DESIGN-BUILD AGREEMENT

Cariboo Memorial Hospital Redevelopment Project

Interior Health Authority

and

Graham Design Builders LP

Dated: January 30, 2023

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DESIGN-BUILD AGREEMENT

THIS AGREEMENT (the "**Agreement**") is made as of January 30, 2023,

BETWEEN:

INTERIOR HEALTH AUTHORITY

(the "**Authority**")

AND:

GRAHAM DESIGN BUILDERS LP, by and through its general partner Graham Design Builders Ltd.

(the "**Design-Builder**")

WHEREAS:

A. The Authority has selected the Design-Builder to perform all Work for the Project referred to as the "Cariboo Memorial Hospital Redevelopment Project", as further described in this Agreement; and

B. The parties wish to enter into this Agreement to set out their respective rights and obligations.

NOW THEREFORE, in consideration of the premises and the mutual obligations contained in this Agreement, the parties agree as follows:

PART A – DEFINITIONS AND INTERPRETATION

SECTION 1
DEFINITIONS AND INTERPRETATION

Whenever used in this Agreement, the following terms have the following meanings:

"**Agreement**" means this agreement, including the documents referred to in Section 1.2;

"**Apprenticeship Policy**" has the meaning set out in Schedule 9 - Apprenticeship Policy;

"**Approved Building Performance Professional** " has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Architect**" means a professional architect registered and in good standing under the *Architects Act* (British Columbia);

"**Authority**" has the meaning set out on the first page of this Agreement;

"**Authority Confidential Information**" means any information of the Authority which is supplied, or to which access is granted, to the Design-Builder (whether before or after the Effective Date), either in writing, or in any other form, directly or indirectly pursuant to, or in connection with, this Agreement and includes the Disclosed Data, the Submittals and all analyses, compilations, studies and other documents whether

prepared by or on behalf of the Authority or the Design-Builder which contain or otherwise reflect or are derived from such information;

"**Authority's Consultant**" means IBI Group Architects (Canada) Inc. unless replaced in accordance with Section 5.5;

"**Authority's Representative**" has the meaning set out in Section 5.1;

"**BC Hydro**" means British Columbia Hydro and Power Authority;

"**Bonds**" has the meaning set out in Section 60.1;

"**Business Day**" means a day other than a Saturday, Sunday or statutory holiday in British Columbia;

"**Carbon Guarantee**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Carbon Emissions**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Carbon Target**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Change**" means a change in the Work, including any addition, deletion, alteration, revision or substitution;

"**Change Directive**" means a written instruction referenced as a "Change Directive" executed by the Authority and directing the Design-Builder to proceed with a Change;

"**Change Order**" means a written document referenced as a "Change Order" executed by the Authority and the Design-Builder and setting out a Change and the value or method of valuation of a Change and any adjustments to the Contract Price and Contract Time;

"**CMH Campus**" means the area so identified on Schedule 10 - Site Plan, which includes the Site, the buildings that comprise the Existing Hospital and the surrounding areas extending to the municipal property lines;

"**Commissioning Authority**" or "**CxA"** has the meaning set out in Section 33.2;

"**Commissioning Plan**" has the meaning set out in Section 33.1;

"**Confidential Information**" means Authority Confidential Information or Design-Builder Confidential Information, as applicable;

"**Construction**" means all things, other than Design, necessary to complete the Work;

"**Contaminants**" means any materials, substances or hazardous wastes, the storage, manufacture, disposal, treatment, generation, use, transport, remediation or release into the environment of which is now or hereafter prohibited, controlled or regulated under *the Environmental Management Act* (British Columbia) and regulations;

"**Contract Price**" means the price set out in Section 2.1;

"**Contract Time**" means the time within which the Design-Builder will achieve Substantial Completion as set out in Section 3.1;

"**COVID-19 Change in Law**" means a change to applicable Laws or Standards which imposes, modifies or removes measures to minimize or mitigate the spread of, and human health effects from, the novel coronavirus COVID-19;

"**COVID-19 Event**" means an event, other than a COVID-19 Change in Law, arising after the Financial Submission Date and caused by the COVID-19 Pandemic;

"**COVID-19 Pandemic**" means the novel coronavirus COVID-19 pandemic declared March 11, 2020 by the World Health Organization until such time as the World Health Organization designates or declares the COVID-19 post-pandemic phase;

"**Credit Provider**" has the meaning set out in Section 12.2;

"**Deni House**" means the building so identified on Schedule 10 - Site Plan;

"**Design**" means the design for the Project;

"**Design-Builder**" has the meaning set out on the first page of this Agreement;

"**Design-Builder Confidential Information**" means any:

(a) proprietary information, trade secrets and know-how relating to the Design Builder's products, equipment, processes or methods which the Design-Builder expressly identifies in writing as confidential at the time of disclosure; and

(b) financial information of the Design-Builder,

that is supplied, or to which access is granted, to the Authority (whether before or after the Effective Date), either in writing, or in any other form, directly or indirectly pursuant to, or in connection with, this Agreement;

"**Design-Builder's Consultant**" means Stantec Architecture Ltd. as the principal Architect and coordinating professional and any other architectural or engineering firm or person, including any Architect or Professional Engineer, engaged by the Design-Builder to prepare the Drawings and Specifications, or to otherwise consult to the Design-Builder on the Project;

"**Design-Builder's Representative**" has the meaning set out in Section 5.2;

"**DEWA**" has the meaning set out in Section 4.2(a);

"**DEWA Lien Holdback**" means 10% of all amounts paid to the Design-Builder under the DEWA;

"**Disclosed Data**" means any information, data and documents (including in PLS-CADD or any other electronic format) made available or issued to the Design-Builder or any Subcontractor or other person on behalf of the Design-Builder or any Subcontractor in connection with the Project by or on behalf of the Authority, including any information relating to the Land or the requirements of any governmental authority, whether before or after the Effective Date;

"**Dispute**" means any disagreement, failure to agree or other dispute between the Authority and the Design-Builder arising out of or in connection with this Agreement, including in respect of the interpretation, breach, performance, validity or termination of this Agreement, whether in the law of contract or any other area of law;

"**Drawings**" means all drawings for the Project that are prepared by or for the Design-Builder and submitted to the Authority under the Review Procedure and that the Design-Builder is entitled to proceed with under the Review Procedure;

"**Effective Date**" has the meaning set out on the first page of this Agreement;

"**End Date**" means the date described in Section 4.1;

"**Energy**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Energy Efficiency Program Providers**" has the meaning set out in Section 11.2;

"**Energy Consumption**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Energy Model**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Energy Target**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**EUI**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Environmental Credit**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Environmental Reports**" has the meaning set out in Section 30.1(a);

"**Epidemic**" means an epidemic or pandemic of infectious disease of humans, including one that is either declared by the World Health Organization or a "regional event" as defined in the Public Health Act (British Columbia) for which the Provincial Health Officer gives notice under Section 52 of that act, but excluding the COVID-19 Pandemic;

"**Epidemic Change in Law**" means a change to applicable Laws or Standards which in respect of an Epidemic imposes, modifies or removes measures to minimize or mitigate the spread of, and human health effects from, relevant infectious disease;

"**Epidemic Event**" means an event, other than an Epidemic Change in Law, arising after the Financial Submission Date and caused by an Epidemic;

"**Existing Hospital**" means the existing buildings, including the main hospital building, the Deni House and the Nurses' Residence, and related existing structures, utility connections, landscaping and other improvements located on the CMH Campus;

"**Facility**" means the buildings, related structures, utility connections, landscaping and other improvements to be constructed by the Design-Builder pursuant to this Agreement;

"**Financial Submission Date**" means November 24th, 2022;

"**FIPPA**" means the *Freedom of Information and Protection of Privacy Act* (British Columbia);

"**Force Majeure**" means COVID-19 Events, Epidemic Events, labour disputes, strikes, lock-outs, fire, unusual delay by common carriers or unavoidable casualties or, without limiting any of the foregoing, a cause beyond the Design-Builder's reasonable control, but excludes:

(a) any event that is the result of breach of this Agreement or Law;

(b) economic hardship or lack of financing;

(c) equipment failure;

(d) unavailability of personnel, labour or Subcontractors, unless and to the extent caused by a COVID-19 Event or an Epidemic Event;

(e) unavailability of materials, unless and to the extent caused by a COVID-19 Event or an Epidemic Event;

(f) labour disputes, strikes or lock-outs of the personnel of the Design-Builder or the Subcontractors;

(g) delays resulting from adverse weather conditions; and

(h) unsuitable or unanticipated Site conditions, including subsurface conditions;

"**GST**" means the goods and services tax imposed pursuant to Section IX of the *Excise Tax Act* (Canada);

"**Health and Safety Plan**" has the meaning set out in Section 31.5;

"**Indemnified Parties**" has the meaning set out in Section 58.1;

"**Independent Certifier**" has the meaning set out in Section 5.6;

"**Independent Energy Consultant**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Insurance Conditions**" means the terms and conditions set out in Schedule 3 - Insurance Conditions;

"**Key Individuals**" means the persons identified in Schedule 5 - Key Individuals;

"**Land**" means the lands legally described as Lot A, District Lot 588, Cariboo District Plan EPP14319;

"**Laws**" means the common law and any and all laws, statutes, enactments, by-laws, regulations, rules, orders, directives, policies, permits, licences, codes and rulings of any government, and any ministries, agencies, board, commission or tribunal of any government;

"**LD Holdback**" has the meaning set out in Section 43.1;

"**LEED Certifier**" means Green Business Certification Inc. or other organization authorized by Green Business Certification Inc. to administer and award LEED Gold Certification;

"**LEED Gold Certification**" means the award of a LEED Gold certification from the LEED Certifier under the LEED Rating System;

"**LEED Rating System**" means LEED v4 for Building Design and Construction (BD + C); Healthcare;

"**Lien Holdback**" means the 10% holdback required under the *Builders Lien Act* (British Columbia), and includes the DEWA Lien Holdback;

"**Megawatt hour**" or "**MWh**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Nurses' Residence**" means the building so identified on Schedule 10 - Site Plan;

"**Other Contractor**" means any person employed by or having a separate contract directly or indirectly with the Authority for work related to the Project, other than the Work;

"**Performance Holdbacks**" has the meaning set out in Section 43.1;

"**Phase 2 Renovations**" means certain renovations and related work the Authority intends to perform at the Existing Hospital pursuant to one or more separate contracts after the Work has been completed;

"**Professional Engineer**" means a professional engineer registered and in good standing under the *Engineers and Geoscientists Act* (British Columbia);

"**Project**" means the design, construction, testing and commissioning of the Facility and all other works in accordance with this Agreement, but does not include the Phase 2 Renovations;

"**Project Binder**" has the meaning set out in Section 45.1;

"**Project Credits**" means any incentive, income, credit, rebate, right, benefit or advantage provided by a governmental authority or industry group relating to energy, design, materials or environmental matters, including means of production of energy, input sources, use of products or materials, efficiencies, type and level of emissions, and compliance with any energy or environmental laws, regulations, rules or orders;

"**Project Management Plan**" means the management plan that:

(a) sets out a high level workplan to describe the manner in which the Design-Builder will manage the Project, including to address related matters such as limiting Construction to certain Work Areas, traffic management and communications; and

(b) is prepared by or for the Design-Builder and submitted to the Authority;

"**Proposal Extracts**" means Schedule 7 - Proposal Extracts;

"**PST**" means the tax under the *Provincial Sales Tax Act* (British Columbia) and any regulation thereunder, including any transition provisions;

"**Quality Management Plan**" means the plan for quality management including quality control and quality assurance with respect to the Work, a draft of which is included in the Proposal Extracts, together with such changes to the plan that are prepared by the Design-Builder and submitted to the Authority under the Review Procedure and that the Design-Builder is entitled to proceed with under the Review Procedure;

"**Record Drawings**" means the as-built Drawings and Specifications that record the completed Facility;

"**Renewable Energy**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Review Procedure**" means Schedule 2 - Review Procedure;

"**Schedule of Values**" means the schedule to be provided by the Design-Builder pursuant to Section 40.4 and reviewed by the Authority under the Review Procedure that allocates the Contract Price set out in

Schedule 6 - Schedule of Prices over the course of the Project and that is the basis for monthly payments by the Authority for Work properly performed pursuant to this Agreement;

"**Site**" means the place where the Construction is to be performed on the Land as indicated in Appendix 1G [Site Services] to the Statement of Requirements, together with, as indicated from time to time, other such areas that the Design-Builder may be permitted to access for purposes of Construction in accordance with a Work Plan pursuant to Section 25.2;

"**Site Occupation Date**" means the date that is the third Business Day after the Effective Date unless otherwise agreed by the Authority and the Design-Builder;

"**Site Plan**" means the attachment in Schedule 10 - Site Plan to this Agreement;

"**Site Report**" means the geotechnical report dated April 26, 2020 entitled "Re: Geotechnical Investigation Report: Cariboo Memorial Hospital Redevelopment 517 6th Avenue North, Williams Lake, B.C.";

"**Specifications**" means all construction and other specifications for the Project prepared by or for the Design-Builder and submitted to the Authority under the Review Procedure and that the Design-Builder is entitled to proceed with under the Review Procedure;

"**Standards**" means any and all Laws, professional standards and specifications applicable to the Work, or to work such as the Project, as they are in force from time to time in the latest current version thereof;

"**Statement of Requirements**" means Schedule 1 – Statement of Requirements;

"**Subcontract**" means a contract with a Subcontractor;

"**Subcontractor**" means a person or entity, including the Design-Builder's Consultant, having a contract with the Design-Builder or with a subcontractor of any tier to perform a part or parts of the Work or to supply products or materials for the Work;

"**Submittal**" means any and all items, documents and anything else required or specified by this Agreement (including by Section 17) and any and all subsequent revisions, amendments and changes thereto, in respect of the Design and the Construction to be submitted to, reviewed, accepted or otherwise processed or considered by the Authority;

"**Submittal Schedule**" has the meaning set out in Schedule 2 - Review Procedure;

"**Substantial Completion**" has the meaning set out in Section 44.2;

"**Substantial Completion Certificate**" means the certificate issued to the Design-Builder by the Independent Certifier upon the achievement of Substantial Completion, as described in this Agreement;

"**Substantial Completion Date**" means the date that Substantial Completion has been achieved by the Design-Builder, as set out in the Substantial Completion Certificate;

"**Target Substantial Completion Date**" has the meaning set out in Section 3.1;

"**Term**" means the period commencing on the Effective Date and ending on the End Date;

"**Time Schedule**" means the general schedule for timing of the Work as set out in the Proposal Extracts and as updated pursuant to Section 7;

"**Total Completion**" has the meaning set out in Section 44.14;

"**Total Completion Certificate**" means the certificate issued to the Design-Builder by the Independent Certifier upon the achievement of Total Completion;

"**Total Completion Date**" means the date that Total Completion has been achieved, as set out in the Total Completion Certificate;

"**User Consultation Group**" has the meaning set out in Schedule 2 - Review Procedure;

"**Warranty Holdback**" has the meaning set out in Section 43.1;

"**Warranty Period**" means the period defined in Section 38.1 during which the Design-Builder is required to repair any deficiencies or defects that arise in the Work;

"**Weather Data**" has the meaning set out in Section 1.1 of Schedule 8 - Energy and Carbon Guarantee;

"**Work**" means everything to be undertaken by the Design-Builder under this Agreement;

"**Work Areas**" means the specific areas so identified in Statement of Requirements;

"**Work Plan**" has the meaning set out in Section 25.2; and

"**Workers' Compensation Board**" or "**WorkSafe BC**" means the board constituted pursuant to the *Workers Compensation Act* (British Columbia).

1.2 This Agreement includes the following schedules and all sub-schedules, appendices and attachments to those schedules:

(a) Schedule 1 – Statement of Requirements;

(b) Schedule 2 - Review Procedure;

(c) Schedule 3 - Insurance Conditions;

(d) Schedule 4 - Communication Roles;

(e) Schedule 5 - Key Individuals;

(f) Schedule 6 - Schedule of Prices;

(g) Schedule 7 - Proposal Extracts;

(h) Schedule 8 - Energy and Carbon Guarantee;

(i) Schedule 9 - Apprenticeship Policy;

(j) Schedule 10 - Site Plan; and

(k) Schedule 11 - Independent Certifier Agreement.

1.3 This Agreement will be interpreted according to the following provisions, except to the extent the context or the express provisions of this Agreement otherwise require:

(a) no rule of law will apply that would construe this Agreement or any part of it against the party who (or whose counsel) drafted, prepared or put forward the Agreement or any part of it;

(b) the table of contents, headings and sub-headings, marginal notes and references to them in this Agreement are for convenience of reference only, do not constitute a part of this Agreement and will not be taken into consideration in the interpretation or construction of, or affect the meaning of, this Agreement;

(c) neither the organization of the Statement of Requirements, the Proposal Extracts or any other documents included in this Agreement into divisions, sections and parts, or the arrangement of drawings or specifications included in this Agreement will control the Design-Builder in dividing the Work among Subcontractors or in establishing the Work to be performed by a trade;

(d) each reference to a Section or Schedule is a reference to a Section of or Schedule to this Agreement;

(e) a Schedule includes all of the sub-schedules, appendices and other attachments attached to that Schedule;

(f) each reference to an agreement, document, standard, principle or other instrument includes (subject to all relevant approvals and any other provisions of this Agreement expressly concerning such agreement, document, standard, principle or other instrument) a reference to that agreement, document, standard, principle or instrument as amended, supplemented, substituted, novated or assigned;

(g) each reference to a statute or statutory provision (including any subordinate legislation) includes any statute or statutory provision which amends, extends, consolidates or replaces the statute or statutory provision or which has been amended, extended, consolidated or replaced by the statute or statutory provision and includes any orders, regulations, by-laws, ordinances, orders, codes of practice, instruments or other subordinate legislation made under the relevant statute;

(h) each reference to time of day is a reference to Pacific Standard Time or Pacific Daylight Saving Time, as the case may be;

(i) words importing the singular include the plural and vice versa;

(j) words importing a particular gender include all genders;

(k) each reference to a public organization is deemed to include a reference to any successor(s) to such public organization or any organization or entity or organizations or entities which has or have taken over the functions or responsibilities of such public organization;

(l) unless the context otherwise requires, each reference to "**parties**" means the parties to this Agreement and each reference to a "**party**" means any one of the parties to this Agreement, provided however that a reference to a third party does not mean a party to this Agreement;

(m) all monetary amounts are expressed in Canadian Dollars;

(n) whenever this Agreement obliges a party (the "**Payor**") to pay any amount to the other party (the "**Payee**") in respect of any costs, expenses, fees, charges, liabilities, losses, claims or other sums incurred by the Payee:

(i) such obligation will be construed as applying only to so much of such sums as have been properly incurred on an arm's length commercial basis or, where not incurred on an arm's length commercial basis (including when the payment is made to an affiliate of the Payee), so much of them as are proper and reasonable; and

(ii) the Payee will, when requested by the Payor, provide supporting evidence of such costs, expenses, fees, charges, liabilities, losses, claims or other sums;

(o) the Authority will not be imputed with knowledge of any fact, matter or thing unless that fact, matter or thing is within the actual knowledge of any of those of its employees or agents (including the Authority's Representative) who have responsibilities in connection with the conduct of the Work;

(p) without limiting the extent of its actual knowledge, the Design-Builder will for all purposes of this Agreement be deemed to have such knowledge in respect of the Work as is held (or ought reasonably to be held) by all persons involved in carrying out the Work including the Design-Builder and the Subcontractors (including the Design-Builder's Consultant) and the officers, agents, employees or workers of any of them;

(q) each requirement for a thing or action to be "in accordance with" or "in compliance with" any standard, code or specification or other requirement or stipulation means that such thing or action is to exceed or at least equal that standard, code, specification or other requirement or stipulation;

(r) the words "include", "includes" and "including" are to be construed as meaning "include without limitation", "includes without limitation" and "including without limitation", respectively;

(s) the terms "will", "shall" and "must" are synonymous;

(t) the Statement of Requirements includes provisions written in the imperative, and all such provisions will be construed as obligations of the Design-Builder;

(u) when a party has "discretion", it means that party has the sole, absolute and unfettered discretion, with no requirement to act reasonably or provide reasons unless specifically required under the provisions of this Agreement;

(v) any consent contemplated to be given under this Agreement must be in writing;

(w) general words are not given a restrictive meaning:

(i) if they are introduced by the word "other", by reason of the fact that they are preceded by words indicating a particular class of act, matter or thing; or

(ii) by reason of the fact that they are followed by particular examples intended to be embraced by those general words;

(x) words or abbreviations which have well-known technical or trade meanings are used in accordance with those meanings;

(y) the expression "all reasonable efforts" and expressions of like import, when used in connection with an obligation of either of the parties, means taking in good faith and with due diligence all commercially reasonable steps to achieve the objective and to perform the obligation, including doing all that can reasonably be done in the circumstances taking into account each party's obligations hereunder to mitigate delays and additional costs to the other party, and in any event taking no less steps and efforts than those that would be taken by a commercially reasonable and prudent person in comparable circumstances but where the whole of the benefit of the obligation and where all the results of taking such steps and efforts accrued solely to that person's own benefit, provided that the foregoing will not require the Authority to:

(i) take any action which is contrary to the public interest, as determined by the Authority in its discretion; or

(ii) undertake any mitigation measure that might be available arising out of its status as a public body that would not normally be available to a private commercial party;

(z) the expressions "by the Design-Builder" and "by or through the Design-Builder" and expressions of like import are synonymous and mean by the Design-Builder or by anyone employed by or through the Design-Builder, including the Design-Builder and all Subcontractors and their respective officers, agents, employees and workers;

(aa) all accounting and financial terms used herein are, unless otherwise indicated, to be interpreted and applied in accordance with GAAP, consistently applied;

(bb) if the time for doing an act falls or expires on a day that is not a Business Day, the time for doing such act will be extended to the next Business Day;

(cc) each provision of this Agreement will be valid and enforceable to the fullest extent permitted by law. If any provision of this Agreement is held to be invalid, unenforceable or illegal to any extent, such provision may be severed and such invalidity, unenforceability or illegality will not prejudice or affect the validity, enforceability and legality of the remaining provisions of this Agreement. If any such provision of this Agreement is held to be invalid, unenforceable or illegal, the parties will promptly endeavour in good faith to negotiate new provisions to eliminate such invalidity, unenforceability or illegality and to restore this Agreement as nearly as possible to its original intent and effect;

(dd) each release, waiver of liability and indemnity in this Agreement expressed to be given in favour of a person is and will be interpreted as having been given in favour of and may be enforced by that person and, in the case of the Authority, by the Indemnified Parties; and

(ee) where the Agreement, including the Statement of Requirements, requires the Authority's approval or consent, it means approval or consent in writing.

1.4 All documents forming this Agreement are complementary, and what is required by any one will be as binding as if required by all.

1.5 If there is a conflict within the documents forming this Agreement:

(a) the provisions establishing the higher quality, manner or method of performing the Work, using the more stringent standards, will prevail, with the intent that the provisions which produce the higher quality with the higher levels of safety, reliability, durability, performance and service will prevail;

(b) the order of priority of documents from highest to lowest will be:

(i) the part of this Agreement from the first page to the page with the signatures of the persons executing this Agreement;

(ii) the schedules, except Schedule 7 - Proposal Extracts, in the order in which they are listed in Section 1.2;

(iii) the schedules' appendices, sub-schedules and attachments; and

(iv) Schedule 7 - Proposal Extracts;

(c) specifications will govern over drawings;

(d) drawings of a larger scale will govern over those of a smaller scale of the same date;

(e) dimensions shown in drawings will govern over dimensions scaled from drawings; and

(f) later dated documents will govern over earlier dated documents of the same type.

PART B – PRICE, TIME AND TERM

SECTION 2
CONTRACT PRICE

2.1 The Authority will pay the Contract Price of $245,802,655 plus applicable GST to the Design-Builder for performance of the Work. The Contract Price includes $8,289,066 plus applicable GST that was payable under the DEWA (as defined in Section 4.2(a)) and has been paid. The remaining balance of the Contract Price as of the Effective Date is $237,513,589 plus applicable GST. No further amount is payable under the DEWA.

2.2 The Contract Price is the entire compensation to the Design-Builder for performance of the Work.

2.3 The Contract Price is subject to adjustments as provided in this Agreement.

2.4 The Authority will pay the Contract Price to the Design-Builder as provided in this Agreement.

SECTION 3
CONTRACT TIME

3.1 The Design-Builder will commence the Work within 7 days after the Effective Date and will thereafter diligently perform the Work in accordance with this Agreement and achieve Substantial

Completion on or before June 29th, 2026 (the "**Target Substantial Completion Date**") and Total Completion on or before the date that is not more than 60 days after Substantial Completion.

3.2 The Design-Builder will perform the Work in compliance with the Time Schedule, as may be modified in accordance with the terms of this Agreement.

3.3 Subject to Section 3.4, if the Design-Builder fails to achieve Substantial Completion on or before the Target Substantial Completion Date and the Authority has not extended the Target Substantial Completion Date in the Time Schedule in accordance with this Agreement, the Design-Builder will pay to the Authority by way of liquidated damages and not as a penalty the sum of per day for each and every day after the Target Substantial Completion Date that Substantial Completion is not achieved (or if the Authority has extended the Target Substantial Completion Date in the Time Schedule in accordance with this Agreement, such other date established for the Target Substantial Completion Date). The maximum aggregate amount of such liquidated damages will be of the Contract Price. If this Agreement is terminated, the reference in this Section 3.3 to the "Contract Price" will be deemed only for purposes of this Section 3.3 to be the amount to which the Design-Builder would have been entitled if the Design-Builder had properly performed and completed the Work and this Agreement had not been terminated. The liquidated damages will be the Authority's sole claim for damages against the Design-Builder for failure to achieve Substantial Completion by the Target Substantial Completion Date. The liquidated damages will not relieve the Design-Builder from its obligation to complete the Work or from any other duties, obligations or responsibilities of the Design-Builder under this Agreement, and will not limit the Authority's rights to terminate this Agreement for default of the Design-Builder under this Agreement.

3.4 If the Design-Builder provides a notice to the Authority at least 12 months prior to the then current Target Substantial Completion Date that it will not achieve the Target Substantial Completion Date, the Authority will extend such date in the Time Schedule and the above Section 3.3 liquidated damages will only be applicable to the revised Target Substantial Completion Date as was provided by the Design-Builder in such notice. Within such notice, the Design-Builder may only extend the current Target Substantial Completion Date by a maximum of 90 days. The Design-Builder may only provide the notice contemplated by this Section 3.4 once.

3.5 The Authority and the Design-Builder agree that the amounts in Section 3.3 represents a genuine pre-estimate of the damages and expenses that the Authority is likely to incur for such failure to meet the Target Substantial Completion Date for the Work and both parties expressly agree that such amount is not a penalty. The Authority may, in its discretion, either deduct the daily sums in respect of liquidated damages from the Performance Holdbacks or any amounts payable to the Design-Builder under this Agreement or may require payment thereof by the Design-Builder on demand.

SECTION 4
TERM

4.1 With the exception of provisions that are expressly stated to survive the expiry of the Term, this Agreement is effective for the period commencing on the Effective Date and ending on the date (the "**End Date**") that:

(a) this Agreement is terminated in accordance with its terms; or

(b) all of the following conditions are fulfilled:

(i) the Design-Builder and the Authority have performed all obligations required under this Agreement;

(ii) the Total Completion Certificate has been issued in accordance with Section 44.15; and

(iii) the Design-Builder has fulfilled all of its obligations pursuant to Section 38.

4.2 The Authority and the Design-Builder acknowledge and agree that:

(a) the Authority and the Design-Builder entered into an agreement titled "**Design Early Works Agreement**" dated as of April 1st, 2021 (the "**DEWA**") and that the DEWA was terminated effective as of the Effective Date; and

(b) all Design Early Works (as defined in the DEWA) undertaken under the DEWA in advance of the Effective Date are deemed to have been undertaken by the Design-Builder pursuant to this Agreement (except for the provision of insurance under the DEWA) and the Design-Builder accepts and assumes full risk, responsibility and liability for the Design Early Works.

SECTION 5
REPRESENTATIVES, AUTHORITY'S CONSULTANT, INDEPENDENT CERTIFIER AND KEY INDIVIDUALS

REPRESENTATIVES:

5.1 Within 7 days after the Effective Date, the Authority will give written notice to the Design-Builder designating its representative for the purposes of this Agreement, such notice shall include the email address, telephone number, address and any additional contact information required for such representative (the "**Authority's Representative**"). The Authority will give written notice to the Design-Builder of any change of the Authority's Representative. The Authority or the Authority Representative may by written notice delegate any or all of the functions of the Authority's Representative to any other person, including for a specified period of time in the absence of the Authority's Representative.

5.2 The representative of the Design-Builder for the purposes of this Agreement (the "**Design-Builder's Representative**") will be the person designated as such in Schedule 5 - Key Individuals, unless otherwise agreed by the Authority. The Design-Builder's Representative may by written notice delegate any or all of the functions of the Design-Builder's Representative to any other person, including for a specified period of time in the absence of the Design-Builder's Representative. The email address, telephone number, address and any additional contact information required for the Design-Builder's Representative or any person appointed to perform any or all tasks of the Design-Builder's Representative must be provided to the Authority at the Effective Date or at the time of such delegation of responsibilities as noted in this Section 5.2 occurs.

5.3 The Design-Builder's Representative will represent the Design-Builder at the Site and written instructions given to the Design-Builder's Representative by the Authority will be deemed to have been given to the Design-Builder.

AUTHORITY'S CONSULTANT:

5.4 The Authority will engage the Authority's Consultant or other advisors to provide, without limitation, the following services, duties and responsibilities:

(a) interpreting, in the first instance, of the requirements of this Agreement and the making of findings as to the performance hereunder by both the Authority and the Design-Builder without showing partiality to either the Authority or the Design-Builder, and in no event incurring liability for the result of such interpretations or findings rendered in good faith in such capacity;

(b) interpreting and finding, in the first instance, of Disputes;

(c) assisting the Authority with advisory team services, including assisting with review of the Design;

(d) rejecting Work which does not conform to the requirements of this Agreement;

(e) overseeing testing and inspection of the Construction by the Authority's Consultant, whether or not such Construction has been fabricated, installed, or completed;

(f) reviewing any defects or deficiencies in the Work at Substantial Completion and during the Warranty Period and the issuance of appropriate instructions for the correction of same;

(g) reviewing and supporting the Authority on Changes and reports and other documentation submitted by the Design-Builder's Representative; and

(h) such other work that may be required by the Authority from time to time and that is acceptable to the Authority's Consultant.

5.5 If the Authority's Consultant's engagement is terminated, the Authority will engage a new Authority's Consultant to provide the Authority's Consultant's services. The Authority will notify the Design-Builder in writing before appointing a new Authority's Consultant and the Authority will not appoint any person to be the new Authority's Consultant to whom the Design-Builder may reasonably object.

INDEPENDENT CERTIFIER:

5.6 The parties will cooperate to jointly appoint a Person (the "**Independent Certifier**"), who is:

(a) qualified and experienced with respect to the design and construction of projects in British Columbia similar to the Project; and

(b) independent from both the Authority and the Design-Builder (and who will be impartial to the parties),

to provide certification services for the benefit of the parties. The parties will enter into an agreement with the Independent Certifier on the terms generally as set out in Schedule 11 - Independent Certifier Agreement.

5.7 If within 20 Business Days of the Effective Date the Independent Certifier has not been appointed, or if for any reason during the Construction the Independent Certifier is unable or unwilling to

continue to perform the Independent Certifier services or if the Independent Certifier's appointment has been terminated by the Authority and the Design-Builder, then:

(a) within 5 Business Days of the date that is 20 Business Days after the Effective Date (or within 5 Business Days of the date of termination of the Independent Certifier's appointment, if applicable), the Design-Builder will provide the names of 3 candidates acceptable to the Design-Builder for consideration by the Authority;

(b) within 10 Business Days of receiving the candidate names, the Authority will notify the Design-Builder of the candidates acceptable to the Authority, and the parties will cooperate to enter into a contract with an acceptable candidate generally in the form set out in Schedule 11 - Independent Certifier Agreement; and

(c) if none of the candidates are acceptable to the Authority, acting reasonably, or if for any reason an Independent Certifier is not appointed within 40 Business Days of the Effective Date (or within 20 Business Days of the date of termination of the Independent Certifier's appointment, if applicable), then either party may immediately apply to the British Columbia International Commercial Arbitration Centre for the selection of an Independent Certifier, providing the other party the opportunity to participate in the selection and appointment process.

5.8 The parties will require the Independent Certifier to:

(a) consult with the Authority, the Design-Builder and others involved in the Design;

(b) conduct monthly inspections of the Construction; and

(c) raise any quality concerns and investigate those identified by Design-Builder and/or the Authority,

as the Independent Certifier determines is required for purposes of the Independent Certifier's functions under this Agreement and, no later than the 10th day of each month, prepare and deliver to the Authority and Design-Builder a monthly written report containing a description of:

(d) the Work completed in the previous month; and

(e) the progress of the Work relative to the Time Schedule, with an overview analysis of variances and investigations of quality concerns.

5.9 The Independent Certifier will:

(a) determine amounts owing to the Design-Builder based on the Independent Certifier's observations and evaluations of the Design-Builder's applications for payment;

(b) issue certificates of payment;

(c) determine the dates of Substantial Completion and Total Completion and the issuing of certificates for same;

(d) for purposes of the Builders Lien Act (British Columbia), determining the date of substantial performance and acting as payment certifier for this Agreement and for progressive release of portions of the Lien Holdbacks in respect of Subcontracts;

(e) determine the holdback for any defects or deficiencies in the Work at Substantial Completion;

(f) verify the Design-Builder's applications for release of the Performance Holdbacks;

(g) assess the scope of any holdbacks to be made at any time; and

(h) perform such other functions as are set out in this Agreement.

For greater certainty, the Independent Certifier will adjust the amount of any payment to the Design-Builder to reflect the Independent Certifier's estimate of Work satisfactorily performed as of the date of the application for payment, and will not certify for payment of any Work not carried out in compliance with the reviewed Drawings and Specifications.

5.10 The Design-Builder will give the Independent Certifier access to the Design and Construction work as the Independent Certifier reasonably requests in order to be fully informed as to the progress of the Design and Construction including:

(a) access to drawings, specifications, schedules, records, and other documents or data relating to the Design and Construction, including such information that is being produced by or in the possession of the Design-Builder or others; and

(b) access to the Site,

and the Design-Builder will:

(c) permit the Independent Certifier to attend all Design and Construction meetings except to the extent the Design-Builder and the Authority expressly otherwise agree; and

(d) keep the Independent Certifier fully informed as to the progress of the Construction, including giving notice of any part of the Work before it becomes covered up and unavailable for inspection.

5.11 Nothing in this Agreement or in the parties' agreement with the Independent Certifier will be interpreted as giving the Independent Certifier any responsibility or authority for any aspect of the Design or the Construction, or as relieving the Design-Builder of its responsibility for the Design and Construction as set out in this Agreement, and neither the Design-Builder nor any Subcontractor will be entitled to rely on any review, acceptance, approval or confirmation that the Independent Certifier may give with respect to Design or Construction.

KEY INDIVIDUALS:

5.12 Attached as Schedule 5 - Key Individuals is a list of Key Individuals that the Design-Builder will utilize in undertaking the Design and Construction as described in that Schedule. Unless agreed by the Authority, no individual will hold more than one position set out in Schedule 5 - Key Individuals.

5.13 With respect to each of the Key Individuals:

(a) The Design-Builder will use all reasonable efforts to retain the Key Individuals to perform the duties described in Schedule 5 - Key Individuals; and

(b) if for any reason a Key Individual resigns or is otherwise unavailable to perform the duties described in Schedule 5 - Key Individuals then the Design-Builder will use all reasonable efforts to retain a replacement with similar expertise and experience to the unavailable Key Individual satisfactory to the Authority acting reasonably, and the Design-Builder will not replace such Key Individual without the Authority's consent, acting reasonably.

5.14 Within 10 days of the Design-Builder having knowledge that a Key Individual is or will be unavailable, the Design-Builder will:

(a) notify the Authority; and

(b) immediately commence the process to retain a replacement prior to the unavailability of such Key Individual or promptly thereafter and will replace the Key Individual no later than 20 Business Days after the unavailability of such Key Individual.

5.15 If either the Authority or the Design-Builder reasonably considers that a replacement cannot reasonably be retained within such 20 Business Days, the Design-Builder will deliver to the Authority a reasonable program (set out, if appropriate, in stages) for retaining the replacement. The program will specify in reasonable detail the manner in, and the latest date, by which the replacement will be retained.

5.16 The Authority will have 10 Business Days from receipt of the program within which to notify the Design-Builder that the Authority, acting reasonably, does not accept the program, failing which the Authority will be deemed to have accepted the program. If the Authority notifies the Design-Builder that it does not accept the program as being reasonable, the parties will use all reasonable efforts within the following five Business Days to agree to any necessary amendments to the program put forward. In the absence of an agreement within such five Business Days, the question of whether the program (as it may have been amended by agreement) will result in the retainer of a replacement in a reasonable manner and within a reasonable time period (and, if not, what would be a reasonable program) may be referred by either party for resolution in accordance with Section 63.

5.17 The Design-Builder acknowledges that if any of the Key Individuals are not available and are not replaced as required by this Agreement, the Authority will not be obtaining the Design and Construction at the quality and level assumed to be included in the payments to be made to the Design-Builder hereunder and that in addition the Authority may incur costs and expenses.

5.18 If either (i) the position of any Key Individual remains unfilled for more than 20 Business Days after the applicable individual Key Individual ceased to hold the position or ceased to perform the functions of that position, or (ii) the Authority has accepted a program under Section 5.16 and the Design-Builder at any time fails to comply with any part of the program:

(a) the Design-Builder will pay the Authority's reasonable internal administrative and personnel costs and all reasonable out-of-pocket costs related to any measures the Authority considers are reasonably incurred in relation to the position being unfilled, including the costs to ensure that Design-Builder meets its requirements for Design and

Construction and for the Authority to review and consider any replacement under this Section 5; and

(b) the Authority at its election may deem the position of the Key Individual to be a Change (other than the requirements to comply with this Section 5) and for the period of time that the Key Individual position has remained unfilled the Authority will be credited with the amount of the cost (wages, benefits, fees and other costs) that would have been incurred by the Design-Builder and Subcontractors in respect of the Key Individual plus a markup as set out in Section 49.2(b).

PART C – THE WORK

SECTION 6
GENERAL

6.1 The Design-Builder will perform the Work in accordance with the requirements of this Agreement, including Schedule 1 – Statement of Requirements.

6.2 The Design-Builder will perform and provide all professional design services, construction administration and construction work and all labour, services, products, materials, tools, water, heat, light, power, transportation, equipment, machinery and other facilities and services and everything else necessary for the performance of the Work.

6.3 The Work does not include the Phase 2 Renovations, which the Authority intends to perform pursuant to one or more separate contracts at a later date. The Design-Builder will perform the Work to accommodate the Phase 2 Renovations to the extent such accommodation is required by this Agreement, including Schedule 1 – Statement of Requirements.

SECTION 7
TIME SCHEDULE

7.1 The Design-Builder will submit for review by the Authority, by no later than 14 days after the Effective Date and, in any event, before the Authority is required to make the first payment, a Time Schedule consistent with the form of Time Schedule included in the Proposal Extracts.

7.2 The Design-Builder will ensure that the Time Schedule will be consistent with and meet the Target Substantial Completion Date and the date required for Total Completion and all other applicable requirements of this Agreement including Schedule 1 - Statement of Requirements.

7.3 The Design-Builder will submit for review by the Authority an updated Time Schedule at intervals of 1 month, reflecting progress to date and including a comparison to the previously submitted Time Schedule, the reasons for any changes from the previous Time Schedule and a forecast to achieving Substantial Completion and Total Completion.

7.4 If at any time the actual progress of the Work does not materially conform with the Time Schedule, the Design-Builder will:

(a) submit to the Authority a report identifying the reasons for such non-conformity; and

(b) submit to the Authority a revised Time Schedule that meets all applicable requirements of this Agreement and provides for the Work to be pursued diligently to Substantial Completion and Total Completion.

SECTION 8
CONTROL AND SUPERVISION OF THE WORK

8.1 The Design-Builder will effectively direct and supervise the Work using its best skill and attention. The Design-Builder will be solely liable and responsible for:

(a) all design and all construction means, methods, techniques, sequences and procedures with respect to the Work; and

(b) coordinating all parts of the Work under this Agreement and for coordinating the Work with work of Subcontractors and, in accordance with Section 22.2, with work of Other Contractors,

in accordance with generally accepted management and supervisory practices in British Columbia.

8.2 The Design-Builder will have the sole responsibility for the design, erection, operation, maintenance and removal of temporary structures and other temporary facilities and the design and execution of construction methods required in their use. The Design-Builder will engage and pay for Professional Engineers and Architects to perform these functions where required by Law, and in all cases where such temporary facilities and their method of construction are of such a nature that the education, training and qualifications of the Architect or Professional Engineer are required to produce safe and satisfactory results.

8.3 The Design-Builder will execute the Work in a continuous and diligent manner, and perform all its obligations in conformance with this Agreement, including the Project Management Plan and the Time Schedule.

8.4 Unless otherwise stated in this Agreement, the Design-Builder will perform the Work at the times, in the order of procedure and in the manner and method that the Design-Builder considers appropriate provided such Work is in conformance with this Agreement, including the Project Management Plan, Phasing Plan, Work Plan, Site Plan and the Time Schedule.

8.5 The Design-Builder will employ a competent construction manager, and necessary assistants, at the Site at all times during the progress of the Work.

8.6 The Design-Builder will employ or cause the Subcontractors to employ a sufficient number of sufficiently skilled workers to perform the Construction in compliance with this Agreement.

8.7 The Design-Builder will at all times maintain good order and discipline among its employees engaged on the Work.

8.8 Before commencing the Work and as a condition of all payments under this Agreement, the Design-Builder will:

(a) purchase and deliver the Bonds as set out in Section 60 to the Authority; and

(b) file with the Authority certificates of all insurance policies and necessary endorsements to comply with the Insurance Conditions.

8.9 The Design-Builder will not perform any Construction on the Site prior to the Site Occupation Date and will not commence any Construction until the Design-Builder has submitted a Design for that portion of the Work to be constructed that is in conformance with this Agreement, submitted to the Authority under the Review Procedure and that the Design-Builder is entitled to proceed with under the Review Procedure.

8.10 If agreed to in writing by the Authority, the Design-Builder may perform necessary limited investigative and preparatory activities on the Site prior to the Site Occupation Date.

8.11 The Design-Builder will comply with the provisions of Schedule 9 - Apprenticeship Policy.

SECTION 9
QUALITY MANAGEMENT

9.1 The Design-Builder is solely responsible for the quality of the Work and will diligently implement its Quality Management Plan.

9.2 The Design-Builder will establish, implement and submit for the review by the Authority, by no later than 30 days after the Effective Date, a Quality Management Plan consistent with the form of Quality Management Plan included in the Proposal Extracts and the requirements of this Section 9. The Design-Builder will perform the Work in accordance with, and meet the requirements of, the Quality Management Plan.

9.3 The Quality Management Plan will:

(a) meet all applicable requirements of this Agreement;

(b) outline the procedures to be implemented to ensure robust and thorough quality control and quality assurance by the Design-Builder and its Subcontractors;

(c) clearly indicate the processes, testing, certification and auditing that will be performed to verify all parts of the Work comply with this Agreement;

(d) clearly indicate the timing of the elements of the Quality Management Plan and the documentation to demonstrate compliance that will be obtained by the Design-Builder and its Subcontractors and provided to the Authority;

(e) include all processes, testing, certification, auditing and documentation reasonably required by the Authority's Consultant; and

(f) ensure that the Work will meet the requirements of this Agreement.

9.4 The Design-Builder will not commence any Construction until:

(a) the quality control and quality assurance procedures applicable to that part of the Work have been developed and included in the Quality Management Plan and the Design-Builder is entitled to proceed with the Quality Management Plan in accordance with the Review Procedure; and

(b) such quality control and quality assurance procedures are fully implemented by the Design-Builder.

9.5 The Authority may at any time audit the Quality Management Plan and its implementation and may, at the Authority's expense, carry out independent quality control testing at any time.

9.6 Nothing in this Section 9 and no review, audit, inspection, acceptance, comment, approval, action or inaction by the Authority, the Authority's Representative, the Authority's Consultant, the Independent Certifier or any person on behalf of the Authority or by or on behalf of any governmental authority will derogate from or relieve the Design-Builder from its obligations under this Agreement including sole responsibility for the quality of the Work, the Quality Management Plan and implementation of the Quality Management Plan.

9.7 The Authority, the Authority's Representative, the Authority's Consultant, Independent Certifier and other persons designated by the Authority will, subject to the terms of this Agreement relating to health and safety, have access to the Work at all times at the Site and wherever the Work is in preparation or progress and the Design-Builder will provide reasonable facilities for such access.

9.8 If any of the Work requires tests, inspections or approvals by this Agreement, or by the written instructions of the Authority, the Authority's Consultant or the Independent Certifier, or by applicable Laws, the Design-Builder will give the Authority reasonable notice of when such Work is ready for review and inspection. The Design-Builder will arrange for and will give the Authority reasonable notice of the date and time of inspections by any governmental authorities.

9.9 The Design-Builder will furnish promptly to the Authority, on request, a copy of certificates and inspection reports relating to the Work.

9.10 If the Design-Builder covers, or permits to be covered, Work that has been designated for tests, inspections or approvals before such tests, inspections or approvals are made, given or completed, the Design-Builder will, if so directed, uncover such Work, have the inspections or tests satisfactorily completed, and make good the covering work at the Design-Builder's expense.

9.11 Subject to Section 9.10, the Authority may order any portion or portions of the Construction to be examined to confirm that such Construction is in accordance with the requirements of this Agreement. If the Construction is not in accordance with the requirements of this Agreement, the Design-Builder will correct the Construction and pay the cost of examination and correction. If the Construction is in accordance with the requirements of this Agreement, the Authority will pay all costs incurred by the Design-Builder as a result of such examination and the restoration of the Construction.

9.12 If the results of any testing or other aspect of the Quality Management Plan or implementation of the Quality Management Plan disclose that any part of the Work is incomplete or defective in any way, the Design-Builder will immediately complete that part of the Work or correct the defect at its own expense.

9.13 If the Independent Certifier, the Authority's Consultant or other representatives of the Authority makes more than one review of any aspect of the Work as a result of such Work being incomplete or defective or reviews more than one test, inspection or approval in respect of any aspect of the Work as a result of such Work being incomplete or defective, the Design-Builder will bear the costs and expenses of the Authority, the Independent Certifier, the Authority's Consultant and other representatives.

9.14 Prior to Total Completion, the Design-Builder will deliver to the Authority all tests and results taken and generated by the implementation of the Quality Management Plan.

9.15 The Design-Builder will permit access to the Site and to the Design and the Construction to persons designated by the Authority including persons representing other governmental authorities.

SECTION 10
LEED GOLD CERTIFICATION

10.1 The Design-Builder will obtain LEED Gold Certification of the Facility in accordance with the following:

(a) The Design-Builder acknowledges that the Authority has registered the Facility with the LEED Certifier for purposes of LEED Gold Certification under the LEED Rating System and for the pilot alternative compliance path for the Optimize Energy Performance credit (Alternative Energy Performance Metric).

(b) The Design-Builder will use the LEED Certifier's split review certification process.

(c) If at any time after the Effective Date the requirements to achieve LEED Gold Certification under the LEED Rating System change and the Design-Builder is required to comply with such change in order to achieve LEED Gold Certification for the Facility, then the Design-Builder will forthwith notify the Authority of such change and such change will be a Change.

(d) If the Statement of Requirements sets out specific prerequisites, points or credits that the Design-Builder must or must not obtain, the Design-Builder will comply with such requirements. The Design-Builder will otherwise achieve all necessary prerequisites, credits and points under the LEED Rating System required to achieve the LEED Gold Certification and, subject to Section 10.1(e), may in its discretion determine which of the credits and points to pursue.

(e) Subject to Section 10.1(e), the Design-Builder will not include any prerequisites, points or credits which require any action by or on behalf of the Authority without the Authority's prior written consent. If the Authority consents to the inclusion of prerequisites, points or credits which require any action by the Authority, the Authority will take reasonable steps, consistent with the nature of the Facility and the Authority's operations and maintenance, to cooperate with the Design-Builder in respect of its achievement of such prerequisites, points and credits; provided however that such cooperation will not require the Authority to obtain such prerequisites, points or credits or to incur any liability, cost or expense.

(i) The Authority acknowledges that the Design-Builder's achievement of LEED Gold Certification for the Facility is subject to the Authority agreeing to implement and maintain the following commitments, programs and policies in the Facility after Substantial Completion, which may be relevant to the Design-Builder obtaining prerequisites, credits or points related to LEED Gold Certification of the Facility:

(A) prepare an Owner’s Project Requirements (OPR) document;

(B) develop a health mission statement and incorporate it in the OPR. The health mission statement will address "triple bottom line" values—

economic, environmental and social and will include goals and strategies to safeguard the health of building occupants, the local community and the global environment, while creating a high-performance healing environment for the building's patients, caregivers and staff;

(C) if not already performed, conduct a phase I Environmental Site Assessment as described in ASTM E1527-05 (or a local equivalent) to determine whether environmental contamination exists at the Site. If contamination is suspected, conduct a Phase II Environmental Site Assessment as described in ASTM E1903-11 (or a local equivalent). If the Site is contaminated and remediation has not already been performed, remediate the Site to meet local, provincial, or national environmental protection agency region residential (unrestricted) standards, whichever are most stringent; and

(D) confirmation that no dental wastes will be produced in the Facility.

(f) If for any reason the Design-Builder fails to obtain LEED Gold Certification for the Facility within 36 months of the Substantial Completion Date then:

(i) the Authority may apply the amount of the LEED Holdback to its own account as liquidated damages; and

(ii) the Design-Builder will have no claim against, nor right to receive, the LEED Holdback even if LEED Gold Certification of the Facility is subsequently achieved.

(g) Upon payment of the LEED Holdback under this Section 10 the Design-Builder will have no further obligations in respect of obtaining LEED Gold Certification, except to provide the Authority with such information and administrative assistance as the Authority may reasonably require in relation to obtaining LEED Gold Certification, and for greater certainty the failure to obtain LEED Gold Certification will not be a default by the Design-Builder under this Agreement.

(h) The Authority and the Design-Builder expressly agree that the amounts payable from the Design-Builder in this Section 10.1 are liquidated damages that represent a genuine pre-estimate of the damages and expenses that the Authority is likely to incur for such failure to achieve LEED Gold Certification and both parties expressly agree that such amounts are not a penalty.

10.2 As a condition of Substantial Completion, the Design-Builder will deliver to the Authority:

(a) a LEED project checklist, generally in accordance with the LEED Certifier's requirements, together with a written confirmation that, in the Design-Builder's judgment, LEED Gold Certification will be achieved for the Facility; and

(b) a written opinion from a LEED accredited professional supporting the confirmation described in Section 10.2(a) above.

SECTION 11
ENERGY AND CARBON

11.1 The parties will comply with the provisions of Schedule 8 - Energy and Carbon Guarantee.

11.2 In addition to the requirements in Section 12, the Design-Builder acknowledges that BC Hydro, CleanBC and FortisBC (collectively, the "**Energy Efficiency Program Providers**") may provide to the Authority a rebate or other Project Credits in respect of energy modelling of the Facility, and the Design-Builder will assist the Authority in obtaining such rebate and any other Project Credits, including:

(a) registering the Facility with all applicable programs of the Energy Efficiency Program Providers;

(b) engaging a consultant acceptable to the Energy Efficiency Program Providers;

(c) submitting the Design and conducting any baseline testing, if necessary;

(d) conducting all energy modelling that may be required by the Energy Efficiency Program Providers or the Authority;

(e) engaging with the Energy Efficiency Program Providers during the development of design to create a BC Hydro energy compliance checklist;

(f) completing the Work in accordance with the energy compliance checklist of the Energy Efficiency Program Providers, as applicable;

(g) facilitating any inspection or review of Construction and construction materials by the Energy Efficiency Program Providers; and

(h) any other steps necessary to obtaining incentives, rebates and other Project Credits of the Energy Efficiency Program Providers, as applicable.

11.3 As a condition of Substantial Completion, the Design-Builder will deliver to the Authority a energy modelling compliance checklist of any of the Energy Efficiency Program Providers, as applicable, together with a written confirmation that:

(a) the Project has been designed and constructed to maximize available rebates and other Project Credits of the Energy Efficiency Program Providers; and

(b) all steps have been performed, including providing all required documentation and information to the Authority and BC Hydro, to obtain rebates and other Project Credits of the Energy Efficiency Program Providers (other than those steps that may only be performed by the Authority).

The Authority acknowledges that incentives, rebates and other Project Credits of the Energy Efficiency Program Providers may be received after Substantial Completion.

11.4 This Section 11 will not limit any requirements of Schedule 8 - Energy and Carbon Guarantee or the Statement of Requirements related to energy modelling.

SECTION 12
PROJECT CREDITS

12.1 The Authority will be entitled to any and all Project Credits related to the Work, the Facility and its operation.

12.2 The Design-Builder will, on behalf of the Authority, apply to Energy Efficiency Program Providers (subject to Section 11), the LEED Certifier, and any other applicable incentive programs ("**Credit Provider**") and take all reasonable steps to obtain for the Authority the maximum benefits (funding, rebates, incentives and cost savings) offered by each Credit Provider under such program(s).

12.3 Without limitation, the Design-Builder will:

(a) meet with Credit Providers at an early stage of the design of the Project;

(b) carry out any required studies and modelling;

(c) collaborate with each Credit Provider to identify potential improvements to the Facility design and methods of performing the Work that may achieve greater Project Credits; and

(d) use all commercially reasonable efforts to maximize available Project Credits through the design and construction of the Facility (to the extent possible while maintaining consistency with the Statement of Requirements).

SECTION 13
PRE-CONSTRUCTION SURVEY

13.1 The Design-Builder will:

(a) prior to the start of any Construction, conduct a pre-Construction survey of existing structures, buildings, roadways, services, infrastructure and adjacent properties, in a form and detail satisfactory to the Authority, acting reasonably, which will without limitation include field observations and photographs of existing conditions, with spot elevations by a British Columbia Land Surveyor (BCLS) registered surveyor at locations that will be accessible throughout and following Construction for ongoing settlement monitoring, and deliver a copy of the pre-Construction survey report to the Authority; and

(b) re-survey the spot elevations at regular intervals throughout Construction and at 6 months following Substantial Completion to determine ongoing long-term settlement effects, and deliver monitoring surveys to the Authority in a form and detail satisfactory to the Authority, acting reasonably.

13.2 The Design-Builder will protect the Work, the Site and property adjacent to the Site from settlement, will be responsible for all settlement caused by the Work by the Design-Builder and the Subcontractors and the Facility from and after the Effective Date and will make good all damage to the Work, the Site and property adjacent to the Site at its own expense or pay all costs incurred by the Authority or others in making good such damage. Nothing in this Section 13.2 limits the responsibility of the Design-Builder to take into account in the Design and Construction possible post-Warranty Period settlement and to take measures to minimize such settlement.

SECTION 14
EQUIPMENT AND FURNISHINGS

14.1 Without limiting the requirements of the Statement of Requirements in respect of equipment and furnishings, the Design-Builder will complete the Design and Construction to integrate and accommodate all equipment and furnishings in the Facility as identified in the Statement of Requirements, including all required electrical, mechanical and plumbing connections, structural support, seismic restraints and space for efficient access, all to the tolerances and specifications as may be specified and required by the manufacturers or vendors of the equipment (which may be of a higher standard than specified in this Agreement). The Design-Builder will include equipment and furnishings identified in the Statement of Requirements as part of the development of Design under this Agreement.

SECTION 15
REVIEW PROCEDURE

15.1 The Review Procedure will apply to all Submittals and the parties will comply with the requirements of that Schedule.

SECTION 16
GENERAL DESIGN REQUIREMENTS

16.1 The Design-Builder is responsible for the means, methods, techniques, sequences and procedures necessary to properly complete the Design in conformance with this Agreement, including the Project Management Plan and the Time Schedule.

16.2 The Design-Builder will:

(a) ensure that the Work, including the Design, is fully compliant with all requirements of this Agreement (including the Statement of Requirements) and all applicable Laws; and

(b) perform and complete the Design and the Work so as to provide the completed Project that is fit for the intended uses as described in the Statement of Requirements.

16.3 The Design-Builder will:

(a) cause all portions and aspects of the Drawings and Specifications to be prepared under the direction of, and to be sealed under the professional seal of, the Design-Builder's Consultant;

(b) cause the Design-Builder's Consultant to confirm to the Authority, under his or her professional seal (if applicable), that in the opinion of the Design-Builder's Consultant:

(i) the Drawings and Specifications implement and otherwise conform to the Statement of Requirements;

(ii) the Drawings and Specifications implement and otherwise conform to the Proposal Extracts;

(iii) the Drawings and Specifications have been prepared in accordance with, and substantially comply with, all Standards; and

(iv) the Design-Builder's Consultant has carried out the general reviews of the progress of the Construction, to the extent necessary, in order to determine to the Design-Builder's Consultant's satisfaction that the Construction is performed in general conformity with the requirements of the Agreement (including the Statement of Requirements), the Drawings and Specifications, Standards and applicable Laws; and

(c) provide the Authority and all applicable governmental authorities with all letters of professional assurance as required pursuant to applicable Laws.

16.4 The Design-Builder will not construct any part of the Work that is not based on the most recent Drawings and Specifications or that does not meet the Statement of Requirements and other requirements of this Agreement. To the extent that the Drawings and Specifications conflict with, modify or deviate from the Statement of Requirements and other requirements of this Agreement, the Design-Builder will revise the Drawings and Specifications and submit them to the Authority under the Review Procedure.

16.5 The Design-Builder will make, or cause the Design-Builder's Consultant to make, any revisions to the Drawings or Specifications as are necessary from time to time due to Changes and, for clarity, the Design-Builder will comply with Section 16.3 with respect to any such revisions.

16.6 Nothing in this Section 16, or otherwise in or under this Agreement, makes the Authority, the Authority's Representative, the Authority's Consultant, the Independent Certifier or any other person on behalf of the Authority responsible for the Design of the Project, including compliance of the Drawings and Specifications with the Statement of Requirements and all Standards, and the Design-Builder will, notwithstanding any review or acceptance under the Review Procedure or this Section 16 or other act of the Authority, the Authority's Representative, the Authority's Consultant, the Independent Certifier or any other person on behalf of the Authority, remain solely liable and responsible for compliance of the Drawings and Specifications with the Statement of Requirements and all Standards.

16.7 Without limiting any of the obligations of the Design-Builder under this Agreement, the duties and responsibilities of the Design-Builder with respect to the Design include:

(a) review of the documents, reports, drawings, Statement of Requirements and other information provided by the Authority and reporting promptly to the Authority any error, inconsistency or omission the Design-Builder may discover;

(b) preparation of a Design that meets the Statement of Requirements, all Standards, all applicable Laws and all terms of this Agreement;

(c) the coordination required to integrate all parts of the Design in the Work;

(d) preparation of all reports, documents, information, schemes and presentation materials as required by this Agreement;

(e) inspecting the progress of the Construction in order to determine that the Work is in compliance with the requirements of the Design, Specifications, all Standards and all terms of this Agreement;

(f) liaising with the Authority and local authorities having jurisdiction as required during the Design and Construction and providing copies of all correspondence with such local authorities to the Authority; and

(g) providing all required assurances to local authorities having jurisdiction respecting conformance of the Design with all Standards and as may be required for the issuance of or compliance with any permits, licenses or approvals.

16.8 The Design-Builder will ensure that the Design-Builder's Consultant and all other Architects, Professional Engineers and other professionals performing professional services related to the Design and engaged directly or indirectly by the Design-Builder fulfill their duties and responsibilities to the standard of diligence, skill and care that such persons would customarily provide in accordance with their professional and legal obligations in similar circumstances and in the same general geographic location as the Site. Any failure by any of the Design-Builder's Consultants or other Architects, Professional Engineers or professionals performing professional services in relation to the Design will not relieve the Design-Builder of any responsibility for ensuring that the Work is carried out in conformance with this Agreement including the Statement of Requirements, the Design and all Standards.

16.9 If the Design-Builder's Consultant's engagement is terminated, the Design-Builder will engage a new Design-Builder's Consultant to provide the Design. The Design-Builder will notify the Authority in writing before appointing or re-appointing the Design-Builder's Consultant, and the Design-Builder will not appoint any Design-Builder's Consultant to whom the Authority may reasonably object.

SECTION 17
DESIGN PROCESS

17.1 Unless otherwise agreed by the Authority, the Design-Builder will submit Drawings and Specifications and supporting information to the Authority for review under the Review Procedure in accordance with the Submittal stages described in Schedule 2 - Review Procedure.

17.2 Within 30 days after the Effective Date, the Design-Builder will deliver to the Authority the 30% Drawings and Specifications for the Project.

17.3 After review of the Submittals at the pre-tender Drawings and Specifications stage by the Authority, the Design-Builder will finalize and complete the “issued for construction” Drawings and Specifications. The Design-Builder will provide 3 copies of the final “issued for construction” Drawings and Specifications, and any revisions, to the Authority together with a certificate from the Design-Builder’s Consultant that the “issued for construction” Drawings and Specifications conform to the requirements of this Agreement and Submittals from the pre-tender Drawings and Specifications stage (including to address comments received from the Authority). The Design-Builder will provide the Drawings and Specifications on CD or USB in the formats described in Schedule 2 - Review Procedure.

17.4 Without limiting the generality of Section 17.1, each of the Submittals in this Section 17 must be formatted in a manner and contain detail that is satisfactory to the Authority. The Submittals must have clearly identified sections for:

(a) architectural design;

(b) civil design;

(c) structural design;

(d) mechanical design;

(e) electrical design;

(f) communications systems design;

(g) electronic safety and security systems design;

(h) landscape design;

(i) LEED documentation;

(j) energy; and

(k) commissioning documentation.

17.5 Each of the Submittals in this Section 17 must comply with the requirements in Schedule 2 - Review Procedure.

17.6 The Design-Builder will comply with any requirements set out in the Statement of Requirements in relation to the stages and process for Design, including with respect to meetings, presentations, mock-ups and user groups.

17.7 Unless otherwise required by the Authority, the Design-Builder will provide and use, and make available to the Authority and representatives of the Authority, a secure and confidential internet-based system for the storage and exchange of Design documentation in electronic format acceptable to the Authority.

SECTION 18
OWNERSHIP OF DOCUMENTS

18.1 The Design-Builder acknowledges and agrees that this Agreement contains intellectual property that is protected by copyright and that this intellectual property is intended to be used solely for the purposes of the Project. The Design-Builder will obtain prior written permission and will require the Design-Builder's Consultant and any other Subcontractors to obtain prior written permission for any other use.

18.2 Copyright for the Design and Drawings belongs to the Design-Builder, the Design-Builder's Consultant or other consultants who prepared them.

18.3 Plans, sketches, Drawings, graphic representations and Specifications, including computer generated designs, when prepared by the Design-Builder's Consultant or other consultants are instruments of their service and will remain their property whether the construction for which they are made is executed or not.

18.4 Submission or distribution of the Design-Builder's Consultants' or other consultants' plans, sketches, Drawings, graphic representations and Specifications to meet official regulatory

requirements or for other purposes in connection with the Work is not to be construed as publication in derogation of their reserved rights.

18.5 The Authority may retain copies, including reproducible copies, of all plans, sketches, Drawings, graphic representations and Specifications and other material including the Record Drawings. The Design-Builder hereby grants to the Authority a non-exclusive, royalty-free, fully paid, world-wide, perpetual and irrevocable licence to use the Design and any and all such material for any purpose related to the use and ownership of the Facility and the Land (including any renovations, additions or alterations to the Facility), for completion of any Work in the event of termination of this Agreement and for reference purposes in connection with other operations, projects and facilities of the Authority. Such licence may be sublicensed, assigned, at the discretion of the Authority, to any third party who has or may acquire an interest or obligation related to the Facility, including for any facilities maintenance, life cycle repair/replacement or other services to the Authority or others in relation to the Facility. The Design-Builder at the Authority's request, and prior to any payment after such request is made, will deliver to the Authority a consent and acknowledgement signed by the Design-Builder's Consultant confirming such licence.

18.6 Models and renderings furnished by the Design-Builder are the property of the Authority.

SECTION 19
ERRORS IN DESIGN

19.1 The Design-Builder is responsible for the Design, including all errors, omissions or deficiencies in the Design.

19.2 The Design-Builder will give written notice to the Authority immediately upon becoming aware of any error, omission or deficiency in the Design.

19.3 The Design-Builder will remedy at its own cost any error, omission or deficiency identified in the Design, including any resulting error, omission or deficiency in the Design that results in defects or deficiencies in any part of the Construction that has been commenced or completed. The Design-Builder will ensure that such remediation will conform to the requirements of this Agreement.

SECTION 20
LABOUR AND PRODUCTS

20.1 Unless otherwise expressly provided in this Agreement, the Design-Builder will provide and pay for all labour, products, materials, tools, equipment, machinery, water, heat, light, power, transportation and all other facilities, things and services (including services for Design) necessary for the performance of the Work in accordance with this Agreement.

20.2 All products, materials, equipment and machinery provided will be new unless otherwise expressly specified in this Agreement.

SECTION 21
SUBCONTRACTS

21.1 The Design-Builder will preserve and protect the rights of the Authority under this Agreement with respect to any Work to be performed by a Subcontractor, so that the subcontracting does not prejudice the Authority's rights under this Agreement.

21.2 The Design-Builder will be responsible to the Authority for the performance of all Subcontractors and will require the Subcontractors to perform their work in accordance with the terms and conditions of this Agreement.

21.3 The Design-Builder will be as fully responsible to the Authority for acts and omissions of Subcontractors and of persons directly or indirectly employed by them as for the acts and omissions of persons directly employed by the Design-Builder.

21.4 Nothing contained in this Agreement will create any contractual relationship between the Authority and any Subcontractors or their officers, agents, employees or workers.

21.5 The Design-Builder will require every Subcontractor to observe the terms of this Agreement so far as they apply to that portion of the Work to be performed directly or indirectly by that Subcontractor. The Design-Builder will require that the terms of this Agreement that are applicable to the portion of the Work to be performed by a Subcontractor will form part of that Subcontract.

21.6 The Design-Builder will require that every Subcontract for designers and Subcontractors require such designers and Subcontractors, where requested by either the Authority or the Design-Builder, to attend any Dispute resolution process including discussions, negotiations, mediation or arbitration between the Design-Builder and the Authority; provide frank, candid and timely disclosure of relevant information and documentation; and, bona fide negotiations to resolve such Disputes.

SECTION 22
OTHER CONTRACTORS

22.1 The Authority reserves the right to enter into separate contracts with Other Contractors in relation to the Project or to perform work itself. The Design-Builder will cooperate with and coordinate the Work with all concurrent construction activities by the Authority or Other Contractors on the Site or adjacent to the Site.

22.2 The Design-Builder will:

(a) coordinate the Work with that of Other Contractors and connect the Work with the work of Other Contractors as applicable; and

(b) ensure that performance of the Work is carried out in accordance with the Time Schedule so that Other Contractors are not delayed in their work.

22.3 The Design-Builder will promptly report to the Authority any apparent deficiencies in Other Contractors' work that could affect the Work as soon as they come to the Design-Builder's attention, and will confirm such report in writing promptly.

22.4 Where a Change is required as a result of the coordination and connection of the work of Other Contractors or the Authority with the Work, the Changes will only be made as provided in Section 47.

22.5 The Authority will require Other Contractors to coordinate and schedule their construction activities at the Site in accordance with the reasonable instructions of the Design-Builder acting as prime contractor that are applicable to health and construction safety at the Site and that are in accordance with the *Workers Compensation Act* (British Columbia).

22.6 The Design-Builder acknowledges that other persons working at the Site may be union or non-union and that the Authority wishes to ensure that labour peace is maintained. The Design-Builder will comply with all requirements of the Authority in respect of labour relations and the Design-Builder will take all reasonable precautions to avoid labour disruptions caused by, or contributed to by the Design-Builder, its Subcontractors or any persons performing the Work. The Design-Builder will bear the sole cost and expense of preventing, avoiding or removing any matter or events giving rise to such a labour disruption.

22.7 The Authority will assure, where possible, that Other Contractors are bound to equivalent terms as those found in this Section 22.

22.8 Claims, disputes, and other matters in question between the Design-Builder and Other Contractors will be dealt with as provided in Section 63 provided the Other Contractors have reciprocal obligations. The Design-Builder will be deemed to have consented to arbitration of any dispute with any Other Contractor whose contract with the Authority contains a similar requirement to Section 63.

SECTION 23
ACCESS TO AND USE OF SITE

23.1 Subject to the Site Plan, Project Management Plan and Work Plan and any limitations in this Agreement, the Authority grants to the Design-Builder a licence to enter and be upon the Site from the Site Occupation Date until Substantial Completion, to perform the Work that is required to be performed on the Site.

23.2 After Substantial Completion the Authority will provide access to the Facility and the Site as reasonably required for completion of the Work and rectification of deficiencies including warranty deficiencies, taking into account the Authority's use and occupancy of the Facility and the Site.

23.3 After Substantial Completion, the Design-Builder will:

(a) coordinate with the Authority to ensure timely completion of the Work and rectification of deficiencies including warranty deficiencies;

(b) comply with the Authority's requirements as set out in Section 32 with respect to dust, noise and vibration;

(c) minimize disruption to the Authority's use and occupancy of the Facility and will comply with all directions of the Authority with respect to timing, security and access for the rectification of deficiencies including warranty deficiencies; and

(d) comply with the security requirements of the Authority.

23.4 The Design-Builder will obtain and comply with any permissions required by the Authority for access to the Site and carrying out the Work, including with respect to hot works. The Design-Builder will not carry out any Work that it the subject of any such permission until such permission has been obtained from the Authority.

23.5 The Design-Builder will:

(a) limit its activities to the areas within the Site which are identified in the Site Plan, Project Management Plan and Work Plan as required to perform the particular aspect of Work, unless the Design-Builder obtains permission to occupy or use other lands;

(b) not access any areas of the Site or adjacent properties, including airspace, which it is not permitted to access under the Site Plan, Project Management Plan or Work Plan, without the prior written permission of the Authority; and

(c) obtain any construction easements and permits that may be required for construction of the Project. When requested to do so by the Design-Builder, the Authority may at its discretion provide reasonable assistance to the Design-Builder in obtaining such construction easements and permits required for the construction of the Project but, in no circumstance will the Authority be required to incur any costs or make any payments.

23.6 The Design-Builder will:

(a) not remove or disturb trees or other vegetation for purposes of the Work, including for the purpose of providing a lay down area unless expressly permitted to do so under this Agreement or approved by the Authority in writing and in accordance with any applicable Laws and the Statement of Requirements. The Design-Builder will obtain any required tree cutting permits; and

(b) rehabilitate all construction lay down areas to a standard not less than that observed for pre-existing conditions before Site Occupation Date and recorded in the pre-condition survey as described in Section 13.1.

23.7 The Design-Builder acknowledges that no parking is available at the Site and agrees that the Design-Builder, the Subcontractors and their respective workers will not park on any of the parking areas which exist at the Effective Date. The Design-Builder will use reasonable efforts to provide temporary parking or other alternate transportation solutions for workers.

SECTION 24
PHASED CONSTRUCTION

24.1 The Design-Builder will carry out the Construction in accordance with the Project Management Plan which will include, among other things:

(a) all Site preparation;

(b) Construction of the Facility, including the requirements and timing for construction and commissioning (including all systems and equipment);

(c) include the phasing requirements in the Statement of Requirements;

(d) demolition (if any);

(e) Site landscaping (if any);

(f) parking, access and traffic flows, including maintaining adequate vehicle, delivery and pedestrian access; and

(g) compliance with all requirements of this Agreement,

and the Design-Builder will submit the Project Management Plan to the Authority within 30 days after the Effective Date and will not proceed until the Project Management Plan has received the notation "**Reviewed**" under Schedule 2 - Review Procedure. If the Design-Builder proposes revisions to the Project Management Plan, the Design-Builder will submit the proposed revised Project Management Plan to the Authority and will not proceed with revised Project Management Plan until it has received the notation "**Reviewed**" under Schedule 2 - Review Procedure.

24.2 The Design-Builder will:

(a) comply with the reviewed Project Management Plan;

(b) construct the Facility within the area of the Site indicated on the Site Plan;

(c) install at least an eight foot high fence around the perimeter of the area in which it is performing the Work and such hoarding and lighting as may be required by the Authority including any hoarding required to protect the public and separate the area of the Work from the other portions of the Site and the phasing requirements;

(d) provide video surveillance on all sides of the Site;

(e) perform all Construction activities within the areas of the Site set out in the Site Plan and Project Management Plan, except as approved by the Authority for any work required in other areas of the CMH Campus;

(f) perform all Construction activities without blocking or disrupting vehicle, delivery or pedestrian access, except as may be permitted pursuant to the Project Management Plan;

(g) not use any explosives without the Authority's consent;

(h) take reasonable steps to ensure that Construction workers or suppliers do not smoke or otherwise consume any tobacco, e-cigarettes or cannabis products on the CMH Campus;

(i) provide a 24-hour hotline (and post the phone number in a prominent location on the Site) for:

(i) Authority staff to notify the Design-Builder of any Construction related emergencies; and

(ii) neighbours and passers-by to contact the Design-Builder,

and the Design-Builder will respond to any phone calls made on the hotline within 1 hour of the call being made;

(j) provide the neighbourhood committee with the name and contact information of a representative to whom the committee may direct its concerns;

(k) provide a community liaison officer (who may be the same individual as the representative referred to in Section 24.2(j)) to provide a single point of contact regarding construction and development issues;

(l) before commencing the Construction, prepare and implement in co-operation with the Authority a construction fire safety plan for the Project, which plan will describe emergency access routes to and from the Facility and the Site during an emergency.

24.3 If the Design-Builder performs any Construction outside of the area designated at the Site, the Design-Builder will comply with all policies and other requirements of the Authority.

SECTION 25
INTEGRATION

25.1 The Design-Builder acknowledges and agrees that the Existing Hospital will continue to be operated as a hospital providing acute inpatient care and outpatient care by the Authority during Construction. The Existing Hospital must remain fully operational at all times during Construction.

25.2 Without limiting the other requirements of this Agreement, the Design-Builder will:

(a) co-operate with the Authority to co-ordinate any work required to connect to the Existing Hospital, to minimize the interference to the on-going operation of the Existing Hospital, including the delivery of quality patient care;

(b) adhere to all Authority policies and procedures relating to the Existing Hospital established from time to time;

(c) prior to performing any Work on the Site that is not indicated in the Site Plan or the Project Management Plan, performing any Work within the Existing Hospital, performing any Work that is off-Site, performing any Work involving connecting the Facility with the Existing Hospital or performing any Work that involves any proposed shutdown of any services, deliver to the Authority and obtain the Authority's approval of a work plan (the "**Work Plan**") clearly identifying:

(i) the activity that may interfere with the operation of the Existing Hospital including a description of the nature, timing and extent of interference;

(ii) the steps the Design-Builder intends to take to minimize the extent of such interference;

(iii) the temporary measures that the Authority will be required to take to accommodate the interference;

(iv) any specific reporting relationships between the Design-Builder and the Authority’s staff desirable or required to coordinate the interference;

(v) any expansion of the area of the Site for the purpose of performing the Work indicated in the Work Plan; and

(vi) for Work involving activities within the Existing Hospital or connecting the Facility to the Existing Hospital, the steps the Design-Builder will take to:

(A) meet all the applicable requirements in the Statement of Requirements;

(B) maintain vehicle, pedestrian and fire access to the Existing Hospital;

(C) maintain the relevant portions of the Existing Hospital site clean and free of debris or unnecessary materials;

(D) prevent the introduction onto the Existing Hospital site of any materials or chemicals on to the site which would impact the operation of the site; and

(E) comply with safety requirements,

unless the Authority, at its discretion, notifies the Design-Builder in writing that a Work Plan will not be required for particular work or a particular shutdown.

25.3 Prior to delivering a Work Plan, the Design-Builder will consult with the Authority and, upon reasonable request, the Authority will make appropriate staff available for such consultation to determine the Work Plan that minimizes interference to the Existing Hospital. The Design-Builder will not proceed with any Work that may cause any interference with the Existing Hospital, is located off-Site or involves any proposed shutdown of services without:

(a) the Authority's prior written approval of a Work Plan under this Section 25, such approval not to be unreasonably withheld or delayed; or

(b) advance written notice from the Authority confirming that a Work Plan is not required.

SECTION 26
SIGNAGE

26.1 The Design-Builder may erect signage at the Site during Construction to identify the Design-Builder and Subcontractors provided such signage and its location(s) is acceptable to the Authority, acting reasonably. The Design-Builder will also erect the Authority's signage as required by the Authority.

SECTION 27
USE OF SITE

27.1 The Design-Builder will confine its construction machinery and equipment, tools, storage of materials and products, and the operations of workers to limits indicated in the Site Plan, Project Management Plan or Work Plan or by or under all applicable Laws, and will not unreasonably encumber the Site or other activities on the Site.

27.2 The Design-Builder will comply with the Authority's policies, procedures and instructions, including regarding parking, safety, harassment, fires, smoking, signs and advertisements.

27.3 The Design-Builder will not load or permit to be loaded any part of the Construction with a weight or force that endangers the safety of the Project.

27.4 The Design-Builder will ensure that the Work does not adversely impact the ongoing operations of the Authority, or any person on behalf of the Authority, near or adjacent to the Site, including the operation of the Existing Hospital.

27.5 The Design-Builder will confirm the location of all utilities and ensure that all of its labour force, employees, Subcontractors and any other workers at the Site:

(a) are made aware of the location of all utilities in connection with the Project and the importance of avoiding damage to those underground utilities;

(b) observe any instructions in connection with those utilities issued by the Authority on behalf of any applicable utility owners; and

(c) protect all such utilities.

SECTION 28
CONDITIONS AT SITE/DISCLOSED DATA

28.1 The Design-Builder acknowledges and agrees that:

(a) it has received and reviewed a copy of the Site Report;

(b) it has had the opportunity to undertake examinations and investigations of the Site in order to satisfy itself as to Site conditions and the impact they could have on any or all of the Work (including Design and Construction), Contract Time and Contract Price;

(c) only objective geotechnical data provided in the Site Report can be relied upon for accuracy (subject to any qualifications or conditions set out in such information or this Agreement) but such data cannot be relied upon for sufficiency, relevancy or interpretation;

(d) neither the Authority, the Authority's Representative, the Authority's Consultant nor any other person on behalf of the Authority is in any way responsible or liable for the completeness, interpretation or accuracy of the Site Report (except accuracy of objective geotechnical data identified in Section 28.1(c)) or for any variation between Site conditions actually encountered by the Design-Builder and those set out in the Site Report; and

(e) subject to Section 28.4, Section 29 and Section 30, the Design-Builder is not entitled to any adjustment in the Contract Time or Contract Price, or to any other remuneration, compensation or damages whatsoever, in any way connected with Site conditions.

28.2 It is the Design-Builder's responsibility to have conducted its own analysis and review of the Project and, before the execution of this Agreement, to have taken all steps it considers necessary to satisfy itself as to the accuracy, completeness and applicability of any Disclosed Data upon which it places reliance and to assess all risks related to the Project. Except with respect to the accuracy of objective geotechnical data identified in Section 28.1(c) the Design-Builder will not be entitled to and will not make (and will ensure that no Subcontractor makes) any claim against the Authority or any Indemnified Party, whether in contract, tort or otherwise including any claim in damages for extensions of time or for additional payments under this Agreement on the grounds:

(a) of any misunderstanding or misapprehension in respect of the Disclosed Data;

(b) that the Disclosed Data was incorrect or insufficient; or

(c) that incorrect or insufficient information relating to the Disclosed Data was given to it by any person other than the Authority,

nor will the Design-Builder be relieved from any obligation imposed on or undertaken by it under this Agreement on any such ground.

28.3 The Design-Builder, in order to design the Facility, is responsible for obtaining sufficiently accurate, complete and applicable geotechnical information necessary to properly design a foundation and structure of the Facility that is appropriate for the soils conditions. This may require supplementing the Disclosed Data. Accordingly, the Design-Builder is not entitled to any adjustment in the Contract Time or Contract Price, or to any other remuneration, compensation or damages whatsoever, in any way connected with Site conditions, including the matters described in Section 28.2 if it has failed to obtain sufficient geotechnical information necessary to prepare a Design that reasonably anticipates the soils conditions actually encountered.

28.4 If the Design-Builder is delayed in performing the Work as a result of inaccuracy in the objective geotechnical data provided in the Site Report, the Design-Builder's entitlement to an extension of the Contract Time and reimbursement of costs will be determined in accordance with Section 51. If the Design-Builder is not delayed in performing the Work but incurs additional costs as a result of inaccuracy in the objective geotechnical data provided in the Site Report, adjustment in the Contract Price will be agreed upon or determined in accordance with Section 48.

SECTION 29
ARCHAEOLOGICAL ITEMS

29.1 Upon discovery at the Site of any fossils, remains, coins, articles of value or antiquity, including all heritage objects (as defined in the *Heritage Conservation Act* (British Columbia)), the Design-Builder will:

(a) immediately notify the Authority;

(b) take all steps not to disturb the item and, if necessary, stop Construction to the extent required if performing the Construction would endanger the object or prevent or impede its excavation;

(c) take all necessary steps to preserve the item in the same position and condition in which it was found; and

(d) comply with all Laws and regulations and all requirements of governmental authorities with respect to such discovery including pursuant to the *Heritage Conservation Act* (British Columbia).

29.2 If the Design-Builder is delayed in performing the Work taking steps required under Section 29.1, the Design-Builder's entitlement to an extension of the Contract Time and reimbursement of costs will be determined in accordance with Section 51. If the Design-Builder is not delayed in performing the Work but incurs additional costs as a result of taking steps required under Section 29.1, adjustment in the Contract Price will be agreed upon or determined in accordance with Section 48.

SECTION 30
CONTAMINANTS AND ENVIRONMENTAL MANAGEMENT

30.1 The Design-Builder acknowledges and agrees:

(a) it has received and reviewed a copy of the following reports (the "**Environmental Reports**");

(i) 4993 R01nn Pre-Reno Hazmat Report CMH 07-21-2020; and

(ii) Report of Findings – Phase I Environmental Site Assessment, Cariboo Memorial Hospital, 517 North 6th Avenue, Williams Lake, BC, October 2020, prepared by Keystone Environmental Ltd.

(b) it has had the opportunity to undertake examinations and investigations of the Site, including existing buildings and facilities, in order to satisfy itself as to Site conditions and the impact they could have on any or all of the Work (including Design and Construction), Contract Time, and Contract Price;

(c) it is responsible for all management, removal, abatement, containment and disposal of Contaminants disclosed in or reasonably inferred from the Environmental Reports; and

(d) neither the Authority nor the Authority's Representative nor any other person on behalf of the Authority is in any way responsible or liable for the completeness, interpretation or accuracy of the Environmental Reports.

30.2 The Design-Builder acknowledges that the Authority has made no representation or warranty as to the absence or presence on, in or under the Site of any Contaminant. If the Design-Builder, after commencing the Work, encounters or has reason to believe in the existence of any Contaminant on, in or under the Site, the Design-Builder will at once take all reasonable steps, including suspension of the Work, as necessary to ensure that no person or property suffers injury, sickness, death, damage or destruction as a result of exposure to, or the presence of, any Contaminant, and the Design-Builder will immediately report such Contaminant to the relevant governmental authorities and to the Authority.

30.3 If the Design-Builder is delayed in performing the Work due to discovery of Contaminants, other than those disclosed in or reasonably inferred from the Environmental Reports, by taking steps required under Section 30.2, the Design-Builder's entitlement to an extension of the Contract Time and reimbursement of costs will be determined in accordance with Section 51. If the Design-Builder is not delayed in performing the Work but incurs additional costs due to discovery of such Contaminants, other than those disclosed in or reasonably inferred from the Environmental Reports, adjustment in the Contract Price will be agreed upon or determined in accordance with Section 48.

SECTION 31
SITE SAFETY

31.1 The Design-Builder agrees to be the "prime contractor" for the purposes of all applicable occupational health and safety Laws, including the *Workers Compensation Act* (British Columbia), and the Design-Builder is responsible for filing any documents necessary to comply with the *Workers Compensation Act* (British Columbia), including a notice of project. The Design-Builder will comply with all requirements of the *Workers Compensation Act* (British Columbia) and any

other occupational health and safety Laws, applicable to the Project, the Work or to the Site. The Authority will comply, and will cause Other Contractors to comply, with occupational health and safety requirements established by the Design-Builder to fulfil the Design-Builder's obligations as "prime contractor".

31.2 Prior to commencing the Work and as a condition of receiving payment on Substantial Completion and on Total Completion, the Design-Builder will provide the Authority with satisfactory written evidence of compliance by the Design-Builder with all requirements under the *Workers Compensation Act* (British Columbia), including payments of assessments due under it to the Workers' Compensation Board. Without limiting the foregoing, the Authority may at any time require the Design-Builder to provide evidence of compliance with all requirements under the *Workers Compensation Act* (British Columbia), or payment of assessments due under it to the Workers' Compensation Board, or both.

31.3 When required to do so by the Authority, the Design-Builder will provide the Authority with evidence of its compliance and compliance of any or all of its Subcontractors under Section 31.2.

31.4 Following the Site Occupation Date, the Design-Builder will coordinate health and safety for the Site for all activities performed by its workers as well as those of Subcontractors, utilities, inspectors, the Authority, Other Contractors and any others performing any activities at the Site.

31.5 The Design-Builder will establish, implement and provide for the review by the Authority, by no later than 30 days after the Effective Date, a plan (the "**Health and Safety Plan**") that meets all applicable requirements of this Agreement with respect to health and safety at the Site and that addresses the safety of the Authority, patients and others who may be on the Site or property in the vicinity of the Site. The Design-Builder will provide safety fencing and hoarding as necessary to limit access to the Site in accordance with the Health and Safety Plan.

31.6 The Design-Builder will ensure that its Health and Safety Plan is consistent with, and accommodates any requirements of, the Authority's policies regarding safety and that it specifically addresses the safety of the Authority, patients, visitors and others who may be on the Site or on property in the vicinity of the Site.

31.7 The Design-Builder will maintain and comply with the Health and Safety Plan in all material respects during execution of the Work.

31.8 Prior to any person accessing the Site pursuant to this Agreement, the Design-Builder will provide health and safety orientation and information to such person in accordance with its Health and Safety Plan.

SECTION 32
DUST, NOISE AND VIBRATION

32.1 The Design-Builder will carry out its Construction to minimize dust, noise, vibration, noxious odours and fumes.

32.2 Without limiting Section 32.1, the Design-Builder will discuss with the Authority any expected vibration from the Construction activities, will plan operations to minimize disruption to the Authority's activities and the Existing Hospital operations, and will carry out its Construction activities, so that dust, noise, vibration, noxious odours, fumes or other disruptive activities do not

unreasonably and adversely affect the Authority's activities, the Existing Hospital operations or use of properties in the vicinity of the Site.

SECTION 33
TESTING AND COMMISSIONING

33.1 The Design-Builder will prepare and deliver to the Authority, not less than 180 days before the Target Substantial Completion Date, for review under the Review Procedure, a final version of the detailed testing and commissioning plan (the "**Commissioning Plan**") that is consistent with the requirements for testing and commissioning of the Facility identified in the Statement of Requirements and that sets out the commissioning activities the Design-Builder intends to carry out to commission the Facility. The Commissioning Plan will include, among other things:

(a) a description of all equipment and systems to be tested and commissioned and the associated commissioning requirements;

(b) a schedule, related to the Time Schedule, showing the timing of all testing and commissioning activities; and

(c) supporting documentation, including as appropriate:

(i) design calculations and/or assumptions; and

(ii) manufacturer's specifications.

33.2 The Design-Builder will retain a qualified independent commissioning agent (acceptable to the Authority, acting reasonably) (the "**Commissioning Authority**"). The Commissioning Authority will be responsible for the commissioning activities described in the Statement of Requirement and will test and commission all equipment and systems in the Facility to demonstrate to the Authority that the Facility equipment and systems, including all major systems, are fully operational and that the Authority may occupy the Facility for its intended use as described in the Statement of Requirements. The Design-Builder will ensure that Commissioning Authority prepares a written report to confirm the foregoing and confirms completion of all commissioning activities before, as applicable, Substantial Completion. Testing and commissioning will include, among other things, the following:

(a) a complete and successful demonstration in real time under full stress conditions for all equipment and systems that require or are provided with redundancy or spare capacity;

(b) end to end testing and commissioning of key equipment and systems including but not limited to all equipment, communication systems (wireless communications, intercom, overhead paging, telephones) and door controls; and

(c) clinical validation or proper functioning of all equipment and systems and all points of integration between such equipment and systems.

SECTION 34
DOCUMENTS AT THE SITE

34.1 The Design-Builder will keep at least 1 copy of the following documents at the Site in good order and available to the Authority:

(a) a copy of this Agreement;

(b) a copy of all development, building, electrical and plumbing permits and inspection reports;

(c) up to date and current Drawings and Specifications, including any shop drawings prepared or obtained in respect of the Work and all redlined drawings for each applicable discipline;

(d) the Project Management Plan;

(e) the Time Schedule;

(f) the Quality Management Plan;

(g) the Work Plan; and

(h) the Health and Safety Plan.

SECTION 35
CLEANUP AND FINAL CLEANING OF WORK

35.1 The Design-Builder will maintain the Work in a tidy condition and free from the accumulation of waste products and debris, other than that caused by the Authority, Other Contractors or their employees.

35.2 The Design-Builder will promptly remove all surplus products, tools, construction machinery and equipment, and any waste and debris.

35.3 The Design-Builder will leave the Facility clean and suitable for occupancy and use by the Authority by the Substantial Completion Date in accordance with the Authority's standards of cleanliness.

35.4 The Design-Builder will leave the Site clean and suitable for occupancy and use by the Authority by the Substantial Completion Date of the Project in accordance with the Authority's standards of cleanliness.

35.5 In connection with any Work after the Substantial Completion Date, the Design-Builder will at all times leave the Work and Site clean and suitable for occupancy and use by the Authority but is not required to remove waste caused by the Authority.

SECTION 36
REMEDIAL WORK

36.1 The Design-Builder will do all remedial work that may be required to make the several parts of the Work comply with the Statement of Requirements.

36.2 The Design-Builder will coordinate the Time Schedule for the Work to ensure that the requirement under Section 36.1 is kept to a minimum.

36.3 Remedial work will be performed by specialists familiar with the materials affected and will be performed in a manner to neither damage nor endanger any Work.

SECTION 37
REJECTED WORK

37.1 Defective Work, whether the result of poor design, poor workmanship, use of defective equipment or materials, or damage through carelessness, default or other acts of the Design-Builder or any Subcontractor, and whether incorporated in the Work or not, which has been rejected by the Authority as failing to conform to any of the Statement of Requirements, the Design or the Standards, will be removed promptly by the Design-Builder and replaced and re-executed promptly and properly at the Design-Builder's expense.

37.2 If the Design-Builder does not remove such defective Work within the time fixed by written notice by the Authority, the Authority may remove them and store any materials at the expense of the Design-Builder.

37.3 Other Contractor's work destroyed or damaged by such removals or replacements will be made good by the Design-Builder promptly at the Design-Builder's expense.

SECTION 38
WARRANTY

38.1 The Design-Builder will promptly correct, at its own expense, any Work that is not in accordance with this Agreement and any defects or deficiencies in the Work that appear during the period of 12 months after the Substantial Completion Date (the "**Warranty Period**").

38.2 The Design-Builder will correct defects or deficiencies at times and in a manner which causes as little inconvenience to the occupants of the Facility and the Authority's operations on and adjacent to the Site as is reasonably possible.

38.3 The Authority may carry out, or have others carry out, rectification work at the Design-Builder's cost if:

(a) the Authority gives notice to the Design-Builder of a defect or deficiency and the Design-Builder does not correct the defect or deficiency within a reasonable time, not to exceed 14 days, unless the nature of the defect or deficiency is such that it cannot be corrected within such time and the Authority, acting reasonably, agrees to an extension of such time; or

(b) the nature of the defect or deficiency is such that it creates a risk to the health or safety of any occupant or user of the Facility, or risk of damage to the Facility, the environment or any property and the Authority gives notice to the Design-Builder within a reasonable time after the commencement or completion of the rectification work.

38.4 If the Authority carries out or has others carry out the rectification work pursuant to Section 38.3 the Design-Builder remains responsible for the Work (including the rectification work).

38.5 The Design-Builder will provide to the Authority extended warranties from Subcontractors where required by the Statement of Requirements, the Proposal Extracts or other provisions of this Agreement and any other extended warranties provided by Subcontractors.

38.6 The Design-Builder will correct, at its own cost, or pay the Authority for any damage resulting from the defects or deficiencies and the corrections required under Section 38.1.

38.7 Issuance of the Substantial Completion Certificate and the Total Completion Certificate, and final payment to the Design-Builder, do not relieve the Design-Builder from its responsibility under this Section 38.

SECTION 39
TITLE AND RISK

39.1 Title to the Work will vest only in the Authority. Without prejudice to any of the rights of the Authority under this Agreement, title to the Work or any part of the Work will vest in the Authority at the earliest of:

(a) the time that the Work or part of it is at the Site;

(b) the time that the Authority has paid for the Work or part of the Work; and

(c) the time of installation or construction of the Work or part of the Work.

39.2 The Work will remain under the care, custody and control of the Design-Builder and at the risk of the Design-Builder until Substantial Completion or until such earlier date determined by the Authority, and notified in writing to the Design-Builder, for occupancy and use by the Authority. The Design-Builder will exercise all reasonable care to avoid loss of, or damage to, the Work.

39.3 The Design-Builder represents and warrants that title to the Work and any part of the Work will pass to the Authority free and clear of all liens, charges and encumbrances.

PART D – PAYMENT AND COMPLETION

SECTION 40
APPLICATIONS FOR PAYMENT

40.1 The Design-Builder will make applications for payment in accordance with this Section 40.

40.2 Applications for payment will be:

(a) submitted to the Independent Certifier, with a copy to the Authority's Consultant;

(b) dated the last day of the monthly period;

(c) for the value, proportionate to the amount of the Contract Price, of Work performed and material delivered to the Site or stored off-Site in accordance with Section 40.14, to and at the date of submission; and

(d) submitted no more than once per month during the performance of the Work.

40.3 Pending determination of the final result of any Change, the undisputed value of the Work performed as a result of a Change is eligible to be included with payment applications.

40.4 The Design-Builder will submit to the Independent Certifier, with a copy to the Authority's Consultant, for review, at least 14 days before the first application for payment, a Schedule of Values of the various parts of the Work, aggregating to the total amount of the Contract Price and divided so as to facilitate evaluation of applications for payment. The Schedule of Values will be consistent with the information set out in the breakdown of the Contract Price set out in Schedule 6 - Schedule of Prices and made out in such form and supported by such evidence as to its correctness as the Independent Certifier may reasonably require. The Independent Certifier will provide comments to the Design-Builder on the Schedule of Values, the Design-Builder will revise the Schedule of Values to address the comments, and so on, until such time as the Independent Certifier is satisfied with the Schedule of Values. The Schedule of Values will be used as the basis for all applications for payment, unless it is found at any time to be in error, in which case it will be corrected in accordance with the Independent Certifier directions. If the Schedule of Values is not finalized prior to an application for payment, the Independent Certifier may consider the applications for payment on the basis of the Schedule of Values under review and the Independent Certifier's comments on such Schedule of Values or such other basis as determined by the Independent Certifier.

40.5 When making applications for payment, the Design-Builder will submit a statement based upon the Schedule of Values. Claims for material and equipment delivered to the Site but not yet incorporated into the Work will be supported by such evidence as the Independent Certifier may reasonably require to establish the value and their delivery.

40.6 Subject to any further information that may be required by the Authority, the application for payment will include:

(a) the amount applied for in the application;

(b) the value of Work performed and material and equipment delivered to the Site or approved stored off-Site;

(c) payment amounts in respect of any Changes to which the Design-Builder is entitled under this Agreement, including under Section 40.3;

(d) any adjustments to the Contract Price under this Agreement;

(e) the balance of the Contract Price to complete the Work;

(f) the amount of Lien Holdback, which on the first application for payment following termination of the DEWA will include the total amount of the DEWA Lien Holdback;

(g) the amount of Performance Holdbacks;

(h) the amount of any withholding or amount to be released under Section 40.8;

(i) certification by the Design-Builder that the Project Binder includes documentation current to within at least 30 days prior to the application, including all inspection reports;

(j) a statutory declaration of an officer or senior management employee of the Design-Builder stating that all accounts for labour, subcontracts, materials, construction machinery and equipment and other indebtedness which may have been incurred by the Design-Builder in performing the Work and for which the Authority might in any way be held responsible have been paid in full, except for amounts properly retained as a holdback or as an identified amount in dispute; and

(k) a clearance letter from the Workers' Compensation Board indicating that all current assessments due from the Design-Builder and all Subcontractors with subcontracts larger than $50,000 in value have been paid.

40.7 Applications for release of the Lien Holdback will be made under Section 42 and applications for any payment at Substantial Completion or Total Completion will be made under Section 44.

40.8 It is a condition of payment that the following, and all documentation, certification and requirements of the following, are complete and up to date as of the date of each application for payment:

(a) Health and Safety Plan;

(b) Project Management Plan;

(c) Time Schedule;

(d) Quality Management Plan;

(e) Project Binder updated as described in Section 45.3;

(f) issued for construction Drawings and Specifications, commencing with the first application for payment 180 days prior to the Target Substantial Completion Date; and

(g) Commissioning Plan commencing with the first application for payment 180 days prior to the Target Substantial Completion Date.

The Design-Builder will not be required to re-submit documentation previously provided. The Design-Builder will identify any changes to previously submitted documentation and at the Authority's request submit revised documentation.

The Authority acknowledges that the requirement in Section 40.8(f) for issued for construction Drawings and Specifications does not require the Design-Builder to provide such Drawings and Specifications prior to the date such Drawings and Specifications are required to perform the Work and in accordance with the other provisions of this Agreement.

If any of the foregoing listed items, including the required certification, documentation and certification for each listed item, is not complete and up to date, then the Authority may for each listed item that is not complete and up to date withhold from payment the amount of 3% of the total application for payment. This withholding will apply to each month for which such item or items is not complete and up to date. The applicable withholding will be released with the next monthly payment when such item is completed and up to date. In addition, in relation to the Quality Management Plan if the Independent Certifier considers that the Design-Builder has not demonstrated that the Work to which the Quality Management Plan relates was satisfactorily

performed then the Independent Certifier may in accordance with Section 40.10 reduce the payment by the amount of such unsatisfactory Work and by the cost of the required processes, testing, certification, auditing and documentation required to ensure compliance with the Quality Management Plan.

40.9 Notwithstanding the actual progress, the following will apply:

(a) it is a condition of the Authority's obligation to make payment under this Agreement that the Design-Builder complies with Section 8.8 in respect of the delivery of Bonds and insurance

(b) payment of the cost of the Bonds and cost of insurance will be made to the Design-Builder upon presentation of all bonding and insurance documentation required by this Agreement and upon presentation of satisfactory proof of payment of related fees or premiums; and

(c) payment for mobilization identified in the Schedule of Values will be a maximum of 1% of the Contract Price and payment will be made in two parts: 25% when the Design-Builder occupies the Site, and 75% when the Design-Builder has established a fully functional site office as determined by the Independent Certifier, construction equipment is on the Site and construction has commenced.

40.10 The Independent Certifier, will, within 10 Business Days of receipt of the Design-Builder's application for payment, either:

(a) accept the amount set out in the application for payment; or

(b) adjust the amount of any payment to reflect the Independent Certifier's estimate of Work satisfactorily performed as of the date of the application for payment.

If the Independent Certifier amends the application for payment, the Independent Certifier will promptly notify the Design-Builder in writing and give reasons for the amendment.

40.11 Provided the Design-Builder is not in material default of any provision in this Agreement, the Authority will pay the Design-Builder within 10 Business Days of the Independent Certifier approving or adjusting the Design-Builder's application for payment in accordance with Section 40.10 and the Schedule of Values.

40.12 Whenever any sum of money is recoverable from or payable by the Design-Builder pursuant to this Agreement or is an amount for which the Authority may be liable on account of a default by the Design-Builder, the Authority may deduct or set off such sum from, or may reduce, any amounts then due or that may thereafter become due to the Design-Builder under this Agreement. Without limiting the generality of the foregoing, the Authority may set-off any amounts for liquidated damages set out in this Agreement.

40.13 Notwithstanding that the Authority is under no obligation to pay for any material and equipment that not been delivered to the Site, the Design-Builder may make requests from time to time, and on a case-by-case basis, for the Authority to consent to arrangements to facilitate payment for material and equipment which have been delivered to an off-Site storage facility or site, with any such consent at the sole discretion of the Authority. As a condition to providing its consent, the Authority may require additional information from the Design-Builder regarding the proposed arrangement, including:

(a) if the Design-Builder is the owner of the off-Site storage facility, evidence confirming such ownership; and

(b) if the Design-Builder leases or is otherwise not the owner of the off-Site storage facility, a direct agreement (in a form satisfactory to the Authority) from the landlord or owner of the off-Site storage facility disclaiming any right to seize the products, material or equipment in exercising its distress right.

40.14 In the event that the Authority provides such consent, the following will apply:

(a) the Authority's prior consent will be in writing;

(b) material and equipment will be stored at a location and in conditions that are to the satisfaction of the Authority and the Authority's Consultant;

(c) storage will be secure and safe and the material and equipment will be held apart, singly and solely for the purposes of the Project and protected from the weather;

(d) labelling of the material and equipment will not damage, permanently deface or harm the material and equipment in any way and will be clearly labelled as "The Property of Interior Health Authority";

(e) each piece of material and equipment will be assigned and labelled with a unique identifier code such that the Authority 's Consultant will be able to identify the material and equipment in the Design-Builder's application for payment;

(f) the Design-Builder will provide a written summary of any material and equipment not stored at the Site for which prior consent for payment has been provided by the Authority, and the Design-Builder will provide this to the Authority's Consultant prior to inspection of the material and equipment;

(g) the Design-Builder will provide the Authority and the Authority's Consultant with such reasonable, unfettered and safe access as reasonably necessary to view or identify any material and equipment not delivered to the Site with one Business Day advance notice;

(h) payment for material and equipment not delivered to the Site does not imply or infer that the material and equipment has been inspected, verified, or accepted in any way, and the Design-Builder will retain the entire responsibility and expense for securing and protecting any material and equipment that has not been delivered to the Site, irrespective of whether or not the Authority has made any payment in respect of the material and equipment; and

(i) within one Business Day of a written request by the Authority or the Authority's Consultant, the Design-Builder will provide the Authority with written that confirmation the storage location and conditions meet the requirements of this Section 40.13.

SECTION 41
TAXES AND DUTIES

41.1 The Contract Price is inclusive of all applicable customs duties and taxes (including PST), other than GST, in effect at the Effective Date.

41.2 The Design-Builder will remit all customs duties and taxes to the applicable governmental authority as and when required by the relevant Law and will without limiting Section 58, indemnify and hold the Indemnified Parties harmless from and against any customs duties and taxes that the Design-Builder fails to remit as and when due, and from and against any costs and penalties and interest that may be levied against the Indemnified Parties.

41.3 Any increase or decrease in costs to the Design-Builder due to changes in taxes or duties that are in effect at the Effective Date of this Agreement will increase or decrease the Contract Price accordingly.

41.4 Where an exemption or refund of taxes, customs duties or excise taxes is applicable to this Agreement by way of the Design-Builder filing claims for, or cooperating fully with the Authority and the proper authorities in seeking to obtain such exemption or refund, the Design-Builder will make such applications and provide such cooperation.

41.5 Refunds that are properly due to the Authority and have been recovered by the Design-Builder will be promptly refunded to the Authority.

SECTION 42
LIEN HOLDBACK

42.1 The Authority will retain and release the Lien Holdback in accordance with the provisions of the *Builders Lien Act* (British Columbia). The Authority will retain the entirety of the DEWA Lien Holdback from the first payment to the Design-Builder after the termination of the DEWA, and upon such retention the DEWA Lien Holdback will form part of the Lien Holdback.

42.2 For the purposes of the *Builders Lien Act* (British Columbia), the Independent Certifier will be the payment certifier for this Agreement.

42.3 For the purposes of progressive release of portions of the Lien Holdback in respect of Subcontracts, the Independent Certifier will be the payment certifier under the *Builders Lien Act* (British Columbia).

42.4 The Design-Builder will make application to the Independent Certifier for certification under the *Builders Lien Act* (British Columbia). As a condition of making any application and as a condition of any certification, the Design-Builder will provide the Independent Certifier with all information required by the Independent Certifier.

42.5 Without limiting Section 58, the Design-Builder will, at its sole risk and expense, do everything necessary, including through the institution, prosecution or defence of legal proceedings, to promptly discharge from title to the Site any claims of builder's lien, builder's liens or certificates of pending litigation by any Subcontractor or other person claiming under or through the Design-Builder or Subcontractor. If the Authority becomes aware that any such claim of builder's lien, builder's liens or certificate of pending litigation is threatened or has been registered against title to the Site, the Authority may, withhold out of the Lien Holdback or any other monies payable to the Design-Builder such amounts as the Authority reasonably considers necessary in order to secure the discharge of such claim of builder's lien, builder's liens or certificate of pending litigation. The Authority will cooperate with the Design-Builder in securing the discharge of any of the foregoing, subject to such arrangements being made as the Authority reasonably considers necessary before any such additional holdback monies are paid to any person or into court. This Section 42.5 will

not apply to a claim of builder's lien, builder's liens or certificates of pending litigation that arise due to the improper non-payment by the Authority.

SECTION 43
PERFORMANCE HOLDBACKS

43.1 In addition to the Lien Holdback and any amount retained under this Agreement (including for deficiencies under Section 44.4), the Authority will retain:

(a) a holdback of of the Contract Price (the "**LD Holdback**") if at any time after the date that is 12 months before the Target Substantial Completion Date (or if the Authority has extended the Time Schedule in accordance with this Agreement, such other date established for the Target Substantial Completion Date) the Independent Certifier determines that the Substantial Completion Date is not reasonably likely to occur on or before the Target Substantial Completion Date (or if the Authority has extended the Time Schedule in accordance with this Agreement, such other date established for the Target Substantial Completion Date);

(b) a holdback of (the "**LEED Holdback**"); and

(c) a holdback of (the "**Warranty Holdback**")

(collectively, the "**Performance Holdbacks**").

43.2 The Performance Holdbacks will be retained by the Authority as follows:

(a) if the Independent Certifier makes a determination described in Section 43.1(a), the LD Holdback will be withheld from any payments due by the Authority; and

(b) the LEED Holdback and the Warranty Holdback will be withheld from any payments due by the Authority after the achievement of Substantial Completion, provided that if the amount of such payments due by the Authority is insufficient, the Design-Builder will immediately provide the Authority with such additional amount as necessary to ensure the Authority has security in the full amount of the LEED Holdback and the Warranty Holdback.

43.3 The Authority will release the LD Holdback, less liquidated damages payable by the Design-Builder under Section 3.3 upon the achievement of Substantial Completion.

43.4 The Authority will release the LEED Holdback, less liquidated damages payable by the Design-Builder under Section 10, upon the achievement of the points, credits or LEED Gold Certification, as applicable.

43.5 The Authority will release the Warranty Holdback, less deductions for amounts owing to the Authority, upon the completion of the Warranty Period and satisfaction of all obligations of the Design-Builder under Section 38.

43.6 The Authority may apply the Performance Holdbacks against any amount owing by the Design-Builder to the Authority either prior to the Substantial Completion Date or during the Warranty Period. If any amount is applied against the Performance Holdbacks, the Design-Builder will at the Authority's option, acting reasonably, either pay such amount to the Authority to replenish the

Performance Holdbacks then required to be withheld, or the Authority may withhold such amount from the next payment or payments due to the Design-Builder.

43.7 The Design-Builder will apply for payment of the applicable Performance Holdback and payment will be made in accordance with Section 40.

43.8 The Performance Holdbacks are not held in trust for the Design-Builder, property of the Design-Builder, earned by the Design-Builder or due and payable by the Authority until the conditions for release of the Performance Holdbacks are satisfied.

43.9 The Design-Builder as an alternative to the retention of the Performance Holdbacks may propose to the Authority to provide either a clean irrevocable standby letter of credit from a financial institution in Canada in a form acceptable to the Authority, or another form of performance security acceptable to the Authority. If the Authority accepts the proposal, the Authority will upon receipt of the performance security release the Performance Holdbacks to the Design-Builder.

SECTION 44
SUBSTANTIAL COMPLETION AND TOTAL COMPLETION

44.1 The Design-Builder may make application to the Independent Certifier for the Substantial Completion Certificate at any time after it believes it has achieved Substantial Completion, as described in this Section 44 and has provided to the Independent Certifier the items as required in Section 44.2(b).

44.2 "**Substantial Completion**" means that all of the following have been achieved:

(a) the Independent Certifier has certified that substantial performance of the Work under the *Builders Lien Act* (British Columbia) has been achieved;

(b) the Facility is ready for use by the Authority or is being used by the Authority for the purpose intended, and the following items have been submitted to the Authority or completed by the Design-Builder:

(i) all equipment, mechanical and other Facility systems (including medical gas systems) are in place, commissioned, received required certifications, and are fully operational;

(ii) a complete Project Binder, provided that:

(A) the commissioning reports may be preliminary; and

(B) the inspections, certificates, guarantees and warranties, and certifications may exclude only the items of Work that remain to be completed;

(iii) up to date and current Drawings and Specifications;

(iv) maintenance and operating tools, replacement parts or products as specified in the Statement of Requirements;

(v) a clearance letter from the Workers Compensation Board indicating that all current assessments due from the Design-Builder and all Subcontractors have been paid;

(vi) a statement reconciling all Change Orders and claims under this Agreement with respect to the Work to the date of the application for Substantial Completion;

(vii) all approvals necessary for the Project from local authorities having jurisdiction;

(viii) an occupancy permit for the Facility as required from local authorities having jurisdiction;

(ix) a statutory declaration of an officer or senior management employee of the Design-Builder stating that all accounts for labour, subcontracts, materials, construction machinery and equipment and other indebtedness which may have been incurred by the Design-Builder in performing the Work and for which the Authority might in any way be held responsible have been paid in full, except for amounts properly retained as a holdback or as an identified amount in dispute;

(x) demonstration and training to the Authority's satisfaction of all mechanical and electrically operated devices and clinical operations systems to the Authority's operating and maintenance staff;

(xi) all training required by the Statement of Requirements;

(xii) the LEED Project Checklist and written opinion as required by and in accordance with Section 10.2;

(xiii) the energy modelling compliance checklist of the Energy Efficiency Program Providers, as applicable, as required by and in accordance with Section 11.3;

(xiv) the requirements of Section 35 have been fulfilled to the extent required by the Substantial Completion Date;

(xv) the requirements of the Commissioning Plan, applicable to Substantial Completion, have been met; and

(xvi) any other conditions specified in this Agreement with respect to achieving Substantial Completion;

(c) a comprehensive and detailed deficiency list, including an estimated value for each item, has been submitted to the Independent Certifier, with a copy to the Authority's Consultant, by the Design-Builder which will be supplemented by the Independent Certifier and the Authority's Consultant, acting reasonably; and

(d) a schedule for completion of all remaining Work has been submitted to the Independent Certifier, with a copy to the Authority's Consultant, by the Design-Builder and agreed to by the Independent Certifier, acting reasonably.

44.3 The Independent Certifier with input from the Authority's Consultant and the Design-Builder's Consultant will, not later than 10 days after the receipt of an application from the Design-Builder for the Substantial Completion Certificate, review and assess the Work to verify that the application and the Work conform to the requirements set out in Section 44.2 or 44.3, as the case may be. The Independent Certifier will, not later than 7 days after the review, notify the Design-Builder of approval, or the reasons for disapproval, of the application. In the event of disapproval, the Design-

Builder will rectify all matters that prevent the issuance of the Substantial Completion Certificate and the Independent Certifier will within 7 days after notice from the Design-Builder of rectification, approve or disapprove of the application, and so on, until such time as the Independent Certifier determines that Substantial Completion has been achieved. When the Independent Certifier determines that Substantial Completion has been achieved, the Independent Certifier will issue the Substantial Completion Certificate. Following the issuance of the Substantial Completion Certificate, the Independent Certifier, with input from the Design-Builder, will establish a reasonable date for work still to be satisfactorily performed or replaced as specified in the list of deficiencies and for Total Completion. The Design-Builder will be responsible for all costs of any additional reviews by the Independent Certifier after the first review that are necessary under this Section, where such additional reviews reveal that previously identified deficiencies or non-conformances to the requirements set out in Section 44.2 have not been corrected or completed in a manner satisfactory to the Independent Certifier. Such costs will be deducted from any monies then due to the Design-Builder.

44.4 The Authority may retain out of the amount due and owing to the Design-Builder upon each of Substantial Completion:

(a) any sums required by law to satisfy any liens against the Work;

(b) an amount determined by the Independent Certifier to be equal to 2 times the estimated value of the Work as determined by the Independent Certifier that is still to be satisfactorily performed or rectified or replaced to address the issues specified in the list of deficiencies

(c) any amount withheld pursuant to Section 42.5.

44.5 No payment will be made to the Design-Builder from the applicable amounts withheld under Section 44.4(b) until the completion or rectification or replacement of all the deficiencies and incomplete work specified in the deficiency list.

44.6 The Design-Builder will perform the work specified in the list of deficiencies at times and in a manner which causes as little inconvenience to the occupants of the Facility and the Authority's operations on and adjacent to the Site as is reasonably possible.

44.7 Prior to performing any work specified in the list of deficiencies, the Design-Builder will deliver to the Authority and obtain the Authority's approval of a Work Plan clearly identifying:

(a) any activity that may interfere with the Authority's operations on and adjacent to the Site, including a description of the nature, timing and extent of interference;

(b) the steps the Design-Builder intends to take to minimize the extent of such interference;

(c) the temporary measures that the Authority will be required to take to accommodate the interference;

(d) any specific reporting relationships between the Design-Builder and the staff desirable or required to coordinate the interference; and

(e) any expansion of the area of the Site for the purpose of performing the work indicated in the Work Plan,

unless the Authority, at its discretion, notifies the Design-Builder in writing that a Work Plan will not be required for particular work.

44.8 Prior to delivering a Work Plan for any work specified in the list of deficiencies, the Design-Builder will consult with the Authority and, upon reasonable request, the Authority will make appropriate staff available for such consultation to determine the Work Plan that minimizes interference with the Authority's operations. The Design-Builder will not proceed with any work specified in the list of deficiencies without:

(a) the Authority's prior written approval of a Work Plan under this Section 44, such approval not to be unreasonably withheld or delayed; or

(b) advance written notice from the Authority confirming that a Work Plan is not required.

44.9 The Design-Builder will keep the Authority fully advised of all activity and progress in implementing all Work Plans for work specified in the list of deficiencies.

44.10 The Authority may carry out, or have others carry out, the work specified in the list of deficiencies at the Design-Builder's cost if:

(a) the Design-Builder does not complete the work by the date established by the Independent Certifier in Section 44.3 and if the Authority gives notice to the Design-Builder and the Design-Builder does not complete, correct or replace the defect, deficiency or incomplete work within a reasonable time, not to exceed 14 days, unless the nature of the defect, deficiency or incomplete work is such that it cannot be completed or corrected within such time and the Authority, acting reasonably, agrees to an extension of such time; or

(b) the nature of the work is such that it creates a risk to the health or safety of any occupant or user of the Facility, or risk of damage to the Facility, the environment or any property and the Authority gives notice to the Design-Builder within a reasonable time after the commencement or completion of the rectification work.

44.11 If the Authority carries out or has others carry out the work pursuant to Section 44.7 the Design-Builder remains responsible for the work.

44.12 The Design-Builder will correct, at its own cost, or pay the Authority for any damage resulting from the work specified in the list of deficiencies.

44.13 The Design-Builder may make application to the Independent Certifier for the Total Completion Certificate at any time it believes it has achieved Total Completion as described in Section 44.14 and has provided to the Independent Certifier the items as required in Section 44.14(d).

44.14 "**Total Completion**" means that all of the following have been achieved:

(a) the entire Work has been performed to the requirements of this Agreement other than:

(i) work required to be performed under Section 38; and

(ii) achievement of the LEED credits/points and LEED Gold Certification from the LEED Certifier under Section 10;

(b) all deficiencies specified in the deficiency list(s) have been rectified or completed as verified by the Independent Certifier and the Authority's Consultant and to the Authority's satisfaction;

(c) the requirements of Section 35 have been fulfilled; and

(d) the following items have been submitted by the Design-Builder and are acceptable to the Authority:

(i) all Submittals, including certified Record Drawings in accordance with Section 45;

(ii) the final Project Binder, including final commissioning reports, final inspections (structural, environmental, etc.) and deficiency reports;

(iii) a statutory declaration of an officer or senior management employee of the Design-Builder stating that all accounts for labour, subcontracts, materials, construction machinery and equipment and other indebtedness which may have been incurred by the Design-Builder in performing the Work and for which the Authority might in any way be held responsible have been paid in full, except for amounts properly retained as a holdback or as an identified amount in dispute, dated at least 45 days after the date of substantial performance under the *Builders Lien Act* (British Columbia);

(iv) a written statement of the Design-Builder that all claims for payment for Work done under this Agreement including claims and Change Orders have been presented to the Authority;

(v) a clearance letter from the Workers' Compensation Board indicating that all current assessments due from the Design-Builder and all Subcontractors have been paid; and

(vi) certification, acceptable to the Authority, that all taxes, employment assistance payments, Canada Pension Plan contributions, duties, royalties and all other monies required to be paid by law or statute have been paid in full.

44.15 Upon receipt by the Independent Certifier of the Design-Builder's application for the Total Completion Certificate:

(a) The Independent Certifier will, subject to the conditions contained in Section 44.14, and not later than 10 days after the receipt of an application from the Design-Builder for the Total Completion Certificate, review and assess the Work to verify that the application and the Work conform to the requirements set out in Section 44.14.

(b) The Independent Certifier will, and not later than 7 days after the review contemplated in Section 44.15(a), notify the Design-Builder of approval, or the reasons for disapproval, of the application. In the event of a disapproval, the Design-Builder will rectify all matters that prevent the issuance of the Total Completion Certificate and the Independent Certifier will within 7 days after notice from the Design-Builder of rectification, review and assess the Work and approve or disapprove of the application, and so on, until such time as the Independent Certifier determines that Total Completion has been achieved.

(c) The Design-Builder will be responsible for all costs of additional reviews required for by Section 44.15(b), such costs to be deducted from the monies due to the Design-Builder, where any additional review undertaken by the Independent Certifier pursuant to this Section reveals that previously identified deficiencies have not been corrected in a manner satisfactory to the Independent Certifier.

When the Independent Certifier determines that Total Completion has been achieved, the Independent Certifier will issue the Total Completion Certificate and certify for payment the monies due to the Design-Builder under this Agreement, less any amount still retained for the Lien Holdback or the Performance Holdbacks, amounts withheld under Section 42.5 or any amount set-off in accordance with this Agreement. The date of Total Completion will be as stated in the Total Completion Certificate.

44.16 No payment made by the Authority under this Agreement, or partial or entire use or occupancy of the Work by the Authority, will constitute an acceptance of Work not in accordance with the requirements of this Agreement.

44.17 By issuing any certificate, the Authority, the Authority's Consultant and the Independent Certifier do not guarantee, or otherwise become liable or responsible in any way for, the correctness or completeness of the Work, including the Design, and no certificate makes the Authority, the Authority's Consultant or the Independent Certifier in any way responsible or liable for adequacy of the Design or for the Work, all of which remain the responsibility of the Design-Builder.

44.18 As of the date of Total Completion, the Design-Builder expressly waives and releases the Authority from all claims against the Authority, including those that might arise from the negligence or breach of this Agreement by the Authority, except those made in writing prior to the Design-Builder's application for payment upon Total Completion and still unsettled and those arising in connection with the obligations of either party to be performed after Total Completion.

44.19 In the event of conflict between the provisions of this Section 44 and any other Section of this Agreement, the provisions of this Section 44 govern.

44.20 Without limiting any other withholding or set-off under this Agreement, the Authority may deduct from any payment to the Design-Builder under this Agreement the amount paid by the Authority to put the Design-Builder into compliance with the Insurance Conditions if the Design-Builder has defaulted in complying with the Insurance Conditions.

SECTION 45
PROJECT BINDER AND RECORD DRAWINGS

45.1 The Design-Builder will prepare and provide to the Authority a set of documentation that is bound in one or more binders (the "**Project Binder**").

45.2 The Project Binder will include the following:

(a) commissioning reports satisfactory to the Authority;

(b) all inspections, certifications, guarantees and warranties;

(c) maintenance manuals and operating instructions;

(d) certification by all testing, cleaning or inspection authorities or associations;

(e) confirmation of the Design-Builder's Consultant in accordance with Section 16.3(b);

(f) copies of all warranties and guarantees from Subcontractors;

(g) copies of all shop drawing cut-sheets; and

(h) all other documentation that is reasonably required by the Authority or by any party on behalf of the Authority to operate and maintain the Facility.

45.3 The Project Binder will be updated on a monthly basis with all documentation related to Work completed up to the end of the month. The Design-Builder will provide and update 2 paper copies of the Project Binder and 1 flash drive containing a copy of the Project Binder, unless directed to use a different format by the Authority, acting reasonably.

45.4 Within 60 days after achieving each of Substantial Completion , the Design-Builder will provide to the Authority the following in respect of completed Work:

(a) Record Drawings, prepared by the Design-Builder's Consultant in the formats set out in Appendix 2A of Schedule 2 - Review Procedure; and

(b) 1 complete copy of digital pre-boarding images on a flash drive. The digital images will be 3D images viewable on a commercially available software viewer in a format acceptable to the Authority, showing every room and space in the Facility prior to covering up or boarding that room or space. Image files will be organized and cataloged using room numbers corresponding to construction document room numbers.

SECTION 46
CASH ALLOWANCES

46.1 This Section 46 applies only if cash allowances are stated in this Agreement.

46.2 The Contract Price includes cash allowances, if any, stated in this Agreement. The allowances will be expended, if at all, only as the Authority authorizes. The scope of work or costs included in such cash allowances will be as described in this Agreement.

46.3 Cash allowances cover the net cost to the Design-Builder of services (including design services), materials, products, construction machinery and equipment, freight, unloading, handling, storage, installation and other expenditures authorized by the Authority that are incurred in performing the work stipulated under the cash allowances but do not include GST payable by the Authority to the Design-Builder.

46.4 The Contract Price, and not the cash allowances, includes the Design-Builder's overhead and profit in connection with such cash allowances.

46.5 Where the actual costs expended by the Design-Builder for work under a cash allowance exceed the amount of the cash allowance, the Design-Builder will be compensated for any excess incurred and substantiated plus an amount for overhead and profit as set out in Section 49.2(b). Where the actual costs expended by the Design-Builder for work under a cash allowance is less than the amount of the cash allowance, the Authority will be credited for the unexpended portion of the cash

allowance, but not for the Design-Builder's overhead and profit on such amount. Multiple cash allowances will not be combined for the purpose of calculating the foregoing.

46.6 The Contract Price will be adjusted to provide for any difference between the amount of each cash allowance and the actual cost of the work under that cash allowance.

46.7 The value of the Work performed under a cash allowance is eligible to be included in the monthly applications for payment.

46.8 The Design-Builder and the Authority will jointly prepare a schedule that shows when the Authority, through the Authority's Consultant, must authorize the ordering of items called for under cash allowances to avoid delaying the progress of the Work.

PART E - CHANGES

SECTION 47
CHANGES

47.1 The Authority, without invalidating this Agreement, may require Changes, with the Contract Price and Contract Time adjusted in accordance with Section 48. The Authority may issue any Change Order or Change Directive, which can include a stop Work order or resume Work order, to the Design-Builder's Representative or to any other person authorized by the Design-Builder to receive a Change Order.

47.2 No Change will be made without a Change Order or Change Directive from the Authority.

47.3 The Design-Builder will not be entitled to a Change Order or Change Directive, or to any adjustments to the Contract Price or the Contract Time, for any Change for which the Design-Builder has not, prior to commencing the performance of a Change, obtained from the Authority a Change Order or Change Directive except where expressly allowed in this Agreement at Sections 29.2 and 30.2.

47.4 The Authority may, at any time, require the Design-Builder to assess the impact of a proposed Change on the Contract Price and the Contract Time and the Design-Builder will provide the Authority with such assessment within 10 days after the Authority's request or such other time as may be agreed by the Authority, acting reasonably.

SECTION 48
VALUATION AND CERTIFICATION OF CHANGES

48.1 The value of any Change will be determined by one or more of the following methods:

(a) by estimate and acceptance of a lump sum; or

(b) by unit prices or fee rates agreed upon (and which may include a maximum upset price).

48.2 The following process will be followed for Changes:

(a) where a Change is proposed or required by the Authority, the Design-Builder will promptly, and in any case within 10 days after the Change is proposed or required by the

Authority, present to the Authority its claims for any adjustment to the Contract Price or the Contract Time that arise from the Change;

(b) where the Design-Builder claims a Change in Contract Price, the Design-Builder will provide a full breakdown of labour, material and other cost information;

(c) where the Authority and Design-Builder agree to the Change, including adjustments in the Contract Price and Contract Time, or to the method to be used to determine the adjustments, such Change will be effective when recorded in a Change Order; and

(d) the value of the Work performed as the result of a Change Order will be included in payment applications.

48.3 In the case of Changes to be paid for under Section 48.2(c), the form of presentation of costs and methods of measurement will be agreed to by the Authority and the Design-Builder before proceeding with the Change. The Design-Builder will keep accurate records of quantities or costs as agreed upon and will present an account of the costs of the Change, together with vouchers where applicable, at least once each month during performance of the Change, and will present a final account upon completion of the Change.

48.4 If the methods of valuation, measurement and value of any Change or any adjustment to the Contract Time cannot be promptly agreed upon, and in any case within 10 days after the proposed Change, and the Change is required by the Authority in writing to be proceeded with, then the Change will be performed by the Design-Builder and the value of the Change and adjustment to the Contract Time will be determined in accordance with the Dispute resolution process described in Section 63 by determining the cost of the Change in accordance with the Section 49 (other than Sections 49.1 and 49.4) and by determining the adjustment of the Contract Time as a reasonable time taking into account the critical path.

48.5 It is intended in all matters involving Changes that both the Authority and the Design-Builder will act promptly and in accordance with the times set out in this Section 48.

SECTION 49
DETERMINATION OF COST

49.1 Subject to Section 49.2 whenever it is necessary for the purposes of this Agreement to determine the cost of a Change, the cost will be the amount agreed upon by the Design-Builder and the Authority within a reasonable time after the issue arises in any given instance.

49.2 If the Design-Builder and the Authority cannot agree as to the cost of the Change as contemplated in Section 49.1, the sole cost to which the Design-Builder will be entitled for the Change will be equal to the aggregate of:

(a) all reasonable and proper amounts actually expended by or legally payable by the Design-Builder in respect of the labour, equipment or material (supported by invoices, purchase orders, timesheets and other customary industry documentation) that are directly attributable to the subject matter of the Change and that are within one of the classes of expenditures described in Section 49.3; plus

(b) to cover other costs, including overhead and profit, the following applicable markup on the amounts charged pursuant to Section 49.2(a):

(i) 5%, when the expenditure is a payment to a Subcontractor pursuant to Section 49.3(a); or

(ii) 10% when the Design-Builder performed the Change.

49.3 Classes of incremental expenditure that are allowable for the Work that is the subject matter of the Change (all without additional markups except as otherwise noted in Section 49) for the purposes of Section 49.2 are:

(a) payments to Subcontractors, including a maximum aggregate markup of 10% on the direct labour, equipment and material costs of the Subcontractors who directly perform the Work;

(b) wages, salaries and reasonable living and traveling expenses of employees of the Design-Builder while they are actually and properly engaged on the Work, other than wages, salaries, bonuses, reasonable living and travelling expenses of personnel of the Design-Builder generally employed at the head office, or at a general office, of the Design-Builder unless such personnel is engaged at the site of the Work, with the approval of the Authority;

(c) payments for materials necessary for and incorporated in the Work or necessary for and consumed in the performance of the Work;

(d) payment for equipment necessary for and incorporated in the Work;

(e) payments for tools, other than tools customarily provided by tradespersons, necessary for and used in the performance of the Work;

(f) payments for preparation, inspection, delivery, installation, commissioning and removal of equipment and materials necessary for the performance of the Work;

(g) assessments payable under any statutory scheme relating to workers compensation, unemployment insurance or holidays with pay;

(h) payments for renting equipment (but not tools) and allowances for equipment (but not tools) owned by the Design-Builder, necessary for the performance of the Work, provided that such payments or allowances are reasonable or have been agreed to by the Design-Builder and the Authority; and

(i) other payments, made with the prior approval of the Authority, that are necessary for the performance of the Work, as determined by the Authority.

49.4 If the Design-Builder and the Authority cannot agree as to the cost of labour, equipment or material as contemplated in Section 49.1, and the Authority considers that a Change or series of related Changes may exceed $100,000, the Authority may require the Design-Builder, and the Design-Builder will, obtain a minimum of 3 competitive quotations or tenders for all or any part of such Change or Changes as directed by the Authority.

49.5 The applicable markup set out in this Section 49 will apply to any credit to the Authority for reductions in the costs relating to a Change. For greater certainty, the amount of any credit to the

Authority will be calculated as such reduction in costs relating to a Change plus the applicable markup. Where both increases and reductions in costs relate to a Change, the applicable markup will apply to the net increase or reduction in costs.

SECTION 50
CHANGE DIRECTIVE

50.1 The Authority may issue a Change Directive to the Design-Builder directing the Design-Builder to proceed with a Change. The Design-Builder will proceed with the Change and the valuation and adjustments to the Contract Price and the Contract Time will be made as soon as reasonably possible after the implementation of the Change in the same manner as a Change for which a Change Order would be issued under this Agreement.

50.2 The Authority may issue Change Directives at any time, including prior to commencing the process for a Change Order or if there is a Dispute in relation to a Change or Change Order (including a Dispute as to whether there is a Change).

PART F - DELAYS

SECTION 51
DELAYS

51.1 If the Design-Builder is delayed in performing the Work as a direct result of a failure of the Authority to provide access to the Site, or a material breach by the Authority of the terms of this Agreement or by an order issued by any court or public authority having jurisdiction (providing such order was not issued as the result of any act or fault of the Design-Builder or a Subcontractor), or the events referred to in Sections 28.4, 29.2 or 30.3, then:

(a) the Contract Time will be extended for such reasonable time, taking into account the critical path as agreed by the Authority and the Design-Builder, acting reasonably, and the Design-Builder will be reimbursed for any costs directly incurred by it as the result of such delay, determined in accordance with Section 49; or

(b) if the Authority determines that the Target Substantial Completion Date can still be met and requests in writing that the Design-Builder accelerate the Work, the Design-Builder will accelerate its efforts to meet the Target Substantial Completion Date as directed by the Authority. The Design-Builder will be reimbursed for all reasonable and direct costs plus the markup set out in Section 49.2(b) incurred by it as a result of undertaking such acceleration efforts.

51.2 If the Design-Builder is delayed in performing the Work by an event of Force Majeure then:

(a) the Contract Time will be extended for such reasonable time taking into account the critical path, as agreed by the Authority, and the Design-Builder acting reasonably; or

(b) if the Authority determines that the Target Substantial Completion Date can still be met and requests in writing that the Design-Builder accelerate the Work, the Design-Builder will accelerate its efforts to meet the Target Substantial Completion Date as directed by the Authority. The Design-Builder will be reimbursed for all reasonable and direct costs plus the markup set out in Section 49.2(b) incurred by it as a result of undertaking such acceleration efforts.

Except as provided in Section 51.2(b) for acceleration of the Work required by the Authority, the Design-Builder will not be entitled to any costs incurred in relation to the Force Majeure or delays arising from the Force Majeure.

51.3 If the Design-Builder is delayed in the performance of the Work for any reason other than that for which an extension of time is permitted under this Section 51 or if the Design-Builder does not perform the Work substantially in accordance with the Time Schedule to meet the Target Substantial Completion Date, the Design-Builder will at its cost accelerate the Work to meet the Target Substantial Completion Date.

51.4 The Design-Builder is not entitled to any extension of time or any reimbursement of costs for delay under this Section 51 unless written notice is given to the Authority not later than 7 days after the date that the Design-Builder becomes aware of the event causing the delay. In the case of a continuing cause of delay only one notice is necessary. The notice will include the reason for the delay, the justification under this Agreement for the claim and an estimated value for the claim including all impacts of the delay and all steps taken or reasonably available to mitigate the delay and impact. The Design-Builder will provide a full, detailed, and organized account of the delay and amount claimed, including any supporting information or documentation, as required by the Authority, the Authority's Consultant or the Independent Certifier, before any delays or impacts will be considered. The information and documentation must be presented promptly to the Authority, and in any event, no later than 30 days or such later date as the parties may agree, after the date on which the Design-Builder delivered notice, and in the event of a continuing delay such information and documentation must be updated every 30 days. No such account or update will be deemed to extend the time for delivery of notice, or revive a claim that has been waived. The Design-Builder waives any claim for extension of Contract Time or adjustment to the Contract Price, or any other compensation, expenses, loss or damages incurred as the result of a delay unless the Design-Builder provides such notice of the delay within the time period specified and provides the account of the delay and amount claimed and all required updates within the time periods specified.

51.5 In the case of any delay under Section 51.1 or Section 51.2 the Design-Builder will use all reasonable efforts to mitigate the costs and impacts of the delay including removing the cause of the delay as promptly as practicable such that the Time Schedule is maintained and that acceleration efforts, if requested by the Authority, are minimized.

PART G – SUSPENSION AND TERMINATION

SECTION 52
NON-DEFAULT SUSPENSION/TERMINATION

52.1 Notwithstanding that the Design-Builder may not be in default of the terms of this Agreement, if conditions arise which in the Authority's reasonable opinion make it necessary, the Authority may suspend performance of the Work or terminate this Agreement by giving 5 days' written notice to that effect to the Design-Builder and the suspension or termination is effective in the manner specified in the notice.

52.2 Without limiting Section 52.1, the Authority may, if it determines that there is an emergency, by notice to the Design-Builder, do either or both of the following:

(a) suspend the Work whenever in its opinion such suspension may be necessary to ensure the safety or life of others or of the Work or neighbouring property; or

(b) make Changes, and order, assess and award the cost of such Changes that are extra to the Contract Price in accordance with Section 48 and Section 49 as determined to be necessary.

52.3 The Authority will within 2 Business Days after a Change under Section 52.2(b) confirm in writing any Change instructions and if a Change has been performed by order of the Authority, the Design-Builder retains its right to claim the value of such Change.

52.4 The Design-Builder upon receiving notice of suspension or termination from the Authority will immediately suspend all operations except those, which, in the Design-Builder's reasonable opinion, are necessary to ensure the safety of personnel and the public or for the care and preservation of the Work and materials. Subject to any directions in the notice of suspension or termination, the Design-Builder will discontinue ordering materials, will not enter into any further Subcontracts (except such Subcontracts as are necessary for the safety of personnel or for the care and preservation of the Work) and will make every reasonable effort in the event of termination to cancel existing Subcontracts and orders on the best terms available.

52.5 During the period of suspension the Design-Builder will not remove from the Site any of the Work, or any material, without the prior written consent of the Authority.

52.6 If the period of suspension is 30 days or less, the Design-Builder, upon the expiration of the period of suspension, will resume the performance of the Work and will be paid for all costs reasonably incurred by the Design-Builder in complying with the suspension, determined in accordance with Section 49 and for costs reasonably incurred for acceleration of the Work so that Substantial Completion is achieved by the Target Substantial Completion Date where the Authority requires such acceleration by written notice to the Design-Builder. If the Authority does not require the acceleration of the Work, or if it is not possible for the Design-Builder, using all reasonable efforts, to achieve Substantial Completion by the Target Substantial Completion Date despite an intended acceleration of the Work, the Authority and the Design-Builder will, acting reasonably, agree on a new Target Substantial Completion Date

52.7 If the period of suspension is greater than 30 days and, before 120 days after the date of the notice of suspension, the Authority and the Design-Builder agree to continue with and complete the Work, the Design-Builder will resume operations and complete the Work in accordance with any terms and conditions agreed upon by the Authority and the Design-Builder and the Design-Builder will be paid for all costs reasonably incurred by the Design-Builder in complying with the suspension, determined in accordance with Section 49.

52.8 If the period of suspension is greater than 30 days and the Authority and the Design-Builder do not agree to continue with and complete the Work, or they fail to agree on the terms and conditions upon which the Design-Builder is to resume operations and complete the Work, before 120 days after the date of the notice of suspension, this Agreement will be deemed to have been terminated.

52.9 If this Agreement is terminated pursuant to this Section 52:

(a) the Authority will pay the Design-Builder:

(i) in accordance with this Agreement, for all Work performed and for all of the Design-Builder's obligations under Subcontracts that it was unable to cancel, or asked by the Authority not to cancel, less any payments made by the Authority prior to termination; and

(ii) all costs reasonably incurred by the Design-Builder in complying with the suspension or termination order, determined in accordance with Section 49, less any costs already paid to the Design-Builder pursuant to Section 52.6; and

(b) the Authority will be entitled to:

(i) take possession of the Work or any part of the Work;

(ii) take possession of the Drawings and Specifications and make use of them in accordance with the rights granted under this Agreement; and

(iii) finish the Work or any part of the Work by whatever reasonable method the Authority may consider expedient.

52.10 The Design-Builder's obligations as to quality, correction and warranty of any portion of the Work performed prior to termination continue in force after termination under this Section 52.

52.11 The Design-Builder, by giving written notice to the Authority, may suspend performance of the Work to the extent the Work is stopped for a period in excess of 30 days by an order of any court or public authority having jurisdiction through no act or fault of the Design-Builder, its Subcontractors or for anyone whose acts the Design-Builder may be held liable.

SECTION 53
DEFAULT AND TERMINATION OF AGREEMENT

53.1 The Authority may give written notice to the Design-Builder of default under this Agreement if the Design-Builder:

(a) is adjudged bankrupt, makes a general assignment for the benefit of creditors, or a receiver is appointed on account of its insolvency, or fails to make payment to creditors when payment is due;

(b) abandons the Work;

(c) breaches a material term of this Agreement;

(d) makes a material misrepresentation of a representation or warranty set out in this Agreement;

(e) has delivered a statutory declaration in support of application for a payment under this Agreement that was false or materially inaccurate; or

(f) has made an assignment of this Agreement without the required consent of the Authority.

53.2 If a default referred to in Section 53.1 occurs, other than a default referred to in Section 53.1(a) or 53.1(b), the Design-Builder will remedy the default within a 7 day rectification period after the notice given under Section 53.1. If the nature of such default is that it cannot be remedied within such 7 day period, the Design-Builder will within such 7 day period provide the Authority with a schedule acceptable to the Authority for remedying the default and the Design-Builder will remedy the default in accordance with that schedule.

53.3 If a default referred to in Section 53.1(a) or 53.1(b) occurs or if the Design-Builder fails to remedy any other default within the rectification period described in Section 53.2 or in accordance with the schedule acceptable to the Authority, the Authority may without prejudice to any other right or remedy exercise any or all of the following:

(a) suspend all or part of the Work;

(b) terminate the Design-Builder's right to continue with the Work in whole or in part;

(c) remedy the default and deduct the cost thereof from any payment then or thereafter due to the Design-Builder; and

(d) terminate this Agreement.

53.4 If the Authority terminates the Design-Builder's right to continue with all or part of the Work or terminates this Agreement pursuant to Section 53.3, the Authority will be entitled to:

(a) take possession of the Work or any part of the Work;

(b) take possession of the Drawings and Specifications and make use of them in accordance with the rights granted under this Agreement;

(c) use construction machinery and equipment, subject to the rights of third parties;

(d) finish the Work or any part of the Work by whatever reasonable method the Authority may consider expedient;

(e) charge the Design-Builder the amount by which the full cost of finishing the Work and a reasonable allowance to cover the cost of corrections to Work performed by the Design-Builder that may be required under Section 38 exceeds the unpaid balance of the Contract Price; and

(f) on expiry of the Warranty Period, charge the Design-Builder the amount by which the cost of corrections to Work under Section 38 exceeds the allowance provided for such corrections, or reimburse the Design-Builder with the portion of the allowance unspent on the cost of corrections to the Work under Section 38 as applicable.

53.5 The termination of the right to continue with part of the Work does not relieve or discharge the Design-Builder from any obligations under this Agreement, except the obligation to perform the part of the Work removed from the Design-Builder.

53.6 The rights, powers and remedies conferred on the Authority under this Agreement are not intended to be exclusive but are cumulative, are in addition to, do not limit and are not in substitution for any other right, power and remedy existing under this Agreement, under any other agreement, at law or in equity. The exercise by the Authority of any right, power or remedy does not preclude the simultaneous or later exercise by the Authority of any other right, power or remedy.

SECTION 54
TERMINATION BY THE DESIGN-BUILDER

54.1 The Design-Builder may by giving written notice to the Authority declare the Authority in default of this Agreement for any of the following reasons:

(a) the Authority has failed to pay the Design-Builder within 45 days of the date that any payment becomes due to the Design-Builder in accordance with the terms of this Agreement, unless the Authority is bona fide disputing liability to make such payment and has provided notice to the Design-Builder of the basis for its dispute before the time provided in Section 40.10 for payment of invoices;

(b) the Authority has failed to substantially supply the Site to the Design-Builder, subject to any property availability restrictions identified in this Agreement, within 180 days following the Site Occupation Date; or

(c) substantially all of the Work is stopped by an order of any court or public authority having jurisdiction (providing that such order was not issued as the result of any act or fault of the Design-Builder or a Subcontractor) for a period of 90 days.

54.2 If a default referred to in Section 54.1 occurs, the Authority will remedy the default within a 21 day rectification period after the notice given under Section 54.1 or within such extension thereof established by the Design-Builder.

54.3 If the Authority fails to remedy the default within the rectification period described in Section 54.2 or any extension thereof established in accordance with that Section, the Design-Builder may exercise any or all of the following:

(a) waive the default;

(b) further extend the rectification period;

(c) suspend the Work; and

(d) terminate this Agreement.

54.4 If the Design-Builder terminates this Agreement in accordance with Section 54.3(d), the Design-Builder is entitled to be paid:

(a) in accordance with the terms of this Agreement for all Work satisfactorily performed to the date of termination; and

(b) expenses of the Design-Builder that are directly related to the termination and reasonable in the circumstances including the Design-Builder's obligations to other parties.

PART H – REPRESENTATIONS AND WARRANTIES

SECTION 55
REPRESENTATIONS AND WARRANTIES

55.1 The Design-Builder represents and warrants to the Authority:

(a) as of the Effective Date that:

(i) all necessary proceedings have been taken to authorize the Design-Builder to enter into this Agreement and to execute and deliver this Agreement;

(ii) this Agreement has been properly executed by an authorized signatory of the Design-Builder and is enforceable against the Design-Builder in accordance with its terms;

(iii) the Design-Builder has had sufficient time, opportunity and resources to investigate and has investigated and satisfied itself of every condition and risk relating to, affecting or that may affect the Project and the Work, or either of them, including the Site conditions, and the labour, equipment, material and other resources that may be necessary for the performance of the Work in a manner that will meet or exceed all requirements of this Agreement;

(iv) the Design-Builder's investigations and assessments described in Section 55.1(a)(iii), including of the Site conditions (such conditions including for greater certainty geotechnical conditions, subsurface conditions, bearing pressure, settlement characteristics and nature and consistency of soil), and any conclusions reached in such investigations and assessments, including any conclusions as to the effect, if any, on the Design, Construction, Substantial Completion Date and Contract Price, (or any of them), except for objective geotechnical information that can be relied upon for accuracy but not interpretation, sufficiency or relevance, are based on the Design-Builder's own experience, examination, knowledge, information, interpretation, assessment, analysis and judgment and not upon any statement, representation or information, whether oral or written, made, produced or provided by, through or on behalf of the Authority or its advisors;

(v) subject to Section 28.1 in respect of the accuracy of objective geotechnical data identified in Section 28.1(c), the Design-Builder acknowledges that the investigations made by the Authority of the conditions of the Site, including subsurface conditions, are of a preliminary nature and are made for the purpose of study and preliminary design for the sole benefit of the Authority only except for objective geotechnical data that can be relied upon by the Design-Builder for accuracy but not interpretation, sufficiency or relevance;

(vi) the Design-Builder has no knowledge of any fact that materially adversely affects or, so far as it can foresee, might materially adversely affect either its financial condition or its ability to fulfill its obligations under this Agreement;

(vii) there is no bona fide proceeding pending or threatened against the Design-Builder, which would, if successful, materially adversely affect the ability of the Design-Builder to fulfill its obligations under this Agreement; and

(viii) the Design-Builder acknowledges that it has the responsibility for informing itself of all aspects of the Project and all information necessary to perform the Work; and

(b) as of the Effective Date (to the extent applicable as of the Effective Date) and at all times throughout the Term that:

(i) the Design-Builder has filed all tax, corporate information and other returns required to be filed by all applicable Laws, has complied with all workers' compensation legislation and other similar legislation to which it is subject, and has paid all taxes, fees and assessments due by the Design-Builder under those laws as of the Effective Date, except for Lien Holdback monies properly retained, payments deferred by agreement and accounts withheld by reason of legitimate dispute;

(ii) the Design-Builder holds all permits, licences, consents and authorities issued by any level of government, or any agency of any level of government, that are required by all applicable Laws to perform the Work;

(iii) the Design-Builder has paid, as they became due, all accounts, expenses, wages, salaries, taxes, rates, fees and assessments required to be paid by it in respect of the Work and fulfillment of its obligations under this Agreement;

(iv) the Design-Builder is not in breach of any Law that is material to performance of the Design-Builder's obligations under this Agreement;

(v) the Key Individuals or any substitute with equivalent qualifications proposed by the Design-Builder who have first been expressly accepted in writing by the Authority will be available and fully involved in the performance of the Work; and

(vi) the Design-Builder is registered for the purposes of the GST.

55.2 The Authority represents and warrants to the Design-Builder as of the Effective Date that:

(a) it has been properly constituted pursuant to applicable legislation;

(b) it has been properly authorized to fulfill the obligations of the Authority under this Agreement; and

(c) it has the power, capacity and authority to enter into this Agreement and to carry out its obligations under this Agreement.

PART I – PROTECTION AND INDEMNITY

SECTION 56
PROTECTION OF WORK AND PROPERTY

56.1 The Design-Builder will protect the Work, the Site and property adjacent to the Site from damage that may arise as the result of the Design-Builder's operations under this Agreement, and will be responsible for such damage, except damage that occurs as the result of actions of the Authority, its agents, employees or Other Contractors.

56.2 Should any damage occur to the Work, the Site and property adjacent to the Site for which the Design-Builder is responsible as provided in Section 56.1, the Design-Builder will make good such damage at its own expense or pay all costs incurred by the Authority or others in making good such damage.

56.3 Should any damage occur to the Work, the Site and property adjacent to the Site for which the Design-Builder is not responsible as provided in Section 56.1, the Design-Builder will at the Authority's direction and expense make good such damage. The Contract Price and Contract Time will be adjusted in accordance with Section 48 and Section 49.

SECTION 57
EXCLUSIONS OF LIABILITY

57.1 Neither the Design-Builder nor the Authority will be liable to the other for any consequential or indirect damages in connection with this Agreement, whether based in contract, tort (including negligence), strict liability or otherwise and including loss of use, loss of revenues or profits and loss of opportunity. This Section 57.1 will not limit any liability the Design-Builder may have under this Agreement to pay liquidated damages.

57.2 Subject to Section 57.3 the maximum amount of the total aggregate liability of the Design-Builder to the Authority in connection with this Agreement, whether based in contract, tort (including negligence), strict liability or otherwise, is:

(a) in respect of a loss by the Indemnified Parties for which insurance is to be provided by the Authority under Section 1 or Section 3 of Schedule 3 - Insurance Conditions, the applicable limit or sub-limit of the Wrap-up Liability coverage or the Course of Construction coverage, whichever is applicable to the loss, with such limit or sub-limit calculated without reduction for the amount of any deductible; or

(b) in respect of any liability other than a loss referred to in Section 57.2(a) above, 50% of the Contract Price.

If this Agreement is terminated, the reference in this Section 57.2 to the "**Contract Price**" will be deemed only for purposes of this Section 57.2 to be the amount to which the Design-Builder would have been entitled if the Design-Builder had properly performed and completed the Work and this Agreement had not been terminated.

57.3 Section 57.2 will not limit the Design-Builder's liability in connection with:

(a) fraud, gross negligence or wilful, fraudulent or criminal misconduct;

(b) bodily injury, sickness, disease or death;

(c) liability to third parties in respect of tangible personal or real property;

(d) breach by the Design-Builder of its obligations of confidentiality under this Agreement; and

(e) penalties, fines or other liability imposed by a governmental authority, an administrative tribunal or a court of competent jurisdiction for breach of applicable Law.

57.4 Nothing in this Section 57 will be construed to limit the liability of an insurer under the insurance required to be maintained under this Agreement.

SECTION 58
INDEMNIFICATION

58.1 The Design-Builder will indemnify and save harmless the Authority and its officers, employees, representatives, consultants and agents including the Authority's Representative (collectively the "**Indemnified Parties**") from and against any and all losses, claims, damages, actions, causes of action, costs and expenses (including actual legal and other professional fees and disbursements) that any of the Indemnified Parties may sustain, incur, suffer or be put to at any time either before or after the expiration or termination of this Agreement, where the same or any of them are based upon, arise out of or occur, directly or indirectly, by reason of any act or omission of the Design-Builder or of any representative, agent, employee, officer, director, consultant of the Design-Builder or of any Subcontractor, excepting only liability to the extent arising out of the independent acts of the Indemnified Parties.

58.2 The obligations of the Design-Builder under Section 58 will not be affected by completion or termination of this Agreement, whether for default or otherwise, or suspension of the Work or any withdrawal of services or labour from the Project.

58.3 Neither the requirement of the Design-Builder to purchase and maintain insurance as described in the Insurance Conditions nor the acceptance of evidence of such insurance by the Authority will, in any manner, limit or qualify the right of the Authority to make a claim and recover insurance proceeds under the insurance policies described in the Insurance Conditions or the liability and obligations otherwise assumed by the Design-Builder under this Agreement.

SECTION 59
DESIGN-BUILDER'S DISCHARGE OF LIABILITY

59.1 The Design-Builder will discharge all liabilities incurred by it, including for labour, equipment, materials or services used or reasonably required for use, in the performance of this Agreement, on or before the date each becomes due. In the case of bona fide disputed payments, the Design-Builder will discharge such liabilities when legally obliged to do so.

59.2 The Design-Builder will include as a condition of every Subcontract that the Subcontractor discharge all liabilities incurred by it, including for labour, equipment, materials, supplies or services used or reasonably required for use, in the performance of the Subcontract, on or before the date upon which each becomes due. In the case of bona fide disputed payments, the Design-Builder will or will cause the Subcontractor to discharge such liabilities when legally obliged to do so.

59.3 The Design-Builder will furnish the Authority with satisfactory evidence that its liabilities and those of Subcontractors have been discharged, such satisfactory evidence to be a statutory declaration in the form of CCDC 9A sworn by a knowledgeable officer or senior management employee of the Design-Builder or Subcontractor, as the case may be, or such other evidence as the Authority may require.

59.4 With the exception of any claim of builder's lien, builder's liens or certificates of pending litigation that arise due to an improper non-payment by the Authority, the Design-Builder will not directly or indirectly create, incur, assume or allow to be created by any of its Subcontractors or workers

any lien, charge or encumbrance on the Site, Project or any part thereof or interest therein. The Design-Builder will immediately notify the Authority of any lien, charge or encumbrance asserted upon the Site, Project or any part thereof.

PART J – SECURITY, RECORDS, REPORTS AND AUDIT

SECTION 60
BONDS

60.1 Before commencing the Work, the Design-Builder will purchase and deliver to the Authority an executed performance bond and an executed labour and materials payment bond (the "**Bonds**"). The form of the Bonds will be in accordance with the latest edition of the CCDC approved bond form or in substantially equivalent form acceptable to the Authority.

60.2 Each Bond under Section 60.1 will be in the amount of 50% of the Contract Price and will be issued by a surety licensed to transact the business of a surety in British Columbia and acceptable to the Authority, acting reasonably.

60.3 Upon entering into a Subcontract with a Subcontractor, the Design-Builder will advise the Subcontractor that a labour and materials payment Bond is in effect and will supply a copy of that Bond to the Subcontractor on request.

60.4 The Design-Builder will pay for and maintain the Bonds in force during the Term.

60.5 If the surety notifies either party that the Bonds are or are going to be terminated or cancelled for any reason whatsoever, the Design-Builder will obtain and provide the Authority with valid bonds effective from the date of termination or cancellation of the original bonds that comply with the bonding requirements of this Agreement.

60.6 The Design-Builder will, if required by the surety, obtain the written consent of the surety to any Change and will upon request by the Authority provide confirmation from the surety of such consent or confirmation from the surety that such consent is not required.

60.7 For greater certainty, the amount of the Bonds and any claim under the Bonds will not limit the Authority from seeking additional claims, damages, or remedies the Authority may be entitled to by reason of the Design-Builder's failure to successfully complete the Agreement in accordance with its terms and conditions.

SECTION 61
INSURANCE

61.1 The Authority and the Design-Builder will obtain and maintain during the Term the insurance specified for each of them under the Insurance Conditions, and will otherwise comply with the Insurance Conditions.

61.2 Before beginning the Work, the Design-Builder will deliver to the Authority certified copies of all insurance coverage obtained by the Design-Builder in accordance with the Insurance Conditions, or such other proof of that insurance as is satisfactory to the Authority, acting reasonably.

SECTION 62
RECORDS AND AUDIT

62.1 The Design-Builder will, in connection with this Agreement retain for a minimum of 6 years after the expiry of the Warranty Period all records, reports, and other documentation required under this Agreement and the following records, reports and other documentation relating to the Project whether or not required under other provisions of this Agreement:

(a) all documents relating to permits;

(b) all notices, reports, results and certificates relating to completion of the Design and Construction and completion of all commissioning activities;

(c) all records relating to any inspections of the Facility conducted under applicable Laws or by or of any governmental authority;

(d) all orders or other requirements issued to the Design-Builder by any governmental authority in connection with the Work;

(e) all documents relating to applications for payment, Changes or delay or other claims by the Design-Builder.

The Design-Builder will permit the Authority and its consultants and representatives and the Independent Certifier to inspect and copy any or all such records, reports and other documentation.

62.2 Without limiting the other provisions of this Agreement, the Design-Builder will provide to the Authority and its consultants and representatives and the Independent Certifier all records, reports and other documentation reasonably required by the Authority to support any applications for payment, Changes or delay or other claims by the Design-Builder.

62.3 The Authority and its consultants and representatives and the Independent Certifier may on request, and acting reasonably, audit all books and records of the Design-Builder that relate to any applications for payment, Changes or delay or Disputes or other claims by the Design-Builder.

62.4 The Design-Builder will fully cooperate with the Authority to conduct an audit pursuant to this Section 62.

PART K – DISPUTE RESOLUTION

SECTION 63
DISPUTE RESOLUTION

63.1 All Disputes will be resolved in accordance with the Dispute resolution process set out in this Section 63.

63.2 The Dispute resolution process set out in this Section 63 may be commenced by either party by giving notice to the other party briefly setting out the pertinent facts, the remedy or relief sought and the grounds on which such remedy or relief is sought.

63.3 Within 7 days of a notice under Section 63.2, the Design-Builder's Representative and the Authority's Representative will:

(a) make bona fide efforts to resolve any Dispute arising between them by amicable negotiations; and

(b) provide frank, candid and timely disclosure of all relevant facts, information and documents, including full written particulars of the nature, entitlement and magnitude of any Dispute including the relevant provisions of this Agreement.

63.4 If the Authority's Representative and the Design-Builder's Representative fail to resolve the Dispute within 10 days after receipt of the notice pursuant to Section 63.3, the parties will refer the Dispute and all information to a nominated senior officer of the Authority and a nominated senior officer of the Design-Builder for resolution.

63.5 If the nominated senior officer of the Authority and the nominated senior officer of the Design-Builder fail to resolve the Dispute within 10 days after the Dispute has been referred to them, unless otherwise agreed in writing by the parties, either party may refer the Dispute to the Authority's Consultant by notice in writing to both the Authority's Consultant and to the other party. The Authority will require the Authority's Consultant to give a decision in writing and within a reasonable period of time. Both parties reserve their rights to dispute the decision of the Authority's Consultant.

63.6 Where either or both parties dispute the Authority's Consultant's decision made pursuant to Section 63.5, the parties will abide by the Authority's Consultant's decision until such time as the Dispute is finally resolved under the other provisions of this Section 63.

63.7 If either party disputes the Authority's Consultant's decision made pursuant to Section 63.5, or if the Authority's Consultant's decision is not made within a reasonable period of time, either party may elect to give notice of its intention to submit the Dispute to binding arbitration. If within 10 days of such notice the other party does not give a notice of objection to arbitration, the Dispute will be resolved by arbitration. The Dispute will be referred to a single arbitrator and finally resolved by binding arbitration under the rules of the British Columbia International Commercial Arbitration Centre. The arbitrator will be chosen by mutual agreement between the Design-Builder and the Authority. If an arbitrator has not been appointed within 14 days of the date that the Dispute has been referred to an arbitrator, the arbitrator will be appointed by the British Columbia International Commercial Arbitration Centre.

63.8 Prior to receiving a notice of intention to submit a Dispute to binding arbitration or after giving a notice of objection to arbitration in accordance with Section 63.7 a party may commence proceedings in respect of the Dispute in the courts of British Columbia and serve the other party as required in respect of such proceedings.

63.9 Any of the times specified in this Section 63 may be varied by mutual agreement between the Design-Builder's Representative and the Authority's Representative.

63.10 Pursuit of the resolution of a Dispute under any part of this Section 63 does not relieve either party of its responsibility to ensure timely performance of its obligations under this Agreement. In relation to all Disputes, whether or not a notice under Section 63.2 has been given, the Design-Builder will diligently proceed with the Work and closely track all costs and impacts associated with the Dispute and may reserve its rights concerning the Dispute.

PART L – GENERAL PROVISIONS

SECTION 64
LAWS, NOTICE, PERMITS AND FEES

64.1 The Design-Builder will perform the Work in accordance with all applicable Laws and Standards and will comply with all Laws and Standards that may affect or relate to the Work.

64.2 The Design-Builder will apply for, pay for and obtain the development permit, the building permit, the occupancy permit and all other permits, licences and approvals required for the performance of the Work. When requested to do so by the Design-Builder, the Authority may at its discretion provide reasonable assistance to the Design-Builder in obtaining permits, licences, and approval required for the performance of the Work but, in no circumstance will the Authority be required to incur any costs or make any payments pursuant to this Section.

64.3 All applicable Laws in force in British Columbia, as amended from time to time, govern the Work.

64.4 Except as otherwise provided in this Agreement, if after:

(a) the Financial Submission Date a COVID-19 Change in Law comes into effect;

(b) the Financial Submission Date an Epidemic Change in Law comes into effect; or

(c) the Effective Date a change to applicable Laws or Standards comes into effect,

either party will be entitled to make a claim for an adjustment in the Contract Price and the Contract Time as a Change.

SECTION 65
INTELLECTUAL PROPERTY FEES

65.1 The Design-Builder will obtain and pay for all intellectual property rights (including of any patent, copyright, industrial design, trademark or trade secret) all royalties and licence fees required for the performance of the Work and will, without limiting Section 58, indemnify and hold the Authority harmless from and against all claims, demands, losses, costs, damages, actions, suits or proceedings arising out of the Design-Builder's performance of the Work under this Agreement that are attributable to infringement or an alleged infringement of any intellectual property right by the Design-Builder or its Subcontractors or anyone for whose acts the Design-Builder may be liable.

SECTION 66
CONFIDENTIALITY AND COMMUNICATIONS

66.1 Subject to Section 66.2, each party will hold in confidence any Confidential Information received from the other party, except that this Section 66 will not restrict:

(a) the Design-Builder from disclosing or granting access to such information to its professional advisers and consultants, to the extent necessary, to enable it to perform (or to cause to be performed) or to enforce its rights or obligations under this Agreement and provided further that the Design-Builder may, subject to obtaining confidentiality restrictions similar to those set out in this Agreement, provide to a Subcontractor and its

advisors, or provide or cause to be provided to other third parties, Confidential Information which is necessary to enable the Design-Builder to perform (or to cause to be performed) its obligations under this Agreement; and

(b) the Authority from disclosing or granting access to such information to any provincial ministry, Infrastructure British Columbia Inc. and any other governmental authority which require the information in relation to the Project.

66.2 Subject to any restrictions on the Confidential Information which are imposed by a third party that may own any Confidential Information, the obligation to maintain the confidentiality of the Confidential Information does not apply to:

(a) Confidential Information which the party that disclosed the Confidential Information confirms in writing is not required to be treated as Confidential Information;

(b) Confidential Information which is or comes into the public domain otherwise than through any disclosure prohibited by this Agreement;

(c) Confidential Information to the extent any person is required to disclose such Confidential Information by Law, including a disclosure required under FIPPA;

(d) Confidential Information to the extent consistent with any Authority's policy concerning the Authority's Confidential Information, the details of which have been provided to the Design-Builder in writing prior to the disclosure; or

(e) the material referred to in Section 18.5 and any Confidential Information that the Authority is entitled to receive from the Design-Builder pursuant to this Agreement.

66.3 Without prejudice to any other rights and remedies that the other party may have, each of the parties agrees that damages may not be an adequate remedy for a breach of Section 66.1 and that the other party will, in such case, be entitled to the remedies of injunction, specific performance or other equitable relief for any threatened or actual breach of Section 66.1 subject, in the case of a claim for any such remedy against the Authority, to the provisions of the *Crown Proceeding Act* (British Columbia).

66.4 Unless required by any Law, neither party will make or permit to be made any public announcement or disclosure whether for publication in the press, radio, television or any other medium of any Confidential Information, without the consent of the other party (which will not be unreasonably withheld or delayed).

66.5 Except to the extent required for compliance with any applicable securities laws, the Design-Builder will not make any public announcement relating to the Project or this Agreement without the prior written consent of the Authority. The Design-Builder, with the prior written consent of the Authority, may include the Project in its promotional materials.

66.6 The Design-Builder acknowledges that the Authority may, in its discretion and without consultation with the Design-Builder, make any public announcement relating to the Project.

66.7 The parties will comply with Schedule 4 - Communication Roles.

SECTION 67
NOTICE

67.1 Any notice or communication required or permitted to be given under this Agreement will be in writing and will be considered to have been sufficiently given if delivered by hand or transmitted by electronic transmission to the address or electronic mail address of each party set out below:

(a) if to the Authority:

Interior Health Authority
Director, Major Capital Projects
4th Floor – 505 Doyle Avenue
Kelowna, BC V1Y 0C5

Attention: Michael Morton, Director, Major Capital Projects
Email: michael.morton@interiorhealth.ca

(b) if to the Design-Builder:

Graham Design Builders LP
10840 27 Street SE
Calgary Alberta T2Z 3R6

Attention: Greg Parnell, Director Buildings
Email: Greg.Parnell @graham.ca

or to such other address or electronic mail address as any party may, from time to time, designate in the manner set out above.

67.2 Any such notice or communication will be considered to have been received:

(a) if delivered by hand during business hours (and in any event, at or before 5:00 pm local time in the place of receipt) on a Business Day, upon receipt by a responsible representative of the receiver, and if not delivered during business hours, upon the commencement of business hours on the next Business Day; and

(b) if sent by electronic transmission during business hours (and in any event, at or before 5:00 pm local time in the place of receipt) on a Business Day, upon receipt, and if not delivered during business hours, upon the commencement of business hours on the next Business Day, provided that:

(i) the receiving party has, by electronic transmission or by hand delivery, acknowledged to the notifying party that it has received such notice; or

(ii) within 24 hours after sending the notice, the notifying party has also sent a copy of such notice to the receiving party by hand delivery.

67.3 Delivery by mail will not be considered timely notice under this Agreement.

67.4 In the event of an emergency or urgent matter, in addition to the notice required by this Section 67, a verbal notice will be given as soon as the party giving the notice becomes aware of any material event or circumstance that gives rise to the requirement for a written notice being given.

SECTION 68
LEGAL RELATIONSHIP

68.1 The Design-Builder is an independent contractor and not the servant, employee, partner or agent of the Authority.

68.2 The Design-Builder will not commit the Authority to the payment of any money to any person.

68.3 No partnership, joint venture or agency involving the Authority is created by this Agreement or under this Agreement.

68.4 All personnel engaged by the Design-Builder to design and construct the Project are at all times the employees or Subcontractors of the Design-Builder and not of the Authority. The Design-Builder is solely responsible for all matters arising out of the relationship of employer and employee.

SECTION 69
ASSIGNMENT

69.1 The Design-Builder will not, without the prior written consent of the Authority, assign, either directly or indirectly, any right or obligation of the Design-Builder under this Agreement.

69.2 The Authority may, upon notice to the Design-Builder, assign any or all of its rights or obligations under this Agreement to any other agency or organization that will assume responsibility for the operation of the Facility. Subject to the foregoing and subject to the right of assignment of the licence referred to in Section 18.5, the Authority will not, without the prior written consent of the Design-Builder, assign, either directly or indirectly, any right or obligation of the Authority under this Agreement.

SECTION 70
INTEREST

70.1 If payment by either party of any amount payable under this Agreement is not made when due, interest will be payable on such amount at 2% per annum over the prime rate, calculated from the date due under this Agreement until paid, compounded monthly. The party to whom payment is owed and overdue will notify the other party at least monthly of the overdue amount and the accrued interest on that amount. The prime rate is the annual rate of interest announced by the Royal Bank of Canada (or its successor), or any other Canadian chartered bank agreed to by the parties, as its "prime" rate then in effect for determining interest rates on Canadian dollar commercial loans made by it in Canada.

SECTION 71
WAIVER

71.1 No waiver by either party of a right of that party or any breach by the other party in the performance of any of its obligations under this Agreement is effective unless it is in writing.

71.2 No waiver of any right or obligation is a waiver of any other right or obligation under this Agreement.

71.3 Failure or delay to complain of an act or failure of the other party or to declare the other party in default, irrespective of how long the failure or delay continues, does not constitute a waiver by the party of any of its rights against the other party.

71.4 The duties and obligations imposed by this Agreement and the rights and remedies available hereunder will be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by Law.

SECTION 72
ASSUMPTION OF RISK

72.1 Except to the extent expressly allocated to the Authority or otherwise provided for under this Agreement, all risks, costs and expenses in relation to the performance by the Design-Builder of its obligations under this Agreement are allocated to, and accepted by, the Design-Builder as its entire and exclusive responsibility.

SECTION 73
GENERAL DUTY TO MITIGATE

73.1 In all cases where the Design-Builder is entitled to receive from the Authority any additional compensation or any costs, damages or extensions of time, the Design-Builder will use all reasonable efforts to mitigate such amount required to be paid by the Authority to the Design-Builder under this Agreement, or the length of the extension of time. Upon request from the Authority, the Design-Builder will promptly submit a detailed description, supported by all such documentation as the Authority may reasonably require, of the measures and steps taken by the Design-Builder to mitigate and meet its obligations under this Section 73.

SECTION 74
OTHER PROVISIONS

74.1 The exclusions, waivers and limitations of liability, representations and warranties and indemnities in this Agreement, the provisions of Section 62, Section 63, Section 65, Section 66 and rights accrued prior to completion or termination of this Agreement will survive the completion or termination of this Agreement.

74.2 This Agreement constitutes the entire agreement between the parties, expressly superseding all prior agreements and communications (both oral and written) between any of the parties hereto with respect to all matters contained herein or therein, and except as stated herein or the instruments and documents to be executed and delivered pursuant hereto, contains all the representations and warranties of the respective parties.

74.3 No waiver of any provision of this Agreement and no consent required pursuant to the terms of this Agreement is binding or effective unless it is in writing and signed by the party providing such waiver or consent.

74.4 No failure to exercise, and no delay in exercising, any right or remedy under this Agreement will be deemed to be a waiver of that right or remedy. No waiver of any breach of any provision of this

Agreement will be deemed to be a waiver of any subsequent breach of that provision or of any similar provision.

74.5 This Agreement enures to the benefit of and binds the Authority, its successors and its assigns and the Design-Builder and its successors and permitted assigns.

74.6 The parties must do everything reasonably necessary to give effect to the intent of this Agreement, including execution of further instruments.

74.7 The Design-Builder and the Authority will take all reasonable and necessary steps to minimize and avoid all costs and impacts arising out of the performance of the Work and this Agreement.

74.8 Neither the Authority nor the Design-Builder will take advantage of any apparent discrepancy, ambiguity, error or omission in this Agreement and will notify the other party forthwith following the detection of anything it suspects may be an ambiguity, discrepancy, error or omission.

74.9 Each Schedule attached to this Agreement is an integral part of this Agreement as if set out at length in the body of this Agreement.

74.10 This Agreement may only be amended by an agreement of the parties in writing. No such amendments will be valid unless executed by the Authority and the Design-Builder.

74.11 This Agreement will be deemed to be made pursuant to the Laws of the Province of British Columbia and the Laws of Canada applicable therein and will be governed by and construed in accordance with such Laws.

74.12 For the purposes of any legal actions or proceedings brought by any party hereto against the other party, the parties hereby irrevocably submit to the exclusive jurisdiction of the courts of the Province of British Columbia and acknowledge their competence and the convenience and propriety of the venue and agree to be bound by any judgment thereof and not to seek, and hereby waive, review of its merits by the courts of any other jurisdiction.

74.13 Where the Design-Builder is a joint venture, partnership or consortium, each member agrees to be jointly and severally liable for the obligations of the Design-Builder.

74.14 Time is of the essence of this Agreement.

74.15 This Agreement may be executed in any number of counterparts, each of which will be deemed to be an original, and this has the same effect as if the signatures on the counterparts were on a single copy of this Agreement so that it will not be necessary in making proof of this Agreement to produce or account for more than one such counterpart.

74.16 A party may deliver an executed copy of this Agreement by facsimile or other electronic means but that party will immediately deliver to the other parties an originally executed copy of this Agreement.

[Signature Page to Follow]

IN WITNESS WHEREOF the parties have executed this Agreement as of the Effective Date.

INTERIOR HEALTH AUTHORITY

Per: _____

Susan Brown
President and Chief Executive Officer

GRAHAM DESIGN BUILDERS LP, by and through its general partner GRAHAM DESIGN BUILDERS LTD.

Per: _____

Dave Corcoran
Vice President Construction

IN WITNESS WHEREOF the parties have executed this Agreement as of the Effective Date.

INTERIOR HEALTH AUTHORITY

Per: _____
Susan Brown
President and Chief Executive Officer

GRAHAM DESIGN BUILDERS LP, by and through its general partner GRAHAM DESIGN BUILDERS LTD.

Per: _____
Dave Corcoran
Vice President Construction

SCHEDULE 1 – STATEMENT OF REQUIREMENTS

CARIBOO MEMORIAL REDEVELOPMENT PROJECT

EXECUTION COPY

Table of Contents

Schedule 1

Design and Construction Specifications

PART 1. INTERPRETATION

1.1 Definitions

In this Schedule, in addition to the definitions set out in the Agreement:

"Aboriginal Consultation Advisor" means a person qualified, by education and experience, to facilitate aboriginal consultation processes and sessions as a neutral, informative resource and to provide advising to any of the parties involved;

"Acoustic and Vibration Consultant" means a Professional Engineer with demonstrated experience in providing recommendations and analysis for acoustic and vibration performance of buildings;

"AIR Anteroom" means a space at the entrance to an AIR that provides for storage and removal of PPE and provides an airlock between the adjacent space and the Patient in the AIR;

"Airborne Isolation Room" means a space designed, constructed and ventilated to limit the spread of microorganisms from an infected occupant, having negative pressure ventilation conforming to CSA Z8000 Canadian Healthcare Facilities and CSA Z317.2 Special Requirements for Heating, Ventilation, and Air Conditioning (HVAC) Systems in Healthcare Facilities with an adjoining Anteroom at the entrance that is separated by doors from both the outside and the main space of the room;

"Allocated Data Port" or **"Data Jack"** means a CAT6A cable that has been installed tested and certified with proper terminations at both the field and head ends that can be patched into a Design-Builder provided and provisioned network Switch Port in the same rack in the Telecommunications Room without the need for additional infrastructure;

"Alternative Solution" has the meaning set out in the BCBC;

"Anti-Barricade" has the meaning set out in Section 5.11.1.4;

"Architectural Concrete" means all concrete exposed to view in all public areas on the interior and exterior of the Facility;

"Asset" means an item, thing or entity that has potential or actual value to an organization;

"Authority End-Use Equipment" means all of the equipment categories listed in Appendix 1J [Equipment List];

"Authority Having Jurisdiction" has the meaning set out in the BCBC;

"Back of House" means the rooms, spaces and circulation systems, including corridors, elevators and stairs, that are not designed for use by the general public and Patients;

"Basis of Design" From LEED, this is a document prepared by the Design-Builder before any Subcontractor Submittals for commissioned equipment or systems are approved. It explains how the Construction and other details will fulfill the OPR. The intention is to document the thought processes and assumptions behind design decisions made to meet the OPR;

"Borrowed Light" has the meaning set out in Section 5.6.1.5(2) of this Schedule;

"Building Envelope Consultant" means an individual whose credentials as a building envelope professional are recognized by the AIBC or the APEGBC to review and certify building envelope design and construction;

"Building Gross Area" or **"Building Gross Square Metres"** (BGSM) means the sum of all floor areas within a building measured to the outside face of exterior walls for all stories or areas having floor surfaces;

"Building Systems" means the architectural, mechanical, electrical and other systems in or servicing the Facility;

"Campus Wide System" means a fully integrated system operating seamlessly in all buildings in the Campus; except for the Nurses Residence;

"Ceiling Height" means the minimum clear height between the finish floor and the finish ceiling where there are no obstructions or protrusions within or below the specified height;

"Clinical Spaces" means spaces that support or are used in the direct care of Patients, including waiting rooms, medication rooms, nourishment rooms, clean supply rooms, soiled utility rooms and care team stations and does not include storage rooms, housekeeping closets, and corridors;

"Clinical Systems Furniture" has the meaning set out in Section 6.12.2.4(1) of this Schedule;

"Clinical Specifications and Functional Space Requirements" means Appendix 1A [Clinical Specifications and Functional Space Requirements], which provides a description of each space, the purpose of the Facility and how the programs will be delivered at CMH;

"Commissioning" means testing and commissioning the equipment or system in accordance with the requirements set out in this Agreement, all applicable Standards and Good Industry Practice, including to ensure that relevant systems, equipment, and assemblies have been installed, are operating in accordance with the manufacturer's requirements and specifications, and fit for the Authority's activities;

"Component" means a cohesive grouping of activities or spaces related by service or physical arrangement. A planning component may or may not be a department since the term "department" means an administrative organization rather than a functional organization of space and activities;

"Convenient Access" means access between rooms, spaces, areas or Components that are located at a minimal travel distance from each other through horizontal circulation or, on a case-by-case basis, through vertical circulation, such that their location is optimized for efficiency of flow and the path between them minimizes corners, jogs or obstructions such as columns that create interference;

"Crime Prevention Through Environmental Design" means a multi-disciplinary approach to deterring undesirable and criminal activity and behaviour through environmental design;

"dBA" refers to the unit of sound pressure level when the "A weighting filter" is used;

"Department" means an administrative organization rather than a functional organization of space and activities;

"Design Life" means the period of time during which the item is expected by its designers to work within its specified parameters; in other words, the anticipated life expectancy of the item;

"Direct Access" means access between rooms, spaces, areas or Components that are horizontally contiguous such that the path between them involves no movement through other circulation systems or, on a case-by-case basis, vertically contiguous by means of an elevator or internal stairs;

"Direct Natural Light" has the meaning set out in Section 5.6.1.5(1) of this Schedule;

"Electrical Room" means a service room dedicated only to housing electrical power distribution equipment and associated ancillary systems;

"Emergency Department" means the emergency department Component as described in Appendix 1A [Clinical Specifications and Functional Space Requirements];

"Emergency Operations Centre" has the meaning set out in Section 5.4.2 of this Schedule;

"Evidence Based Design" (EBD) has the meaning set out in Section 3.3;

"Facilities Maintenance and Operations" or **"FMO"** means Plant Services Staff at Cariboo Memorial Hospital;

"Facility Threat and Risk Assessment Report" has the meaning set out in Schedule 2 [Review Procedure], Appendix 2A [Submittals].

"Front of House" means the rooms, spaces and circulation systems, including corridors, elevators and stairs, that are designed for use by the general public;

"Functional Space Requirements" means the list of required spaces to be included in the Design of the Facility as described in Appendix 1A [Clinical Specifications and Functional Space Requirements];

"Furniture" has the meaning set out in Section 6.12.2.3(1) of this Schedule;

"Future Flexibility" means the ability to accommodate adjustments or changes to space functions, which the Design-Builder will include in the planning and Design of the Facility;

"Future Heliport" means the Heliport that may be installed by the Authority after Total Completion;

"General Circulation" means movement between rooms, spaces, areas or Components by means of horizontal and/or vertical circulation corridors, stairs or elevators that are for use by the general public, visitors and Staff;

"Good Industry Practice" means the exercise of the degree of skill and care, diligence, prudence and foresight which would be reasonably and consistently expected from a skilled and experienced professional design-builder undertaking a project similar in size, scope and complexity of the Project;

"Hazardous Substance" has the meaning set out in the Agreement;

"Heliport" means an aerodrome in respect of which a heliport certificate issued under Subpart 5 of CARs Part III is in force;

"Internal Circulation" means movement between rooms, spaces, areas or Components internally by means of horizontal connections such as doors or openings without passage through other circulation systems;

"Lean Health Care" has the meaning set out in Section 3.4 of this Schedule;

"Life Safety System" or **"Life Safety Equipment"** refers to any equipment or infrastructure that either provides, monitors or supports life safety or is designed to protect and evacuate the CMH Campus in emergencies, including Patient vital signs, RTLS, fire alarm, medical gases and nurse call systems;

"Ligature Resistant" means in relation to specific features within a space, designed to reduce the opportunity for a cord, rope, bed sheet or similar cordlike material can be looped around or tied to the specific feature in order to create a point of ligature;

"Line of Sight" has the meaning set out in Section 5.6.7.1 of this Schedule;

"Make Good" means preparing adjoining surfaces to be identical, with construction and finishing completed in such a manner that there are no visible traces, at a minimum distance of 600 mm, between the Work and the existing condition. Making Good therefore includes the Construction and refinishing of existing areas and surface as necessary to junction points or inside or outside corners of roofs, exterior walls, partitions, ceilings and landscaping or paving;

"Maternity Services Unit" means the maternity services unit Component as described in Appendix1A [Clinical Specifications and Functional Space Requirements];

"Medical/Surgical Inpatient Unit" means the medical-surgical inpatient unit Component as described in Appendix 1A [Clinical Specifications and Functional Space Requirements];

"Millwork" means fixed, e.g. non-movable, Site-built architectural woodwork for casework, counters, walls, ceiling, doors, paneling, trim and partitions;

"Minimum Room Requirements" means the requirements by room set out in Appendix 1C [Minimum Room Requirements];

"Modular Casework" means a composition of factory produced components that are replaceable, reconfigurable and interchangeable in the future by the Authority;

"Net Area" or **"Net Square Metres"** means the horizontal area of space assignable to a specific function, which for rooms is measured to the inside face of wall surfaces;

"Obstacle" means an object that could have an adverse effect on the safe operation of aircraft in flight or on the ground;

"Outbreak Control Zone" means a collection of rooms and spaces that, in the event of an infectious disease outbreak, can be isolated as a self-contained zone and negatively pressurized by the HVAC system relative to the surrounding areas to mitigate the spread of airborne infections;

"Owner's Project Requirements" From LEED, the Owner's Project Requirements is a document that details the functional requirements as well as the expectations for the Facility's use and operation. The intention is to document the Authority's requirements and objectives for the Project to verify that those goals are carried through the life of the Project;

"Patient" means an inpatient or outpatient who is waiting for or undergoing medical investigation, care or treatment at CMH;

"Patient Care Area" has the meaning set out in CSA Z8000 and Z32;

"Persons with Disabilities" has the meaning set out in the BCBC;

"Person- and Family-Centred Care" means a standard of care that emphasizes the individual needs of each Patient and treats them with respect and dignity, enabling them to participate integrally in their own care process within an environment that recognizes and respects the essential role of the Patient's family or supporters;

"Pharmacy" means the pharmacy Component as described in Appendix 1A [Clinical Specifications and Functional Space Requirements];

"Project Design Objectives" means the project design objectives set out in Section 3.1 of this Schedule;

"Quality Daylight" means that the daylight in a space within 4.5 m of the exterior perimeter wall meets the requirements for illuminance measured as set out under the Daylight credit for LEED BD+C: Healthcare v4, Option 3: Measurement;

"Rain Screen Wall" means a wall that meets the requirements set out in Section 5.6.4.13 of this Schedule;

"Recurrent Room" means spaces or rooms that are of the same type and function, have the same required NSM and are repeated or listed as multiple units in Appendix 1A [Clinical Specifications and Functional Space Requirements];

"Restricted Circulation" means movement between rooms, spaces, areas or Components by means of horizontal and/or vertical circulation corridors, stairs or elevators that are for use by Staff, registered Patients and services and not for use by the general public;

"Retail and Support Services" means the retail and support services Component as described in Appendix 1A [Clinical Specifications and Functional Space Requirements];

"Seamless Integration" means integration that meets the requirements set out in Section 7.8.2.1(9) of this Schedule;

"Serviceable" means that items are installed so they can be serviced without special tools, without the worker needing to reach or stretch to the side, around, or over any obstruction, without the use of a fall restraint or a fall protection system, within reach from an 8' ladder if installed in ceilings or overhead and such that they are fully visible from the access point including ceiling tile or access door openings;

"Staff" means a person or group of persons carrying out work within the CMH Campus, including volunteers, learners, couriers, vendors, even if not directly employed by the Authority;

"**STC**" means Sound Transmission Class and is used in this Schedule 1 as a rating requirement for the degree to which a Facility partition attenuates airborne sound;

"Switch Port" means an active port on a network switch in the MCC/BCC, or Telecommunications Room that can be connected to a Data Jack to change the status of a Data Jack from unallocated to allocated;

"Systems Furniture" has the meaning set out in Section 6.12.2.5(1) of this Schedule;

"Tamper Resistant" means, of a non-electrical component, resistant to being operated, accessed, compromised or removed without the use of proper, specialized tools, or an electrical receptacle designed, constructed, and marked as tamper-resistant in accordance with CSA C22.2 No. 42;

"Telecommunications Outlet" has the meaning set out in Appendix 1E [Authority Communications Infrastructure Standards & Specifications];

"Telecommunications Room" means an enclosed, environmentally controlled architectural space for housing telecommunication equipment, connecting hardware, terminations of horizontal and backbone cables and splice enclosures serving a portion of the Facility. TRs will be vertically stacked in all new builds;

"TLOF" means a touchdown and lift off area, which consists of a load-bearing area on which a helicopter may touch down or lift off;

"Unallocated Data Port" or **"Unallocated Data Jack"** means a CAT6A cable that has been installed, tested and certified with proper terminations at both the field and head ends and does not have a provisioned network Switch Port in the same rack in the communications room, but has the ability to become allocated by patching into an Authority-provided network Switch Port if required post-Substantial Completion and handover of the network to the Authority;

"Unequipped" means a room or space that is being completely finished and commissioned except for having equipment installed. An Unequipped room or space will be designed and constructed at Substantial Completion to accommodate and accept the equipment as it would be installed in a room of the same function that is completely finished and commissioned with equipment installed;

"Unusable Area" means horizontal area that, for reasons including those set out in Section 2.4.1.4, does not contribute to the function of the room described in Appendix 1A [Clinical Specifications and Functional Space Requirements];

"Utility" or **"Utilities"** means utility electrical power; steam and chilled water; water main; sanitary sewer; storm sewer; gas, oil and any other fossil-based fuel; medical gas compounds; and telephone and data cabling;

"Vandal Resistant" means designed to withstand abuse and tampering without damage and includes features to resist prying, impact and shattering;

"Void Space" means space that is trapped between walls and/or structure and is not intended to be finished or used; and

"Wayfinding" refers to information systems that guide people through a physical environment and enhance their understanding and experience of the space.

1.2 Interpretation

1.2.1 This Schedule is written as an output specification and defines what the Design-Builder will achieve in the Design and Construction. Except as expressly stated otherwise, the Design-Builder will carry out the Design and Construction as required and contemplated by each provision of this Schedule and its Appendices, whether or not the provision is written as an obligation of the Design-Builder or is stated in the imperative form.

1.2.2 Where "cost effective", "appropriate", "sufficient", "minimize" and related and similar terms are used, they will be construed and interpreted in terms of whether they are cost effective, appropriate, sufficient, minimizing, etc. from the perspective of a prudent public owner of a major public hospital building who balances capital costs against maintenance, operations, clinical efficiency and other non-capital costs over the life of the Facility.

1.2.3 Unless expressly stated otherwise, each reference to a standard or code in this document will be deemed to mean the latest version of that standard or code as of the Effective Date.

1.3 Acronym List

1.3.1 ACGIA – American Conference of Governmental Industrial Hygienists

1.3.2 AFF – Above Finished Floor Level

1.3.3 AFUE – Annual Fuel Utilization Efficiency

1.3.4 AGSS – Anesthetic Gas Scavenging System

1.3.5 AHJ – Authority Having Jurisdiction

1.3.6 AIR – Airborne Isolation Room

1.3.7 ANF – Natural Convection Cooling Plus Forced Air Cooling

1.3.8 ANN – Natural Convection Cooling

1.3.9 ANSI – American National Standards Institute

1.3.10 AP – Annunciation Panel

1.3.11 ASHRAE – American Society of Heating, Refrigerating and Air-conditioning Engineers

1.3.12 ASME – American Society of Mechanical Engineers

1.3.13 ASPE – American Society of Plumbing Engineers

1.3.14 ASTM – American Society for Testing and Materials

1.3.15 ATM – Automated Teller Machine

1.3.16 AT4 – Ascom Telligence 4.0 C600 System

1.3.17 ATS – Automatic Transfer Switch

1.3.18 AV / IT – Audio Visual / Information Technology

1.3.19 AWMAC – Architectural Woodworker Manufacturers Association of Canada

1.3.20 BCBC – BC Building Code

1.3.21 BCC – Backup Cross Connect

1.3.22 BCCSS – BC Clinical and Support Services

1.3.23 BCERMS – British Columbia Emergency Response Management System

1.3.24 BCICA – British Columbia Insulation Contractors Association

1.3.25 BCLNA – British Columbia Landscape & Nursery Association

1.3.26 BCSLA – British Columbia Society of Landscape Architects

1.3.27 BC PSQCC – BC Patient Safety & Quality Control Council

1.3.28 BGSM – Building Gross Square Metres

1.3.29 BICSI – Building Industry Consulting Service International

1.3.30 BMS – Building Management System

1.3.31 BOD – Basis of Design

1.3.32 CARs – Canadian Aviation Regulations

1.3.33 CATV – Community Access Television

1.3.34 CCD – Charge Couple Device

1.3.35 CCoIP - Critical Communication over IP

1.3.36 CDP – Centralized Distribution Panels

1.3.37 CEC – Canadian Electrical Code

1.3.38 CFC – Chlorofluorocarbon

1.3.39 CFL – Compact Fluorescent Lamp

1.3.40 CGA – Compressed Gas Association

1.3.41 CGSM – Component Gross Square Metres

1.3.42 CIF – Common Intermediate Format

1.3.43 CISCA – Ceiling Interior Systems Construction Association

1.3.44 CLSI – Clinical Laboratory Standards Institute

1.3.45 CMH – Cariboo Memorial Hospital

1.3.46 CMU – Concrete Masonry Unit

1.3.47 CODEC – Coder/Decoder

1.3.48 Crime Prevention Through Environmental Design

1.3.49 CPU – Central Processing Unit

1.3.50 CRTC – Canadian Radio-television and Telecommunications Commission

1.3.51 CSA – Canadian Standards Association

1.3.52 CT – Computer Tomography

1.3.53 CTAS – Canadian Triage Acuity Scale

1.3.54 Cx – Commissioning

1.3.55 CxA – Commissioning Authority

1.3.56 DCS – Day Care Surgery

1.3.57 DDC – Direct Digital Controls

1.3.58 DFO – Department of Fisheries and Oceans

1.3.59 DID – Direct Inward Dialling

1.3.60 DISS – Diameter Index Safety System

1.3.61 DSSS – Direct Sequence Spread Spectrum

1.3.62 EBD – Evidence Based Design

1.3.63 ECG – Electrocardiography

1.3.64 ED – Emergency Department

1.3.65 EEG – Electroencephalogram

1.3.66 EF – Entrance Facility

1.3.67 EMR – Electronic Medical Record

1.3.68 EMI – Electromagnetic Interference

1.3.69 EMS – Emergency Medical Services

1.3.70 EMT – Electric Metallic Tubing

1.3.71 ENT – Ear Nose Throat

1.3.72 EOC – Emergency Operations Centre

1.3.73 EPCA – Emergency Pull Cord with Audio

1.3.74 FACP – Fire Alarm Control Panel

1.3.75 Not Used

1.3.76 FEMA – Federal Emergency Management Agency

1.3.77 FF&E – Fixtures, Furniture and Equipment

1.3.78 FIPPA – Freedom of Information and Protection of Privacy Act

1.3.79 FP – Family Practice/Practitioner

1.3.80 FSR - Flame Spread Rating

1.3.81 GPS – Global Positioning Satellite

1.3.82 GWB – Gypsum Wall Board

1.3.83 HAZMAT – Hazardous Materials or Substances

1.3.84 HCF – Health Care Facility

1.3.85 HCFC – Hydrochlorofluorocarbons

1.3.86 HEPA – High Efficiency Particulate Air

1.3.87 HID – High Intensity Discharge

1.3.88 HIMSS – Healthcare Information and Management Systems Society

1.3.89 HIS – Health Information Services/Hospital Information System

1.3.90 HL7 – Health Level 7

1.3.91 HLD – High Level Disinfection

1.3.92 HOA – Hand/Off/Auto

1.3.93 HOM – Heliport Operations Manual

1.3.94 HP – Horsepower

1.3.95 HRC – High Rupting Capacity (fuse type)

1.3.96 HVAC – Heating, Ventilating and Air-Conditioning

1.3.97 IAQ – Interior Air Quality

1.3.98 ICRA – Infection Control Risk Assessment

1.3.99 IDS / IPS – Intrusion Detection System / Intrusion Prevention System

1.3.100 IEEE – Institute of Electrical and Electronic Engineers

1.3.101 IP – Internet Protocol

1.3.102 IPC – Infection Prevention and Control

1.3.103 IT – Information Technology

1.3.104 IMIT – Information Management Information Technology

1.3.105 IPU – Inpatient Unit

1.3.106 IR – Interventional Radiology

1.3.107 ISO – International Organization for Standardization

1.3.108 IT/Tel – Information Technology / Telecommunication

1.3.109 IV – Intravenous

1.3.110 KW – Kilowatt

1.3.111 KWH – Kilowatt hours

1.3.112 KV – Kilovolt

1.3.113 KVA – Kilovolt Ampere

1.3.114 LAN – Local Area Network

1.3.115 LCD – Liquid Crystal Display

1.3.116 LED – Light Emitting Diode

1.3.117 LEED – LEED® Leadership in Energy and Environmental Design

1.3.118 LEED V4 BD+C: Healthcare – LEED Version 4 Building Design + Construction: Healthcare

1.3.119 LEED V4.1 BD+C: – LEED Version 4.1 Building Design + Construction

1.3.120 Mb – Megabit

1.3.121 MCC – Main Cross Connect

1.3.122 MCP – Motor Circuit Protector

1.3.123 MCS – Master Console Station

1.3.124 MDR – Medical Device Reprocessing

1.3.125 MEO – Medical Emergency Operation

1.3.126 MHSU – Mental Health and Substance Use

1.3.127 MFP – Multi-Function Peripheral (or Multi-Function Printer)

1.3.128 MMCD – Master Municipal Contract Documents

1.3.129 MMU – Mobile Medical Unit

1.3.130 MPI – Master Painters Institute

1.3.131 MRI – Magnetic Resonance Imaging

1.3.132 NEMA – National Electrical Standards Association

1.3.133 NFCA – National Floor Covering Association

1.3.134 NFPA – National Fire Protection Association

1.3.135 NTSC – National Television Standards Committee

1.3.136 NM – Nuclear Medicine

1.3.137 NRC – National Research Council

1.3.138 NSM – Net Square Metres

1.3.139 NVG – Night Vision Goggles

1.3.140 O&M – Operations and Maintenance

1.3.141 OA – Outdoor Air

1.3.142 OHSR – Occupation Health and Safety Regulations

1.3.143 OFDM – Orthogonal Frequency Division Multiplexing

1.3.144 OPR – Owner's Project Requirements

1.3.145 OS&Y – Open Stem and Yoke

1.3.146 OT – Occupational Therapy/Therapist

1.3.147 PACS – Picture Archiving and Communication System

1.3.148 PARR – Post Anesthetic Recovery Room

1.3.149 PBX – Private Branch Exchange

1.3.150 PB44 – Four (4) button stations

1.3.151 PCC – Patient Care Coordinator

1.3.152 PC – Personal Computer

1.3.153 PDA – Personal Digital Assistant

1.3.154 PET – Positron Emission Tomography

1.3.155 Personal Information Protection and Electronic Document Act

1.3.156 PoE – Power Over Ethernet

1.3.157 PPE – Personal Protective Equipment

1.3.158 PS1A – Patient Station

1.3.159 PTS – Pneumatic Tube System

1.3.160 PTZ – Pan Tilt Zoom

1.3.161 PVC – Polyvinyl Chloride

1.3.162 RBR5 – Rauland-Borg Responder V Nurse Call System

1.3.163 RCDD – Registered Communications Distribution Designer

1.3.164 RCABC – Roofing Contractors Association of British Columbia

1.3.165 RN – Registered Nurse

1.3.166 RO – Reverse Osmosis

1.3.167 RPBD – Reduced Pressure Principle Backflow Device;

1.3.168 RT – Respiratory Therapy/Therapist

1.3.169 RTLS – Real Time Location System

1.3.170 SAGA – System of Approach Azimuthal Guidance

1.3.171 SES – Safety Engineering Society

1.3.172 SIP – Session Initiated Protocol

1.3.173 SMACNA – Sheet Metal and Air Conditioning Contractors National Association

1.3.174 SMDR – Station Message Detail Recording

1.3.175 SNR – Signal to Noise Ratio

1.3.176 SPD – Surge Protective Device

1.3.177 SMRC – Single Room Maternity Care

1.3.178 SQL – Structured Query Language

1.3.179 STAT – Statim (“immediately”)

1.3.180 SSTF – Staff stations

1.3.181 STC – Sound Transmission Coefficient

1.3.182 STI – Sound Transmission Index

1.3.183 TAB – Testing, adjusting and balancing

1.3.184 TCO – Total Cost of Ownership

1.3.185 TCP – Transmission Control Protocol

1.3.186 TDM – Time Division Multiplexing

1.3.187 THD – Total Harmonic Distortion

1.3.188 TIA – Telecommunications Industry Association

1.3.189 TR – Telecommunications Room

1.3.190 TTMAC – Terrazzo and Tile Manufacturers Association of Canada

1.3.191 TVOC – Total Volatile Organic Compounds

1.3.192 TVSS – Transient Voltage Surge Suppressor

1.3.193 ULC – Underwriters' Laboratories of Canada

1.3.194 UPS – Uninterruptible Power Supply

1.3.195 US – Ultrasonography/Ultrasound

1.3.196 V – Volt

1.3.197 Not Used

1.3.198 VAR – Volt Ampere Reactive power

1.3.199 VAV – Variable Air Volume

1.3.200 VFD – Variable Frequency Drive

1.3.201 VLAN – Virtual Local Area Network

1.3.202 VOC – Volatile Organic Compounds

1.3.203 Not Used

1.3.204 VoIP – Voice over Internet Protocol

1.3.205 WAN – Wide Area Network

1.3.206 Not Used

1.3.207 WMM – Wi-Fi Multimedia

PART 2. GENERAL

2.1 Project Overview

2.1.1 The Design-Builder is responsible for the Design and Construction of the Facility as described in this Agreement, which will include the following:

2.1.1.1 The Facility, designed to meet CSA Class A-1 healthcare requirements and connected to the Existing Hospital;

2.1.1.2 Surface parking and lay-by parking;

2.1.1.3 On-Site and off-Site Utilities;

2.1.1.4 Roadways, sidewalks, pathways and interconnections to the City street network, including Johnson Street, Gibbon Street, 6th Avenue and 4th Avenue, including as shown in Appendix 1G [Site Services];

2.1.1.5 Utility stub outs and knock-out panels for Future Flexibility; and

2.1.1.6 The Components, rooms and spaces described in Appendix 1A [Clinical Specifications and Functional Space Requirements].

2.2 Standards and Guidelines

2.2.1 The Design-Builder will undertake the Design and Construction:

2.2.1.1 in accordance with the Standards and any other Standards set out in this Schedule;

2.2.1.2 in accordance with the BCBC, BC Fire Code, BC Plumbing Code, National Fire Code and City of Williams Lake bylaws, policies and guidelines, including:

2.2.1.2(1) City of Williams Lake Building Bylaw No. 2274, 2019;

2.2.1.2(2) City of Williams Lake Zoning Bylaw No. 1825, 2002, and Schedule B: Zoning Bylaw and Land Use Maps;

2.2.1.2(3) City of Williams Lake Development Approval Procedures Bylaw No. 2317, 2019;

2.2.1.2(4) City of Williams Lake Development Cost Charge Bylaw No. 2280, 2018;

2.2.1.2(5) City of Williams Lake Sewerage Works Management Bylaw No. 871, 1981;

2.2.1.2(6) City of Williams Lake Waterworks Bylaw No. 1972, 2005;

2.2.1.2(7) City of Williams Lake Good Neighbour Bylaw No. 2194, 2014; and

2.2.1.2(8) City of Williams Lake Fee Bylaw No. 2224, 2015;

2.2.1.3 having regard for the concerns, needs and interests of:

2.2.1.3(1) all persons who will be Facility users;

2.2.1.3(2) all Authorities Having Jurisdiction;

2.2.1.3(3) the community; and

2.2.1.3(4) the City.

2.2.1.4 in accordance with Good Industry Practice;

2.2.1.5 such that every product is installed in accordance with the manufacturer's installation instructions; and

2.2.1.6 to the same standard that an experienced, prudent and knowledgeable long-term owner of a high-quality health care building in North America operated publicly would employ.

2.2.2 If more than one Standard is applicable, then the highest such Standard will apply.

2.2.3 If the Design-Builder wishes to refer to a code or standard from a jurisdiction outside of Canada, then the Design-Builder will demonstrate to the Authority's satisfaction that such code or standard meets or exceeds the requirements of this Schedule.

2.2.4 Guidelines listed in Section 2.2.7 will be interpreted as Standards and the Design-Builder will comply with them as such.

2.2.5 The most recent version of any Standard listed in this Schedule, excluding any codes, laws and bylaws**,** that is in effect when the Agreement is signed, will govern.

2.2.6 CSA Z8000: Canadian Healthcare Facilities

2.2.6.1 CSA Z8000 complements the Standards and codes specified in this Schedule 1 by providing overarching design principles and referencing specific Standards and codes that are appropriate for health care facility design.

2.2.6.2 The Design-Builder will

2.2.6.2(1) Refer to CSA Z8000 for Design Guidance to resolve issues not otherwise addressed in this Schedule; and

2.2.6.2(2) Use CSA Z8000 as a guideline, together with the following:

2.2.6.2(2)(a) Any minimum Standards and codes referenced in CSA Z8000 (except for any minimum space requirements that may be required by those Standards and codes);

2.2.6.2(2)(b) All infection control provisions set out in CSA Z8000; and

2.2.6.2(2)(c) Accommodation of Bariatric Persons section of CSA Z8000.

2.2.7 Without limiting Section 2.2.1 of this Schedule, the Design-Builder will undertake the Design and Construction in compliance with all applicable codes, Standards and guidelines, including:

2.2.7.1 The Standards set out in this Schedule;

2.2.7.2 The requirements of the Authority, including the following:

2.2.7.2(1) IX0900: Infection Control During Construction, Renovation and Maintenance in Health Care Facilities;

2.2.7.2(2) Health and Safety Bulletin: Emergency Wash Stations; and

2.2.7.2(3) Staff Safety Guidelines for IH Healthcare Facilities;

2.2.7.3 AIA Guidelines for Design and Construction of Health Care Facilities;

2.2.7.4 Associated Air Balance Council (AABC) Standards;

2.2.7.5 AAMI TIR 34 – Water for Reprocessing of Medical devices;

2.2.7.6 ACGIA Industrial Ventilation Manual;

2.2.7.7 Ambulance Station Design Standards, British Columbia Ambulance Service, BC Emergency and Health Services;

2.2.7.8 American Society of Plumbing Engineer Manuals;

2.2.7.9 BCICA Quality Standards Manual for Mechanical Insulation;

2.2.7.10 BCSLA and BCLBA – BC Landscape Standard;

2.2.7.11 Best Practices for Environmental Cleaning for Prevention and Control of Infections in All Healthcare Settings and Programs, Ministry of Health, Province of British Columbia (design/installation sections);

2.2.7.12 Best Practices for Hand Hygiene in All Healthcare Settings and Programs, Ministry of Health, Province of British Columbia (design/installation sections);

2.2.7.13 Biosafety in Microbiological & Biomedical Laboratories;

2.2.7.14 British Columbia Guidelines for Decontamination of Patients in Health Facilities;

2.2.7.15 British Columbia Insulation Contractors Association (BCICA) Quality Standards Manual for Mechanical Insulation;

2.2.7.16 Canadian Biosafety Standards and Guidelines, Government of Canada;

2.2.7.17 Canadian Council on Health Services Accreditation Program;

2.2.7.18 Canadian Landscape Standard published by the Canadian Nursery Landscape Association and the Canadian Society of Landscape Architects;

2.2.7.19 Code Plus, Physical Design Components for an Elder Friendly Hospital;

2.2.7.20 Design Guide for the Built Environment of Behavioral Health Facilities, National Association of Psychiatric Health Systems;

2.2.7.21 Design Guide for Improving Hospital Safety in Earthquakes, Floods, and High Winds: Providing Protection to People and Buildings. FEMA Publication Number 577;

2.2.7.22 Fire Underwriter Survey – Water Supply for Public Fire Protection;

2.2.7.23 Geometric Design Guide for Canadian Roads, Transportation Association of Canada (TAC), including

2.2.7.23(1) BC Supplement to TAC Geometric Design Guide;

2.2.7.24 Guidelines for Design and Construction of Hospitals and Outpatient Facilities, FGI;

2.2.7.25 Hydronics Institute Manuals;

2.2.7.26 Illuminating Engineering Society of North America Lighting Handbook - Reference & Application;

2.2.7.27 Laboratory Biosafety Guidelines, Health Canada, Government of Canada;

2.2.7.28 Master Municipal Construction Documents – Platinum Edition Volume II;

2.2.7.29 Master Municipal Construction Documents – Platinum Edition Supplementary Updates;

2.2.7.30 National Air Duct Cleaners Association (NADCA) ACR Standard for Assessment, Cleaning, and Restoration of HVAC Systems;

2.2.7.31 National Floor Covering Association (NFCA) Specification Standards Manual, US Federal Specification RR-T-650d;

2.2.7.32 Occupational Health and Safety Regulations;

2.2.7.33 OHSAH Guidelines for Locating Sharps Disposal Containers;

2.2.7.34 Patient Safety Standards, New York State Office of Mental Health;

2.2.7.35 Provincial Quality, Health & Safety Standards and Guidelines for Secure Rooms in Designated Mental Health Facilities under the B.C. Mental Health Act, Ministry of Health, Province of British Columbia;

2.2.7.36 Security Design Guidelines for Health Care Facilities, IAHSS, including the following:

2.2.7.36(1) Behavioral/Mental Health; and

2.2.7.36(2) Emergency Departments;

2.2.7.37 Sheet Metal and Air Conditioning Contractors National Association Inc. (SMACNA) Manuals;

2.2.7.38 Standards for Landscape Irrigation published by Irrigation Industry Association of British Columbia;

2.2.7.39 All ANSI / ASHRAE Standards and guidelines including:

2.2.7.39(1) Standard 52.2: Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size;

2.2.7.39(2) Standard 55: Thermal Environmental Conditions for Human Occupancy;

2.2.7.39(3) Standard 62.1: Ventilation for Acceptable Indoor Air Quality;

2.2.7.39(4) Standard 90.1: Energy Standard for Buildings Except Low Rise Residential Buildings;

2.2.7.39(5) Standard 110: Method of Testing Performance of Laboratory

2.2.7.39(6) Standard 111: Practices for Measurement, Testing, Adjusting and Balancing of Building HVAC Systems;

2.2.7.39(7) Standard 129: Measuring Air Change Effectiveness;

2.2.7.39(8) Standard 135: BACnetTMA Data Communication Protocol for Building Automation and Control Networks; and

2.2.7.39(9) Standard 170: Ventilation of Healthcare Facilities.

2.2.7.40 ASHRAE Standards and guidelines, including the following:

2.2.7.40(1) Advanced ENERGY Guide for Hospitals and Healthcare Facilities;

2.2.7.40(2) Handbooks: Fundamentals, Refrigeration, HVAC Applications, Design of Smoke Control Systems;

2.2.7.40(3) Guideline 0-2019: The Commissioning Process;

2.2.7.40(4) Guideline 1.1: HVAC and R Technical Requirements for the Commissioning process;

2.2.7.40(5) Guideline 12-2000: Minimizing the Risk of Legionellosis Associated with Building Water Systems;

2.2.7.40(6) Handbooks: Fundamentals, Refrigeration, HVAC Applications, HVAC Systems and Equipment;

2.2.7.40(7) Standard 180: Methods of Testing for Rating Ducted Air Terminal Units; and

2.2.7.40(8) System Design Manual for Hospitals and Clinics.

2.2.7.41 ANSI / AHRI Standards and guidelines, including the following:

2.2.7.41(1) Standard 530: Method of measuring sound and vibration of refrigeration compressors;

2.2.7.41(2) Standard 550/590: Performance Rating of Water-Chilling and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle;

2.2.7.41(3) Standard 575: Method of Measuring Machinery Sound within an Equipment Space;

2.2.7.41(4) Standard 880: Standard for Air Terminals; and

2.2.7.41(5) Standard 885: Standard for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets;

2.2.7.42 ANSI / AIHI Standards and guidelines, including the following:

2.2.7.42(1) Z9.5-2012 Laboratory Ventilation;

2.2.7.43 ANSI/ASA Standards and guidelines, including the following:

2.2.7.43(1) S3.1 Maximum Permissible Ambient Noise Levels for Audiometric Test Rooms;

2.2.7.44 ANSI-ASC A14.3-2008 Standards for Ladders – Fixed – Safety Requirements;

2.2.7.45 ANSI/ASME Standards and Guidelines, including the following:

2.2.7.45(1) A13.1 – Visibility Standard (Pipe Labeling);

2.2.7.45(2) B16 – Piping Component Standards;

2.2.7.45(3) B16.1 – Cast Iron Pipe Flanges and Flanged Fittings;

2.2.7.45(4) B31.1 – Power Piping;

2.2.7.45(5) B31.9 – Building Services Piping;

2.2.7.45(6) B36 – Piping Standards; and

2.2.7.45(7) Boiler and Pressure Vessel Code:

2.2.7.45(7)(a) Section VIII: Pressure Vessels;

2.2.7.45(7)(b) Section IX: Welding Qualifications; and

2.2.7.45(7)(c) Unfired pressure vessels;

2.2.7.46 ANSI/AWWA Standards and guidelines, including the following:

2.2.7.46(1) C104 – Standard for Cement-Mortar Lining for Ductile-Iron Pipe and Fittings;

2.2.7.46(2) C110 – Ductile-Iron and Gray-Iron Fittings;

2.2.7.46(3) C151 – Ductile-Iron Pipe, Centrifugally Cast;

2.2.7.46(4) C153 – Ductile Iron Compact Fittings for Water Service;

2.2.7.46(5) C-606 – Standard for Grooved and Shouldered Joints; and

2.2.7.46(6) C651 – Disinfecting Water Mains;

2.2.7.47 ANSI/BIFMA X6.1 - 2018 Educational Seating;

2.2.7.48 ANSI/NEMA LD 3-05: High-Pressure Decorative Laminates

2.2.7.49 ANSI/NEMA LD 3.1-95: Application, Fabrication, and Decorative Laminates

2.2.7.50 ANSI Standards and Guidelines, including the following:

2.2.7.50(1) A21.11 – Rubber Gasket joints for Ductile-Iron Pressure Pipe and Fittings;

2.2.7.50(2) A137.1 – American National Standard Specifications for Ceramic Tile;

2.2.7.50(3) A326.3 – American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials;

2.2.7.50(4) A1264.2 – Provision of Slip Resistance on Walking/Working Surfaces;

2.2.7.50(5) C37.121, Unit Substations Requirements;

2.2.7.50(6) Z97.1-1984 – Glazing Materials Used in Buildings, Safety Performance Specifications and Methods of Test;

2.2.7.50(7) Z358.1 – Emergency Eyewash and Shower Equipment; and

2.2.7.50(8) Z535.4 – American National Standard for Product Safety Signs and Labels;

2.2.7.51 ASME Standards and guidelines, including the following:

2.2.7.51(1) ASME A112.3.1 – Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above-ground and Below Ground;

2.2.7.51(2) ASME A112.6.3 – Floor and Trench Drains;

2.2.7.51(3) ASME A112.36.2M – Cleanouts;

2.2.7.51(4) ASME B1.20.1 – Pipe Threads, General Purpose (inch);

2.2.7.51(5) ASME B16.3 – Malleable Iron Threaded Fittings;

2.2.7.51(6) ASME B16.5 – Pipe Flanges and Flanged Fittings;

2.2.7.51(7) ASME B16.9 – Factory Made Wrought Steel Buttwelding Fittings;

2.2.7.51(8) ASME B16.10 – Face-to-Face and End-to-End Dimensions of Valves;

2.2.7.51(9) ASME B16.11 – Forged Fittings, Socket-Welding and Threaded;

2.2.7.51(10) ASME B16.15 – Cast Bronze Threaded Fittings, Classes 125 and 250;

2.2.7.51(11) ASME B16.18 – Cast Copper Alloy Solder Joint Pressure Fittings;

2.2.7.51(12) ASME B16.20 – Metallic Gaskets for Pipe Flanges; Ring-Joint, Spiral-Wound, and Jacketed;

2.2.7.51(13) ASME B16.21 – Non-metallic Flat Gaskets for Pipe Flanges;

2.2.7.51(14) ASME B16.22 – Wrought Copper and Copper Alloy Solder Joint Pressure Fittings;

2.2.7.51(15) ASME B16.23 – Cast Copper Alloy Solder Joint Drainage Fittings: DWV;

2.2.7.51(16) ASME B16.24 – Cast Copper Alloy Pipe Flanges and Flanged Fittings; Class 150, 300, 400, 600, 900, 1500, and 2500;

2.2.7.51(17) ASME B16.29 – Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings-DWV;

2.2.7.51(18) ASME B16.34 – Valves Flanged, Threaded and Welding Ends;

2.2.7.51(19) ASME B16.47 – Large Diameter Steel Flanges: NPS 26 Through NPS 60;

2.2.7.51(20) ASME B16.50 – Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings;

2.2.7.51(21) ASME B16.39 – Malleable Iron Threaded Pipe Unions: Classes 150, 250 and 300;

2.2.7.51(22) ASME B18.2.1 – Square and Hex Bolts and Screws;

2.2.7.51(23) ASME B18.2.2 – Square and Hex Nuts;

2.2.7.51(24) ASME B31.3 – Process Piping;

2.2.7.51(25) ASME BPE – Bioprocessing Equipment; and

2.2.7.51(26) ASME PTC 19.3 TW – Thermowells;

2.2.7.52 AWS Standards and guidelines, including the following:

2.2.7.52(1) A5.8 – Specification for Filler Metals for Brazing and Braze Welding; AWS A5.31 – Specification for Fluxes for Brazing and Braze Welding;

2.2.7.52(2) C3.4 – Specification for Torch Brazing;

2.2.7.52(3) D1.3-98 - Structural Welding Code - Sheet Steel; and

2.2.7.52(4) D18.2 – Guide to Weld Discoloration Levels on Inside of Austenitic Stainless Steel Tube;

2.2.7.53 ASPE Plumbing Engineering Design Handbook, Volumes 1-4;

2.2.7.54 ASTM Standards and guidelines, including the following:

2.2.7.54(1) A36 A36M-12 – Standard Specification for Carbon Structural Steel;

2.2.7.54(2) A47 / A47M – Standard Specification for Ferritic Malleable Iron castings;

2.2.7.54(3) A53 – Standard Specification for Pipe, Steel, Black and Hot Dipped, Zinc-Coated, Welded and Seamless;

2.2.7.54(4) A90/M – Standard Test Method for Weight (Mass) of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings;

2.2.7.54(5) A105 – Standard Specification for Carbon Steel Forgings for Piping Applications;

2.2.7.54(6) A106 – Standard Specification for Seamless Carbon Steel Pipe for High Temperature Service;

2.2.7.54(7) A126 – Standard Specification for Grey Iron Castings for Valves, Flanges, and Pipe Fittings;

2.2.7.54(8) A167 – Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip;

2.2.7.54(9) A182 – Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High Temperature Service;

2.2.7.54(10) A193 / A193M-14 – Standard Specification for Alloy –Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications;

2.2.7.54(11) A194 – Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service, or Both;

2.2.7.54(12) A240/M – Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications;

2.2.7.54(13) A269 – Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service;

2.2.7.54(14) A270 – Specification for seamless and welded austenitic stainless steel sanitary tubing;

2.2.7.54(15) A276 – Standard Specification for Stainless Steel Bars and Shapes;

2.2.7.54(16) A278 – Standard Specification for Gray Iron Castings for Pressure Containing Parts for Temperatures up to 650°F (350°C);

2.2.7.54(17) A283/M – Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates;

2.2.7.54(18) A285 – Standard Specification for Pressure Vessel Plates, Carbon Steel, Low- and Intermediate Tensile Strength;

2.2.7.54(19) A307-12 – Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60000 PSI Tensile Strength;

2.2.7.54(20) A312 – Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes;

2.2.7.54(21) A326M-13 – Standard Specification for Structural Bolts, Steel, Bolts, Steel, Heat Treated, 830 MPa Minimum Tensile Strength (Metric);

2.2.7.54(22) A351 – Standard Specification for Castings, Austenitic, for Pressure Containing Parts;

2.2.7.54(23) A403 – Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings;

2.2.7.54(24) A463/M – Standard Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process;

2.2.7.54(25) A480/M – Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip;

2.2.7.54(26) A490-12 – Standard Specification for Structural Bolts, Alloy Steel, Heat Treated, 150 ksi Minimum Steel Strength;

2.2.7.54(27) A490M-12 – Standard Specification for High Strength Structural Steel Bolts, Classes 10.9 and 10.9.3, for Structural Steel joints (Metric);

2.2.7.54(28) A500 – Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes;

2.2.7.54(29) A516 – Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate- and Lower-Temperature Service;

2.2.7.54(30) A536 – Standard Specification for Ductile Iron Castings;

2.2.7.54(31) A563 – Standard Specification for Carbon and Alloy Steel Nuts;

2.2.7.54(32) A564 – Standard Specification for Hot-Rolled and Cold-Finished Age-Hardening Stainless Steel Bars and Shapes;

2.2.7.54(33) A653 / A653M-13 – Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process;

2.2.7.54(34) A666 – Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar;

2.2.7.54(35) A792 / A792M-10 – Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process;

2.2.7.54(36) A955 / A955M-17 – Standard Specification for Deformed and Plain Stainless-Steel Bars for Concrete Reinforcement;

2.2.7.54(37) A924/M – Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process;

2.2.7.54(38) A1011/M – Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength;

2.2.7.54(39) B32 – Specification for Solder Metal;

2.2.7.54(40) B62 – Standard Specification for Composition Bronze or Ounce Metal Castings;

2.2.7.54(41) B88 – Standard Specification for Seamless Copper Water Tube;

2.2.7.54(42) B209 – Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate;

2.2.7.54(43) B306 – Standard Specification for Copper Drainage Tube (DWV);

2.2.7.54(44) B749 – Standard Specification for Lead and Lead Alloy Strip, Sheet and Plate;

2.2.7.54(45) B819 – Standard Specification for Seamless Copper Tube for Medical Gas Systems;

2.2.7.54(46) B828 – Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings;

2.2.7.54(47) C260 / C260M-10a – Standard Specification for Air-Entraining Admixtures for Concrete;

2.2.7.54(48) C411 – Standard Test Method for Hot Surface Performance of High Temperature Thermal Insulation;

2.2.7.54(49) C494 / C494M – 13 – Standard Specification for Chemical Admixtures for Concrete;

2.2.7.54(50) C503-05 – Standard Specification for Marble Dimension Stone;

2.2.7.54(51) C518 – Standard Test Method for Steady State Thermal Transmission Properties by Means of Heat Flo Meter Apparatus;

2.2.7.54(52) C533 – Standard Specification for Calcium Silicate Block and Pipe Thermal Insulation;

2.2.7.54(53) C534 – Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form;

2.2.7.54(54) C547 – Standard Specification for Mineral Fiber Pipe Insulation;

2.2.7.54(55) C552 – Standard Specification for Cellular Glass Thermal Insulation;

2.2.7.54(56) C553 – Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications;

2.2.7.54(57) C564 – Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings;

2.2.7.54(58) C568-03 – Standard Specification for Limestone Dimension Stone;

2.2.7.54(59) C612 – Standard Specification for Mineral Fiber Block and Board Thermal Insulation;

2.2.7.54(60) C615-03 – Standard Specification for Granite Dimension Stone;

2.2.7.54(61) C616-03 – Standard Specification for Quartz-Based Dimension Stone;

2.2.7.54(62) C635/C635M-17 – Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings;

2.2.7.54(63) C636 – Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels;

2.2.7.54(64) C645-18 – Standard Specification for Nonstructural Steel Framing Members;

2.2.7.54(65) C754 – Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products;

2.2.7.54(66) C795 – Standard Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel;

2.2.7.54(67) C919 – Standard Practice for Use of Sealants in Acoustical Applications;

2.2.7.54(68) C1048-04 – Standard Specification for Heat-Treated Flat Glass;

2.2.7.54(69) C1036-06 – Standard Specification for Flat Glass;

2.2.7.54(70) C1053 – Borosilicate Glass Pipe and Fittings for Drain Waste and Vent (DWV) Applications;

2.2.7.54(71) C1126 (Gr.1) – Standard Specification for Faced and Unfaced Rigid Cellular Phenolic Thermal Insulation;

2.2.7.54(72) C1349-04 – Standard Specification for Architectural Flat Glass Clad Polycarbonate;

2.2.7.54(73) C1396 / C1396M – Standard Specification for Gypsum Board;

2.2.7.54(74) C1540 – Standard Specification for Heavy Duty Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings;

2.2.7.54(75) C1629 / C1629M – Standard Classification for Abuse-Resistant Non-decorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels;

2.2.7.54(76) D1308 – Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes;

2.2.7.54(77) D1784 – Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds;

2.2.7.54(78) D1785 – Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120;

2.2.7.54(79) D2047 – Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring;

2.2.7.54(80) D 2467 – Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80;

2.2.7.54(81) D2657 – Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings;

2.2.7.54(82) D3222 – Unmodified Poly (Vinylidene Fluoride) (PVDF) Moulding, Extrusion and Coating Materials;

2.2.7.54(83) D3450 – Test Method for Washability Properties of Interior Architectural Coatings;

2.2.7.54(84) D4101 – Specification for Polypropylene Injection and Extrusion Materials;

2.2.7.54(85) D4828 – Standard Test Methods for Practical Washability of Organic Coatings;

2.2.7.54(86) D543 / D543 – 14 Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents;

2.2.7.54(87) D790-10 – Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials;

2.2.7.54(88) E84-12c – Standard Test Method for Surface Burning Characteristics of Building Materials;

2.2.7.54(89) ASTM E90-16: Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements;

2.2.7.54(90) E1300-04e1 – Standard Practice for Determining Load Resistance of Glass in Buildings;

2.2.7.54(91) ASTM E2074-00: Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side-Hinged and Pivoted Swinging Door Assemblies;

2.2.7.54(92) F441 – Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedule 40 and 80;

2.2.7.54(93) F1120 – Standard Specification for Circular Metallic Bellows Type Expansion Joints for Piping Applications;

2.2.7.54(94) F1412 – Polyolefin Pipe and Fittings for Corrosive Waste Drainage Systems;

2.2.7.54(95) F1673 – Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems;

2.2.7.54(96) G21-09 – Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; and

2.2.7.54(97) S325-10e1 – Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength;

2.2.7.55 CAN/ULC Standards and guidelines, including:

2.2.7.55(1) C536 – Flexible Metallic Hose;

2.2.7.55(2) C842 – Guide for the investigation of valves for flammable and combustible liquids;

2.2.7.55(3) S102.2 – Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings and Miscellaneous Materials and Assemblies;

2.2.7.55(4) S104 – Standard Method for Fire Tests of Door Assemblies;

2.2.7.55(5) S107 – Methods of Fire Tests of Roof Coverings;

2.2.7.55(6) S112 – Standard Method of Fire Test of Fire Damper Assemblies;

2.2.7.55(7) S115 – Fire Tests of Fire stop Systems;

2.2.7.55(8) S138 – Standard Method of Test for Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration;

2.2.7.55(9) S524 – Standard for the Installation of Fire Alarm Systems;

2.2.7.55(10) S536 – Inspection and Testing of Fire Alarm Systems;

2.2.7.55(11) S537 – Standard for Verification of Fire Alarm Systems;

2.2.7.55(12) S560 – Standard for Category 3 Aqueous Film-Forming Foam (AFFF) Liquid Concentrates;

2.2.7.55(13) S561 – Installation and Services for Fire Signal Receiving Centres and Systems;

2.2.7.55(14) S576 – Standard for Mass Notification System Equipment and Accessories;

2.2.7.55(15) S631 – Isolation Bushings for Steel Underground Tanks Protected with External Corrosion Protection System;

2.2.7.55(16) S661 – Standard for Overfill Protection Devices for Flammable and Combustible Liquid Storage;

2.2.7.55(17) S663 – Standard for Spill Containment Devices for Flammable and Combustible Liquid Aboveground Storage Tanks;

2.2.7.55(18) S701 – Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering;

2.2.7.55(19) S702 – Standard for Mineral Fibre Thermal Insulation for Buildings;

2.2.7.55(20) S704 – Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced;

2.2.7.55(21) S1001 – Standard for Integrated Systems Testing of Fire Protection and Life Safety Systems;

2.2.7.56 CAN/CGSB Standards and guidelines, including the following:

2.2.7.56(1) 12.20-M – Structural Design of Glass for Buildings;

2.2.7.56(2) 19.13-M87 – Sealing Compound, One Component, Elastomeric, Chemical Curing;

2.2.7.56(3) 19.24-M90 – Multi-Component, Chemical Curing Sealing Compound;

2.2.7.56(4) 37-GP-56M – Membrane Modified Bitinous, Prefabricated, and Reinforced for Roofing; and

2.2.7.56(5) 51.34-M86 – Vapour Barrier, Polyethylene Sheet for Use in Building Construction;

2.2.7.57 CNSC regulatory and guidance documents, including the following:

2.2.7.57(1) GD-52 – Design Guide for Nuclear Substance Laboratories and Nuclear Medicine Rooms; and

2.2.7.57(2) REGDOC-2.12.3 – Security of Nuclear Substances: Sealed Sources;

2.2.7.58 CAN/CSA Standards and guidelines, including the following:

2.2.7.58(1) A23.1 – Concrete Materials and Methods of Concrete Construction;

2.2.7.58(2) A23.1-09/A23.2 – Concrete Materials and Methods of Concrete Construction/Methods of Test and Standard Practices for Concrete;

2.2.7.58(3) A23.3 – Design of Concrete Structures;

2.2.7.58(4) A23.4 – Precast Concrete – Materials and Construction;

2.2.7.58(5) A82.27 – Gypsum Board;

2.2.7.58(6) A123.21 – Standard Test Method for the dynamic wind uplift resistance of membrane roofing systems, Includes Update No. 1

2.2.7.58(7) A231.1/A231.2 – Precast Concrete Paving Slabs/Precast Concrete Pavers;

2.2.7.58(8) A370-04 – Connectors for Masonry;

2.2.7.58(9) A371 – Masonry Construction for Buildings;

2.2.7.58(10) A660 – Certification of Manufacturers of Steel Building Systems;

2.2.7.58(11) B44 – Safety Code for Elevators and Escalators;

2.2.7.58(12) B44.2 – Maintenance Requirements and Intervals for Elevators, Dumbwaiters, Escalators, and Moving Walks;

2.2.7.58(13) B45 Series – 13: Plumbing Fixtures;

2.2.7.58(14) B51 – Boiler, Pressure vessel and Pressure Piping Code;

2.2.7.58(15) B52 – Mechanical Refrigeration Code;

2.2.7.58(16) B64 Series 17 – Backflow Preventers and Vacuum Breakers;

2.2.7.58(17) B64.10 Series – Backflow Preventers and Vacuum Breakers;

2.2.7.58(18) B70 – Cast Iron Soil Pipe, Fittings, and Means of Joining;

2.2.7.58(19) B72:20 – Installation Code for Lightning Protection Systems;

2.2.7.58(20) B79 – Commercial and Residential Drains and Cleanouts;

2.2.7.58(21) B125 – Plumbing Fittings;

2.2.7.58(22) B128.1/B128.2 – Design and Installation of Non-Potable Water Systems / Maintenance and Field Testing of Non-Potable Water Systems;

2.2.7.58(23) B137.5 – Cross-Linked Polyethylene (PEX) Tubing Systems for Pressure Applications;

2.2.7.58(24) B137.6 – Chlorinated polyvinylchloride (CPVC) pipe, tubing, and fittings for hot- and cold-water distribution systems;

2.2.7.58(25) B139 – Installation Code for Oil-Burning Equipment;

2.2.7.58(26) B140.12 – Oil-Fired Service Water Heaters for Domestic Hot Water and Space Heating Use;

2.2.7.58(27) B149.1 – Natural Gas and Propane Installation Code;

2.2.7.58(28) B158.1 – Cast Brass Solder Joint Drainage, Waste, and Vent Fittings;

2.2.7.58(29) B181.2 – PVC Drain Waste and Vent Pipe and Fittings from CSA B 1800 Plastic Non pressure Pipe Compendium;

2.2.7.58(30) B181.3 – Polyolefin Laboratory Drainage Systems;

2.2.7.58(31) B242 – Groove and Shoulder Type Mechanical Pipe Couplings;

2.2.7.58(32) B272 – Pre-Fabricated Self Sealing Roof Vent Flashings;

2.2.7.58(33) B481 – Grease interceptors;

2.2.7.58(34) B602 – Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe;

2.2.7.58(35) B651 – Barrier Free Design;

2.2.7.58(36) C2.1 – Single-Phase and Three-Phase Liquid-Filled Distribution Transformers;

2.2.7.58(37) C9 – Dry Type Transformers;

2.2.7.58(38) C22.1 – Canadian Electrical Code as adopted in British Columbia;

2.2.7.58(39) C22.1-126.1, Metal Cable Tray Systems;

2.2.7.58(40) C22.2-131 – Type TECK 90 Cable;

2.2.7.58(41) C22.2-18, Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware;

2.2.7.58(42) C22.2-178.1, Automatic Transfer Switches for Bypass/Isolating Switches;

2.2.7.58(43) C22.2-31, Switchgear Assemblies;

2.2.7.58(44) C235 – Preferred Voltage Levels for AC Systems, 0 to 50,000 V;

2.2.7.58(45) C282 – Emergency Electrical Power Supply for Buildings;

2.2.7.58(46) C743 – Performance Standard for Rating Packaged Water Chillers;

2.2.7.58(47) G30.18 – Carbon steel bars for concrete reinforcement;

2.2.7.58(48) G40.20/G40.21 – General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel;

2.2.7.58(49) G164 – Hot Dip Galvanizing of Irregularly Shaped Articles;

2.2.7.58(50) O86 – Engineering Design in Wood;

2.2.7.58(51) O177 – Qualification Code for Manufacturers of Structural Glued-Laminated Timber;

2.2.7.58(52) S16 – Design of Steel Structures;

2.2.7.58(53) S136 – North American Specification for Design of Cold Formed Steel Structural Members;

2.2.7.58(54) S157-05/S157.1 – Strength Design in Aluminum;

2.2.7.58(55) S269.3-M92 – Concrete Formwork;

2.2.7.58(56) S304 – Design of Masonry Structures;

2.2.7.58(57) S304.1-04 – Masonry Design for Buildings;

2.2.7.58(58) S413 – Parking Structures;

2.2.7.58(59) S478 – Guideline on Durability of Buildings;

2.2.7.58(60) S832 – Seismic Risk Reduction of Operational and Functional Components (OFCs) of Buildings;

2.2.7.58(61) W47.1 – Certification of Companies for Fusion Welding of Steel;

2.2.7.58(62) W48 – Filler Metals and Allied Materials for Metal Arc Welding;

2.2.7.58(63) W55.3 – Certification of Companies for Resistance Welding of Steel and Aluminum;

2.2.7.58(64) W59 – Welded Steel Construction (Metal Arc Welding);

2.2.7.58(65) W59.2M – Welded Aluminum Construction;

2.2.7.58(66) W186-M1990 (R2002) – Welding of Reinforcing Bars in Reinforced Concrete Construction;

2.2.7.58(67) Z32 – Electrical Safety and Essential Electrical Systems in Health Care Facilities;

2.2.7.58(68) Z305.12 – Safe storage, handling and use of portable oxygen systems in residential buildings and health care facilities;

2.2.7.58(69) Z305.13 – Plume Scavenging;

2.2.7.58(70) Z314.0 – MDR – General requirements;

2.2.7.58(71) Z314.3 – Effective Sterilization in Health Care Settings by the Steam Process;

2.2.7.58(72) Z314.7 – Steam Sterilizers for Health Care Facilities;

2.2.7.58(73) Z314.8 – Decontamination of Reusable Medical Devices;

2.2.7.58(74) Z314-18 – Canadian Medical Device Reprocessing;

2.2.7.58(75) Z314.23 – Chemical Sterilization of Reusable Medical Devices;

2.2.7.58(76) Z316.5 – Fume Hoods and Associated Exhaust Systems;

2.2.7.58(77) Z317.1 – Special Requirements for Plumbing Installations in Health Care Facilities;

2.2.7.58(78) Z317.2 – Special Requirements for HVAC Systems in Health Care Facilities;

2.2.7.58(79) Z317.5 – Illumination Design in Health Care Facilities;

2.2.7.58(80) Z317.10 – Handling of Health Care Waste Materials;

2.2.7.58(81) Z317.11 – Area requirements for Health Care Facilities;

2.2.7.58(82) Z317.13 – Infection Control During Construction, Renovation, and Maintenance of Health Care Facilities;

2.2.7.58(83) Z321 – Signs and Symbols for the Workplace;

2.2.7.58(84) Z358.1 – Emergency Eyewash and Shower Equipment;

2.2.7.58(85) Z364.2.2 – Water Treatment Equipment and Water Quality Requirements for Hemodialysis;

2.2.7.58(86) Z386 – Safe Use of Lasers in Health Care;

2.2.7.58(87) Z412 – Office Ergonomics;

2.2.7.58(88) Z431 – Basic and safety principles for man-machine interface, marking and identification – Coding principles for indicators and actuators;

2.2.7.58(89) Z462 – Workplace Electrical Safety (Harmonized with NFPA 70E);

2.2.7.58(90) Z1002 – Occupational Health and Safety;

2.2.7.58(91) Z7396.1 – Medical Gas Pipeline Systems – Part 1: Pipelines for Medical Gases, Medical Vacuum, Medical Support Gases, and Anaesthetic Gas Scavenging Systems;

2.2.7.58(92) Z7396.2 Medical Gas Pipeline Systems - Part 2: Anaesthetic Gas Scavenging Disposal Systems;

2.2.7.58(93) Z8001 – Commissioning of Health Care Facilities;

2.2.7.58(94) Z9170-1 – Terminal Units for Medical gas Pipeline;

2.2.7.58(95) Z10524-2 – Pressure regulators for use with medical gases – Part 2: Manifold and line pressure regulators;

2.2.7.58(96) Z10535.1 – Hoists for the Transfer of Disabled Persons — Requirements and Test Methods;

2.2.7.58(97) Z10535.2 – Lifts for the transfer of persons – Installation, use, and maintenance;

2.2.7.58(98) Z15190 – Medical laboratories – Requirements for Safety;

2.2.7.58(99) Z15883-2 – Washer-disinfectors Requirements and tests for washer disinfectors employing thermal disinfection for surgical instruments, anaesthetic equipment, bowls, dishes, receivers, utensils, glassware, etc.; and

2.2.7.58(100) Z15883-3 – Washer disinfectors – Part 3: Requirements and tests for washer disinfectors employing thermal disinfection for human waste containers;

2.2.7.59 CAN/CSB Standards and guidelines, including the following:

2.2.7.59(1) 12.20-M89 – Structural Design of Glass for Buildings;

2.2.7.59(2) 51-GP-52MA – Vapour Barrier, Jacket and Facing Material for Pipe, Duct, and Equipment Thermal Insulation; and

2.2.7.59(3) 51.53 – Poly (Vinyl Chloride) Jacket Sheeting, for Insulated Pipes Vessels and Round Ducts;

2.2.7.60 Federal Specifications, including the following:

2.2.7.60(1) QQL-201F – Chemical Analysis - Grade C;

2.2.7.60(2) DD-G-451 – Flat Glass for Glazing, Mirrors and Other Uses;

2.2.7.60(3) QQL-201F – Chemical Analysis, Grade C; and

2.2.7.60(4) DD-G-451;

2.2.7.61 GA Standards, including the following:

2.2.7.61(1) 214 Recommended Levels of Finish for Gypsum Board, Glass-Mat and Fiber-Reinforced Gypsum Panels; and

2.2.7.61(2) 216 Recommended Specifications for the Application and Finishing of Gypsum Board;

2.2.7.62 ICC-ES Standard AC-16;

2.2.7.63 IEEE Standards and guidelines, including the following:

2.2.7.63(1) C57.19.91 - IEEE Standard test code for dry-type distribution and power transformers

2.2.7.63(2) 299 – Standard Method for Measuring, as modified for MRI Testing Methods of Attenuation Measurements for Electromagnetic Shielding Enclosures for Electrical Test Purposes;

2.2.7.63(3) 802.1 – Series for Interworking, Security, Audio/Video Bridging and Data Centre Bridging, and Time Sensitive Networking Standards; and

2.2.7.63(4) 1584 – Guide for Performing Arc-Flash Hazard Calculations.

2.2.7.64 MIL-STD-22A – Method of Insertion – Loss Measurements for Radio Frequency Power Line Filters;

2.2.7.65 MSS Standards, including the following:

2.2.7.65(1) SP-25 – Standard Marking System for Valves, Fittings, Flanges, and Unions;

2.2.7.65(2) SP-42 – Corrosion-Resistant Gate, Globe, Angle, and Check Valves with Flanged and Butt Weld Ends (Classes 150, 300, and 600);

2.2.7.65(3) SP-67 – Butterfly Valves;

2.2.7.65(4) SP-68 – High Pressure Butterfly Valves with Offset Design;

2.2.7.65(5) SP-70 – Cast Iron Gate Valves, Flanged and Threaded Ends;

2.2.7.65(6) SP-71 – Cast Iron Swing Check Valves, Flanged and Threaded Ends;

2.2.7.65(7) SP-72 – Ball valves with Flanged or Butt-Welding ends for General Service;

2.2.7.65(8) SP-78 – Cast Iron Plug Valves;

2.2.7.65(9) SP-80 – Bronze Gate, Globe Angle and Check Valves;

2.2.7.65(10) SP-85 – Cast Iron Globe and Angle Valves, Flanged and Threaded Ends;

2.2.7.65(11) SP-97 – Integrally Reinforced Forged Branch Outlet Fittings – Socket Welding, Threaded, and Buttwelding Ends;

2.2.7.65(12) SP-110 – Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends;

2.2.7.65(13) SP-125 – Gray Iron and Ductile Iron In-Line, Spring-Loaded, Center-Guided Check Valves;

2.2.7.65(14) SP-126 – In-Line, Spring-Assisted, Center-Guided Check Valves (Carbon, Alloy Steel, Stainless Steel, and Nickel Alloys);

2.2.7.65(15) SP-136 – Ductile Iron Swing Check Valves;

2.2.7.65(16) SP-139 – Copper Alloy Gate, Globe, Angle, and Check Valves for Low Pressure/Low Temperature Plumbing Applications;

2.2.7.65(17) SP-58 – Pipe Hangers and Supports - Materials Design and Manufacture;

2.2.7.65(18) SP-69 – Pipe Hangers and Supports - Selection and Application;

2.2.7.65(19) SP-77 – Guidelines for Pipe Support Contractual Relationships;

2.2.7.65(20) SP-90 – Guidelines for Terminology for Pipe Hangers and Supports;

2.2.7.65(21) SP-114 – Corrosion Resistant Pipe Fittings Threaded and Socket Welding Class 150 and 1000; and

2.2.7.65(22) SP-127 – Bracing for Piping Systems Seismic - Wind - Dynamic Design, Selection, Application;

2.2.7.65(23) NEMA Standards, including the following:

2.2.7.65(24) WC7 / ICEA S-66-524 – Cross-Linked-Thermosetting-Polyethylene-Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy;

2.2.7.65(25) ICS 7 – Adjustable-Speed Drives;

2.2.7.65(26) VE 1 – Metal Cable Tray Systems; and

2.2.7.65(27) PB2.2 – Application Guide for Ground-Fault Protection Devices for Equipment;

2.2.7.66 NAPRA Practice and Regulatory Standards, including the following:

2.2.7.66(1) NAPRA Model Standards for Pharmacy Compounding of Non Hazardous Sterile Preparations; and

2.2.7.66(2) NAPRA Model Standards for Pharmacy Compounding of Hazardous Sterile Preparations;

2.2.7.67 NETA Standards and guidelines, including the following:

2.2.7.67(1) ATS Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems; and

2.2.7.67(2) MTS Standard for Maintenance Testing Specifications for Electrical Power Equipment and Systems.

2.2.7.68 NFPA (National Fire Protection Association) Standards and guidelines, including the following:

2.2.7.68(1) 3: Standard for Commissioning of Fire Protection and Life Safety Systems:

2.2.7.68(2) 4: Standard for Integrated Fire Protection and Life Safety System Training

2.2.7.68(3) 10: Standard for Portable Fire Extinguishers;

2.2.7.68(4) 11: Standard for Low, Medium and High Expansion Foam;

2.2.7.68(5) 13: Standard for Installation of Sprinkler Systems;

2.2.7.68(6) 14: Standard for Installation of Standpipe and Hose Systems;

2.2.7.68(7) 16: Standard for the Installation of Standpipe and Hose Systems;

2.2.7.68(8) 17: Standard for Dry-Chemical Extinguishing Systems;

2.2.7.68(9) 17A: Standard for Wet Chemical Extinguishing Systems

2.2.7.68(10) 20: Standard for the Installation of Stationary Pumps for Fire Protection;

2.2.7.68(11) 24: Standard for the Installation of Private Fire Service Mains and Their Appurtenances;

2.2.7.68(12) 25: Standard for Inspection, Testing and Maintenance of Water Based Fire Protection Systems;

2.2.7.68(13) 30: Flammable and Combustible Liquids Code;

2.2.7.68(14) 33: Standard for Spray Application Using Flammable or Combustible Materials;

2.2.7.68(15) 37: Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines;

2.2.7.68(16) 45: Standard on Fire Protection for Laboratories Using Chemicals;

2.2.7.68(17) 55: Compressed Gases and Cryogenic Fluids Code;

2.2.7.68(18) 56F: Non-flammable Medical Gas System;

2.2.7.68(19) 70B: Recommended Practice for Electrical Equipment Maintenance;

2.2.7.68(20) 72: National Fire Alarm and Signaling Code;

2.2.7.68(21) 75: Standard for the Fire Protection of Information Technology Equipment;

2.2.7.68(22) 82: Standard on Incinerators and Waste and Linen Handling Systems and Equipment;

2.2.7.68(23) 90A: Standard for Installation of Air Conditioning and Ventilation Systems;

2.2.7.68(24) 92A: Standard for Smoke Control Systems Utilizing Barriers and Pressure Differences;

2.2.7.68(25) 96: Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations;

2.2.7.68(26) 101: Life Safety Code;

2.2.7.68(27) 141: Standard for Aircraft Rescue and Fire-Fighting Vehicles;

2.2.7.68(28) 214: Standard on Water-Cooling Towers;

2.2.7.68(29) 412: Standard for Evaluating Aircraft Rescue and Fire-Fighting Foam Equipment; and

2.2.7.68(30) 2001: Standard on Clean Agent Fire Extinguishing Systems;

2.2.7.69 NSF/ANSI Standards and guidelines, including the following:

2.2.7.69(1) 14 – Plastic Piping System Components and Related Materials;

2.2.7.69(2) 61-G – Drinking Water System Components – Health Effects; and

2.2.7.69(3) 372 – Drinking Water System Components – Lead Content;

2.2.7.70 Sustainability Standards and guidelines, including the following:

2.2.7.70(1) LEED® Canada Building Design and Construction (BD+C): Healthcare, Latest Edition, Canada Green Building Council;

2.2.7.70(2) LEED® Version 4 Reference Guide for Building Design and Construction: Healthcare, US Green Building Council;

2.2.7.70(3) The Green Guide for Healthcare;

2.2.7.70(4) Green Globes – Environment Assessment for New Buildings;

2.2.7.70(5) Go Green Program, BOMA;

2.2.7.70(6) ASHRAE Green Healthcare Construction Guidance Statement, Jan 2002;

2.2.7.70(7) ASHRAE 90.1 Energy Standards for Buildings;

2.2.7.70(8) ASHRAE Standard 189.1-2017 – Standard for the Design of High-Performance Green Buildings;

2.2.7.70(9) ASHRAE Standard 189.3-2017 – Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities;

2.2.7.70(10) ASTM E917.24401-1 Life Cycle Cost Assessment Methodology;

2.2.7.70(11) Building Materials for the Environmentally Hypersensitive, CMHC;

2.2.7.70(12) BC Hydro New Construction Energy Modeling Guidelines;

2.2.7.70(13) BC Hydro High Performance Building Program;

2.2.7.70(14) Canadian Building Green Hospitals Checklist, Canadian Coalition for Green Healthcare;

2.2.7.70(15) Energy Innovators Initiative, Natural Resources Canada;

2.2.7.70(16) EES Design Guidelines for New Construction and Major Renovations;

2.2.7.70(17) Healthy Built Environment (HBE) Linkages Toolkit, PHSA;

2.2.7.70(18) National Energy Code for Buildings (NECB), National Research Council;

2.2.7.70(19) Sustainable and Climate-Resilient Healthcare Facilities Toolkit; and

2.2.7.70(20) Sustainable Healthcare Architecture, Robin Guenther and Gail Vittori;

2.2.7.71 ISO Standards, including the following:

2.2.7.71(1) ISO 10137:2007 Basis for design of structures – serviceability of buildings and walkways against vibration;

2.2.7.71(2) ISO 14644-1:2015: Cleanrooms and associated controlled environments - Part 1: Classification of air cleanliness by particle concentration;

2.2.7.71(3) ISO 14644-2: Cleanrooms and associated controlled environments - Part 2: Monitoring to provide evidence of cleanroom performance related to air cleanliness by particle concentration.

2.2.7.72 USP Standards and guidelines, including the following:

2.2.7.72(1) 797 – Guidebook to Pharmaceutical Compounding—Sterile Preparations;

2.2.7.72(2) 800 – Hazardous Drugs—Handling in Healthcare Settings; and

2.2.7.72(3) 825 – Radiopharmaceuticals—Preparation, Compounding, Dispensing, and Repackaging;

2.2.7.73 WorkSafe BC Regulations and guidelines, including the following:

2.2.7.73(1) Illumination

2.2.7.73(1)(a) Part 4, General Conditions, Section 4.64 – 4.69.

2.2.7.73(2) HVAC

2.2.7.73(2)(a) Part 4, General Conditions, Indoor Air Quality, Sections 4.70 – 4.80;

2.2.7.73(2)(b) Part 4, General Conditions, Environmental Tobacco Smoke, Sections 4.81 – 4.82;

2.2.7.73(2)(c) Part 5, Flammable and Combustible Substances, Section 5.35; and

2.2.7.73(2)(d) Part 5, Controlling Exposure, Section 5.56.

2.2.7.73(3) Ergonomics

2.2.7.73(3)(a) Part 4, General Conditions, Ergonomics (MSI) Requirements, Sections 4.46 – 4.53; and

2.2.7.73(3)(b) Guidelines Part 4 – Ergonomics (MSI) Requirements Update 2006, G4.46 – 4.53(2).

2.2.7.73(4) Emergency Eyewash / Showers

2.2.7.73(4)(a) Part 5, Chemical Agents and Biological Agents, Definitions, Section 5.1;

2.2.7.73(4)(b) Part 5, Chemical Agents and Biological Agents, Emergency Washing Facilities, Sections 5.85 – 5.96;

2.2.7.73(4)(c) Guidelines Part 5, Emergency Washing Facilities, Issued 1999; and

2.2.7.73(4)(d) Guidelines Part 30, General Requirements, Plumbing, G30.4, Issued 1999.

2.2.7.73(5) Fall Protection

2.2.7.73(5)(a) Part 4, General Conditions, Work Areas Guards and handrails, Sections 4.54 – 4.63; and

2.2.7.73(5)(b) Part 11, Fall Protection, Section G11.1 – G11.10(0.1).

2.2.7.73(6) Emergency Response

2.2.7.73(6)(a) Part 4, General Conditions, Emergency Preparedness and Response, 4.13 – 4.18.

2.2.7.73(7) Eating Areas / Washrooms / Change Areas / Unsafe Water

2.2.7.73(7)(a) Part 4, General Conditions, Occupational Environment Requirements, Section 4.84 – 4.87.

2.2.7.73(8) Electrical Safety

2.2.7.73(8)(a) Part 4, General Conditions, Buildings, Structures, Equipment and Site Conditions, Conformity to Standards, Section 4.4; and

2.2.7.73(8)(b) Part 19, Electrical Safety.

2.2.7.74 Communications Standards and Specifications

2.2.7.74(1) PHSA Communications Infrastructure Standards & Specifications;

2.2.7.74(2) ANSI/TIA 568-D.1-2015 Generic Telecommunications Cabling for Customer Premises standard;

2.2.7.74(3) ANSI/TIA -568-0-D-2015 Commercial Building Telecommunications Cabling Standard;

2.2.7.74(4) ANSI/TIA-568-C.2-2009 Commercial Building Telecommunications Cabling Standard – Balanced Twisted Pair Cabling Components;

2.2.7.74(5) ANSI/TIA-568-C.3-2008 Optical Fiber Cabling Components Standard;

2.2.7.74(6) ANSI/TIA-569-D-2015 Commercial Building Standard for Telecommunications Pathways and Spaces;

2.2.7.74(7) ANSI/TIA-606-B-2011 Administration Standard for Commercial Telecommunications Infrastructure;

2.2.7.74(8) ANSI/TIA -607-C-2015 Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications;

2.2.7.74(9) ANSI/TIA-570-C-2012 Residential Telecommunications Cabling Standard;

2.2.7.74(10) ANSI/TIA-758-B-2012 Customer Owned Outside Plant Telecommunications Cabling Standard;

2.2.7.74(11) ANSI/TIA-1179-2010 Health Care Telecommunications Cabling Standard;

2.2.7.74(12) ANSI/TIA-942-A-2012 Telecommunications Infrastructure Standard for Data Centers;

2.2.7.74(13) ANSI/TIA-TSB-162-A-2013 Telecommunications Cabling Guidelines for wireless Access Points;

2.2.7.74(14) ASHRAE 223P Designation and Classification of Semantic Tags for Building Data;

2.2.7.74(15) IEEE 802.3 series of Ethernet Standards;

2.2.7.74(16) IEEE 802.11 series of Wireless Standards;

2.2.7.74(17) ISO 8802-3 series of Standards;

2.2.7.74(18) ISO 16745-1 Sustainability in buildings and civil engineering works - Carbon metric of an existing building during use stage - Part 1: Calculation, reporting and communication;

2.2.7.74(19) ISO 16745-2 Sustainability in buildings and civil engineering works - Carbon metric of an existing building during use stage - Part 2: Verification;

2.2.7.74(20) BICSI latest technical manuals;

2.2.7.74(21) ANSI/BICSI 002-2014, Data Centers Design and Implementation Best Practices;

2.2.7.74(22) ANSI/BICSI 004-2012, Information Technology Systems Design and Implementation Best Practices for Healthcare Institutions and Facilities;

2.2.7.74(23) ANSI/BICSI 005-2013, Electronic Safety and Security (ESS) System Design and Implementation Best Practices;

2.2.7.74(24) ANSI/BICSI-006-2015 Distributed Antenna System (DAS) Design and Implementation Best Practices;

2.2.7.74(25) ANSI/NECA/BICSI 568-2006, Standard for Installing Commercial Building Telecommunications Cabling;

2.2.7.74(26) BICSI Telecommunications Distribution Methods Manual (TDMM);

2.2.7.74(27) NECA/BICSI 607-2011, Standard for Telecommunications Bonding and Grounding Planning and Installation Methods for Commercial Buildings; and

2.2.7.74(28) UL-1069 Hospital Signalling and Nurse Call Equipment.

2.3 Use of Wood

2.3.1 Use wood as a featured material in both the interior and exterior of the Facility.

2.3.2 As contemplated by the *Wood First Act* (British Columbia), the Design-Builder will incorporate wood products into the Design of the Facility to the extent that the use of wood products is consistent with the requirements of this Schedule and the BCBC.

2.3.3 The Design-Builder will use Wood where indicated as “Appropriate” or “Potentially Appropriate” in Appendix 1B [Wood First Appropriate Use Matrix]. Wood will not be used where indicated as “Inappropriate”.

2.4 Clinical Specifications

2.4.1 The Design-Builder will design and construct the Facility:

2.4.1.1 So that it accommodates all of the spaces, activities, functions, design features and adjacencies described in the Appendix 1A [Clinical Specifications and Functional Space Requirements];

2.4.1.2 In accordance with the requirements of Appendix 1A [Clinical Specifications and Functional Space Requirements], and Appendix 1C [Minimum Room Requirements];

2.4.1.3 The Net Square Metre area for all rooms will not vary by more than 2% of the required area listed in Appendix 1A [Clinical Specifications and Functional Space Requirements]. The Design-Builder will provide a rationale for each variation and demonstrate to the Authority’s satisfaction that the affected rooms retain their functionality. If, in the Authority’s opinion, the room does not meet the required functionality, the full Net Square Metres will be provided as stated in Appendix 1A [Clinical Specifications and Functional Space Requirements].

2.4.1.4 The Design-Builder will avoid creating Unusable Area, which includes:

2.4.1.4(1) corridor circulation space required for access;

2.4.1.4(2) non-functional areas created by acute or obtuse wall angles;

2.4.1.4(3) non-functional L-shaped rooms; and

2.4.1.4(4) all other spaces where the functionality is encumbered by structure, columns, shafts or projections.

2.4.1.5 The Net Square Metre area for all rooms required in Appendix 1A [Clinical Specifications and Functional Space Requirements] will exclude Unusable Area.

2.5 Rooms and Spaces

2.5.1 Notwithstanding anything in Appendix 1A [Clinical Specifications and Functional Space Requirements], the Design-Builder will design and construct the Facility to include all rooms and spaces as required to comply with this Agreement and this Schedule.

2.5.2 The following appendices are intended to represent the minimum requirements for the Facility and include additional civil, architectural, mechanical, electrical and communications criteria:

2.5.2.1 Appendix 1A [Clinical Specifications and Functional Space Requirements]

2.5.2.2 Appendix 1B [Wood First Appropriate Use Matrix]

2.5.2.3 Appendix 1C [Minimum Room Requirements]

2.5.2.4 Appendix 1D [Acoustic and Noise Control Measures]

2.5.2.5 Appendix 1E [Authority Communications Infrastructure Standards & Specifications]

2.5.2.6 Appendix 1F [Systems Responsibility Matrix];

2.5.2.7 Appendix 1G [Site Services];

2.5.2.8 Appendix 1H [Staff Safety Guidelines For Interior Health / Northern Health Facility Design Projects];

2.5.2.9 Appendix 1I [Security Operations Matrix];

2.5.2.10 Appendix 1J [Equipment List];

2.5.2.11 Appendix 1K [Commissioning Roles and Responsibilities Matrix];

2.5.2.12 In addition to the requirements listed within the appendices above, the Design-Builder will provide all appropriate services and connections to ensure full functionality of all equipment listed in Appendix 1J [Equipment List].

2.5.2.13 Notwithstanding anything in the appendices above, the Design and Construction of the Facility will include all of the requirements described in this Schedule.

2.6 Mock-up and In-Situ Prototype Rooms

2.6.1 The Design-Builder will, as part of the process described in Schedule 2 [Review Procedure], provide and make available to the Authority for review the mock-ups and in-situ prototype rooms described in this Section.

2.6.2 The timing of the Construction and review of these mock-ups and in-situ prototype rooms will be such that any adjustment to the Design can be accommodated without additional cost to the Authority or delay to the Project. The fully-constructed mock-up rooms will remain available to the Authority through the course of Design.

2.6.3 The Design-Builder will provide the hardware, software and supporting services to facilitate 3D design visualization and virtual reality mock-ups. The mock-up space will include one fixed performance VR-ready workstation with two fixed, large format viewing displays in addition to the workstation operator display.

2.6.4 The Design-Builder will include dates on the Submittal Schedule for Construction of and for the Authority's review of mock-ups and in-situ prototype rooms. The time periods for the Authority review and comments on Submittals set out in Schedule 2 [Review Procedure] will apply to mock-ups.

2.6.5 By the date set out in the Submittal Schedule, the Design-Builder will provide 1:1 scale paper (using either paper, tape markings on the floor or similar), virtual reality, fully constructed mock-ups and in-situ prototypes that will include all actual materials, dimensions, finishes, location and configuration of Millwork, Modular Casework, services, controls, equipment, Clinical Systems Furniture, equipment and Furniture included in the Design of the room so that the Authority can experience all features of the Design and conduct its reviews and make design decisions.

2.6.6 Mock-ups of the following rooms will be provided:

Ref No	Room Description	Paper	Virtual Reality	Mock-Up Rooms	In-Situ Prototype Rooms
A3.17	Care Team Station-Large		✔		
B4.2	Care Team Station-Large		✔	✔	
C3.2 and B6.2	Care Team Station and Care Team Station-Small		✔		
A1.4	Interview Room-Triage		✔	✔	

Ref No	Room Description	Paper	Virtual Reality	Mock-Up Rooms	In-Situ Prototype Rooms
A1.5	Exam Room-Triage		✔	✔	
A3.1	Resuscitation Room	✔	✔		
A3.2	Exam/Treatment Room		✔	✔	
A3.3	Exam/Treatment Room-Safe				✔
A4.4	Exam/Treatment Room-Streaming	✔	✔		
A3.20/B6.8	Medication Room	✔	✔		
B2.5	Alcove-Observation	✔	✔	✔	✔
B2.1/5.1 & B2.1.1/5.1.1	Patient Room-Private with Washroom/Shower-Ensuite	✔	✔	✔	✔
B2.2/5.2 & B2.2.1/5.2.1	Patient Room-Shared with Washroom/Shower-Ensuite-Shared	✔	✔		
B2.4/5.4, B2.4.1/5.4.1 & B2.4.2/5.4.2	Patient Room-Private-Bariatric-AIR with Anteroom-AIR and Washroom/Shower-Ensuite-Bariatric-AIR	✔	✔		
C2.1	Exam Room-Triage/Observation	✔	✔	✔	
C2.4 & C2.4.1	Patient Room-Private-SRMC with Washroom/Shower/Tub-Ensuite	✔	✔	✔	✔
C2.8 & C2.8.1	Patient Room-Private-Nursery with Washroom/Shower Ensuite	✔	✔		

2.6.7 Equipment and Furniture may be actual pieces or replicas but will accurately represent the actual physical dimensions.

2.6.8 The Design-Builder will construct mock-ups of each type of Patient service unit, e.g. Patient service modules (vertical or horizontal), consoles, ceiling columns, booms, telescoping booms, etc.

2.6.9 The purpose of the mock-up will illustrate the Design. The Design-Builder will update all Design documentation to reflect the mock-up and in-situ prototype rooms, and any input from the Authority, including User Consultation Groups, and will submit all such updated Design documentation to the Authority for review in accordance with the process described in Schedule 2 [Review Procedure].

2.6.10 The Design-Builder will construct working mock-ups (at appropriate heights) of hand hygiene sinks and scrub sinks.

2.6.11 The Design-Builder will modify the mock-ups as may be required throughout development of the Design.

2.6.12 The Design-Builder to confirm additional mock-up room requirements with the Authority.

2.6.13 The Design-Builder will provide a site in the City for the mock-ups that is acceptable to the Authority. Mock-ups can be at a location either within the Facility as it is under Construction or at another location provided by the Design-Builder near the Facility. In-situ prototype rooms will be provided in the Facility and be made available to the Authority for review at the appropriate stages of Construction.

2.6.14 The mock-up site will include a large, dedicated meeting space suitable for 20 users and provide wired and wireless computer networking infrastructure designed for high-bandwidth and low-latency.

2.7 Not Used

2.8 Requirements During Construction

2.8.1 Site Access During Construction

2.8.1.1 The Design-Builder will provide security and facilities as required to protect the Work from unauthorized entry, vandalism or theft.

2.8.2 Protection of Property

2.8.2.1 The Design-Builder will:

2.8.2.1(1) protect the Authority's property, and any third party's property, from damage caused by the Construction, including buildings, roadways, drainage systems, landscaping, surfaces, services and infrastructure; and

2.8.2.1(2) promptly repair any damage to property caused by the Design-Builder in undertaking the Construction, including any damage caused by Site settlement or ground vibration.

2.8.2.2 The Design-Builder will coordinate with the Authority, who will be responsible for removing and relocating the existing memorial plaque at the CMH Campus.

2.8.2.3 The Design-Builder will co-operate with the Authority and take all reasonable steps to avoid disrupting equipment and services in the Existing Hospital, including meeting with the Authority's Staff and equipment suppliers in advance of Construction to develop a Work Plan describing measures that the Design-Builder will take to minimize any potential disruption or interference, and implementing the Work Plan, all in accordance with this Schedule.

2.8.2.3(1) Without limiting the Design-Builder's obligations under the Agreement, the Design-Builder will monitor Site settlement and ground vibration during Construction and take additional steps as may be required to avoid equipment or service disruptions as the Construction progresses. In addition to its obligations to promptly repair any damage to property as required by this Schedule, if any vibration exceeds the tolerances established and if any Authority equipment or services is disrupted as a result of Construction caused settlement or ground vibration outside the established tolerances, the Design-Builder will, at its cost, arrange for the Authority's equipment suppliers to re-calibrate the equipment and return it to service as quickly as possible. The Design-Builder will not be responsible for recalibration as part of regular maintenance of equipment.

2.8.3 Survey and Monitoring

2.8.3.1 Refer to Section 13 of the Agreement for the Design-Builder's survey and monitoring obligations.

2.8.3.2 The Site settlement monitoring will include monitoring of all locations with limitations on settlement. The Design-Builder will appoint a registered British Columbia Land Surveyor to carry out the settlement monitoring.

2.8.4 Control of Construction Noise and Vibration

2.8.4.1 The Design-Builder will monitor and control noise and vibration transfer to the Existing Hospital and neighbouring properties by doing the following:

2.8.4.1(1) Retaining an Acoustic and Vibration Consultant to provide the Construction noise and vibration assessment and monitoring services outlined in this Section;

2.8.4.1(2) Meeting all local bylaw requirements, requirements of this Schedule, and conditions set through communications and agreement between the Design-Builder and the Authority relating to Construction noise and vibration. Where there are discrepancies in criteria, the most stringent will apply;

2.8.4.1(3) The Existing Hospital operations will not be disrupted by noise and vibration without prior approval from the Authority for scheduled Construction activities;

2.8.4.1(4) Construction activity will be limited to the hours permitted under the City of Williams Lake Good Neighbour Bylaw noise restrictions;

2.8.4.1(5) Any significant vibration-inducing activities will be tested at a safe distance from sensitive locations to establish magnitude and dissipation rate of vibration which will be used to determine appropriate procedures or modifications of methods to perform the activity;

2.8.4.1(6) Under no circumstances will noise exceed 80 dBA LAS at neighbouring property lines or within the Existing Hospital's buildings;

2.8.4.1(7) To prevent cosmetic damage, vibration will not exceed 5.0 mm/s peak particle velocity at any time of day or any day of the week when measured in the Existing Hospital or on any neighbouring building; and

2.8.4.1(8) All reasonable efforts will be made to provide good communication with CMH, the Authority, and any other parties of interest about potential noise and vibration caused by Construction activity.

2.8.4.2 Provide a pre-Construction noise and vibration survey of the Existing Hospital's facilities, to be completed in consultation and coordination with the Authority to establish the sensitivity of the Existing Hospital and existing equipment. The pre-Construction noise and vibration survey will include the following:

2.8.4.2(1) Gathering information on the Existing Hospital's spaces, operational requirements, and equipment with respect to noise and vibration;

2.8.4.2(2) Developing a preliminary test plan that includes date(s), types of measurements, durations, locations, and timing, for coordination with and approval by the Authority;

2.8.4.2(3) Performing noise and vibration measurements to establish normal operational levels in representative noise and vibration sensitive spaces (where spaces have similar activities/operations, building structure, or other similarities, a single location may be chosen to take representative measurements), including staged activities appropriate to each space such as movement of people and equipment, and walking at medium and fast paces as is appropriate for each space. Measurements will be taken at a

minimum of 12 representative locations for each of vibration and sound for a minimum of 20 minutes each;

2.8.4.2(4) Where appropriate, measurements will be taken with increasing vibration intensity of staged activity while operational interference is identified by equipment users to identify threshold limits for various equipment, and particularly for imaging equipment;

2.8.4.2(5) Collecting manufacturer's data for vibration sensitive equipment, where possible, with support from the Facility users, to use for establishing vibration sensitivities of equipment; and

2.8.4.3 Based on the Pre-Construction Noise and Vibration Survey, provide a Construction Noise and Vibration Report for review and approval by the Authority pursuant to the Review Procedure by the Authority at least three (3) months before the start of any Construction or demolition work, summarizing:

2.8.4.3(1) The measurement locations;

2.8.4.3(2) The measured levels that include a minimum of:

2.8.4.3(2)(a) Maximum LAeq and LASmax for noise; and,

2.8.4.3(2)(b) Maximum RMS (1 second average) and PPV for the frequency range of 1 to 100 Hz for vibration.

2.8.4.3(3) Plots of the measured levels vs. time and indications of activities that occurred during the measurements;

2.8.4.3(4) Interpretation of vibration sensitivity of imaging and other vibration sensitive equipment based upon manufacturer's data or published generic vibration limits for similar equipment types;

2.8.4.3(5) Proposed noise and vibration 'warning' and 'stop work' levels for each measured space and the locations that the measured spaces represent (e.g., those spaces not measured but expected to have similar sensitivities);

2.8.4.3(6) Proposed noise and vibration 'warning' and 'stop work' levels will be set to limit false alarms but also to avoid disruption to the Existing Hospital and its occupants;

2.8.4.3(7) Noise 'warning' levels will be no more than 3 dB above maximum expected daily operations levels and noise 'stop work' levels will be no more than 6 dB above the maximum expected daily operations levels;

2.8.4.3(8) Proposed vibration ‘warning’ and ‘stop work’ levels will take into account the measurements taken on site, generic criteria from various published sources and any specific equipment requirements;

2.8.4.3(9) Some equipment with specific noise or vibration requirements (such as MRI and other imaging equipment) may require more complex monitoring systems to address frequency-based variations in sensitivity; and

2.8.4.3(10) Recommended Construction noise and vibration monitoring locations.

2.8.4.4 Provide a Construction Noise and Vibration Management Plan, with the pre-Construction Noise and Vibration Survey, that develops and outlines the following:

2.8.4.4(1) Planned Construction activities along with locations and timing for the duration of Construction;

2.8.4.4(2) Estimated noise and vibration levels from Construction/demolition activities and their expected impact on the Existing Hospital operations based on proximity of Construction activity to sensitive space locations;

2.8.4.4(3) Description of planned specific noise and vibration control measures to be taken to reduce noise and vibration levels on the Existing Hospital and surrounding properties;

2.8.4.4(4) Monitoring plan that includes number of monitors, locations of monitors and automated ‘warning; and ‘stop work’ alert settings;

2.8.4.4(5) Reporting plan that will include a weekly noise and vibration monitoring summary report and a weekly 3-week noise and vibration outlook;

2.8.4.4(6) Response plan that includes:

2.8.4.4(6)(a) The response plan for ‘warning’ and ‘stop work’ alerts

2.8.4.4(6)(b) The procedure, response plan, and contact information for noise and vibration complaints.

2.8.4.4(6)(c) A proposed list of individuals to be provided with automated ‘warning’ and ‘stop work’ alerts; and

2.8.4.4(6)(d) Contact names and numbers for any Construction noise and vibration related issues.

2.8.4.5 The Design-Builder will provide and comply with a Long-Term Noise and Vibration Monitoring Program that includes the following:

2.8.4.5(1) Provide a system capable of continuous monitoring for the duration of Construction;

2.8.4.5(2) The monitoring system will be capable of providing alerts via SMS and email with programmable ‘warning’ and ‘stop work’ levels for each location;

2.8.4.5(3) Automated ‘warning’ and ‘stop work’ alerts must be received within 5 minutes of a noise and/or vibration exceedance via SMS and/or email to a pre-identified list of individuals that is agreed to with the Authority;

2.8.4.5(4) The monitoring system will upload data to a website/cloud-based system capable of near real-time review and assessment and will be made accessible to CMH management and the Authority;

2.8.4.5(5) The monitoring system will be set up at least one (1) month in advance of Construction activities to assess effectiveness of monitoring locations and criteria and to allow for adjustments to ensure smooth system operation before Construction begins;

2.8.4.5(6) Monitoring will be provided at a maximum of two (2) interior noise locations, two (2) interior vibration locations, and the following locations for the shoring and excavation period of Construction: one (1) outdoor noise monitoring location, and one (1) vibration monitor at the nearest non-hospital building;

2.8.4.5(7) Vibration monitoring locations are expected to be located at lower levels where vibration levels are highest and/or in the most sensitive locations;

2.8.4.5(8) Noise monitoring locations are expected to be at spaces that are closest to Construction noise and/or in the most noise sensitive locations unless substantial structure-borne noise is expected to be imparted on the Existing Hospital structure;

2.8.4.5(9) Monitoring locations will be at the most sensitive representative receptors that are closest to Construction activity, and will consider noise and vibration transfer in all directions relative to the Construction activity;

2.8.4.5(10) Adjustments to monitoring locations and to ‘warning’ and ‘stop work’ alert thresholds must be agreed to in writing by the Authority;

2.8.4.5(11) Upon receiving a ‘warning’ alert, the Design-Builder will respond within five (5) minutes and will identify the source of the noise or vibration causing the ‘warning’ and cease operations of that activity and consider alternative lower noise/vibration methods or proceed cautiously in a manner that is expected to reduce the noise or vibration output of the activity;

2.8.4.5(12) Upon receiving a ‘stop work’ alert, the Design-Builder will respond within five (5) minutes and will cease all Construction operations until the source of the exceedance is identified. Upon identification of the Construction activity responsible for the ‘stop work’ alert, the Design-Builder will use alternative noise/vibration methods to proceed with the activity;

2.8.4.5(13) The Design-Builder will provide written notice via email within two (2) hours of all noise/vibration alerts providing the following:

2.8.4.5(13)(a) The location from which the alert was received;

2.8.4.5(13)(b) A description of the location and Construction activity that caused the alert;

2.8.4.5(13)(c) The corrective action taken to allow the work to proceed; and

2.8.4.5(13)(d) Information of relevance such as intent to re-schedule work.

2.8.4.5(14) If noise/vibration alerts are repeatedly determined to be caused by sources other than Construction activity, a proposal to move the monitor to a new location and/or change of alert levels may be provided to the Authority for approval;

2.8.4.5(15) Noise/vibration inducing Construction activities that are expected to cause ‘warning’ or ‘stop work’ alerts will be avoided as much as is practical but where high noise/vibration activities cannot be avoided, the Design-Builder must coordinate and schedule these activities with the Authority to find a mutually agreeable time. This will require careful planning and communication on the part of the Design-Builder including, as a minimum:

2.8.4.5(15)(a) Request to schedule high noise and/or vibration activity at least two (2) weeks ahead of performing activity, and;

2.8.4.5(15)(b) Upon approval, provide reminders and notices one (1) week in advance and one (1) day in advance of the activity to those identified to receive Construction noise and vibration communications.

2.8.4.5(16) The Design-Builder will provide the Authority with a weekly noise and vibration report that includes a minimum of the following:

2.8.4.5(16)(a) Summary and graphs of noise and vibration levels measured over the previous two (2) weeks

2.8.4.5(16)(b) List of all ‘warning’ and ‘stop work’ alerts including the location from which the alert was received, a description of the location and Construction activity that caused the alert, and the corrective action taken to allow the work to proceed, and any notes or follow-up to be done;

2.8.4.5(16)(c) Updates to the noise and vibration control efforts being made on the Construction Site; and

2.8.4.5(16)(d) A three (3) week schedule of upcoming noise and vibration producing activities.

2.8.4.5(17) Noise and Vibration complaints will be dealt with through the appropriate channels as outlined in the Construction Noise and Vibration Management Plan and will be followed up with the following actions:

2.8.4.5(17)(a) The time and location of the event will be noted;

2.8.4.5(17)(b) The logged data from all monitors for the day of the event will be reviewed and any anomalies or deviations will be identified and compared with both the normal levels and the alert levels for the area of concern;

2.8.4.5(17)(c) The Construction activities that occurred on the day of the complaint event will be reviewed to determine the potential source of complaint;

2.8.4.5(17)(d) The Design-Builder will propose appropriate actions to address the concern and potential future issues related to the complaint; and

2.8.4.5(17)(e) The above will be summarized in a brief document and provided to the individuals identified in the Construction Noise and Vibration Management Plan.

2.8.5 Infection Control and Control of Dust and Noxious Odours

2.8.5.1 The Design-Builder will:

2.8.5.1(1) take all steps, including any specific steps reasonably required by the Authority, to minimize dust and noxious odours including diesel exhaust from the Construction, including demolition and preparation of the Site, and to mitigate any adverse effects on the Existing Hospital and neighbouring properties;

2.8.5.1(2) ensure all diesel equipment will have exhaust purifier scrubbers that comply with all regulations pertaining to concentrations of Carbon Monoxide (CO), Hydrocarbons (HC) and Particulate Matter (PM) exhaust pollutants. The Design-Builder will provide appropriate meters;

2.8.5.1(3) test concentration levels on the CMH Campus, as will be required by the Authority from time to time;

2.8.5.1(4) clean all adjacent buildings, roadways, pathways, and other areas directly affected by the Construction at regular intervals to the satisfaction of the Authority to prevent buildup of dirt and dust caused by the Construction and maintain them in the same condition as found and determined by the pre-condition surveys; and

2.8.5.1(5) without limiting the Design-Builder's obligation under the Section above:

2.8.5.1(5)(a) Comply with applicable/relevant sections of the CSA Standard Z317.13 (Infection Control During Construction, Renovation and Maintenance of health Care Facilities).

2.8.5.1(5)(b) Implement a comprehensive infection control risk management system and develop an Infection Prevention and Control Plan, prior to commencing any work.

(b).1 The Infection Prevention and Control Plan will be submitted to the Authority for review in accordance with Appendix 2A [Submittals], Schedule 2 [Review Procedure].

2.8.5.1(5)(c) Ensure every individual who performs Work at the Site is appropriately infection prevention and control trained in either the CSA Group course(s) or acceptable alternative as approved by the Authority.

2.8.5.1(5)(d) Retain an Infection Control Practitioner to:

(d).1 Develop the Infection Prevention and Control Management Plan;

(d).2 Perform infection prevention and control training;
(d).3 Assist with regular Site inspections of relevant Work areas;
(d).4 Perform regular audits on the implemented infection control risk management system and related protocols, processes and documents;
(d).5 Assist with monitoring compliance with relevant/applicable sections of the CSA Standard Z317.13-17;
(d).6 Assist with developing required infection prevention and control procedures, method statements, checklist, records etc., as required; and/or
(d).7 Perform air monitoring as required.

2.8.5.1(5)(e) Perform and record – with internal, trained personnel – minimum daily inspections and undertake prompt corrective actions where infection risks have been identified.
(e).1 Work area inspections will also be performed by the Design-Builder's Subcontractors.

2.8.5.1(5)(f) Submit to the Authority a monthly Infection Prevention and Control Statistics Performance Report on no later than the 5th Business Day of the following month, that:
(f).1 Outlines the steps undertaken by the Design-Builder to comply with CSA Standard Z317.13-17;
(f).2 Confirms the Design-Builder's compliance with CSA Standard Z317.13-17; and
(f).3 Briefly details non-conformances and corrective actions undertaken to rectify the issue(s).

2.8.5.1(5)(g) Perform a final construction clean meeting the requirements set out in CSA Z317.13-17 prior to Substantial Completion.
(g).1 The inspection form(s) and a final summary report will be submitted to the Authority for review, prior to Substantial Completion.

2.8.5.1(5)(h) The Design-Builder will participate in Multidisciplinary team (MDT) meetings regularly and on MDT members request to discuss Infection Control Risk Assessment (ICRA) and disclose any and all changes and problems with preventative measures during scope of this Project.

2.8.6 Waste Management - Hazardous and Non-Hazardous

2.8.6.1 The Design-Builder will

2.8.6.1(1) Comply with provincial and municipal requirements with respect to waste management on construction sites;

2.8.6.1(2) Manage waste generated from the Site in accordance with City Standards;

2.8.6.1(3) Take an active role in implementing environmentally sound business practices and producing goods and services that lessen the burden on the environment in production, use and final disposition. The Design-Builder will implement reduction, reuse and recycling strategies and the use of environmentally sound products;

2.8.6.1(4) Only retain Subcontractors pre-approved by the Authority for the removal and disposal of special waste and hazardous waste in the Existing Hospital, as applicable. Removal and disposal of all other special waste and hazardous waste will be by trained personnel or a specialty Subcontractor, as retained by the Design-Builder;

2.8.6.1(5) Designate an area or areas for location of bins and source separation of materials. Keep the area(s) clean and organized. If comingled bins are to be used, ensure that off-Site sorting company will remain committed to a required waste diversion rate;

2.8.6.1(6) Store and dispose of hazardous waste materials in accordance with this Schedule and the requirements of the Authority Having Jurisdiction;

2.8.6.1(7) Implement waste reduction by reducing or eliminating excessive packaging practices; and

2.8.6.1(8) Use, where appropriate, combination of packaging materials such as re-usable containers, blanket wrap or cushioning material provided that all reasonable requirements of materials handling, transportation and storage are observed.

2.8.7 Adjacent Facilities Interference

2.8.7.1 Construction work and related equipment or machinery will not interfere with CMH’s 24/7 operations.

2.8.8 Systems Shutdowns and Interruptions

2.8.8.1 The Design-Builder will submit for review by the Authority, at the same time as the Time Schedule is required, a schedule of all required systems shutdowns and interruptions.

2.8.8.2 The Design-Builder will use the Authority's FMO Information to Contractors and CMH Shut Down Request forms, which will be provided to the Design-Builder, and will notify the Authority in writing of all required systems shutdowns and interruptions as follows:

2.8.8.2(1) Major impacts of systems shutdowns and interruptions will be requested 60 calendar days in advance;

2.8.8.2(2) Medium impacts of systems shutdowns and interruptions will be requested 30 calendar days in advance; and

2.8.8.2(3) Minor impacts of systems shutdowns and interruptions will be requested 14 calendar days in advance.

2.8.8.3 The major, medium and minor impacts described above refer to the following:

2.8.8.3(1) Major impacts are those which directly impact the Authority's 24/7 operations requiring cancellation of services, revisions to service schedule, movement or relocation of Patients and services. Significant coordination required across multiple disciplines;

2.8.8.3(2) Medium impacts are those which directly impact the Authority's 24/7 operations, but do not require cancellation of services, relocation of Patients or services. Coordination required with only those Components directly affected; and

2.8.8.3(3) Minor impacts are those which have minimal impact on the Authority's 24/7 operations. Coordination required with singular service and FMO.

PART 3. DESIGN PRINCIPLES AND OBJECTIVES

3.1 Project Vision and Design Objectives

3.1.1 The Authority's vision for the Project is that the Project will:

3.1.1.1 Build Patient care through an achievable and affordable capital renewal solution that supports CMH's care role now and into the future;

3.1.1.2 Provide a state-of-the-art Facility with technologies that improve the Patient experience, maximize health improvement within a healing environment and improve the physical working conditions for Staff;

3.1.1.3 Align services with identified specialized and acute care needs for Patients living in the Cariboo;

3.1.1.4 Develop the Site and certain off-Site areas to provide improved Patient flow and access to services within the CMH Campus;

3.1.1.5 Provide a Design that reflects a commitment to Aboriginal reconciliation, recognizing that the Facility will be located on the traditional territory of the Secwépemc First Nation and neighbouring the traditional territories of the Tsilhqot'in and Dãkelh Dené First Nations, which together include fifteen (15) First Nations member communities. The local area is also home to the Cariboo Chilcotin Métis Association and a large urban Aboriginal population. The Facility will provide health care services to all Aboriginal people in the region;

3.1.1.6 In collaboration with the Authority and utilizing the Authority's brand and inclusive sign guidelines for exterior and interior wayfinding, provide a Design that is welcoming and accessible for Persons with Disabilities and lays the foundations for delivering culturally safe care for a multicultural population;

3.1.1.7 Provide a Design that promotes health, wellness and productivity through features that incorporate elements of nature into the indoor environment, including natural finishes and textures, appropriate use of colour, and windows for natural daylight and views of nature;

3.1.1.8 Provide a Design that incorporates positive enhancements into the built environment, such as art, music and opportunities to participate in traditional Aboriginal healing practices; and

3.1.1.9 Provide a Design that positions the Facility within the surrounding community as a gateway to positive health outcomes.

3.1.2 Guiding Principles and Critical Success Factors

3.1.2.1 The overarching principles guiding the Project are:

3.1.2.1(1) Develop spaces to maximize the long-term flexibility and adaptability of interior spaces and to maintain a high level of utilization;

3.1.2.1(2) Implement the principles and processes of Lean Health Care, as described in Section 3.4;

3.1.2.1(3) Incorporate Patient-centred and elder-friendly design concepts to improve the Patient experience;

3.1.2.1(4) Incorporate standardization of spaces and incorporate lessons learned from other major capital healthcare projects wherever possible;

3.1.2.1(5) Engage users and Patients in planning and design;

3.1.2.1(6) Focus on environmental sustainability stewardship through the Design and operation of the Facility; and

3.1.2.1(7) Support clinical education activities to help rectify the critical shortage of health care providers.

3.1.3 Project Objectives

3.1.3.1 In support of the Project Vision and Guiding Principles, the Authority's design objectives for the Project (the "Project Design Objectives") are as follows:

3.1.3.1(1) Design, Health and Wellness

3.1.3.1(1)(a) Deliver a Facility that is Patient-centred, supports the guiding principles and achieves departmental or Component objectives;

3.1.3.1(1)(b) Incorporate design features that enhance the well-being of Patients, families, visitors, Staff and communities, including those with Aboriginal ancestry;

3.1.3.1(1)(c) Improve the model of care delivery and Patient outcomes, including Patient safety, through application of Patient-centred, Evidence Based Design principles and Standards for health care facility design and construction; and

3.1.3.1(1)(d) Provide a Design that creates a welcoming environment for the community of users and includes private treatment spaces in balance with non-clinical use spaces that offer comfort and relaxation;

3.1.3.1(2) Collaboration

3.1.3.1(2)(a) Provide a Design that:

(a).1 optimizes opportunities for collaboration between Patients, care providers, learners and researchers;

(a).2 includes workplaces designed to enable innovative and collaborative methods of working that incorporate new and emerging technologies, accommodate diverse working styles and optimize flexibility and space utilization; and

(a).3 is characterized by an environment that supports excellence and innovation in the delivery of safe, high quality health care and where Staff, care providers and others will work together collaboratively in promoting Patient health and wellness;

3.1.3.1(3) Flexibility and Adaptability

3.1.3.1(3)(a) Provide a Design that:

(a).1 empowers the Authority to deliver ongoing clinical excellence through integrated flexible services;

(a).2 maximizes long-term adaptability for service delivery to maintain a high level of space utilization;

(a).3 Optimizes the flexible use of space or “soft space” within the configuration provided;

(a).4 facilitates the performance of the Phase 2 Renovations;

(a).5 Not Used

(a).6 allows for additional capacity in all Building Systems; and

(a).7 locates structural and other fixed elements to minimize constraints on clinical and service spaces.

3.1.3.1(4) Person- and Family-Centred Design

3.1.3.1(4)(a) Provide a Design that:

(a).1 supports and facilitates Person- and Family-Centred Care;

(a).2 supports excellence and innovation in the delivery of safe, quality health care; and

(a).3 incorporates Person- and Family-Centred Care and elder-friendly design concepts to improve

the Patient and family experience and enhance Patient safety;

3.1.3.1(5) Sustainability

3.1.3.1(5)(a) Provide interior and exterior Design that supports the Authority's goal to avoid, reduce, repurpose and recycle waste; and

3.1.3.1(5)(b) Optimize utilization of health care services and resource efficiencies to assist in health system sustainability initiatives;

3.1.3.1(6) Wayfinding

3.1.3.1(6)(a) Provide a Design that uses progressive disclosure principles to creates an intuitive Wayfinding experience to simplify and improve Patient, visitor and Staff flows within the Site;

3.1.3.1(6)(b) Provide signage and other environmental graphics as part of the Design that are simple, legible and intuitive and consider visitors' cognitive, visual or mobility impairments;

3.1.3.1(6)(c) Provide a Design that allows ease of access for Patients and Staff both within the Facility and the CMH Campus, and to and from the surrounding public transit stops, drop-off and parking areas;

3.1.3.1(6)(d) Provide a Design that locates vertical circulation elements such as stairs and elevators to promote their usage through intuitive, visible and accessible placement; and

3.1.3.1(6)(e) Provide separation of flows in the circulation system between public, Patient and materials distribution by providing Front of House and Back of House corridors.

3.1.3.1(7) Maintenance and Operations

3.1.3.1(7)(a) Incorporate efficiencies and innovations that allow integration of systems to minimize long-term operation and maintenance costs for the Authority;

3.1.3.1(7)(b) Minimize the need for the Authority to undertake work that causes disruption to occupants and business continuity;

3.1.3.1(7)(c) Minimize overall capital and operating costs for the Facility by designing to enable efficient and economical maintenance, repair and replacement of infrastructure;

3.1.3.1(7)(d) Incorporate the need for the Authority to maintain and store critical spares;

3.1.3.1(7)(e) Maximize the Authority's response time to acquire specialized maintenance, repair and replacement services for critical infrastructure and equipment through Design of equipment and infrastructure that have local service capabilities; and

3.1.3.1(7)(f) Maintain full 24/7 operations of the Existing Hospital throughout the Construction and operational transition phase for the Facility;

3.1.3.1(8) Safety

3.1.3.1(8)(a) Provide a Design in accordance with CPTED principles, having particular regard for theft, mischief and vandalism to mitigate potential adverse events; and

3.1.3.1(8)(b) Create a healthy and safe work environment that improves employee engagement, recruitment and retention, and provides an environment that minimizes the opportunity for workplace injuries;

3.1.3.1(9) Technology

3.1.3.1(9)(a) Provide a Design that enables the Authority's use of technology to improve cost effectiveness, integrate services, and achieve better health outcomes;

3.1.3.1(9)(b) Provide a Design where technology is planned in parallel with the clinical work processes to support efficient operations so that Staff can communicate easily, supplies and equipment are readily available, and information is accessible;

3.1.3.1(9)(c) Support the IM/IT strategic plan by providing a robust, flexible technical infrastructure that enables current and emerging technology to support care, learning, and innovation;

3.1.3.1(9)(d) Implement integrated electronic medical records across the Patient continuum of care, including advanced clinical functionality such as electronic clinical

documentation, computerized physician order entry, closed loop medication verification and bedside medication verification;

3.1.4 Departmental Objectives

3.1.4.1 Emergency Department

3.1.4.1(1) Provide 24-hour triage and assessment of Patients presenting at the ED by means of an Interview Room-Triage and an Exam Room-Triage configured to support integrated Staff workflow;

3.1.4.1(2) Provide after-hours registration for CMH in the ED at a fully enabled and equipped registration desk at Workstation Registration;

3.1.4.1(3) Receive Patients arriving at the Facility by ambulance via the Covered Ambulance Drive-Through with a separate access vestibule into the ED and ensure monitoring and holding of non-ambulatory arriving Patients in designated stretcher bays;

3.1.4.1(4) Ensure decontamination of Patients and Staff exposed to harmful chemicals, toxic substances or novel pathogens in a separate Decontamination Room;

3.1.4.1(5) Stabilize, diagnose and treat presenting Patients' health conditions in various general and specialized Exam/Treatment Rooms allocated to meet anticipated needs, including the following:

3.1.4.1(5)(a) Isolation of any Patient who may be highly infectious in an Airborne Isolation Room;

3.1.4.1(5)(b) Containment of and minimization of disturbance by any Patient who may be agitated and require psychiatric assessment or treatment in a Secure Room;

3.1.4.1(5)(c) Minor procedures requiring sedation and 1:1 nursing, including for pediatric Patients;

3.1.4.1(5)(d) A safe exam/treatment environment for any Patient suspected of experiencing psychiatric difficulties, in the Exam/Treatment Room-Safe;

3.1.4.1(5)(e) Medical treatment procedures such as IV therapy in each Exam/Treatment Bay-Streaming;

3.1.4.1(5)(f) Provision of gynecological and HEENT examinations in the Exam/Treatment Room-Gyne and Exam/Treatment

Room-HEENT, leading either to treatment in the ED or referral offsite or to another unit in CMH;

3.1.4.1(5)(g) Performance of minor procedures such as suturing and cast application/removal in the Cast Room;

3.1.4.1(5)(h) Support for Patients and their families in exam/treatment rooms sized to accommodate some attendant family members for consultation purposes and companionship;

3.1.4.1(5)(i) Support for bariatric Patients and larger families in the Exam/Treatment Room-Bariatric;

3.1.4.1(6) Transfer Patients to other facilities by ambulance to receive a higher level of care when required;

3.1.4.1(7) Provide a triage and treatment centre for situations of mass casualty as part of the Covered Ambulance Drive-Through; and

3.1.4.1(8) Provide epidemic/pandemic services for the community in the programmed spaces.

3.1.4.2 Medical/Surgical Inpatient Unit

3.1.4.2(1) Provide a 36-bed inpatient unit to accommodate medical or surgical Patients, depending on need, divided into three (3) 12-bed units. The unit will provide flexibility in use to respond to changes in the Patient population.

3.1.4.2(2) Improve Patient care through the provision of mainly single occupancy, universal (standardized), acuity adaptable rooms.

3.1.4.2(3) Include two (2) double-occupancy, universal (standardized), acuity adaptable rooms in each 12-bed pod for additional flexibility.

3.1.4.2(4) Have the capability to isolate Patients in a private AIR Patient Room, distributed with one per 12-bed pod.

3.1.4.2(5) Promote family participation in care by providing such facilities as a family zone in each Patient Room and a Multipurpose Room-Family adjoining two Patient Rooms designated for palliative care.

3.1.4.2(6) Reduce the need to transfer Patients by utilizing mainly private rooms.

3.1.4.2(7) Reduce hospital-acquired infection rates.

3.1.4.2(8) Provide Patient-centred care; bringing care directly to the Patient.

3.1.4.2(9) Improve inter-professional teamwork by providing workspaces that bring Staff together to collaborate with a focus on improving Patient care.

3.1.4.2(10) Increase time spent providing direct Patient care by locating supplies and equipment closer to the point of use.

3.1.4.2(11) Provide a separation of service flows from Patient or visitor flows, thus reducing noise and distractions in Clinical Spaces.

3.1.4.2(12) Prevent Patients from leaving the unit by means of Patient wandering and RTLS systems.

3.1.4.3 Maternity Services Unit

3.1.4.3(1) Provide a Maternity Services Unit consisting of four (4) private SRMC Patient Rooms, two (2) private Women's Health Patient Rooms and two (2) private Nursery Rooms.

3.1.4.3(2) Improve maternity care through provision of all private Patient Rooms, with a zone for family members in each room.

3.1.4.3(3) Improve neonatal care and bonding with parents through provision of private Nursery Rooms with a zone for family members in each.

3.1.4.3(4) Provide one-to-one nursing care for mothers in labour and during delivery while allowing for family involvement in the birthing process.

3.1.4.3(5) Improve perinatal care by bringing together in one room labour and delivery, ante and post-partum care, with nearby triage and assessment functions.

3.1.4.3(6) Provide a secure Component that eliminates infant abduction by utilization of an infant protection system.

3.1.4.4 Pharmacy

3.1.4.4(1) Provide outpatient and family consultations, inpatient teaching and discharge counselling in the Counselling Room.

3.1.4.4(2) Establish a point of contact for services to outpatients and their families at the Pharmacy reception.

3.1.4.4(3) Support pharmaceuticals management with clinical pharmacy services such as order entry and review in the Order Entry Area.

3.1.4.4(4) Prepare and deliver medications to Clinical Spaces to maintain standard stock inventories in Medication Rooms, fill orders and supply controlled substances as needed.

3.1.4.4(5) Prepare and compound some drugs on-site in the Compounding Area and Dispensing/Storage Area, which also allows for storage of medications.

3.1.4.4(6) Provide central storage of hazardous medications prior to dispensing or distribution to locked cabinets on units.

3.1.4.4(7) Provide secure, central storage of controlled substances.

3.1.4.4(8) Prepare IV admixtures, including sterile products in the Sterile IV Admixture room, to support Patients, IV therapy outpatients and community services Patients.

3.1.4.4(9) Prepare chemotherapy and other IV infusions and oral medications in the Sterile Chemo Prep room to support Patients and outpatients undergoing chemotherapy.

3.1.4.4(10) Provide services for the identification and labelling of pharmaceutical and traditional Patient medications.

3.1.4.4(11) Provide off-site pharmacist support services for rural hospitals in the Thompson Cariboo Shuswap Region.

3.1.4.4(12) Provide training for undergraduate pharmacist students and pharmacy technicians.

3.1.4.5 Retail and Support Services

3.1.4.5(1) Provide new Patient and visitor services including a Multipurpose Room/EOC and Retail-Coffee Shop.

3.1.4.5(2) Have the capability to respond to emergency situations by activating the emergency operations centre functions of the Multipurpose Room/EOC.

3.1.4.5(3) Improve Wayfinding in the Facility and the Existing Hospital, and provide intuitive access to registration, public facilities, and retail spaces.

3.1.4.5(4) Provide various support services that link to the existing loading dock, laundry and MDR, in support of CMH's day-to-day operations.

3.1.4.6 The Project Design Objectives are integrated objectives, and the Design-Builder will apply them on an integrated basis throughout the Design and Construction.

3.2 Universal Design Philosophies

3.2.1 The Design-Builder will incorporate the following universal design philosophies in the Design and planning of the Facility to address barriers to equitable access to healthcare such as cultural diversity, physical capability and gender:

3.2.1.1 Equitable use – the Design will make the Facility easy to use by people with diverse abilities;

3.2.1.2 Flexibility in use – the Design will accommodate a wide range of individual preferences and abilities;

3.2.1.3 Simple and intuitive – the Design will be easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level;

3.2.1.4 Perceptible information – the Design will communicate necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities;

3.2.1.5 Tolerance for error – the Facility will be designed so as to minimize hazards and the adverse consequences of accidental or unintended actions;

3.2.1.6 Low physical effort – the Facility is capable of being used efficiently and comfortably and with a minimum of fatigue or injury potential; and

3.2.1.7 Size and space for approach and use – size and space is provided for approach, reach, manipulation, and use regardless of user's body size, posture or mobility.

3.3 Evidence Based Design

3.3.1 In undertaking the Design of the Facility, the Design-Builder will apply Evidence Based Design methodologies to achieve the Project Design Objectives. EBD means that decisions about the Design of the Facility will be based on credible research, information derived from comparable North American projects and information about Authority operations in order to achieve the best possible outcomes. The goal of EBD will deliver measurable improvements, for example in the Authority's Patient and workflow outcomes, productivity, economic performance, and Patient satisfaction.

3.4 Lean Health Care

3.4.1 Lean Health Care means the application of lean manufacturing principles to health care delivery to reduce the amount of time spent on unnecessary activities, reduce defects in the production of goods or provision of services and promote a framework of continuous process improvement.

3.4.2 The Design-Builder will leverage and review the seven (7) Lean Health Care flows of health services, information, Patient, providers, medications, supplies, process engineering, equipment, through key Design and operational Cx stages of the Project.

3.4.3 The Design-Builder will design the Facility to:

3.4.3.1 facilitate the delivery of efficient and effective workflows and processes;

3.4.3.2 eliminate waste during the Construction of the Facility as well as within both clinical and non-clinical service delivery processes;

3.4.3.3 recognize the value to the Authority of Lean Health Care, or equivalent methodologies, in supporting the delivery of Authority activities and accordingly allow the findings from such methodologies to play a key role in influencing design decisions to support the delivery of services within the Facility;

3.4.3.4 include safe, efficient and ergonomic design features throughout all spaces that specifically facilitate the physical activities of Staff and Patients, including appropriate Millwork, handrails, lighting, Patient ceiling lift devices, and Patient assist or equipment manoeuvring space; and

3.4.3.5 serve as an integrated workplace by providing physical environments that

3.4.3.5(1) support innovative and collaborative methods of working, such as a team approach to care, family-centred rounds, and team huddles and daily management systems;

3.4.3.5(2) incorporate the Authority's new and emerging technologies;

3.4.3.5(3) incorporate clinical research into daily methods of working; and

3.4.3.5(4) respond to diverse work styles, such as hoteling and job-sharing, and optimize flexibility and space utilization.

3.4.4 Accordingly, the Design-Builder will design workspaces to

3.4.4.1 include modular, generic, and acuity-adaptable rooms and spaces;

3.4.4.2 include standardized and flexible spaces; co-location options, space-saving strategies, and layouts, Modular Casework and Systems Furniture that facilitate change;

3.4.4.3 provide floor layouts that accommodate teams as well as individuals, and that support mobile Staff who require flexibility and use portable technology;

3.4.4.4 accommodate program, service and equipment changes in the future with minimized impact to utility infrastructure and to the Facility, including downtime; and

3.4.4.5 use digital signage to help people find and explain current events in spaces with changing purpose and function.

3.5 Sustainability

3.5.1 This Section will be read in conjunction with Schedule 8 [Energy Guarantee] which contains further details regarding energy modeling requirements.

3.5.2 The Authority has registered the Project with LEED; refer to the following:

3.5.2.1 Project ID: 1000114538.

3.5.2.2 Project Title: Cariboo Memorial Hospital Redevelopment.

3.5.2.3 Project Rating System: LEED v4 BD+C: HC.

3.5.3 In addition to the requirement to achieve LEED® Gold Certification in accordance with the terms of this Agreement, the Design-Builder will:

3.5.3.1 Design and construct the Facility using design methods, building materials, operational practices, energy and life cycle considerations that promote environmental quality, social benefits and economic vitality throughout the Construction and operating periods, including by minimizing the Authority's operating costs (for example in relation to utilities and carbon taxes).

3.5.3.2 Give priority to efficient use of resources, protection of health and indoor environmental quality.

3.5.3.3 Apply a total systems approach to minimize Energy Consumption and incorporate Energy Consumption management techniques that are targeted to stabilize and optimize energy flows.

3.5.3.4 Ensure that no materials are used on the interior of the Facility that are detrimental to human health.

3.5.3.5 Give priority to efficiencies and innovations that may be possible through integration of systems within the CMH Campus to minimize operational costs for the Authority.

3.5.3.6 Implement best practices for health facility sustainability and resilience, which by extension impact health service delivery and ultimately human health and wellness;

3.5.3.7 Take advantage of alternative sources of energy such as passive solar, and on-site power generation and opportunities for waste heat recovery; and

3.5.3.8 Ensure the long-term relevance and suitability of all visual and written communications encountered in the Facility. Do not use visual, communicative or stylistic elements, including graphics or written language or other communications on signs, artworks, installations or other elements, that will obviously date themselves or otherwise become irrelevant over time.

3.5.4 Design-Builder will achieve the following mandatory LEED credits/points:

3.5.4.1 Optimize Energy Performance (at least 10 points);

3.5.4.2 Enhanced Commissioning (6 points - MBCx + Envelope Cx);

3.5.4.3 Advanced Energy Metering;

3.5.4.4 Water Metering;

3.5.4.5 Enhanced Indoor Air Quality Strategies (at least 1 point);

3.5.4.6 Low-Emitting Materials (3 points);

3.5.4.7 Construction Indoor Air Quality Management Plan;

3.5.4.8 Indoor Air Quality Assessment (at least 1 point); and

3.5.4.9 Light Pollution Reduction.

3.5.5 Design-Builder will achieve a minimum of eight (8) points total from at least six (6) of the following LEED credits:

3.5.5.1 Places of Respite;

3.5.5.2 Outdoor Water Use Reduction;

3.5.5.3 Indoor Water Use Reduction;

3.5.5.4 Cooling Tower Water Use;

3.5.5.5 PBT Source Reduction – Mercury

3.5.5.6 PBT Source Reduction – Lead, Cadmium, and Copper

3.5.5.7 Design for Flexibility;

3.5.5.8 Thermal Comfort;

3.5.5.9 Interior Lighting;

3.5.5.10 Daylight;

3.5.5.11 Quality Views;

3.5.5.12 Acoustic Performance;

3.5.5.13 Pilot Credit - Designing with Nature, Biophilic Design for the Indoor Environment; and

3.5.5.14 Innovation - Green Building Education (1 point).

3.5.6 Design-Builder will not include any points or credits that require any action by or on behalf of the Authority without the Authority's prior written consent, which may be granted or withheld at the Authority's discretion. If the Authority consents to the inclusion of points or credits that require any action by the Authority, the Authority will take reasonable steps, consistent with the nature of the Facility, to cooperate with Design-Builder in respect of its achievement of such LEED points and credits, provided that such cooperation will not require that the Authority incur any liability, cost or expense.

3.5.7 The following LEED credit points are not permitted for the Project:

3.5.7.1 Energy and Atmosphere Credit – Green Power and Carbon Offsets.

3.5.8 Use the Standards and guidelines listed in Section 2.2 Standards as references in undertaking the sustainable Design and Construction initiatives.

3.5.9 The Design Life requirement is a 50 year Facility starting at the date of Substantial Completion. Table 3.5.10 indicates The Design Life, in years, of major Facility components and systems. The indicated timeframes will be used as a guideline for quality.

3.5.10 Design Life Table

CATEGORY – Major Components/Systems	Design Life Years
SITE	
Hardscaping	20+
Landscaping	15+
Site lighting	20+
Exterior IP video surveillance/security	15+
Exterior signage	10+
Site furnishings	7+
Water service	70+
Sanitary sewer service	70+
Storm sewer and drainage system	70+
STRUCTURE	
Building structure	50+
EXTERIOR BUILDING	
Building façade finish	50+
Canopies/sunshades/balconies	15+
Glazing systems	25+
Roof finish	25+
Eaves, soffits, fascia	25+
Exterior door and hardware	15+
Chimney and flues	20+
VERTICAL MOVEMENT	
Elevator cable	25+
Elevator	25+

CATEGORY – Major Components/Systems	Design Life Years
Elevator finishes	15+
INTERIOR FINISHES	
Floor finishes	10+
Ceiling finishes	15+
Wall finishes	7+
Wall protection	10+
Interior door and hardware	20+
Furnishings	5+
Signage (interior)	10+
Millwork (Casework/counters)	15+
Millwork (Casework/counters - stainless steel)	20+
EQUIPMENT	
OR equipment	10+
Pneumatic tube	18+
Equipment (other)	5+
ELECTRICAL	
Low voltage distribution system	50+
High voltage distribution system	50+
Alarm system	15+
IMIT/Data systems	10+
Communication systems	15+
Light fixture	15+
Interior IP video surveillance/security	15+
Major equipment	25+
MECHANICAL	
Heating Systems	25+
Cooling Systems	25+
Plumbing	25+
Plumbing fixture	15+
Air handling units and associated equipment	20+
Medical gas systems	25+
Major equipment	25+

3.6 Quality of Daylight

3.6.1 Recognizing the positive health benefits to Patients and Staff, the Design-Builder will provide Quality Daylight for all spaces that require Direct Natural Light.

3.6.2 Provide windows and glazing that account for the shape and use of the room or space. Windowsill height, header height, and window width and glazing will be configured to provide Quality Daylight that supports the activities within the specific type of room.

3.6.3 Windows and glazing that are exposed to sunlight and oriented to the south, east or west direction will be provided with means such as overhangs, canopies, brise-soleils or other shading devices to control solar heat gain and glare.

3.6.4 The Facility will include strategies for bringing Quality Daylight into the Facility and circulation areas.

3.6.5 Interior finishes/treatments such as translucent interior glazing and/or transparent interior glazing with shading devices will be provided to facilitate bringing Quality Daylight into the Facility.

3.7 Healthy Buildings

3.7.1 Environmental Quality

3.7.1.1 Design the Facility so that Patients, families, visitors and Staff will experience the CMH Campus and the Facility as welcoming, safe, and compassionate.

3.7.1.2 Create an interior Design that aligns with the Authority's clinical strategies and service models and gives priority consideration to Person- and Family-Centred design, clinical and academic research and teaching, best practice infection control guidelines, safety for Patients, families, the public and Staff, Lean Health Care techniques and the applicable targeted LEED credits;

3.7.1.3 Include ergonomic design features throughout all spaces in the Facility that specifically facilitate the physical activities of Staff, and Patients, and of pediatric Patients in the Emergency Department, Maternity Centre and Retail and Support Services, including appropriate Millwork, Modular Casework, Furniture, workstations, lighting, lift devices, and Patient assist or equipment manoeuvring space;

3.7.1.4 Support the physical, psychological, spiritual, cultural and social health and well-being of the Facility’s occupants by providing a healing environment that includes elements that have been proven to create therapeutic, low-stress and comfortable functional environments for Patients, their families, and Staff that are:

3.7.1.4(1) safe and secure, and be a backdrop for people of varying ages, abilities and cultures;

3.7.1.4(2) designed to encourage Patients to arrange their space to suit their individual needs;

3.7.1.4(3) reflective of the Authority's commitment to reconciliation with Indigenous Patients, families and communities; and

3.7.1.4(4) acknowledging of ethnic diversity.

3.7.1.5 Design the Facility to include environmentally responsible and resource-efficient building concepts in addition to integrating health, wellness, and the human experience, including by:

3.7.1.5(1) creating sufficient opportunities for human-nature interaction, producing an environment that ties the surrounding landscape and interior environments together; and

3.7.1.5(2) using natural materials, such as wood and stone, as much as possible throughout public areas.

3.7.1.6 Incorporate into the Design of the Facility a comprehensive and interdisciplinary approach to address the factors of the physical environment that impact the day-to-day health and productivity of the occupants and the interactions between those environmental factors, including by:

3.7.1.6(1) designing spaces that leverage aesthetics, technology and the environment to ensure the wellbeing and comfort of Patients, families, and Staff;

3.7.1.6(2) designing the Site and Facility to form a gradual continuum from public to private areas; and

3.7.1.6(3) including an easily legible configuration for Facility circulation and an indoor Wayfinding and signage system that is simple, intuitive, and coordinated throughout the CMH Facility.

3.7.1.7 Design the Facility to create an atmosphere that supports a healthy mental state by employing design elements that mediate between stress and anxiety and address mental and emotional challenges or trauma, including by:

3.7.1.7(1) minimizing the potentially intimidating nature of the typical institutional setting for Patients and visitors entering the CMH Campus who may be disoriented or anxious and for younger Patients who may be overwhelmed by the experience;

3.7.1.7(2) designing highly technical areas to be visually and acoustically isolated; and

3.7.1.7(3) designing the environment so that Patients, visitors and Staff will perceive it as open and accessible rather than regimented and intimidating.

3.7.1.8 Design the Facility to significantly reduce the sources of physiological disruption, distraction and irritation to prevent stress and injury and on enhancing acoustic, ergonomic, olfactory and thermal comfort to improve overall comfort, productivity and well-being, including by

3.7.1.8(1) providing spaces that are sufficiently adaptable to working, concentration, collaboration and respite, as needed, and that enable individuals to adjust their environments and choose their degree of engagement with others;

3.7.1.8(2) including features such as, colour, pattern, air quality, nature and views of nature, and art and aesthetic forms as means for creating an environment that supports and engages Patients and families, but does not negatively impact Staff safety or performance; and

3.7.1.8(3) enriching the interiors of the Facility with play corners, recreation areas, colourful signage, and artwork to create an environment that is more residential than clinical for the comfort of Patients and their families;

3.7.1.9 Encompass in the Design of the Facility a wide range of concepts and applications that promote human health, including;

3.7.1.9(1) construction practices;

3.7.1.9(2) design features;

3.7.1.9(3) healthy interiors;

3.7.1.9(4) VOC reduction;

3.7.1.9(5) occupant engagement;

3.7.1.9(6) personal control;

3.7.1.9(7) indoor environmental quality;

3.7.1.9(8) limited exterior noise intrusion;

3.7.1.9(9) reduced interior noise disruption;

3.7.1.9(10) speech privacy;

3.7.1.9(11) daylighting;

3.7.1.9(12) artificial lighting with quality colour rendering abilities;

3.7.1.9(13) biophilic design;

3.7.1.9(14) access to potable water;

3.7.1.9(15) visual and physical ergonomics;

3.7.1.9(16) exercise in the workplace; and

3.7.1.9(17) smoking and vaping restrictions.

3.7.2 Healthy Entrances

3.7.2.1 Occupants often track harmful Contaminants indoors, including bacteria, heavy metals and lawn and agricultural pesticides, among other toxins. In addition, as occupants walk through entry doors, potentially polluted air can enter the Facility. Both of these modes of introducing outdoor pollutants to the indoor environment highlight the need for measures, including the installation of appropriate materials, which minimize or prevent the introduction of potentially harmful substances into indoor spaces.

3.7.2.2 Provide permanent recessed entrance mats to minimize the introduction of pollutants into indoor air at Facility entrances; refer to Section 5.6.2.1(13).

3.7.3 Drinking Water Requirements

3.7.3.1 It is important to promote the consumption of water by making high-quality drinking water easily accessible to occupants.

3.7.3.1(1) Provide filtered, chilled bottle-fill stations with integrated water collection at minimum in the following areas:

3.7.3.1(1)(a) A minimum of three (3) per floor within regularly occupied floor space, distributed such that they are not adjacent to Alcove-Nourishment spaces that have water dispensers.

3.7.4 Interior Fitness Circulation

3.7.4.1 Provide easily accessible, safe, and visually appealing stairs, entryways, and corridors to encourage intermittent bouts of physical activity and reduce sedentary behaviour.

3.7.4.2 Exit and Convenience Stair Access

3.7.4.2(1) Include a minimum of one set of stairs meeting the requirements of Section 5.6.2.3.

3.7.4.3 Stair Location

3.7.4.3(1) Locate stairs that can be accessed by the public in an area that is equally as prominent as or more prominent than elevators.

3.7.4.3(2) Ensure stairs are clearly visible from the Emergency Department Vestibule-Walk-in Entrance or located to be seen before any elevators are visible upon entry into the Emergency Department through the Vestibule-Walk-in Entrance.

3.7.4.4 Stair Design

3.7.4.4(1) The Design-Builder will implement active design strategies in the stair Design, including the following:

3.7.4.4(1)(a) Posting motivational signs;

3.7.4.4(1)(b) Installing creative lighting;

3.7.4.4(1)(c) Installing integrated artwork;

3.7.4.4(1)(d) Painting walls with bright colours;

3.7.4.4(1)(e) Incorporating biophilic elements;

3.7.4.4(1)(f) Providing daylighting using windows or skylights of at least 1 NSM in size; and

3.7.4.4(1)(g) Providing view windows to the outdoors or between spaces within the Facility.

3.7.4.5 Stair Signage

3.7.4.5(1) Present Wayfinding signage using progressive disclosure principles and point-of-decision prompts throughout the Facility to encourage stair use (at least one sign per elevator group).

3.7.4.5(2) For enclosed stairwells, provide stairwell signage both on the wall adjacent to the stairwell door, and on an overhead signage element projecting perpendicularly into the corridor.

3.7.5 Design Aesthetic

3.7.5.1 The incorporation of aesthetically pleasing design elements and artwork into a space can bring a measure of comfort or joy to the occupants, add complexity to the visual field and create a calming environment with the potential to improve occupant mood.

3.7.5.2 To create spaces that are unique and culturally rich, the Design-Builder will include features in the Project that are intended to foster:

3.7.5.2(1) Human delight;

3.7.5.2(2) Celebration of culture, including history and identity;

3.7.5.2(3) Celebration of spirit and humanity;

3.7.5.2(4) Celebration of place;

3.7.5.2(5) Celebration of the Authority's vision of compassion, social justice, innovation and care; and

3.7.5.2(6) Meaningful integration of public art.

3.7.5.3 Locate signage and Wayfinding assets around artworks to ensure that the assets and artwork will not visually compete.

3.7.6 Connection with Natural Surroundings

3.7.6.1 The Design-Builder will design the Facility to provide views and images of nature in support of the Authority's intention to help speed healing and recovery time, boost positive feelings and reduce negative ones.

3.7.6.2 The Design-Builder will incorporate design elements into the Facility to nurture the innate human-nature connection with the Facility as follows:

3.7.6.2(1) Provide environmental design elements, lighting and space layouts that incorporate nature within the Facility;

3.7.6.2(2) Provide design elements that create place-based relationships to connect people to the climate, culture and identity of place;

3.7.6.2(3) Incorporate minimally processed materials and elements from nature into the Facility to reflect the local ecology or geology to create a distinct sense of place;

3.7.6.2(4) Provide nature-inspired design elements that enhance the experience of connection to nature through greater diversity and frequency of exposure as follows:

3.7.6.2(4)(a) use nature's patterns and forms to create a visually preferred environment that enhances cognitive performance while helping to reduce stress;

3.7.6.2(4)(b) generate such forms and patterns as symbolic references to contoured, patterned, textured or numerical arrangements that persist in nature; and

3.7.6.2(4)(c) avoid the overuse of forms and patterns that may lead to visual toxicity.

3.7.6.2(5) Provide opportunities as part of the Design for human-nature interactions within the Facility and external to the Facility within the CMH Campus.

3.8 Standardization

3.8.1 The Design-Builder will apply principles of standardization in the Design and Construction of the Facility, including the following:

3.8.1.1 Room configurations will allow for flexibility in use over time;

3.8.1.2 Recurrent Rooms will feature entry points, sinks or other plumbing fixtures, medical gases, Millwork, ceiling lifts, controls, and electrical and communication services positioned similarly;

3.8.1.3 Wherever possible, recurrent rooms, service spaces and pathways will be stacked vertically, including Electrical Rooms, mechanical shafts, Telecommunications Rooms, soiled holding areas, and food services to achieve service core efficiencies;

3.8.1.4 Variations in standardization will not impact clinical operations;

3.8.1.5 Recurrent Rooms will be same-handed wherever possible;

3.8.1.6 Mirrored room layouts will be considered standardized for all Patient Rooms; and

3.8.1.7 Equipment components will use consistent consumables for optimized supply chain management.

3.8.2 By implementing the principles of standardization, Design-Builder will:

3.8.2.1 promote Patient and Staff familiarity with the layout, Design, and systems between areas and from floor-to-floor; and

3.8.2.2 promote a reduction or minimization of Patient injuries and Staff errors.

3.9 Adaptability, Flexibility and Expansion

3.9.1 The Design-Builder will design and construct the Facility:

3.9.1.1 so that it can accommodate the rapid cycle of innovation and change to support development and implementation of new clinical and non-clinical work processes and technology change;

3.9.1.2 to accommodate program, service, work and equipment change with minimized utility infrastructure and Facility impact, including down time, and so that Clinical Spaces are acuity adaptable;

3.9.1.3 to support Future Flexibility of Components, and capacity as a whole, including planning zones for growth, loose-fit design to optimize functionality within a given floor area, and multi-use adaptable space; and

3.9.1.4 with an infrastructure that incorporates excess systems capacity and includes systems and components that support Future Flexibility with minimized disruption and allows for upgrades in Authority technology or technological progression.

3.10 Authority's Commitment to Reconciliation and Cultural Safety

3.10.1 The Design-Builder will engage an Aboriginal Consultation Advisor. It is preferred that the Aboriginal Consultation Advisor chosen for the project is of Aboriginal descent and is either from one of the local First Nations or very knowledgeable about the local Aboriginal Nations and communities in the region.

3.10.2 The Design-Builder will participate in consultation with Secwépemc, Tsilhqot'in, Dãkelh Dené First Nations, Cariboo Chilcotin Métis Association and Cariboo Friendship Society as part of the Design process and output.

3.10.3 In acknowledgement of the Authority's commitment as a signatory to the Declaration of Commitment to Cultural Safety and Humility in Health Services Delivery for First Nations and Aboriginal Peoples in British Columbia, the Design-Builder, with assistance from the Aboriginal Consultation Advisor, will incorporate the following key planning and design principles into the Design of the Facility:

3.10.3.1 The CMH Campus is located on the traditional territory of the Secwépemc First Nations and neighbouring the traditional territories Tsilhqot'in and Dãkelh Dené First Nations. The local area is also home to the Cariboo Chilcotin Métis Association and a large urban Aboriginal population. The spirit of this place, along with its Aboriginal cultures and values, will be reflected implicitly in the planning and Design of the CMH Campus as a whole and articulated explicitly in a few designated locations within the Facility and its associated exterior spaces.

3.10.3.2 Incorporate Aboriginal perspectives and priorities into the Design through collaboration with local Métis and Aboriginal representatives and incorporation of information provided in the minutes from previous local considerations meetings held in 2018. Both the collaborative process and the resulting Design will provide opportunities to inform relationships between Aboriginal and non-Aboriginal people.

3.10.4 With assistance from the Aboriginal Consultation Advisor, the Design-Builder will design the Facility on the Site to demonstrate respect for Aboriginal culture and traditional healing practices primarily associated with the Cariboo-Chilcotin region host Nations, inclusive of Secwépemc, Tsilhqot'in, Dãkelh Dené First Nations and the Cariboo Chilcotin Métis Association, and to express a holistic approach to health through the following design approach:

3.10.4.1 The natural environment of the CMH Campus will be celebrated and enhanced. The Design will reflect the interconnections of people, land, animals, and a respect for life and all that is required to sustain it. This objective includes a stronger acknowledgement of key natural features and ecosystems and the exploration of

'working landscapes' that have uses beyond the aesthetic such as wellness, education, growing, healing, and engaging people;

3.10.4.2 Visible representation of the Aboriginal cultures, including those of the Secwépemc, Tsilhqot'in, Dãkelh Dené First Nations and Cariboo Chilcotin Métis, will be incorporated into the Design of the Facility and the Site in a subtle and invitational way. This includes the following:

3.10.4.2(1) Use of natural elements, such as stone, wood, water and living plants;

3.10.4.2(2) Use of Aboriginal interior and exterior design characteristics, such as curves and circles, including existing and new artwork by Aboriginal artists;

3.10.4.2(3) Inclusion of artwork that reflects the natural environment such as mountains, water, forests and sacred animals, and the presence of Aboriginal Peoples, with an emphasis on design elements of the Secwépemc, Tsilhqot'in and Dãkelh Dené First Nations and Cariboo Chilcotin Métis.

3.10.4.2(4) Site landscaping and pedestrian walkways incorporating Aboriginal cultural elements reflective of the Aboriginal peoples in the region such as wood sculptures and indigenous plants; and

3.10.4.2(5) Space for exterior artwork and associated infrastructure, including lighting for sculptures or other artwork.

3.10.5 The Design of the Site and Facility will:

3.10.5.1 Strive to increase a sense of belonging for everyone. In particular, the Site will be an environment which welcomes Aboriginal Patients, Staff, and visitors and enhances feelings of inclusiveness. The Site and Facility will be a place where Aboriginal groups and individuals can not only feel at home, but also feel free to be part of the wider hospital community, as opposed to feeling isolated or segregated; and

3.10.5.2 Embrace a seven-generations view, which is an Aboriginal way of being that looks seven generations forward and seven generations back, while being rooted in our present generation. Based on this perspective, the Site will be an expression of our own time, learning from history and those who came before us while taking into account the generations to come.

3.10.6 Cultural and Ceremonial Requirements

3.10.6.1 Interior programmatic spaces will be designed and situated appropriately to allow for cultural and ceremonial activities, such as:

3.10.6.1(1) Extended and multigenerational family involvement in care;

3.10.6.1(2) Ability to perform cultural ceremonies, such as smudging in Patient Rooms and in other rooms as described in this Schedule, with features including:

3.10.6.1(2)(a) Capability to shut-off individual/section smoke detectors in designated public and Patient Care Areas;

3.10.6.1(2)(b) Capability to modulate light levels, for example, by using dimmable wall-mounted sconce lighting; and

3.10.6.1(2)(c) Amenities for the preparation of food, as an integral cultural component of Aboriginal ceremonial activity and culture.

3.10.6.2 Entrance Exterior Design Guidelines

3.10.6.2(1) Provide a layout and space for one or more art works at the entry to the CMH Campus.

3.10.6.3 Entrance Interior Design Guidelines

3.10.6.3(1) Provide a Design that reflects the Authority's commitments in its Declaration of Commitment to Cultural Safety and Humility in Health Services Delivery for First Nations and Aboriginal Peoples in British Columbia.

3.10.6.3(2) With assistance from the Aboriginal Consultation Advisor and in collaboration with local Métis and Aboriginal representatives, incorporate input into the Design from Aboriginal working groups, including Elders and traditional healers, including the following:

3.10.6.3(2)(a) Aboriginal design features that reflect and represent the Secwépemc, Tsilhqot'in and Dãkelh Dené First Nations and Cariboo Chilcotin Métis in a subtle and invitational way;

3.10.6.3(2)(b) representation of the four elements of air, fire, water and earth and the directions of North, East, South and West; and

3.10.6.3(2)(c) colours that are culturally appropriate or meaningful for the Secwépemc, Tsilhqot'in, Dãkelh Dené First Nations and Cariboo Chilcotin Métis.

3.10.6.4 Clinical Space Design Guidelines

3.10.6.4(1) In a subtle and invitational way, integrate Aboriginal design features into the Facility:

3.10.6.4(1)(a) in the following Components:

(a).1 Maternity Services Unit;

(a).2 Medical/Surgical Inpatient Unit; and

(a).3 Emergency Department, including the Aboriginal Patient Navigator Office; and

3.10.6.4(1)(b) in the public spaces within the Retail and Support Services Component; and

3.10.6.4(1)(c) in other spaces as reviewed with the Authority.

3.11 BC Patient Safety & Quality Control Council (PSQCC)

3.11.1 The Design-Builder will consult with the Authority's liaison partners at the BC PSQCC as a process for receiving and incorporating Patient-centric feedback as part of the Design process and output.

3.11.2 The BC PSQCC administers the "Patient Voices Network", which is a community of Patients, families and caregivers working together with health care organizations to improve the health care system by giving voice to Patients' perspectives.

3.11.3 The BC PSQCC's "Patient & Public Engagement Team" liaises with the Authority to develop engagement plans and establish connections with members of the Patient Voices Network interested in a given project. Its role will assist with developing the goals and aims of such a project and identifying where Patient and public involvement would have the greatest impact.

3.11.4 The Design-Builder will engage with the Patient & Public Engagement Team, in collaboration with the Authority, to receive Patient Voices Network feedback on the Design through various types of initiatives, which may include the following:

3.11.4.1 Input on advisory committees and working groups;

3.11.4.2 Sharing of Patient experiences at workshops and other events; and

3.11.4.3 Participation in surveys, focus groups and other feedback mechanisms.

PART 4. SITE DEVELOPMENT REQUIREMENTS

4.1 Site Considerations

4.1.1 The Design-Builder will design the Facility as an integrated part of the CMH Campus, and accordingly:

4.1.1.1 Facilitate the delivery of clinical and non-clinical support services across the CMH Campus through the provision of efficient physical links to the Existing Hospital;

4.1.1.2 Consider all new and existing occupant loading, exiting, and fire separation requirements at all new combined linked connections;

4.1.1.3 Integrate effectively with existing CMH Campus communication and Life Safety Equipment;

4.1.1.4 Consider the existing topography of the CMH Campus and locate entrances and access points to minimize slopes and promote accessibility;

4.1.1.5 Consider the vehicle flow and access point to the Facility and ensure that the Facility does not negatively impact existing access;

4.1.1.6 Consider the existing public transit routes on the Site and ensure that the Facility does not negatively impact existing access;

4.1.1.7 Provide a distinctive architectural character, reflecting the Authority's values and role as a regional acute care centre and tertiary medical teaching centre for health in the region and community; and

4.1.1.8 Support community access and include a highly visible vehicle and pedestrian entrance to the Site and Facility from 6th Avenue North designed with high profile architectural scale and features. The existing main entrance of the Existing Hospital will be maintained as the primary entrance to CMH. The exterior entrance to the Emergency Department will have a connection to the at-grade parking and serve as an additional entry point to the Facility for Patients, visitors and Staff. The entrance to the Emergency Department will be a landmark that intuitively draws visitors from a distance with architectural cues, landscaping, lighting and signage.

4.1.2 The Design-Builder will consider all Design decisions within the context of enhancing the CMH Campus.

4.2 Sequencing of Work

4.2.1 The Design-Builder will be responsible for sequencing the Work to maintain the Authority's 24/7 operations. All Work will minimize disruptions, reduce impacts to existing operations and be completed in accordance with an approved phased Work Plan consistent with the requirements of the Agreement.

4.2.2 The Design-Builder will ensure that its activities to carry out the Work do not restrict vehicular and pedestrian access to the Existing Hospital, including the existing emergency department, ambulance entrance, loading dock and Deni House.

4.2.3 The Authority anticipates the following stages to complete the Work. Refer to Appendix 1O [Work Area Diagrams] for approximate work area boundaries at the various stages of the Work. The Design-Builder will incorporate this or a similar sequence into its Work Plan that meets the criteria set out in Section 4.2.4. During the construction phase of the project, the DB may choose to either install temporary or permanent infrastructure, in place of fully functional systems for the scope related to Utility Power, Lighting, Electric Vehicle Supply Equipment, and the parking lot IMIT systems.

4.2.3.1 Stage 1:

4.2.3.1(1) Complete the Comer Street parking lot and stair in Work Area A; and

4.2.3.1(2) Complete the parking area beside the Nurses' Residence identified as Work Area C1;

4.2.3.2 Stage 2:

4.2.3.2(1) Complete the remainder of the parking and circulation areas to the west and south of the CMH Campus shown as Work Area C;

4.2.3.3 Stage 3:

4.2.3.3(1) Complete the parking and circulation areas to the northwest of the CMH Campus shown as Work Area B;

4.2.3.4 Stage 4:

4.2.3.4(1) Complete the circulation and pickup/drop-off stall areas identified as Work Area E; and

4.2.3.4(2) Complete the Facility and surrounding areas shown as Work Area D;

4.2.3.5 Stage 5:

4.2.3.5(1) Complete the parking, circulation and pickup/drop-off stall areas identified as Work Area F.

4.2.4 The Design-Builder will ensure that, at all times during the performance of the Work, its proposed and implemented sequencing of the Work will maintain:

4.2.4.1 24/7 access to the loading docks of the Existing Hospital, including the Deni House, for the Authority and all logistics services supporting the Authority's 24/7 operations;

4.2.4.2 24/7 access by the Authority and BCAS to the existing ambulance bays or, once fully occupied and operational by the Authority, to the Facility's Covered Ambulance Drive-Through;

4.2.4.3 24/7 Patient, Staff and visitor vehicular and pedestrian access to a minimum of 188 surface parking spaces on the CMH Campus, including:

4.2.4.3(1) a minimum of ten (10) parking stalls adjacent to the Nurses' Residence;

4.2.4.3(2) pickup and drop-off stalls outside the Existing Hospital main entrance and emergency department or, once fully occupied and operational by the Authority, to the pickup and drop-off stalls outside the Facility's Emergency Department;

4.2.4.4 24/7 Patient, Staff and visitor access to the underground parking of the Existing Hospital;

4.2.4.5 24/7 Patient, Staff and visitor access to the exterior entrances of the Existing Hospital main entrance, emergency department and renal department;

4.2.4.6 24/7 Patient, Staff and visitor access to the Deni House Staff and visitor/Patient entrances; and

4.2.4.7 24/7 Patient, Staff and visitor access to the Nurses' Residence entrance.

4.3 Site Preparation - Demolition

4.3.1 The Design-Builder is responsible for all abatement, containment, disposal of Contaminants and removal of all Contaminants as set out in the Agreement.

4.3.2 Demolition includes demolition and removal of all materials from the Site for all material required to construct the Facility, such as foundations, utilities, utility poles, transformers, underground tanks, slabs, pits, sumps, pipes, cables, conductors, concrete encasements, ducts, walls, fencing, railings, stairways, lamp standards, curbing, asphalt, sidewalks, wheel stops, vaults, signs, landscape, waste excavation, clearing, grubbing, pavement markings, and all other above ground or sub-surface material, prior to constructing the Facility. Demolition also includes:

4.3.2.1 disconnecting and capping utilities;

4.3.2.2 landfill tipping fees;

4.3.2.3 removal of the existing gazebo;

4.3.2.4 removal of all utilities required for use during Construction, except where such utilities are unable to be removed prior to the completion of surface Work, in which case they may be abandoned in place; and

4.3.2.5 Concrete foundations and vault associated with the existing BC Hydro feed to the Existing Hospital are permitted to be abandoned in place a minimum of 3 feet below the finished grade.

4.3.3 Remove demolished materials from the CMH Campus except where specifically noted otherwise. Do not burn or bury materials on the CMH Campus.

4.3.4 The walls separating the Facility Construction Site from remaining existing structures will be designed so that the demolition and Construction activities associated with the Facility will not interfere with the normal operation of the CMH Campus, including buildings, roads and services.

4.3.5 Obtain City of Williams Lake and other Authority Having Jurisdiction approvals required to undertake any demolition.

4.3.6 Make provisions to ensure that affected areas of the Existing Hospital to remain are weatherproof during and after demolition and for the duration of Construction of the Facility.

4.3.7 Terminate existing surfaces at structures to be demolished along straight lines at natural divisions determined through consultation with and approval by the Authority. Cut existing surfaces so that a smooth transition with the Facility will result; conform to applicable codes for demolition of structures and provide for the safety of adjacent structures, the erection and maintenance of temporary barriers and security devices, dust control, runoff control and disposal of materials.

4.3.8 Be responsible for ensuring that fire safety requirements are met at all times during demolition.

4.3.9 Provide dust control at all times:

4.3.9.1 Spray demolition area with water once demolition of structure begins;

4.3.9.2 Manage water runoff through the CMH Campus; and

4.3.9.3 Protect City storm drains.

4.3.10 Avoid use of jack hammers; instead, concrete chipping hammers are preferred and can be employed; refer to Section 2.8.4 Control of Construction Noise and Vibration.

4.3.11 Carry out demolition activities so as not to interfere with access to existing CMH Campus buildings. Requirements for traffic control will be coordinated with the Authority.

4.3.12 Provide overhead protection from falling debris.

4.3.13 Provide perimeter screen and safety walls to ensure safety and protection of people and objects outside of the demolition area.

4.3.14 Schedule, hours of operation and traffic control required for demolition will be determined in consultation with the Authority.

4.3.15 Never leave demolition and demolition equipment in precarious, unsafe or hazardous condition at the end the workday.

4.3.16 Secure the demolition Site 24/7 and obtain the Authority's approval of the Design-Builder's security plan prior to commencing any demolition Work.

4.3.17 Coordinate the demolition schedule with existing Authority construction on the CMH Campus.

4.3.18 Conform to applicable regulatory procedures, including WorkSafe BC requirements, during all phases of the demolition and if any Contaminants are discovered.

4.3.19 If any buried tanks are discovered, test surrounding soils for contamination.

4.3.20 Provide required LEED® documentation for waste diversion.

4.3.21 Accurately record actual locations of capped utilities, subsurface obstructions and/or conditions.

4.3.22 The Design-Builder will:

4.3.22.1 Adhere to the recommendations and requirements as set out in the archaeological permit and supporting Archaeological Impact Assessment (AIA) with regards to excavation and handling of materials on the Site, refer to Archaeological Impact Assessment Interim Report prepared by Sugar Cane Archaeology Report: 2020-AIA-IH-CMH and the Heritage Conservation Act Application for Alteration Permit, S12.4 Alteration Application;

4.3.22.1(1) Projected time for excavation and handling of materials on the Site will be based on 10 cm lifts of an area of 1 m x 5 m, with the expectation that an that an average of five (5) lifts will be screened every two (2) hours when material is available.

4.3.22.2 Accommodate all archaeological monitoring which will be performed by Sugar Cane Archaeology who are the Authority's consulting archaeologists for the Project; and

4.3.22.3 Coordinate with Sugar Cane Archaeology who will complete the assessment of any untested areas concurrent with Construction.

4.4 Connections to the Existing Hospital and Site Services

4.4.1 General

4.4.1.1 The Design-Builder will Design and construct all connections between the Facility and Existing Hospital as identified in this Agreement, or as otherwise required as

part of the Design to achieve the Authority's functional requirements as set out in this Schedule.

4.4.2 Connections for People and Materials

4.4.2.1 The Design will:

4.4.2.1(1) determine exactly where the Facility and the Existing Hospital are joined as interior space;

4.4.2.1(2) align Facility connections and corridors with the network of Existing Hospital corridors;

4.4.2.1(3) augment the network of Existing Hospital corridors to create separate Front-of-House and Back-of-House corridors and connections where these separate circulation systems are required;

4.4.2.1(4) provide connections that permit the safe and efficient flow of Patients, Staff, services and the public;

4.4.2.1(5) enable the Existing Hospital and the Facility to function in a cohesive manner; and

4.4.2.1(6) provide for ease of visitor and Staff movement and Patient and material transfers between the Facility and the Existing Hospital.

4.4.2.2 For all link connections between the Facility and the Existing Hospital, the Design-Builder will prepare adjoining surfaces to be identical, with the Construction and finishing completed in such a manner that there are no visible traces, at a minimum distance of 600 mm, between the Work and the existing condition. The Design-Builder will reconstruct and refinish existing areas and surfaces to match the Facility at all junction points including inside and outside corners of roofs, exterior walls, partitions, floors, ceilings and landscaping or paving.

4.4.2.3 The Design-Builder will not create dead end corridors conditions, non-conforming BCBC conditions in the Existing Hospital or cause the Authority to incur any costs in completing functional link connections to the Existing Hospital.

4.4.2.4 The Design-Builder will provide any required modifications to existing exterior walls including infill of existing exterior windows which will meet all the requirements of the Agreement

4.4.2.5 The table below represents the minimum number of horizontal connections required between the Facility and the Existing Hospital. The Design-Builder will provide any other connections as required for BCBC compliance or otherwise to meet the requirements of this Schedule and the Agreement. The connections listed in the table below will be between floors aligned horizontally between buildings

where indicated as “horizontal” or by means of an elevator and a convenience stair between floors where indicated as “vertical”.

Facility Level	Component or Use	Connection to the Existing Hospital at	Alignment	Users	Circulation Type
Level 0	Pharmacy	Level 0, existing main corridor	Horizontal	Public	FOH
Level 0	Pharmacy	Level 0, existing main corridor	Horizontal	Staff and services	BOH
Level 1	Emergency Department, Retail and Support Facilities	Level 1, existing main corridor	Horizontal	Public	FOH
Level 1	Emergency Department	Level 1, existing OR Department, new BOH corridor	Horizontal	Patients and Staff	BOH
Level 2	Medical-Surgical Inpatient Unit (24-bed)	Level 2A, Phase 2 Renovations, Adult Acute Psychiatric Unit	Vertical	Staff	BOH
Level 2	Medical-Surgical Inpatient Unit (24-bed)	Level 2B, existing Gateway program	Vertical	Staff	BOH
Level 3	Maternity Unit and Medical-Surgical Inpatient Unit (Standalone)	Level 3, administrative offices	Horizontal	Staff	BOH

4.4.2.6 On Level 1, the connections will be distinct and physically separated to provide independent continuity of public, Patient and Staff, equipment and material flows.

4.4.2.7 The Design-Builder will include in the Design a dedicated Back of House corridor on Level 1 from the Emergency Department in the Facility to the Existing Hospital surgical services. The corridor will be accessed from within the ED and the exact location will be determined in consultation with the Authority through the Review Procedure. The corridor will follow the south façade of the Existing Hospital to connect with the existing corridor behind the medical imaging services in order to reach the existing surgical services. The Design-Builder will complete the Back of House corridor connection to the Existing Hospital by providing cross-corridor doors at the interface of the Back of House corridor with the Existing Hospital. The

Authority intends to install doors from the dedicated Back of House corridor into the existing Laboratory department as part of the Phase 2 Renovations.

4.4.2.8 Provide additional space, as part of the Construction of the dedicated Back of House corridor, for a new medical imaging waiting area accommodating seating for at least 10 persons within a minimum 20 NSM. The new waiting area will be accessed from within the existing medical imaging services and the Back of House corridor. Refer to Appendix 1C [Minimum Room Requirements] sheet A1.7 Waiting Area-General for room requirements of the new medical imaging waiting area.

4.4.2.9 The dedicated Back of House corridor will be configured to allow Staff and transported Patients to travel from the Patient Transfer/Staff Service Elevators in the Emergency Department to the connection point with the Existing Hospital described in Section 4.4.2.7 above.

4.4.2.10 The connections at Levels 0, 1 and 3 of the Facility will provide an even transition between the Facility and the floor elevations of the Existing Hospital. All other connections will be achieved by means of a convenience stair and convenience elevator. Both this stair and this elevator will be continuous and positioned such that they can be accessed from every level of the Existing Hospital and the Facility, allowing direct travel to any other level.

4.4.2.11 Level 0 connection points will accommodate the flow of materials, supplies, linen, food and other providers and their access to the loading dock, the Existing Hospital and the Facility. Connections will accommodate trains and other required flows between the buildings.

4.4.2.12 The Design-Builder will provide all Work within the Existing Hospital as required to provide Seamless Integration between the Facility and the Existing Hospital. Any Work required to connect to the Existing Hospital will minimize disruptions, reduce impacts to existing operations and be completed in accordance with an approved, phased Work Plan consistent with the requirements of this Agreement.

4.4.2.13 Wherever possible, design and construct the connections so as to maintain existing fire exits and fire ingress/egress routes. As necessary, modify or replace any fire exits and fire ingress/egress routes affected by the Construction and its connections to the existing CMH Campus with equivalent exits and ingress/egress routes as approved by the Authority. Any work required in the Existing Hospital will be completed in accordance with a Work Plan in accordance with the requirements of this Agreement.

4.4.3 Existing Hospital Work

4.4.3.1 Perform all upgrades and modifications to the CMH Campus as required for BCBC compliance as a result of the Design and Construction of the Facility including:

4.4.3.1(1) requirements to accommodate Alternative Solutions;

4.4.3.1(2) modifications to the Existing Hospital systems and the Existing Hospital structures;

4.4.3.1(3) upgrading existing fire protection systems;

4.4.3.1(4) relocating existing fire department response points; and

4.4.3.1(5) relocating existing fire alarm annunciator panels.

4.4.3.2 Repair the integrity of existing CMH building envelopes that are impacted by the Design and Construction of the Facility.

4.4.3.3 Perform adjustments or Commissioning of the Existing Hospital systems that are impacted by the Design and Construction of the Facility.

4.4.3.4 Limit work in the Existing Hospital as much as possible; give preference to a Design that limits Construction work in the Existing Hospital.

4.4.3.5 Provide sprinkler water curtains where required.

4.4.3.6 Perform work in the Existing Hospital to comply with the requirements of Section 4.2 Site Preparation – Demolition.

4.4.3.7 Any work required in the Existing Hospital or to connect to the Existing Hospital will be completed in accordance with a Work Plan agreed to by the Authority.

4.4.3.8 The Design-Builder will repair any damage to the Existing Hospital and the Nurses' Residence in accordance with the Agreement, Section 56 Protection of Work and Property. All repair work will meet the requirements of the Agreement.

4.4.3.9 The Design-Builder will provide patching, repairing and Making Good all exterior and interior surfaces affected by the Construction of the Facility in all parts of the Existing Hospital in which work is taking place, to match the quality of the adjacent surfaces.

4.4.3.10 The Design-Builder will perform any remediation work or protective measures required in the Existing Hospital as a result of the Construction of the Facility, including waterproofing measures; all work will meet the requirements of the Agreement.

4.4.4 At interfaces between the Facility and the Existing Hospital:

4.4.4.1 Erect and maintain temporary partitions to prevent the spread of dust, odours, and noise to permit continued occupancy and function of the Existing Hospital by the Authority as set out in the Authority's guideline IX0900: Infection Control During Construction, Renovation and Maintenance in Health Care Facilities and Health and Safety Bulletin: Emergency Wash Stations;

4.4.4.2 Prevent the movement of existing structures; provide bracing and shoring;

4.4.4.3 Acting reasonability, and to the extent the Construction disturbs and/or connects to the Existing Hospital, the Design-Builder will patch or replace portions of existing surfaces which are damaged, lifted, discoloured, or showing other imperfections. Where new work abuts or aligns with existing, provide a smooth and even transition. Patch work to match existing adjacent work in texture and appearance;

4.4.4.4 Extend new finishes from the Facility side of the temporary wall seamlessly into the existing corridors.

4.4.5 Service Connections

4.4.5.1 The Design will provide optimized utilization of the Site, including provision for Future Flexibility. Engage the Authority in identifying optimal solutions to achieve these results, as well as opportunities for innovation.

4.4.5.2 Relocate existing services as needed to accommodate the Construction and reconnect existing services to ensure that the Existing Hospital operations continue without interruption. Provide, as necessary, temporary services to ensure that the Existing Hospital remains operational at all times. Any shut down of existing CMH services, or any work required to connect to the Existing Hospital, will be completed in accordance with an approved Work Plan consistent with the requirements of this Agreement. Provide any services that cross a building or corridor with seismic mitigation and building separation devices.

4.5 Site Infrastructure

4.5.1 General

4.5.1.1 Provide all necessary municipal services for adequate and reliable infrastructure to the Facility.

4.5.1.2 Submit the following test results and documents to the Authority on a weekly basis during Construction:

4.5.1.2(1) Pipe bedding and surrounding material gradation tests;

4.5.1.2(2) Trench backfill compaction tests;

4.5.1.2(3) Structural fill gradation and compaction tests;

4.5.1.2(4) Sub-base aggregate gradation and compactions tests;

4.5.1.2(5) Base aggregate gradation and compaction tests;

4.5.1.2(6) Asphalt design mix;

4.5.1.2(7) Asphalt Marshall Analysis;

4.5.1.2(8) Asphalt core tests;

4.5.1.2(9) Concrete tests;

4.5.1.2(10) Watermain pressure tests;

4.5.1.2(11) Watermain disinfection and flushing tests;

4.5.1.2(12) Sanitary sewer air leakage tests; and

4.5.1.2(13) Sanitary and storm sewer video inspections.

4.5.1.3 Testing frequency will, at a minimum, meet Standards specified in the 2006 Standard Specifications for Highway Construction by British Columbia Ministry of Transportation and Highways or other local Standards approved by the Authority's Consultant. The completed Quality Management Plan will be signed by a Professional Engineer registered in British Columbia and will be submitted to the Authority's Consultant.

4.5.1.4 Connect on-site servicing to the off-site servicing.

4.5.1.5 Use the survey benchmarks and coordinate system noted on the Cariboo Memorial Hospital Topographical Survey by Allnorth Land Surveyors, Revision #2, dated 17/06/29, which will be made available to the Design-Builder.

4.5.1.6 Carry out, construct, and maintain environmental protection and dust mitigation.

4.5.1.7 Trenching will comply with WorkSafe BC guidelines.

4.5.1.8 Construct and install manufactured components in accordance with the respective manufacturer's recommendations.

4.5.1.9 Repair damaged pavement structure, signage, pavement markings, lighting, conduits, services, curbing, sidewalks, landscape, irrigation, etc. to existing condition or better.

4.5.1.10 Prior to commencing any Construction or stockpiling of materials, complete a photographic/video record of the surface features within the Site, including existing curbs, sidewalk, landscape, asphalt, etc. One copy will be provided to the Authority within three (3) days of the documentation date.

4.5.1.11 Locate and use an authorized location for the disposal of all soil, rock, asphalt, concrete, or other unsuitable or excess material that results from Construction at the Site.

4.5.1.12 Locate and protect all existing utilities.

4.5.1.13 Manage and control traffic during Construction within the CMH Campus with signage, equipment, flag persons, barriers, lighting, and other devices necessary for traffic management.

4.5.2 Municipal Off-Site Services Infrastructure

4.5.2.1 Notify and obtain authorization from City of Williams Lake Staff for all utility service tie-ins prior to connection.

4.5.2.2 Design and construct sidewalks, curbs & gutters, and pedestrian crossings along adjacent roads, the CMH Campus onsite roads and all parking areas to create a pedestrian network that connects the Facility entrances to the existing community sidewalks and provides safe passages for visitors; refer to Appendix 1G [Site Services].

4.5.3 On-Site Services Infrastructure

4.5.3.1 Design and construct all on-Site services to meet or exceed the City of Williams Lake Subdivision and Development Bylaw Standards and other Authorities Having Jurisdiction requirements for the corresponding municipal off-site services, and to meet the needs of the Facility.

4.5.3.2 Sanitary Sewers

4.5.3.2(1) Provide a sanitary sewer of a diameter, grade and depth to safely convey all effluent from the Facility. Refer to Appendix 1G [Site Services]. The sanitary sewer system will include the pipes, manholes and all other required appurtenances to comply with applicable municipal and provincial Standards.

4.5.3.2(2) Relocate the existing sanitary sewer by removing the existing sanitary sewer mains and manholes where needed and providing new storm sewer mains, manholes and catch basins beyond the Facility footprint as shown on the Site services drawing in Appendix 1G [Site Services] or as otherwise reviewed by the Authority.

4.5.3.2(3) Provide calculations for theoretical peak sanitary sewer flowrate generated from the Facility with final Design and Construction drawings and included in the sanitary and water analysis design brief as part of the Submittals at 50%, 70% and 90%.

4.5.3.2(4) Sanitary sewer pipes on grades greater than 20% will have double nut joint restrainers on each joint or be fused pipe.

4.5.3.2(5) All existing sanitary mains that will be maintained following Construction will be video inspected before and after Construction. Video inspection requirements for existing mains will be in accordance with the MMCD Platinum (latest version), Section 33 30 01 Clause 3.18 Video Inspection. Any apparent deficiencies identified between pre and post construction will be repaired by the Contractor at their sole cost.

4.5.3.3 Storm Sewers and Drainage

4.5.3.3(1) Consider opportunities to use this water for on-site irrigation purposes and for the LEED program.

4.5.3.3(2) Provide storm sewers and drainage network of a size, grade and depth to safely convey all storm water.

4.5.3.3(3) For any new or relocated storm sewer, provide adequately sized water quality/sediment control inlet chambers as a component of the drainage system before discharging to the offsite drainage system.

4.5.3.3(4) Relocate the existing storm sewer by removing the existing storm sewer mains, manholes and catch basins where needed and providing new storm sewer mains, manholes and catch basins beyond the Facility footprint as shown on the Site services drawing in Appendix 1G [Site Services] or as otherwise reviewed by the Authority.

4.5.3.3(4)(a) Where storm mains run beneath a structure, they will meet the following minimum criteria:

(a).1 Storm mains will be arranged in pathways parallel to building structural grid. No manholes, services or appurtenances within be installed within the footprint of the Facility;

(a).2 Steel casing pipe will be provided for the entire length of the storm main where it runs within the Facility footprint and extend to the manholes at each end; and

(a).3 All manholes, services or appurtenances will be located at sufficient distance from the Facility footprint such that, in the event of maintenance or future repair, any excavations will not negatively impact the structural systems.

4.5.3.3(5) If required by the City of Williams Lake or other Authorities Having Jurisdiction, provide adequately sized storm water detention basins and storm water oil grit separators.

4.5.3.3(6) Provide sizing calculations for the detention structure and the stormwater treatment unit if any are required.

4.5.3.3(7) Storm sewer pipes on grades greater than 20% are to have double nut joint restrainers on each joint or be fused pipe.

4.5.3.3(8) All existing storm mains that will be maintained following construction will be video inspected before and after construction. Video inspection requirements for existing mains will be in accordance with the MMCD Platinum (latest version), Section 33 30 01 Clause 3.18 Video Inspection. Any apparent deficiencies identified between pre and post construction will be repaired by the Contractor at their sole cost.

4.5.3.4 Watermain and Appurtenances

4.5.3.4(1) Provide two watermain services connections, one connected to the north side of the Facility, and one to the south using the existing onsite watermains. Water services will be in separate trenches complete with appurtenances, capable of providing all required domestic and firefighting capacity and redundancy for the Facility. Each service will be sized to provide domestic and fire flow demands for the Facility.

4.5.3.4(2) The watermain system and the secondary water service will include proper backflow preventers necessary to protect the municipal system and on-site facilities from Contaminants based on the hazard level of the Facility.

4.5.3.4(3) Coordinate with the City of Williams Lake Engineering Department for off-site watermain connections.

4.5.3.4(4) Coordinate with the City of Williams Lake Engineering Department for the location of new fire hydrants or any existing fire hydrants to be replaced with new. Existing hydrants will not be relocated; provide new hydrants, fittings and valves.

4.5.3.4(5) Relocate the existing water services by removing the existing water services and appurtenances where needed and providing new water services and appurtenances beyond the Facility footprint as shown on the Site services drawing in Appendix 1G [Site Services] or as otherwise reviewed by the Authority.

4.5.3.4(6) On-Site watermain services will be designed to Authority Standards and guidelines for off-site water systems.

4.5.3.4(7) Watermain services on grades greater than 20% are to have double nut joint restrainers on each joint or be fused pipe.

4.5.3.4(8) All buried metal fittings, bolts, nuts and rods will be wrapped in Denso paste and tape.

4.5.3.5 Road Works

4.5.3.5(1) Design and construct on-site roadway, including the pavement, curbs and gutters, sidewalks, walkways, signage, pavement markings, and traffic calming devices that are accessible for Persons with Disabilities and wheelchair friendly, to provide safe passage between surface parking areas, loading areas, vehicle areas and drop-off areas.

4.5.3.5(2) Design and construct sidewalks, curbs & gutters as shown on the Site servicing drawings in Appendix 1G [Site Services] and as required by the City of Williams Lake.

4.5.3.5(3) Design and construct roadside barriers in accordance with a barrier warrant analysis.

4.5.3.5(4) For new driveways and access roads or modifications to existing driveways and access roads on the CMH Campus, submit vehicle turning templates to the Authority for review for the following design vehicles, where applicable, as required in Appendix 2A [Submittals], Schedule 2 [Review Procedure]:

4.5.3.5(4)(a) Fire truck that meets the City of Williams Lake Fire Department criteria; and

4.5.3.5(4)(b) Design vehicles determine in consultation with the Authority such as; Medium Size Utility (MSU), SU-9, Ambulance, and Passenger Vehicle (P).

4.5.3.5(5) Construct the roads and sitework to support the crane load as set out in Section 5.2.1.2(1).

4.5.3.5(6) Delivery Access Road Widening

4.5.3.5(6)(a) The existing delivery route at the southeast corner of the Existing Hospital is required to be widened to allow the safe passage of the design vehicle.

4.5.3.5(6)(b) The Design-Builder will remove and dispose of existing asphalt, unsuitable soils and any deleterious materials as determined by the Design-Builder’s geotechnical engineer.

4.5.3.5(6)(c) The geotechnical engineer will provide a road structure design that supports the anticipated traffic on Site and design delivery vehicles.

4.5.3.5(7) Construct the new road structure for delivery access using best practices and as follows:

4.5.3.5(7)(a) Place material only on substrate which is clean, unfrozen, properly shaped and compacted and free from snow and ice;

4.5.3.5(7)(b) Place granular materials using methods which do not lead to segregation or degradation of aggregate;

4.5.3.5(7)(c) Place material to full width in uniform layers not exceeding 300 mm or as directed by the geotechnical engineer of record;

4.5.3.5(7)(d) Shape each layer to smooth contour and compact to specified density before succeeding layer is placed;

4.5.3.5(7)(e) Remove and replace portion of any layer in which material has become segregated during spreading; and

4.5.3.5(7)(f) Compaction of road structure to be in accordance with geotechnical engineer's recommendations. Sieve, proctor and compaction test results to be submitted to geotechnical engineer for review.

4.5.3.5(8) Paving of the new road structure for delivery access to be completed using asphalt meeting specifications outlined in Master Municipal Construction Documents Association 2019 (MMCD).

4.5.3.5(9) Paving of the new road structure for delivery access to be completed as follows:

4.5.3.5(9)(a) Place asphalt to thickness as recommended by geotechnical engineer;

4.5.3.5(9)(b) Place asphalt mixtures only when air temperature is above 5 degrees Celsius;

4.5.3.5(9)(c) When temperature of surface on which material is to be placed falls below 10 degrees Celsius, provide extra rollers as necessary to obtain required compaction before cooling;

4.5.3.5(9)(d) Do not place hot-mix asphalt when pools of standing water exist on surface being paved, during rain or when surface is damp;

4.5.3.5(9)(e) Place asphalt in compacted lifts of thickness as specified in Section 32 12 16 of the MMCD or as directed by the engineer of record; and

4.5.3.5(9)(f) Roll asphalt continuously to average density specified by the geotechnical engineer.

4.5.3.5(10) Embankments will be constructed in accordance with geotechnical engineer's recommendations including the following:

4.5.3.5(10)(a) Geotechnical engineer to review and approve existing material, backfill and imported materials prior to placement;

4.5.3.5(10)(b) Compact all earth fills and granular layer to 95% Modified Proctor Density (MPD), unless otherwise directed by the geotechnical engineer; and

4.5.3.5(10)(c) Embankments will be placed, shaped, compacted, and protected as recommended by the geotechnical engineer.

4.5.3.5(11) Laneway widening and embankment design will consider safety of vehicular and pedestrian traffic.

4.5.3.6 Electrical, Telecommunications, Gas Services

4.5.3.6(1) Provide electrical, telecommunication and natural gas services to the Facility. Coordination will be required with the CMH Facility Services, BC Hydro, Fortis Gas BC, Telus, Shaw, BC Safety Authority and the City of Williams Lake.

4.5.3.6(2) The Design-Builder will relocate the existing gas services and meters:

4.5.3.6(2)(a) Beyond the Facility footprint generally shown on the Site services drawing in Appendix 1G [Site Services];

4.5.3.6(2)(b) Within the surface parking areas as needed to meet utility provider’s requirements; and

4.5.3.6(2)(c) Remove abandoned services where needed.

4.5.3.7 Irrigation

4.5.3.7(1) Abandon and/or remove existing irrigation lines and provide new irrigation lines complete with appurtenances to replace the existing irrigations lines where needed.

4.5.3.8 Existing Emergency Generator Fuel Tanks

4.5.3.8(1) Relocate existing emergency power generation systems and remove all redundant equipment, piping, controls and tanks once new generator system is installed, commissioned, and in service.

4.6 Urban Design and Site Development

4.6.1 General

4.6.1.1 Minimize the impact of Site development and Facility placement and orientation on adjacent neighbours and land uses. Preserve visual privacy and sunlight for adjacent properties and buildings and include features that will give the Facility an identity consistent with its overall urban context.

4.6.1.2 Consider the micro-climatic effects arising from the location and configuration of parking, walkways and other CMH Campus buildings, including effects of Facility entrance orientation on Patient, Staff and visitor comfort and safety. Consider the existing slope across the CMH Campus and its impact on CMH Campus circulation and on Facility location and configuration.

4.6.1.3 Articulate the exterior of the Facility to create an architecturally interesting and refined structure. Consider emphasizing the modular requirements of the program in the massing and materials to achieve articulation, visual interest, and human scale.

4.6.1.4 Contribute to an urban, pedestrian-oriented CMH Campus environment by creating a fine-grained road/pedestrian/open space network that contributes to smaller, human-scaled spaces and increased access/permeability. The CMH Campus is located on a relatively steep slope. Confirm and illustrate that all road and pedestrian routes are graded to accessible for Persons with Disabilities slope and applicable Standards.

4.6.1.5 Reinforce the physical relation of the Facility with the streets surrounding the CMH Campus and create a legible CMH Campus layout and pattern to foster a strong sense of place and identity.

4.6.1.6 Provide Site furniture and pedestrian scale lighting to complement the existing CMH Campus furniture and lighting.

4.6.1.7 Design for the functional separation of traffic for: 1) emergency vehicles, 2) visitor/ Staff vehicles, 3) Medi-Van / HandyDART vehicles, 4) public transit, and 5) service vehicles.

4.6.1.8 Integrate vehicular circulation with the layout of pedestrian zones to provide visible connections, promote safe travel, and minimize conflict between vehicles and. Design the driveways to provide connections between the surrounding roads and the main entrance to the Facility.

4.6.1.9 Design for maximum access to the Facility. Provide separate and distinct passenger-side lay-by-stall drop-off areas.

4.6.1.10 All drop-off areas will be covered with canopies to provide shelter for Staff and visitors getting in and out of vehicles, including Medi-Van/HandyDART. Provide

protection from inclement weather along the entire length of the drop-off and pick-up area extending 300 mm beyond the edge of the curb.

4.6.1.11 Include waiting space and benches for seated, in-wheelchair and standing users.

4.6.1.12 Provide a visitor bicycle storage area. Bicycle racks for visitors will be located in a convenient, well-lit location that is easily accessible by visitors and placed so as not to obstruct pedestrian circulation. All bicycle storage will be covered and protected from the elements, including covers that project over gates or access points.

4.6.1.13 Provide safe pedestrian refuge spaces behind sidewalk wheelchair ramps.

4.6.1.14 Keep existing supply flows to the existing loading docks and loading areas intact during and after Construction.

4.6.1.15 Design refuse, recycling, and utility areas so they cannot be viewed from the surrounding buildings or neighbourhood areas.

4.6.1.16 Reduce the visual impacts of the new surface parking areas, providing plant shrubs and small trees to define circulation routes for pedestrians and vehicles.

4.6.1.17 Incorporate sustainable measures such as integrated landscaping, drainage swales, or permeable paving to decrease storm water run-off.

4.6.1.18 Create meaningful open spaces, both urban and natural, for the benefit of visitors and Staff, which provide opportunities for recreation and healing and contribute to a cohesive, healthy community; capitalize on opportunities for outdoor areas of respite and repose to aid in providing a healing environment.

4.6.2 Public Realm and Open Space

4.6.2.1 Design and construct the Facility with consideration for the legibility, quality and consistency of the overall treatment of the public realm, including public open space, pedestrian corridors and streets, to achieve the urban design objective for a unified and attractive built environment. Provide a thoughtful integration with the CMH Campus and the surrounding natural slopes.

4.6.2.2 Provide a Design that responds to CPTED principles, having particular regard for the prevention of theft, mischief and vandalism.

4.6.3 CMH Campus Wayfinding and Exterior Signage

4.6.3.1 Arrange pedestrian pathways created by the Facility to ease Wayfinding and create an amenable environment for pedestrians through the use of coordinated methods of Wayfinding which inform people of routes through the CMH Campus to specific buildings and entries or to the major street and transit nodes. Encourage pedestrians to avoid unsafe vehicle roads by providing well-signed alternative

pedestrian routes. Utilize paving patterns which can easily be differentiated from vehicular paving by pedestrians where they cross vehicular traffic.

4.6.3.2 Provide visually connected pathways and integrated outdoor amenity spaces with required signage.

4.6.3.3 Provide external directional signage that:

4.6.3.3(1) clearly identifies the Facility and its Components, including the Emergency Department entrance, drop-off areas and all parking areas;

4.6.3.3(2) is easily understandable by Patients and families using it to access the CMH Campus for first time;

4.6.3.3(3) clearly indicates the entry points to the CMH Campus, access points for public parking, lay-by drop-off locations, entry points to the CMH Campus buildings and, where there are multiple entrances, signs clearly identifying which entrances are for which purpose, as well as any restrictions for both entry and/or parking for various vehicle types and any after-hours access limitations;

4.6.3.3(4) is well-illuminated, backlit, reflective or high contrast and easily visible at night;

4.6.3.3(5) minimizes light spillage;

4.6.3.3(6) uses universal symbols and standard colours for parking signage;

4.6.3.3(7) uses the Interior Health Graphic Standard for all ‘Interior Health and logo’ placement;

4.6.3.3(8) resists wind loads as required by the BCBC, latest edition;

4.6.3.3(9) is equipped with LED fixtures, with light colour spectrum to be confirmed in consultation with the Authority; and

4.6.3.3(10) utilizes the Authority’s brand and inclusive sign guidelines for exterior signs.

4.6.3.4 Provide all necessary exterior illuminated signage along 4th and 6th Avenues and the on-Site access roads, identifying the Facility and the access points. Signage will be legible for drivers at an adequate distance that they can safely slow down and enter the CMH Campus for drop-off and parking areas. Fully coordinate Wayfinding and signage with the Authority.

4.6.3.5 Provide all temporary CMH Campus signage required before and during Construction to notify the public and Staff of the following:

4.6.3.5(1) Vehicles – public, service and Staff vehicle route changes;

4.6.3.5(2) Walkways, sidewalks – public and Staff closure, alternate routes locations, access;

4.6.3.5(3) Site and Facility access/egress – temporary closure of access or egress from any of the building on the CMH Campus;

4.6.3.5(4) Hours of closure – temporary hour changes; and

4.6.3.5(5) Relocated parking, drop-offs/pick-ups – temporary relocation of parking, drop-off pick-up stalls for public, taxi, ambulance, etc.

4.6.4 Site Access for Disabled, Elderly and Paediatric Populations

4.6.4.1 The primary pedestrian systems, public open spaces, primary private walkways and principal entrances to the Facility will be accessible to Persons with Disabilities. The Design will exceed disability access guidelines in terms of wheelchair use as these are written for independent wheelchair users and not those requiring physical assistance with wheeled mobility.

4.6.4.2 Provide adequate space at drop-off and pick-up points for additional assistive equipment.

4.6.4.3 Access and egress routes, entrances and similar outdoor spaces will be accessible for Persons with Disabilities and those requiring assistive mobility equipment (including strollers).

4.6.4.4 Use signage, markers or other levels of Wayfinding along access routes to indicate to the physically challenged the route terminus points or any required route changes to ensure universal access throughout the CMH Campus.

4.6.5 Site Lighting

4.6.5.1 Provide lighting to enable 24-hour-a-day public and Staff accessibility.

4.6.5.2 Provide lighting for public outdoor spaces to create an unobtrusive, human scale lighting concept, with a hierarchy of fixture types designed according to functional and security needs (including CPTED) and reflecting the hierarchy of pedestrian corridors.

4.6.5.3 Light fixtures within the reach of pedestrians will be Vandal Resistant.

4.6.5.4 Lighting on pedestrian paths will illuminate not just the path but also spill over to illuminate several metres adjacent to the path, particularly enroute to transit connections.

4.6.5.5 Provide lighting for roadways, walkways and surface parking areas within the Site to ensure safe vehicle and pedestrian traffic with respect to collisions, personal

safety, and building access and egress. Lighting design will address existing CMH buildings and neighbours' privacy from all storeys.

4.6.5.5(1) Prevent light trespass into Patient Rooms and neighbouring yards and windows;

4.6.5.5(2) Prevent lighting glare, shadow or high contrast with surrounding areas; and

4.6.5.5(3) Screen views into Patient Rooms and neighbouring yards from upper floor windows.

4.6.5.6 Site lighting will conform to LEED® light spillage requirements and will comply with CSA and the City of Williams Lake's Standards complete with sharp cut-off (dark sky compliant) to meet LEED Certification.

4.6.5.7 Establish a safe pedestrian route with appropriate lighting from all areas of the new surface parking areas.

4.6.6 Landscaping

4.6.6.1 Provide landscaping for the Site that contributes to the creation of a livable, healthy and responsive community.

4.6.6.2 Create a landscape environment that is a sympathetic integration between the urban CMH Campus and the surrounding natural slopes and adjacent developments.

4.6.6.3 Locate trees, shrubs, lighting and seating elements to support Wayfinding on the CMH Campus and to provide comfortable waiting areas at the Facility entrances.

4.6.6.4 Provide landscaping complementary to any permanent landscaping at the CMH Campus to create a contiguous and unified landscape buffer. Street trees will be of a consistent species and be suitable to Site conditions. Provide tree trench planting details in street boulevards and in hard surface courtyard conditions.

4.6.6.5 All landscaping and Site Design will comply with all applicable City of Williams Lake bylaws.

4.6.6.6 Use large calliper deciduous trees and evergreen trees that provide seasonal interest in combination with ground cover plants and low shrub plantings. Use a variety of plant material to reflect seasonal change.

4.6.6.7 Limit the number of tree species where appropriate to help unify the character of the Site, create recognizable spaces, contribute to orientation on the CMH Campus and create a strong sense of place.

4.6.6.8 Include plants indigenous to this local area and those that were traditionally used by the local Aboriginal populations.

4.6.6.9 Use indigenous flora where appropriate to minimize maintenance and reduce water requirements. All plant selection will be suitable for the Williams Lake plant hardiness zone and specific to the Site micro-climate conditions.

4.6.6.10 Landscape open spaces and setbacks, including protecting any existing heritage trees, as required by the City of Williams Lake. Provide suitable protection in the form of fencing around existing street trees to be retained. The protected zone will extend to the drip line of the tree canopy. Provide a separate tree protection plan illustrating the species and size of all the trees on Site and within 10 metres of the limit of Construction. Also indicate the trees to be removed, the trees to be retained, the protection measures to be kept in place for the duration of the contract and any other requirements of the Authority Having Jurisdiction.

4.6.6.11 Provide outdoor amenity areas in the Design of the Facility, including:

4.6.6.11(1) Spaces that will be fully accessible to the public with strong connections to the CMH Campus and the neighbourhood;

4.6.6.11(2) Spaces that provide respite and repose to pedestrians, including Patients and their families, with covered portions for protection from the elements;

4.6.6.11(3) Spaces that provide a convenient and comfortable environment for Staff breaks and eating outdoors; and

4.6.6.11(4) An exterior ceremonial smudging space, in a landscaped area between the Emergency Department entrance and the North Lot surface parking, with seating to accommodate a minimum of four (4) persons.

4.6.6.12 Design outdoor amenity areas to minimize ambiguity by:

4.6.6.12(1) providing well-defined and inviting entrances;

4.6.6.12(2) providing a Design that is easy to interpret by the intended occupants; and

4.6.6.12(3) Ensuring that patterns, colours and forms that are used in the Design to be compatible with the intended occupants.

4.6.6.13 Outdoor amenity areas will meet the following requirements:

4.6.6.13(1) Provide all landscaping for the outdoor amenity areas. Include all exterior furnishings and artwork to complete the space;

4.6.6.13(2) Provide a variety of seating spaces to create distinct zones of use within the courtyards and perimeter areas;

4.6.6.13(3) Design to stimulate the senses of sight, sound, smell and touch;

4.6.6.13(4) Provide natural lighting and sounds;

4.6.6.13(5) Design with an emphasis on natural features such as plants, stone, and wood;

4.6.6.13(6) Water features are not acceptable;

4.6.6.13(7) Plant selection will consist of non-poisonous species; and

4.6.6.13(8) All elements will be designed to be appropriate to the specific needs of the users and be universally accessible.

4.6.6.14 Provide pedestrian surfaces that are suitable for use by wheelchairs, double wide strollers, and small wheeled medical devices. Asphalt, wide expanses of pavers or crushed rock surfaces will not be permitted for outdoor amenity area surfaces.

4.6.6.15 If used in limited areas, concrete pavers will be coloured, contain special aggregates and/or feature architectural finishes to enhance their appearance and be used in combination with built in furniture or landscape features to break up wide expanses. Use concrete pavers in varying patterns and textures to provide visual interest. To reduce visual glare, avoid large areas of light-coloured paving.

4.6.6.16 Landscape plans will include all exterior features of other disciplines such as lighting, retaining walls, architectural columns and utility infrastructure components. Landscape Design will incorporate the design requirements of these existing and proposed exterior and underground items.

4.6.6.17 Group plants of similar habits and environmental requirements to minimize the use of water, chemicals and fossil fuel for routine maintenance and to promote a healthy local ecosystem using sustainable measures.

4.6.6.18 Unify the ground plane treatment through the use of common paving materials, tree grates, lighting and other landscape furniture items. Clearly show the installation and Construction details for the integration of these various elements.

4.6.6.19 Shrubbery within 2 m of walkways will not exceed 50 cm in height.

4.6.6.20 Provide and coordinate the Design of exterior furnishings, including benches provided at regular intervals for ease of use, particularly for the infirm. Select products on the basis of safety, comfort, design and materials that relate to the Facility architecture and landscape Design, durability and required maintenance. Provide installation details for furnishings in all specified surfaces. See Section 8.2.4 for additional requirements.

4.6.6.21 Locate trees, shrubs, lighting and seating elements to support Wayfinding on the Site.

4.6.6.22 Design landscape features and provide exterior furniture that does not encourage the use of skateboards.

4.6.6.23 Provide landscape features for the enjoyment of Patients, visitors and Staff; provide the use of healing gardens and quiet spaces versus play features.

4.6.6.24 Where roof areas are directly visible from Patient Rooms or Staff Lounges in the Existing Hospital or the Facility, consider extensive-type green roofs in the Facility. Landscape plans will demonstrate details for construction, access requirements for maintenance, water availability, irrigation methods, and the extent of maintenance required. If used, all green roof areas to have low maintenance requirements and be appropriate for the micro-climate of each roof area.

4.6.6.25 Provide a separate landscape grading plan showing existing and proposed contours. A plan for each area is required to identify all gradients on pedestrian hard surface areas and landscape areas. Surface drainage requirements and proposed elevations will be coordinated with other disciplines. Clearly show the limit of Construction and blend proposed grades into the existing slopes. This is especially critical on the steep slopes on the south side of the Facility.

4.6.6.26 If required, provide leveling strips at the point of access to the Facility to ensure continuous barrier-free access. The leveling strips will be designed to be barrier free and paved and allow for simple adjustment if required by Facility settlement.

4.6.6.27 All retaining walls and constructed slopes will be clearly identified and referenced, complete with top and bottom elevations. All elevations will be coordinated with the Design of the other disciplines. Prepare sections to illustrate the landscape integration with all exterior structures.

4.6.6.28 Minimize grade changes for dropped curbs and raised crossings. Dropped curbs aligned to pedestrian crossings will include a flat area separate from sloped portions to provide a wheelchair area of refuge from traffic.

4.6.6.29 All exterior vegetation will be reviewed by the Authority to ensure that it does not interfere with exterior camera views and any required exterior Lines of Sight.

4.6.6.30 Provide landscaping for the new surface parking areas as set out in the City of Williams Lake bylaw. Calculations for the existing tree removal and required tree replacement will be the responsibility of the Design-Builder. Demonstrate the provision of shade and landscape within the parking area. Careful consideration is required for the integration of the surrounding natural landscape on the steep slopes with the proposed landscape and surface drainage requirements of the new surface parking areas. Landscape sections will illustrate the landscape installation integrated with the adjacent existing facilities and proposed structures.

4.6.6.31 Irrigation: Design the irrigation system to provide automatic, timed irrigation for all soft landscape areas surrounding the new surface parking areas and the Facility. Incorporate efficient, low water-use landscape design where practical and

appropriate, utilizing harvested water if possible. Connect new systems to existing irrigation system if feasible. Irrigation system to comply with the Irrigation Industry Association of BC's "Standards for Landscape Irrigation Systems".

4.6.6.32 Maintenance: Delineate the extent of the various levels of landscape maintenance requirements for establishment and continued sustainability of the Project. Provide a landscape design with low maintenance requirements where practical and appropriate. The landscape maintenance requirements will vary from the high-use areas surrounding the Facility to re-establishment of the local native vegetation on slopes.

4.6.7 Parking and Site Access

4.6.7.1 Permanent Onsite Parking

4.6.7.2 Basic Requirements

4.6.7.2(1) All parking stalls will be sized as required by the City of Williams Lake bylaw requirements. The ratio of small to large stalls will meet the City of Williams Lake bylaw requirements. The minimum vertical clearance above each stall will be 2.4 m unless required to be higher by the Authority Having Jurisdiction;

4.6.7.2(2) Provide a minimum total of 286 parking stalls (disability parking spaces will count as one stall only), including:

4.6.7.2(2)(a) Existing stalls retained – minimum 81 stalls; and

4.6.7.2(2)(b) New parking stalls – minimum 205 stalls.

4.6.7.2(3) The minimum number of parking spaces accessible to Persons with Disabilities and small car spaces for the new surface parking areas will be as set out in the City of Williams Lake bylaw;

4.6.7.2(3)(a) Provide 10 motorcycle parking spaces complete with proper distinct line painting and surface labelling.

4.6.7.2(4) Design and construct safe pedestrian crossings at the following locations to meet the Standards and guidelines set out in the Pedestrian Crossing Control Manual for British Columbia currently in force:

4.6.7.2(4)(a) From Deni House to the main entrance of the Existing Hospital; and

4.6.7.2(4)(b) From the new surface parking areas to the south of the Facility to the new Emergency Department entrance on the north side of the Facility.

4.6.7.3 Performance Requirements

4.6.7.3(1) Provide adequate provision for ingress to and egress from all parking spaces to ensure ease of mobility, ample manoeuvring clearances, and safety of vehicles and pedestrians;

4.6.7.3(2) Design traffic flow to reduce car speed on the CMH Campus and provide traffic calming measures to slow cars down where required to encourage safe traffic speed. Traffic calming measures will include landscape features, road textures and speed bumps;

4.6.7.3(3) The parking spaces will be laid out in an orderly and logical Design to minimize confusion and excessive circulation through parking areas;

4.6.7.3(4) Allow public and Staff vehicles entering the CMH Campus to remain on the CMH Campus and access the Facility drop-off/pick-up area with two-way traffic circulation without having to leave the CMH Campus;

4.6.7.3(5) Provide fire vehicle access to the Facility entrance;

4.6.7.3(6) Ensure all surface parking areas are well lit and clearly and intuitively numbered and marked with paint or signage in coordination with the Facility Wayfinding strategy;

4.6.7.3(7) Paint all stall lines and stall numbers;

4.6.7.3(8) Provide concrete filled domed steel bollards painted yellow and suitably fastened to adjacent substrate to protect all fixed equipment, tanks, screens and fixtures within vehicular access areas from any potential vehicular impact damage;

4.6.7.3(9) Lay out parking such that it does not require a vehicle to back up for more than 10 m;

4.6.7.3(10) Maximum allowable slope or cross-fall applicable to both the parking stalls and access aisles is 6% unless justified and approved by the Authority.

4.6.7.4 New Surface Parking

4.6.7.4(1) Design and construct new surface parking lots for the Facility, including the following:

4.6.7.4(1)(a) North Lot

(a).1 Locate the North Lot within the area of the CMH Campus that is bounded by the service lane, 6th

Avenue and Gibbon Street to the west and north, by the Deni House to the east and by the Facility to the south, as shown in Appendix 1G [Site Services].

(a).2 Provide offsite vehicular access, comprising both entry and exit, to the North Lot from the intersection at Gibbon Street and 6th Avenue.

(a).3 Provide at least 62 of the minimum required new parking stalls in this lot.

(a).4 Situate all of the required new parking stalls accessible to Persons with Disabilities at the south end of the North Lot and provide safe, wheelchair-accessible pathways and crosswalks having slopes no greater than 5% leading users to the Emergency Department entrance from any such accessible parking stall.

(a).5 For the remaining parking stalls in the North Lot, provide safe, pedestrian walkways and crosswalks having slopes no greater than 6% unless justified and approved by the Authority, leading users to the Emergency Department entrance from any parking stall on the lot.

4.6.7.4(1)(b) Comer Street Lot

(b).1 Locate the Comer Street Lot within the area of the CMH Campus bounded by Lot 1 to the northeast, Comer Street to the southeast, Lot 4 to the southwest, and the Existing Hospital to the northwest.

(b).2 Provide offsite vehicular access to the Comer Street Lot from Comer Street.

(b).3 Provide at least 55 of the total required new parking stalls in this lot, as indicated in Appendix 1G [Site Services].

(b).4 Provide users of the Comer Street Lot with access to the Existing Hospital and Facility as follows:

(b).4.1 Within the lot, provide a safe pedestrian route having slopes no greater than 5% leading to the sidewalk along Comer Street and to an access stair, described below; and

(b).4.2 Starting at a point along the west edge of the lot and on the CMH Campus, provide an access stair and paved pathway to the parking area adjacent to

the existing loading dock that meets the following requirements:

(b).4.2.1 Be constructed with any necessary retaining walls set into the natural slope of the Site;

(b).4.2.2 Have a minimum width of 2.0 m;

(b).4.2.3 Have treads with a maximum rise of 180 mm and a minimum run of 280 mm;

(b).4.2.4 Incorporate flights of stairs each having a maximum height of 2 m and landings having a minimum length equal to the width of the stair, where at least every third landing is an extended landing, that is, a landing having a length at least twice the width of the stair;

(b).4.2.5 Include areas of respite with seating that are contiguous with every extended landing but out of the walking path;

(b).4.2.6 Provide seating consisting of fixed benches with backrests, each at least 2.0 m in length;

(b).4.2.7 Locate and orient the areas of respite to afford occupants with views of the CMH Campus landscape and the City where possible;

(b).4.2.8 Provide guards along both sides of the stair and around areas of respite wherever no retaining walls are present;

(b).4.2.9 Provide handrails on both sides of the stair as part of all guards and retaining walls;

(b).4.2.10 Include downward-facing, top-shielded LED lighting integrated into the steps, retaining walls and handrails as appropriate to illuminate the walking surface in poor daytime lighting conditions and at night;

(b).4.2.11 Construct all retaining walls of Architectural Concrete; and

(b).4.2.12 Not Used.

(b).4.2.13 At the top of the stair, provide a new continuous designated pedestrian crosswalk leading to the at-grade, service entrance as described in Section 5.14 Covered Service Entrance.

4.6.7.5 New Lay-By Parking Stalls

4.6.7.5(1) Design and construct lay-by and parking stalls for the Facility, including the following:

4.6.7.5(1)(a) Lay-by stalls for passenger-side Patient drop-off and pick-up only located adjacent to the Emergency Department entrance of the Facility to accommodate a minimum of seven (7) cars (taxi, courier and visitor);

4.6.7.5(1)(b) Lay-by stalls for passenger-side Patient drop-off and pick-up only located adjacent to the Existing Hospital main entrance to accommodate a minimum of two (2) Medi-Van / HandyDART vehicles and two (2) cars (taxi, courier and visitor); the two (2) Medi-Van / HandyDART stalls will accommodate the larger of the two vehicles;

4.6.7.5(1)(c) The terms “drop-off” and “pick-up” refer to quick-turnover parking spaces for which the Authority intends to limit the length of time that they are continuously occupied by the same vehicle. The layout of these spaces will meet all applicable City of Williams Lake parking by-laws, including size of space;

4.6.7.5(1)(d) Drop-off and pick-up spaces will be passenger-side lay-by, parallel type spaces located adjacent to the Emergency Department entrance and the Existing Hospital main entrance that provide sufficient room for elderly and physically impaired visitors to manoeuvre safely. Provide vertical clearance over all stalls and vehicle paths in the drop-off and pick-up area to accommodate the design vehicles, including ambulances for Future Flexibility;

4.6.7.5(1)(e) The Authority’s anticipated HandyDART and MediVan vehicles consist of the following, which are subject to

change and will be confirmed with the Design-Builder during the design phase:

(e).1 HandyDART vehicle: ARBOC. Dimensions are as follows: 3.1 m H x 8.5 m L x 2.4 m W. Vehicles have a side ramp that extends 1.57 m. Provide minimum 1200 mm clearance for a person in a wheelchair to get on and off the ramp; and

(e).2 Medi-Van vehicle: Nissan NV. Dimensions are as follows: 2.4 m H x 6.7 m L x 2.4 m W.

4.6.7.6 Parking Payment Machines

4.6.7.6(1) Provide provisions in exterior surface parking areas for the future installation of parking payment machines at a minimum in the following locations as reviewed by the Authority:

4.6.7.6(1)(a) Not Used

4.6.7.6(1)(b) Total of eight (8) parking payment machines to be located within Work Areas A, B and C; refer to Appendix 1O [Work Area Diagram]. Parking payment machines will be distributed and located in consultation with the Authority.

4.6.7.6(2) Provide provisions for future installation of a minimum of one (1) parking payment machine inside the Emergency Department entrance vestibule.

4.6.7.6(3) Locate parking payment machines in the exterior surface parking areas such that they are spread throughout the parking area to provide easy access.

4.6.7.7 Safety and Security

4.6.7.7(1) Apply CPTED principles, including the following:

4.6.7.7(1)(a) reduce opportunities for graffiti through the use of anti-graffiti coatings; at a minimum provide anti-graffiti coating on exterior surfaces to a minimum height of 2400 mm above finished ground, or to the next logical breakpoint in the material above that height; and

4.6.7.7(1)(b) reduce opportunities for hiding spaces.

4.6.7.7(2) Provide a method for users to readily summon help if in distress or danger in all exterior parking areas.

4.6.7.8 Temporary Offsite Parking

4.6.7.8(1) The Design-Builder will secure temporary off-site parking for its personnel throughout the Construction of the Facility; the Design-Builder's personnel will not be permitted to park on the CMH Campus.

4.6.8 Onsite Works

4.6.8.1 Principles of Onsite Works

4.6.8.1(1) Do not obstruct the free flow of traffic into and out of the CMH Campus or onto adjacent streets; and

4.6.8.1(2) Provide adequate provision for ingress to and egress from all spaces to ensure ease of mobility, ample manoeuvring clearances, and safety of vehicles and pedestrians.

4.6.9 Offsite Works

4.6.9.1 Connect storm and sanitary services for the Facility to the municipal sanitary and storm sewer, in accordance with the City of Williams Lake bylaws, on Comer Street where shown on the Site services drawing in Appendix 1G [Site Services].

PART 5. BUILDING DESIGN REQUIREMENTS

5.1 Adaptability and Flexibility

5.1.1 The Design-Builder will:

5.1.1.1 Provide a Design that will accommodate changes to uses and functions in the Facility with minimal required changes to the Facility's structure and Building Systems;

5.1.1.2 Utilize Building Systems and components that facilitate changes in the Facility configuration and changes in servicing;

5.1.1.3 Accommodate program, service, work and equipment changes with minimized utility infrastructure and Facility impact, including downtime, e.g., during fit-out of Future Flexibility space or equipment installation;

5.1.1.4 Locate permanent Facility elements such as stairs, elevators, Electrical Rooms, Telecommunications Rooms and duct shafts to minimize constraints on changes to the Facility;

5.1.1.5 Minimize interior columns for ease of planning and re-planning of Clinical Spaces;

5.1.1.6 Place columns such that they will not impact the functionality and intended use of a room or area;

5.1.1.7 Locate shear walls to stair and elevator cores to minimize impact on Clinical Spaces; interior shear walls are not acceptable;

5.1.1.8 Consider the ongoing adaptation and reuse of the Facility as it relates to sustainable building design;

5.1.1.9 Provide excess capacity in vertical (and horizontal) distribution shafts and plenums to accommodate service system improvements, new equipment, digitization, Picture Archiving and Communication System (PACS), and current and future technologies;

5.1.1.10 Minimize the need for the Authority to undertake maintenance that requires special safe work procedures and hazardous classifications;

5.1.1.11 Provide a Design that accommodates program, service, work and equipment changes with minimized Utility infrastructure and impact;

5.1.1.12 Provide additional capacity in mechanical and electrical services, including the following, as set out in Sections 7.1 and 7.7:

5.1.1.12(1) Vertical and horizontal risers;

5.1.1.12(2) Distribution shafts;

5.1.1.12(3) Equipment space in service rooms;

5.1.1.12(4) Equipment capacity; and

5.1.1.12(5) Plenums.

5.1.1.13 Accommodate the vertical and horizontal distribution of electrical and mechanical services to allow maintenance and changes to occur with no interruptions to operations, particularly where the need for service flexibility is highest;

5.1.1.14 Not Used

5.1.1.15 Provide a Design that ensures optimal use of space and clinical workflows both of the spaces that are Commissioned and of those that are Unequipped at the End Date. With reference to the programmed spaces in Appendix 1A [Clinical Specifications and Functional Space Requirements], the Unequipped spaces in the Project are the following:

5.1.1.15(1) Four (4) Patient Room-Private listed under B2 – 12-Bed Clinical Area in the Medical-Surgical Inpatient Unit, which are not located within the 12-bed Outbreak Control Zone; and

5.1.1.15(2) Four (4) Patient Room-Private listed under B5 – Standalone 12-Bed Clinical Area in the Medical-Surgical Inpatient Unit.

5.2 Maintainability

5.2.1 The Design-Builder will:

5.2.1.1 Demonstrate to the Authority all equipment replacement, shipping and rigging routes, including how the strategic location of I-beams, lifting rigs and lifting eyes provided by the Design-Builder will enable the Authority to perform maintenance activities;

5.2.1.2 Provide crane plans for equipment requiring removal/replacement by external crane;

5.2.1.2(1) Construct the roads and sitework to support the crane plus load weight as indicated by the crane lift plans;

5.2.1.3 Provide adequate equipment installation pathways and maintenance access clearances;

5.2.1.4 Provide access for the replacement of equipment due to failure or life-cycle replacement without disruption to adjacent equipment and systems;

5.2.1.5 Provide a system or strategy to support equipment where conduit is not imbedded into the slab, to allow for ease of servicing to security stations, control rooms and medical equipment. Conduit in concrete slabs is not permitted. Raised access flooring is not permitted;

5.2.1.6 Provide maintenance access to all equipment in accordance with the manufacturer's service clearance requirements.

5.2.1.7 Ensure all equipment will be capable of being removed and replaced without the need to move other equipment. Location of mechanical services and equipment will be coordinated with other trades to ensure that access clearances are maintained;

5.2.1.8 Rooftop mechanical/electrical equipment will be positioned minimum 2 m away from unguarded roof edges so that it can be inspected and maintained without requiring fall protection, in conformance to WorkSafe BC regulations.

5.2.1.9 Ensure that operable components are accessible without the use of additional equipment or ladders, wherever possible. Locate all gauges and monitoring interfaces in a convenient location for ease of access and visual monitoring; and

5.2.1.10 Provide access to the ceiling space for Building Systems maintenance only from corridors, mechanical rooms or CSA Type III spaces as classified by CSA Z317.2. Access will be secure but convenient. If ceiling tiles are used, provide the ceiling tile layout such that access to the ceiling space requiring a maintenance and inspection cube in the corridor below will not reduce the clear corridor to less than half the required width, or require a temporary negative pressure room.

5.2.1.11 Provide knock-out panels to allow for the installation, servicing and future replacement of any specialized equipment and emergency generators.

5.2.1.11(1) Knock-out panels will:

5.2.1.11(1)(a) provide adequate clear width based on equipment requirements;

5.2.1.11(1)(b) accommodate the opening with minimal impact on the Facility building envelope by designing systems such as cladding, air vapour barriers and flashings to easily accept removal and reinstatement;

5.2.1.11(1)(c) be designed structurally with all components and reinforcement to accommodate the opening without requiring structural retrofit of the surrounding structure; and

5.2.1.11(1)(d) if within concrete, be delineated by a linear indentation by using a V-shaped chamfer strip on either side of the panel.

5.3 Expandability

5.3.1 The Design-Builder will:

5.3.1.1 Provide a loose-fit Design to optimize functionality within a given floor area, and multi-use adaptable space. Provide floor zoning that allows for expansion of programs or services by, for example, locating administrative and other non-clinical ‘soft’ functions adjacent to clinical areas that are likely to need to expand.

5.3.1.2 Provide an infrastructure that incorporates excess systems capacity and includes systems and components that support Future Flexibility with minimized disruption and allows for upgrades in Authority technology or technological progression.

5.3.1.3 Not Used

5.4 Post-Disaster Requirements

5.4.1 Design the Facility so that:

5.4.1.1 The need to protect the life safety of all Facility occupants and the need for continuing services following an earthquake or other disaster are considered and provided;

5.4.1.2 The Facility’s structure, structural components, non-structural components, anchorages, and equipment are designed and constructed to post-disaster Standards in accordance with the BCBC;

5.4.1.3 Essential services including the electrical system, HVAC, steam, domestic water, fuel supply, sanitary drainage, storm systems, and medical gases will be designed and constructed to post-disaster Standards as defined in the BCBC. Locate these services in Utility enclosures that meet post-disaster Standards as defined in the BCBC;

5.4.1.4 Exteriors connections to the Facility are provided to allow delivery of potable water, generator fuel, boiler fuel, sewage removal by pumper truck, and delivery of oxygen by tanker truck;

5.4.1.5 The oxygen, potable water, and sewage pump out service connections may be accessed at the same time without impeding access to the Facility by emergency vehicles or each other; and

5.4.1.6 Exterior connections are provided to support the Mobile Medical Unit (MMU); refer to Section 5.12 for further requirements.

5.4.2 The Design-Builder will design and construct the Facility so that it includes space that is capable of being used as an emergency operations centre ("Emergency Operations Centre", or "EOC") during an emergency. Room E2.1 Multipurpose Room/EOC described in Appendix 1A [Clinical Specifications and Functional Space Requirements] will be designed and constructed as the EOC.

5.4.3 The Emergency Operations Centre will serve the CMH Campus and be designed and constructed as a Type I space under CSA Z317.2 and in accordance with CSA Z8000 requirements.

5.4.4 Catastrophic Event Management

5.4.4.1 Provide Outbreak Control Zones as described in Section 5.7.1.2;

5.4.4.2 Provide a Covered Ambulance Drive-Through which meets the requirements as described in Section 5.8.

5.5 Commissioning (LEED + Z8001 Framework)

5.5.1 Design-Builder is responsible for delivering a fully commissioned Facility to the Authority.

5.5.2 Commissioning will be carried out in accordance with CAN/CSA Z8001 and CAN/CSA Z317 series Standards. In addition, integrated systems testing of fire protection and life safety systems will be carried out and documented in accordance with CAN/ULC S1001. In the event that these Standards do not meet the requirements for the relevant LEED prerequisite and credit, the most stringent applicable standard will be followed in order to satisfy all requirements.

5.5.3 Design-Builder will procure a Design-Builder Commissioning Authority (CxA).

5.5.4 The CxA will not be involved with the Design and Construction of the Facility. The CxA will report directly to both the Authority and the Design-Builder, and a conflict of interest declaration will be prepared by the CxA for Authority and the Design-Builder review and approval for LEED compliance.

5.5.5 The CxA will be involved from the early pre-design stages of the Project through two years after Substantial Completion.

5.5.6 The CxA will lead all the Commissioning related activities of the Project, and is required to complete the following tasks for all the Building Systems outlined below:

5.5.6.1 Review of the Owner's Project Requirements (OPR);

5.5.6.2 Review of the Design-Builder's Basis of Design (BOD);

5.5.6.3 Develop and cover the implementation of a Commissioning Plan, which includes the following items;

5.5.6.3(1) General Project information;

5.5.6.3(2) Goals and objectives;

5.5.6.3(3) Building Systems overview;

5.5.6.3(4) Team roles and responsibilities;

5.5.6.3(5) Methods of communications and coordination;

5.5.6.3(6) Systems to be commissioned;

5.5.6.3(7) Commissioning processes and activities;

5.5.6.3(8) A list of the health-care-specific elements that will be included in the Commissioning process schedule;

5.5.6.3(9) Commissioning schedule;

5.5.6.3(10) Frequency of Commissioning meetings;

5.5.6.3(11) Documentation of static verification;

5.5.6.3(11)(a) Verify and/or perform static verification before start-up activities and functional performance testing; and

5.5.6.3(11)(b) Verify and document that all system elements are in accordance with the design requirements and correctly installed as per the manufacturers installation and operations manual, connected, and labelled.

5.5.6.3(12) Start-up;

5.5.6.3(12)(a) Witness and document all start-up activities and assemble reports for inclusion in the Commissioning report.

5.5.6.3(13) Functional performance test procedures and checklists (including integrated system testing, post-occupancy, seasonal, and deferred testing);

5.5.6.3(14) Monitoring-based Commissioning requirements;

5.5.6.3(15) Authority training needs;

5.5.6.3(16) Documentation;

5.5.6.3(17) Report of defects and deficiencies;

5.5.6.3(18) Commissioning issue resolution process;

5.5.6.3(19) A reference to the relevant Standards applying to health care facility infrastructure and systems (e.g., CSA Z8000, Z32, Z3217.1, Z317.2, Z7396.1, and the Z317 series of engineering and physical plant Standards);

5.5.6.3(20) The timing for Commissioning activities and approvals for the potable water system, based on the requirements of CAN/CSA-Z317.13 for flushing, testing, and (where necessary) treating of water systems during and after Construction;

5.5.6.3(21) The timing for Commissioning activities and approvals for the HVAC system, from the start of Design, through the phases of Construction and the sequential stages of occupancy by building Staff, outpatients, and inpatients, to final acceptance of the Facility;

5.5.6.3(22) An outline of post-occupancy Commissioning activities for HVAC system performance evaluation and optimization under various load conditions; and

5.5.6.3(23) Commissioning process tracking tool.

5.5.6.4 Commissioning-focused Design review 3 weeks (15 business days) after the 50% Design and Construction documents stage;

5.5.6.5 Review of Commissioning Specifications;

5.5.6.6 Design review back-check 3 weeks (15 business days) after the 90% Design and Construction documents stage to verify that previous comments were incorporated;

5.5.6.7 Commissioning-focused review of shop drawings;

5.5.6.8 Review of equipment static checks and pre-functional checks;

5.5.6.9 Review of equipment operational checks and start-up checks. This includes reviewing mock-ups of key spaces to identify areas of conflict, refer to Section 2.6;

5.5.6.10 Review of functional performance testing, and witnessing of integrated systems testing in accordance with CAN/ULC S1001 Standard for Integrated Systems Testing of Fire Protection and Life Safety Systems for relevant systems and CSA-Z8001 as applicable

5.5.6.11 Review of O&M manuals;

5.5.6.12 Coordinate O&M training and demonstrations to the Authority;

5.5.6.13 Complete Commissioning report and required LEED Commissioning documentation;

5.5.6.14 Complete systems manual and required LEED Commissioning documentation;

5.5.6.15 Seasonal or deferred functional performance testing; and

5.5.6.16 Pre-warranty expiration review.

5.5.7 Systems to be commissioned include, at a minimum:

5.5.7.1 Heating, ventilating, air conditioning and refrigeration and associated controls;

5.5.7.2 Lighting and day lighting controls;

5.5.7.3 Domestic water systems;

5.5.7.4 On-site renewable energy systems; and

5.5.7.5 Building envelope.

5.5.8 In addition to the above, the Authority requires that the following are included in the CxA scope:

5.5.8.1 Architectural Systems – wall assemblies, floor and ceiling assemblies, interior space assemblies, acoustic barriers, hardware;

5.5.8.2 Building Envelope

5.5.8.2(1) Airtightness Testing – The Facility in its entirety will be tested in accordance with ASTM Designation E779-19 Standard Test Method for Determining Air Leakage Rate by Fan Pressurization, and reported, and will be designed and constructed with the intention of meeting an air-leakage target of 2.0 L/s*m2 @ 75 Pa (0.40 cfm/ft2 @ 0.3” w.c.) or sealed according to Good Industry Practice as required by the BCBC.

5.5.8.2(2) The complete building envelope system is required to be included in the Commissioning Plan. Full compliance with LEED Energy and Atmosphere Credit Enhanced Commissioning Option 2 Envelope Commissioning is required.

5.5.8.3 Vertical transportation systems (including integration with emergency power and code blue);

5.5.8.4 High voltage electrical distribution (Utility and emergency power);

5.5.8.5 Fire alarm and detection systems;

5.5.8.6 Plumbing systems – external water distribution, non-potable and process water, water purification systems, drainage systems, storm water connections;

5.5.8.7 Fire protection systems;

5.5.8.8 Other Facility mechanical systems as applicable – natural gas, propane, fuel transfer systems, kitchen NFPA 96 exhaust.

5.5.8.9 Emergency generators, (including fuel systems) paralleling and control switchgear, and HVATS;

5.5.8.10 UPS systems;

5.5.8.11 Electronic safety and security – access control, intrusion detection, IP video surveillance system;

5.5.8.12 Telecommunication – structural cabling, wireless systems, nurse call, call assist, paging systems, health care, intercom systems, life safety communication systems, telephony and IM/IT systems;

5.5.8.13 Automated integration systems, controls;

5.5.8.14 M & V energy metering systems;

5.5.8.15 Authority-supplied equipment and clinical Commissioning - ensure clinical equipment start-up is included in Commissioning schedule and user training is provided. In addition, clinical equipment will be stress tested as part of the integrated test plan prepared by CxA. As per CSA-Z8001, integration testing will be done under actual conditions, and not simulated conditions. The intent is to go through various scenarios, under normal and emergency power, to ensure that the integrated systems work as required. This includes developing real-life scenarios, so the clinical team can run through various steps to validate clinical function of the room. Test plan to include input from the Authority.

5.5.8.16 CxA to review FF&E shop drawings from the perspective of building infrastructure - i.e. confirm that temperatures, pressures, voltages, and other requirements of FF&E are able to be met by the Building Systems.

5.5.8.17 Pre-requisite for integrated systems testing of FF&E equipment includes acceptance test reports and have been accepted by the Authority and the Design-Builder.

5.5.8.17(1) Overall acceptance testing of FF&E that is supplied by the Design-Builder and the Authority, but it is a pre-requisite that Commissioning of Building Systems serving FF&E is complete prior to acceptance testing. Refer to listed FF&E in Appendix 1J [Equipment List].

5.5.8.17(2) Overall acceptance testing of FF&E that is supplied by the Authority is by the Authority, but it is a pre-requisite that Commissioning of Building Systems serving FF&E is complete prior to acceptance testing. Refer to listed FF&E in Appendix 1J [Equipment List].

5.5.8.17(3) FF&E Commissioning will be included as a Commissioning schedule line item. Authority's Representatives will provide input regarding the building infrastructure necessary for Cx of FF&E equipment, and this will be included in overall Cx schedule.

5.5.8.17(4) End-to-end integrated testing will be performed as part of the Commissioning of FF&E equipment.

5.5.8.18 In addition to the information in the preceding and following sections, refer to Appendix 1K [Commissioning Roles and Requirements]. The list of Building Systems included in these sections and Appendix 1K [Commissioning Roles and Requirements] are taken from CSA Z8001 and is not intended to be exhaustive. Design-Builder. will ensure that all CSA Z8001 systems applicable to the Project are included in the Commissioning process, even if not listed in these sections or in Appendix 1K [Commissioning Roles and Requirements].

5.5.8.19 Commissioning Management

5.5.8.19(1) The CxA will lead and organize the Commissioning team.

5.5.8.19(2) The Subcontractors related to Commissioning activities will designate Commissioning representatives who will attend the Commissioning meetings and follow up with Commissioning-related items.

5.5.8.19(3) The CxA will chair and keep minutes of Commissioning meetings and issues log tracking.

5.5.8.19(4) Minimum frequency of Commissioning meetings leading up to Substantial Completion is:

5.5.8.19(4)(a) 12 months - bi-weekly (2 times per month)

5.5.8.19(4)(b) 6 months - weekly meetings.

5.5.8.19(5) Frequency of Cx meetings will be identified in initial Commissioning Plan for review by the Authority.

5.5.9 Commissioning Schedule

5.5.9.1 The Design-Builder will ensure that the CxA develops a Cx schedule as part of the Commissioning Plan, with input from the Authority and the Design-Builder.

5.5.9.2 Cx schedule will be drafted at the end of Design phase and updated throughout Construction.

5.5.9.3 The team will provide key milestone dates, including the following: connection to Utilities, permanent power availability, building enclosure complete (or by zone), building clean date (or by zone), IT infrastructure completion date, and other.

5.5.9.4 The IT infrastructure of the Facility, as related to mechanical and controls equipment, will be online prior to the start-up of mechanical and controls equipment. The Design-Builder and their trades are responsible for delivering the IT infrastructure earlier than traditional projects, as Commissioning of Building Systems is reliant on network connections.

5.5.9.5 Related to the above, the Design-Builder will ensure that Telecommunications Rooms are ready for IT installations. This includes sealed floors, spaces dust free, provision of ventilation and/or temporary cooling, and other applicable requirements.

5.5.9.6 The Design-Builder and their trades will provide equipment start-up and Commissioning durations to the CxA for inclusion in the Cx schedule.

5.5.9.7 After development of the initial Cx schedule, the CxA team will hold a meeting with all applicable Design-Builder team members and Authority representatives to review the key steps and milestones and identify opportunities to optimize the Commissioning schedule.

5.5.9.8 All Design-Builder and Authority-supplied equipment FF&E will be included in the Cx schedule. The party responsible for providing the given FF&E will provide input into the Cx schedule for timelines and durations. Additionally, the party responsible for providing the given FF&E will provide input of what building infrastructure is needed for each key piece of FF&E, as this will inform the Cx schedule.

5.5.9.9 FF&E acceptance testing dates and durations will be included in the overall Cx schedule. Dates/durations will be provided by the Design-Builder and the Authority, based on who is supplying the given FF&E.

5.5.10 "Smart Commissioning" Approach

5.5.10.1 The CxA will participate in this "Smart Commissioning" approach as follows:

5.5.10.1(1) Conduct a detailed review of control sequences, metering systems, and their integration with the BMS. This will include at a minimum the CxA, Design-Builder's mechanical designer, electrical designer, controls contractor, mechanical contractor and electrical contractor. One review session prior to shop drawing development, and one meeting after shop drawings have been reviewed;

5.5.10.1(2) Bench testing of controls: all BMS control sequences will be tested virtually, witnessed by the CxA prior to implementation on Site. This will include simulating sensor performance to observe control system response to ensure logic is per the sequence of operations;

5.5.10.1(3) Confirm that all required metering and monitoring points are accessible, trended and stored as required for the LEED Monitoring Based Commissioning credit and utilize this data for the quarterly analysis associated with the credit

5.5.11 Acoustic Performance Testing

5.5.11.1 Post-Construction sound isolation performance verification tests will be carried out on a minimum of two separate examples of each unique wall assembly having a required STC rating of 45 or more (Refer to Appendix 1D [Acoustic and Noise Control Measures]), including tests of all operable partitions.

5.5.11.1(1) Compliance testing will be performed by the Design-Builder's Acoustic and Vibration Consultant.

5.5.11.1(2) A test plan that includes the number and location of all tests must be provided to the Authority for approval before testing begins.

5.5.11.1(3) Tests will be performed at the first opportunity that rooms are enclosed and before Construction is complete so that corrective measures can be applied to spaces that are not yet complete.

5.5.11.1(4) If both tests do not achieve the required ASTC rating, then another two (2) walls will be tested to establish the extent of the problem. Corrective measures will be taken as required and all failing walls retested. The Design-Builder will provide all necessary remedial Work and retesting. Further failure to meet the minimum performance requirements will require both re-testing and further testing to demonstrate compliance.

5.5.11.1(5) Compliance test reports must be provided to the Authority for review and approval within 2 weeks of each set of tests.

5.5.11.1(6) ASTC tests will be done wherever the test standard can be applied.

5.5.11.1(7) NIC tests will be done only when ASTC standard test requirements cannot be met.

5.5.11.1(8) The measured ASTC or NIC performance must be within five (5) points of the STC ratings provided in Appendix 1D [Acoustic and Noise Control Measures].

5.5.11.1(9) Where internal partitions include doors and/or windows, the STCC of the partition must be calculated based on the assigned STC ratings for each component as specified in Appendix 1D [Acoustic and Noise Control Measures] and the area of each component. Compliance test reports for composite partitions must include calculations of the STCC for the partition along with the measured ASTC or NIC value. The measured ASTC or NIC value must be within 5 points of the calculated STCC value to be deemed compliant.

5.5.11.2 Post-Construction performance verification tests will be carried out of HVAC noise levels (Noise Criteria (NC) in 10% of all occupied spaces as listed in Appendix 1D [Acoustic and Noise Control Measures]:

5.5.11.2(1) Compliance testing will be performed by the Design-Builder's Acoustic and Vibration Consultant;

5.5.11.2(2) A test plan that includes the number and location of all tests must be provided to the Authority for approval before testing begins;

5.5.11.2(3) Testing is to occur after completion of air and water balancing;

5.5.11.2(4) The testing will be focused, but not exclusively, on those spaces located closest to the mechanical spaces serving the various portions of the Facility;

5.5.11.2(5) Where the NC requirements of in Appendix 1D [Acoustic and Noise Control Measures] are not met, measures will be taken by the Design-Builder to reduce HVAC noise levels to below the levels shown in Appendix 1D [Acoustic and Noise Control Measures];

5.5.11.2(6) Rooms that did not meet the NC requirements will be re-tested after noise reduction has been applied, plus an additional 5% of rooms will be tested. Further failure to meet the minimum performance requirements will require both re-testing and further testing to demonstrate compliance; and

5.5.11.2(7) If noise issues arise within 24 months following Substantial Completion, potentially due to varying equipment operations during varying heating and cooling loads, the Design-Builder will

investigate and correct any deficiencies and provide demonstration of compliance after corrections are installed.

5.5.11.3 Post-Construction performance verification tests will be taken of the reverberation times to demonstrate compliance with Appendix 1D [Acoustic and Noise Control Measures]:

5.5.11.3(1) Compliance testing will be performed by the Design-Builder's Acoustic and Vibration Consultant;

5.5.11.3(2) The testing will include all Meeting Rooms and Multipurpose Rooms with a seating capacity requirement of greater than 10 people, the EOC plus a minimum of 10% of spaces where maximum RT60 requirements have been specified in Appendix 1D [Acoustic and Noise Control Measures] with an appropriate cross-section of space types;

5.5.11.3(3) Testing is to be performed after room finishes are installed;

5.5.11.3(4) A test plan that includes the number and location of all tests must be provided to the Authority for approval before testing begins;

5.5.11.3(5) Where the measured reverberation times do not meet the requirements in Appendix 1D [Acoustic and Noise Control Measures], corrective measures will be taken to achieve the targets and similar corrective measures will then be applied to all other spaces of the same type; and

5.5.11.3(6) Rooms that did not meet the RT60 requirements will be re-tested after corrective measures have been taken and an additional 5% of rooms of that type will be tested. Further failure to meet the minimum performance requirements will require both re-testing and further testing to demonstrate compliance.

5.5.11.4 Post-Construction performance verification tests will be carried out of environmental noise levels in exterior spaces associated with the Facility, and at the property lines of the Facility to demonstrate compliance with exterior noise limits listed in Appendix 3C [Acoustic and Noise Control] for both normal operations and operations with emergency power generation:

5.5.11.4(1) Compliance testing will be performed by the Design-Builder's Acoustic and Vibration Consultant;

5.5.11.4(2) A test plan that includes the number and location of all tests must be provided to the Authority for approval before testing begins;

5.5.11.4(3) Testing is to occur after completion of air and water balancing with all systems operating as expected under normal conditions and during emergency generator operations;

5.5.11.4(4) The testing will be focused, but not exclusively, on those spaces located closest to the noise sources and their associated intakes/exhausts or other related noise source paths;

5.5.11.4(5) Where the exterior noise limits in Appendix 1D [Acoustic and Noise Control Measures] are not met, measures will be taken by Design-Builder to reduce noise levels to below those limits in Appendix 1D [Acoustic and Noise Control Measures];

5.5.11.4(6) Outdoor spaces that did not meet the noise limit requirements will be re-tested after noise reduction has been applied. Further failure to meet the minimum performance requirements will require further noise control and re-testing to demonstrate compliance; and

5.5.11.4(7) If noise issues arise within 24 months following Substantial Completion, potentially due to varying equipment operations during varying heating and cooling loads, the Design-Builder will investigate and correct any deficiencies and provide demonstration of compliance after corrections are installed.

5.5.12 Mechanical

5.5.12.1 General

5.5.12.1(1) Fire Protection, Plumbing and HVAC Systems will be commissioned in accordance with CAN/CSA Z8001 and applicable CAN/CSA Z317 series.

5.5.12.1(2) Commissioning (Cx) is a planned program of tests, procedures and checks carried out systematically on systems and integrated systems of the finished Project. Cx is performed after systems and integrated systems are completely installed, functional and the Design-Builder's performance verification responsibilities have been completed and approved.

5.5.12.2 Objectives

5.5.12.2(1) Verify installed equipment, systems and integrated systems operate in accordance with the contract documents and the design criteria and intent.

5.5.12.2(2) Ensure appropriate documentation is compiled into the O&M manual and Commissioning report.

5.5.12.2(3) Effectively train Facility management Staff.

5.5.12.3 Design-Builder Subcontractors will assist in Cx process, operating equipment and systems, troubleshooting and adjusting as required.

5.5.12.3(1) Systems will be operated at full capacity under various modes to determine they function correctly and consistently at peak efficiency. Systems will be operated interactively with each other as intended in accordance with the Agreement and criteria for the Design.

5.5.12.3(2) During these checks, adjustments will be made to enhance performance to meet environmental or user requirements.

5.5.12.4 Commissioning phases will include:

5.5.12.4(1) Pre-design;

5.5.12.4(2) Design;

5.5.12.4(3) Construction;

5.5.12.4(4) Facility Start-up;

5.5.12.4(5) Verification;

5.5.12.4(6) Performance testing;

5.5.12.4(7) Acceptance and interim acceptance; and

5.5.12.4(8) Post-occupancy acceptance.

5.5.12.5 Fire Protection Systems

5.5.12.5(1) Fire protection systems, along with fire safety measures, provide protection to occupants in the Facility. Commissioning Plan will specify which tests are required to be carried out and the timing, sequence, and approval process for the tests.

5.5.12.5(2) Commissioning process will address the verification and performance testing of the fire protections systems that detect, alarm against, and control the spread of fire and smoke.

5.5.12.5(3) The Commissioning requirements in CAN/CAS Z8001 will supplement, not replace, the requirements of the Authorities Having Jurisdiction and applicable codes.

5.5.12.5(4) All fire protection system elements will be commissioned. These include the following:

5.5.12.5(4)(a) Fire suppression services, including automatic sprinkler systems; standpipes; portable extinguishers; and special extinguishing media systems;

5.5.12.5(4)(b) Smoke management systems;

5.5.12.5(4)(c) Fire and smoke detection systems, alarm systems, and other annunciators;

5.5.12.5(4)(d) Voice communication and public address systems;

5.5.12.5(4)(e) Fire and smoke separators, including closures and other hardware;

5.5.12.5(4)(f) Egress and evacuation systems;

5.5.12.5(4)(g) Emergency power systems; and

5.5.12.5(4)(h) Fire safety and emergency plans.

5.5.12.6 Plumbing

5.5.12.6(1) Plumbing systems will be commissioned. These include the following:

5.5.12.6(1)(a) Domestic water systems – hot water, hot water recirculation and cold water;

5.5.12.6(1)(b) Non-potable water system(s);

5.5.12.6(1)(c) Drainage systems – sanitary, storm and drainage vents; and

5.5.12.6(1)(d) Gas systems – natural gas, propane and secondary fuel (diesel) systems.

5.5.12.6(1)(e) Please see Section 7.3 Plumbing (Division 22) for additional specific performance and demonstration requirements.

5.5.12.7 HVAC

5.5.12.7(1) HVAC systems include all air, water, gas systems and associated support systems designed to provide heating, cooling and ventilation within the Facility.

5.5.12.7(2) Commissioning will include start-up, verifications, performance testing, post-occupancy evaluation, and documentation of the installation and performance of all HVAC systems. Commissioning

will begin with individual pieces of equipment before moving to complete system and will progress from manual operation to fully automatic operation under building automation control.

5.5.12.7(3) During development of the Commissioning Plan and preparation of the check sheets, consideration will be given to the performance criteria specified in Table 1 of CAN/CSA Z317.2.

5.5.12.7(4) Please see Section 7.4 and Section 7.6 for additional specific performance and demonstration requirements.

5.5.13 Electrical

5.5.13.1 Electrical Commissioning will be carried out on complete and fully integrated systems in compliance with CAN/CSA Z8001, CSA Z32, and other applicable codes and Standards.

5.5.13.2 Commissioning will include system verification for: operation, workmanship, conformance of equipment and materials to specifications, record documentation, maintenance manuals and operation instructions, and the documentation in the reporting of testing and adjustment, and Commissioning.

5.5.13.3 Electrical systems to be commissioned and demonstrated will include the following:

5.5.13.3(1) HV, LV Switchgear;

5.5.13.3(2) MDPs;

5.5.13.3(3) CDPs;

5.5.13.3(4) Automatic and manual transfer switches;

5.5.13.3(5) Emergency generators and paralleling system;

5.5.13.3(6) Generator load bank operation;

5.5.13.3(7) Main and distribution transformers;

5.5.13.3(8) Branch circuit panelboards;

5.5.13.3(9) Not Used

5.5.13.3(10) Feeder cables;

5.5.13.3(11) Building ground electrode;

5.5.13.3(12) Telecommunications bonding system;

5.5.13.3(13) Patient reference ground;

5.5.13.3(14) Receptacles;

5.5.13.3(15) Motor starters, including VFDs;

5.5.13.3(16) Lighting control systems including daylight harvesting, circadian rhythm and dim to warm;

5.5.13.3(17) Emergency unit equipment;

5.5.13.3(18) Branch circuit wiring;

5.5.13.3(19) Electrical systems identification;

5.5.13.3(20) Lightning protection;

5.5.13.3(21) UPS systems;

5.5.13.3(22) Automatic power factor correction and harmonic correction systems;

5.5.13.3(23) Phase balance and polarity;

5.5.13.3(24) Power quality and monitoring including power factor correction and harmonic mitigation;

5.5.13.3(25) Operation of circuit breakers, interlocking schemes, ground fault monitoring, line isolation monitoring, etc.; and

5.5.13.3(26) CSA Z32 testing.

5.5.13.4 Emergency Generator and Automatic Transfer Switches

5.5.13.4(1) The CxA will prepare the emergency generators and automatic transfer switches checklists and submit to the Authority for approval. Checklists will be completed by the CxA during the Design phase, and during the installation and start-up phase.

5.5.14 Life Safety Systems

5.5.14.1 Fire Alarm System

5.5.14.1(1) Commissioning of fire alarm system will include verification, testing and demonstration of the system in accordance with applicable portions of CAN/ULC-S537, CAN/ULC-S1001, CAN/ULC-S524, CSA C282, BCBC and other recognized installation and test codes.

5.5.14.1(2) Provide schedule and sequence of tests and demonstration on the system. Provide Commissioning procedures to the Authority prior to applying for occupancy permit.

5.5.14.1(3) Commissioning of the fire alarm system will include the integration of other systems such as elevators, nurse call, access control, smoke control and smoke venting, fire suppression, emergency generators, door hardware, emergency lighting, central monitoring station, and provision of record documentation. Commissioning will include interfacing to the public address system. Commissioning will also include verification of interconnection with the Existing Hospital fire alarm system.

5.5.15 Communications, IM/IT and Safety and Electronic Security

5.5.15.1 In consultation with the Authority, incorporate Division 27 (Communications and IM/IT) as well as Division 28 (Electronic Safety and Security) into the Commissioning Plan. Refer to Appendix 1K [Commissioning Roles and Requirements] for a summary of the systems included in the Commissioning process. Please note that the list of systems included in Appendix 1K [Commissioning Roles and Requirements] is derived from CSA Z8001 and is not intended to be exhaustive. The Design-Builder will ensure that all CSA Z8001 systems applicable to the Project are included in the Commissioning process, even if not listed in Appendix 1K [Commissioning Roles and Requirements]. Although it has been listed as one of the systems included in communications systems, as a reminder, the Authority highlights that nurse call is included as part of the Commissioning process.

5.5.15.2 The Design-Builder will cause the CxA to review the communications, IM/IT, and electronic security equipment's compatibility with the infrastructure in the building (power, data, thermal requirements, etc.).

5.5.15.3 The Design-Builder will cause the CxA to include communications, IM/IT and electronic security equipment Commissioning in the overall Commissioning schedule.

5.5.15.4 The Commissioning schedule will reflect the requirement to provide clean, secure, and environmentally controlled Telecommunications Rooms (including MCC, BCC, DAS head end room and TRs) ten (10) months prior to Substantial Completion to facilitate the installation of IM/IT network equipment by the Design-Builder.

5.5.15.5 The Design-Builder will cause the CxA to include communications, IM/IT and electronic security equipment in the overall integrated systems test plan. The Design-Builder will cause the CxA to include all intersystem connections and interoperability in the Commissioning Plan.

5.5.16 Elevators

5.5.16.1 Detailed check sheets will be prepared by the Design-Builder to verify all aspects of basic elevator operation meet specified requirements, including directional lanterns, position indicators, dispatching, hall buttons, disabled persons

audible/visual indications, ride quality/performance, user training, elevator management system, Firefighters Emergency Operation, Standby Power Operation, and Medical Emergency Operation.

5.5.16.2 All of the above functions will be tested and verified by the Elevator Subcontractor using the check sheets, prior to use by the public.

5.5.16.3 All check sheets will be submitted to the CxA for review and inclusion in the Commissioning report.

5.5.16.4 Testing and Inspection

5.5.16.4(1) The Design-Builder will arrange for the applicable safety authority to inspect life safety and code compliance.

5.5.16.4(2) In addition to the inspection by the applicable Authority Having Jurisdiction for life safety and code compliance, an inspection for material, workmanship and elevator performance will be carried out by the Design-Builder

5.5.16.4(3) The Authority will conduct Site visit to verify that the elevator installation complies with this Schedule and the Agreement.

5.5.16.4(4) Pre-Test Elevators (FEO/Standby Power/Medical Emergency Operation)

5.5.16.4(5) A minimum of one (1) Site visit for pre-testing of the fire alarm, standby power generator, and medical emergency operation signals, as well as elevator operation under these conditions, with the Electrical Subcontractor.

5.5.16.4(6) Testing and inspection will include activation of various fire alarm initiating devices (heat and smoke detectors) to trigger recall of the elevator(s).

5.5.16.4(7) Testing and inspection will include activation of the transfer switch signal, as well as pre-transfer signal if applicable, to trigger standby power operation of the elevator(s).

5.5.16.4(8) Testing and inspection will occur after the elevator work on each elevator is completed and will be scheduled by the Elevator Subcontractor.

5.5.16.4(9) The Design-Builder and the Authority will attend all testing, verification and Commissioning.

5.5.16.5 Final Test Elevators (FEO/Standby Power/Medical Emergency Operation)

5.5.16.5(1) A minimum of two (2) Site visits for final testing of the fire alarm, standby power generator, and medical emergency operation signals, as well as elevator operation under these conditions: a minimum of one (1) visit with the Electrical Subcontractor and the relevant elevator safety authority, and a minimum of one (1) visit with the Electrical Subcontractor and the Authority Having Jurisdiction.

5.5.16.5(2) This will include for activation of various fire alarm initiating devices (heat and smoke detectors) to trigger recall of the elevator(s).

5.5.16.5(3) This will include for activation of the transfer switch signal, as well as pre-transfer signal if applicable, to trigger standby power operation of the elevator(s).

5.5.16.5(4) This will occur after the elevator work on each elevator is completed and will be scheduled by the Elevator Subcontractor.

5.5.16.5(5) The Elevator Subcontractor will also visit Site for integrated systems testing with the Commissioning team, which will include operation of elevator under different clinical and failure testing scenarios.

5.5.16.6 The Design-Builder will cause the CxA to include the above elevator testing items in the Commissioning schedule, will witness testing, and will include testing documentation in the Commissioning report.

5.6 Architecture

5.6.1 Facility Form and Character

5.6.1.1 The architectural Design of the Facility will incorporate the following requirements:

5.6.1.1(1) The Emergency Department entrance will include elements that reflect the history of the CMH Campus and community.

5.6.1.1(2) The Design will promote simplicity to create a Facility that can be easily understood by all its users both in its form and layout.

5.6.1.1(3) Maximize glazing in exit stairs for views to the exterior, safety and orientation to the CMH Campus.

5.6.1.1(4) The Design of the Facility exterior will be articulated to create an architecturally interesting and refined structure.

5.6.1.1(5) Emphasize the modular, recurrent elements of Appendix 1A [Clinical Specifications and Functional Space Requirements] in the

massing and materials to achieve articulation, visual interest, and human scale;

5.6.1.1(6) Locate highly acute spaces to be hidden from the public areas including all public entrances, lobbies, waiting areas and outpatient areas;

5.6.1.1(7) The Facility will be designed and orientated to maximize daylighting and views. Daylighting and views will assist with Wayfinding and promote a therapeutic environment of well-being;

5.6.1.1(8) The Facility will respond appropriately to the environmental forces of sun, wind, and precipitation; and

5.6.1.1(9) The Facility will be integrated with the exterior environment to create cohesive indoor/outdoor connectivity.

5.6.1.2 Design will prevent views from the exterior into privacy sensitive spaces where care or treatment is being administered to Patients, Staff offices or similar spaces. Provision of translucent film or similar are not an acceptable means of preventing views in.

5.6.1.3 Rooftop Penthouse and Architectural Screens

5.6.1.3(1) Rooftop mechanical equipment will be housed in an enclosed penthouse.

5.6.1.3(2) Miscellaneous roof top mounted mechanical, electrical and communications equipment will be concealed from view through architectural screens. Screens will be of an appropriate height such that they hide mechanical, electrical and communications equipment from view by neighboring properties, the Existing Hospital and Facility occupants. Screens will be clad with architectural materials consistent with those used in the Facility.

5.6.1.4 Exterior Facility Materials and Colour

5.6.1.4(1) The Design will incorporate materials to create a distinct character for the function of the Facility. Accordingly, the material palette will:

5.6.1.4(1)(a) Avoid a clinical and repetitive aesthetic;

5.6.1.4(1)(b) Promote variation and articulation of the exterior through varied use of materials;

5.6.1.4(1)(c) Avoid extensive unbroken exterior wall areas or surfaces;

5.6.1.4(1)(d) Animate the exterior with playful elements using materials and colours to add visual interest to the Patients, visitors and Staff;

5.6.1.4(1)(e) Create changes and transitions to express the Facility hierarchy, prime circulation connections and to articulate stairs and elevators; and

5.6.1.4(1)(f) Emphasize the glazed and visually transparent major entrances with surrounding solid elements.

5.6.1.4(2) Materials will be durable, with a permanent finish and be high quality; refer to Section 3.5.9.

5.6.1.4(3) Exterior materials may include the following:

5.6.1.4(3)(a) Wood;

5.6.1.4(3)(b) Stone;

5.6.1.4(3)(c) Brick masonry;

5.6.1.4(3)(d) Stone masonry;

5.6.1.4(3)(e) Composite metal panels;

5.6.1.4(3)(f) Architectural concrete;

5.6.1.4(3)(g) Concrete (cementitious) veneer solid panels;

5.6.1.4(3)(h) Aluminium windows and spandrel panels; and

5.6.1.4(3)(i) Aluminium curtain wall.

5.6.1.4(4) Limited amounts, meaning less than 5% of the overall building envelope, of smooth or corrugated metal panels is an acceptable design approach, except that:

5.6.1.4(4)(a) The use of corrugated metal panels exceeding 5% of the overall building envelope is permitted to the extent that the use of such panels is limited to the building envelope of the floors housing the mechanical penthouse, elevator, elevator overrun and machine room.

5.6.1.4(5) Exterior wall cladding materials will be applied through the use of concealed fasteners only, except that corrugated metal panels may be applied using exposed colour-matched fasteners. Metal wall

panels will not have visible waviness in flat areas referred to as oil canning;

5.6.1.4(6) Composite metal panels will be Alucobond with non-combustible mineral core or Authority-approved alternate and will meet CAN/ULC-S134-13 (R2018) Standard Method of Fire Test of Exterior Wall Assemblies.

5.6.1.4(7) Unacceptable materials include stucco, vinyl siding, large expanses of non-Architectural Concrete, mirrored glass, insulated metal panels and neon lighting.

5.6.1.4(8) Facade transparency and views into non-clinical building activities will be provided, especially at grade levels and public waiting areas.

5.6.1.5 Access to Daylight and Views

5.6.1.5(1) Direct Natural Light

5.6.1.5(1)(a) A space has Direct Natural Light where the following conditions are satisfied:

(a).1 The space will have an exterior window;

(a).2 A light radius will be measured horizontally from the centreline of the exterior window;

(a).3 For spaces having rectangular geometry, the centre of the space will fall within an 8-metre light radius, or a 10-metre light radius if the area is over 70 square metres; and

(a).4 For spaces having non-rectangular geometry, half or more of the total area of the space will fall within an 8-metre light radius, or a 10-metre light radius if the area is over 70 square metres.

5.6.1.5(2) Borrowed Light from Exterior Windows

5.6.1.5(2)(a) A space has Borrowed Light from exterior windows where the following conditions are satisfied:

(a).1 The space will have at least one window facing in the direction of an exterior window;

(a).2 A light radius will be measured horizontally from the centreline of an exterior window, extending through an interior window within the same room which has the exterior window, and connecting to an interior window within the space receiving the Borrowed Light;

(a).3 For spaces having rectangular geometry, the centre of the space will fall within an 8-metre light radius, or within a 10-metre light radius if the area is over 70 square metres;

(a).4 For spaces having non-rectangular geometry, half or more of the total area of the space will fall within an 8-metre light radius, or a 10-metre light radius if the area is over 70 square metres; and

(a).5 Window(s) in doors, or fully glazed doors, where allowable, may be considered a window for the purposes of Borrowed Light from exterior windows; and

(a).6 For the purposes of determining Direct Natural Light or Borrowed Light, exterior windows facing into courtyards are acceptable, provided that no courtyard dimension is less than 7.5 m.

5.6.1.5(3) Borrowed Light from Skylights and Clerestory Windows

5.6.1.5(3)(a) A space has Borrowed Light from skylights and clerestory windows where the following conditions are satisfied;

(a).1 There will be a skylight in the space no smaller than 1.5 m², or a clerestory window having its sill higher than 1.5 m AFF, or a window(s) in the space facing in the direction of a clerestory window or skylight;

(a).2 A light limit will be measured horizontally from the perimeter of the skylight or clerestory window;

(a).3 For spaces having rectangular geometry, the centre of the space will fall within a 6-metre light limit;

(a).4 For spaces having non-rectangular geometry, half or more of the total area of the space will fall within a 6-metre light limit; and

(a).5 Window(s) in doors, or fully glazed doors, where allowable, may be considered a window for the purposes of Borrowed Light from skylights and clerestory windows.

5.6.1.5(4) The Design-Builder will apply the following principles in the Design of the Facility to address access to daylight and views:

5.6.1.5(4)(a) Arrange circulation routes and occupied spaces to maximize opportunities for windows;

5.6.1.5(4)(b) Carefully select window size and placement consistent with the space use or function;

5.6.1.5(4)(c) Include windows of the largest possible size consistent with Project sustainability and space use objectives;

5.6.1.5(4)(d) Provide skylights, with glare protection, where windows are not possible or suitable;

5.6.1.5(4)(e) Provide door sidelights and glazing in doors to increase daylight within spaces; and

5.6.1.5(4)(f) Provide tubular daylighting devices to increase daylight within spaces.

5.6.1.5(5) Provide the following minimum requirements for access to daylight and views:

5.6.1.5(5)(a) Natural lighting strategies and access to views in the form of windows or skylights along all principal horizontal circulation routes, including corridors accessing Clinical Spaces and care team stations;

5.6.1.5(5)(b) Windows at the ends of long corridors;

5.6.1.5(5)(c) Glazed doors at entrances to exterior accessible roof areas;

5.6.1.5(5)(d) Exterior windows in all Patient Rooms, including Patient Room-Private-SRMC and Patient Room-Private-SRMC-Bariatric-AIR, as follows:

(d).1 to provide Direct Natural Light; and

(d).2 to provide an unobstructed view which is not filled with impediments, hindered or stopped within a 9-metre horizontal view line, 90 degrees to the glazing.

5.6.1.5(5)(e) Exterior windows in all Medical/Surgical Inpatient Unit and Maternity Services Unit Patient Rooms as follows:

(e).1 the maximum sill height will be 900 mm;

(e).2 window head will extend to the underside of the ceiling;

(e).3 width of the windows will be minimum:

(e).3.1 1800 mm for Medical/Surgical Inpatient Unit;

(e).3.2 Maternity Services Unit:

(e).3.2.1 1800 mm for Patient Room-Private-SRMC and Patient

Room-Private-SRMC-Bariatric-AIR;

(e).3.2.2 1800 mm for Patient Room-Private-Women's Health; and

(e).3.2.3 2100 mm for Patient Room-Private-Nursery.

(e).4 width of window for corner rooms will be equal or greater than the immediately adjacent inpatient room;

(e).5 have roller shades systems recessed into the ceiling;

(e).6 all Patient Room-Private-Nursery will be provided with blackout blinds.

5.6.1.6 Refer to the table below for room types requiring Direct Natural Light and Borrowed Natural Light:

Area	**Natural Light**	
	Direct	**Borrowed**
A. Emergency Department		
Waiting Area-General	Required	
Office-Security	Required	
Secure Room	Required	
Lounge-Staff-Large	Required	
B. General Medical/Surgical Inpatient Unit		
Waiting Room-Large	Required	
Patient Room-Private	Required	
Patient Room-Shared	Required	
Patient Room-Private-Bariatric	Required	
Patient Room-Private-Bariatric-AIR	Required	
Meeting Room-Large	Required	
Rehabilitation Room- Satellite		Required
Multipurpose Room-Family		Required
Lounge-Staff	Required	
C. Maternity Services Unit		
Waiting Room	Required	
Patient Room-Private-SRMC	Required	
Patient Room-Private-SRMC-Bariatric-AIR	Required	
Patient Room-Private-Women's Health	Required	
Patient Room-Private-Nursery	Required	
Lounge-Staff	Required	
Meeting Room	Required	
D. Pharmacy		
Order Entry		Required
Dispensing/Storage Area		Required
Lounge-Staff/Meeting Room	Required	

5.6.1.6(1) Provide glare control and minimize heat gain with the provision of exterior sunshades or other solar control measures at windows as required;

5.6.1.6(2) As an alternative to solid walls, consider interior privacy screens made of either high-performance resin or glazing to define waiting areas;

5.6.1.7 Outdoor Spaces

5.6.1.7(1) The landscape will complement and enhance the existing surrounding landscape form, tree species, open space, and adjacent street character.

5.6.1.7(2) Formal planting will define movement corridors such as streets, driveways and pedestrian walkways.

5.6.1.7(3) Low under-planting will be used to create accents in the landscape and a hierarchy of space by drawing attention to focal points and important Facility entrances.

5.6.1.7(4) Provide an exterior stair and pathway from the Comer Street parking lot leading to the Facility sidewalk network for pedestrians.

5.6.2 Facility Entrances, Stairs and Circulation Systems

5.6.2.1 Facility Entrances

5.6.2.1(1) Public entrances will create positive and calming first impressions for Patients and families.

5.6.2.1(2) Pedestrian interest and comfort at entries will be provided through specifically designed seating, signage, lighting and features that signal the Facility's use.

5.6.2.1(3) All access and egress points from the Facility exterior, including Patient, visitor and drop-off areas, will be protected from snow and rain by canopies or building overhangs.

5.6.2.1(4) Weather protection will be provided where Facility entrances front a sidewalk or open space such as vehicle drop-off or lay-by areas; refer to Section 4.6.1.10.

5.6.2.1(5) Unless otherwise approved by the Authority at infrequently used service entrances, weather protection at all exterior doors will have

a minimum depth of 1500 mm and it will extend on both sides of the door opening a minimum of 600 mm.

5.6.2.1(6) Ensure that areas protected from weather still receive daylight using appropriate measures such as increased height-to-depth proportions and the use of glass roof panels.

5.6.2.1(7) Provide visible places to sit with fixed furniture designed for exterior use, protected from the prevailing winds near both the interior and exterior of entrances.

5.6.2.1(8) Entrance vestibules will provide complete transparency from the exterior, from the interior immediately in front of the vestibule, and from occupied spaces adjacent to at least one long side of the vestibule.

5.6.2.1(9) Entrance vestibules will be configured and sized such that only one set of doors will open at one time in order to preserve the airlock effect for climate control and protected from the prevailing winds. Ensure adequate distance between the sets of doors to allow stretchers and wheelchairs and attendants to fit lengthwise into the vestibule. No rotating doors are permitted.

5.6.2.1(10) Entrance vestibules will be provided with foot grilles which are recessed and flush with the floor surface and equipped with floor drains to reduce the quantity of soil and water being brought into the Facility by pedestrians.

5.6.2.1(11) Entrance vestibules will have permanent recessed entrance mats in compliance with LEED requirements.

5.6.2.1(12) Provide automatic doors at all public entrances and exits to the Facility and to departments.

5.6.2.1(13) Provide permanent recessed entrance mats as follows:

5.6.2.1(13)(a) Measuring minimum 3000 mm in length in the primary direction of travel at regularly used exterior entrances of the Facility and 1220 mm permanent recessed entrance mats at other specified entrances.

5.6.2.1(13)(b) Acceptable entryway systems include permanently installed grates, grills and slotted systems that allow cleaning underneath the system, complete with drains connected to the Facility storm water removal system.

5.6.2.2 Exit Stairs

5.6.2.2(1) Locate exit stairs strategically for the convenience of Staff to promote the use of stairs over elevators.

5.6.2.2(2) Avoid stair locations that negatively impact planning flexibility or constrain desirable views from Clinical Spaces and Staff work areas.

5.6.2.2(3) Provide windows for daylight and views from exterior walls of stairwells for orientation, amenity and safety by deterring undesirable and criminal activity or behaviour. Provide adequate lighting into stairwells for security at night but do not permit direct views into neighbours' back windows and yards.

5.6.2.3 Convenience Stairs

5.6.2.3(1) Provide a convenience stair for use by Staff, visitors and Patients located with Convenient Access to all waiting areas and amenity spaces such as the Retail spaces. Connects all floors of the Facility that will be accessed by the public including; Pharmacy, Emergency Department, Medical/Surgical Inpatient Unit and the Maternity Services Unit.

5.6.2.3(2) The convenience stair will be located strategically to reduce elevator use by Staff, visitors and Patients.

5.6.2.3(3) The convenience stair will have finishes similar to the floor levels it serves and, in all cases, will have a finished floor and treads and steel handrails and guardrails.

5.6.2.3(4) The convenience stair will include exterior windows which are sized and orientated to maximize daylighting and views.

5.6.2.4 Safety of Stairs and Areas Open to below

5.6.2.4(1) Where horizontal gaps at the switchback between flights of stairs in a stairwell exceeds 400 mm, provide steel or glass guardrails extending full height from the landing or stairs to the underside of the one above to prevent public, Patients or Staff from using them for self-harm.

5.6.2.4(2) Stairwells will not allow for individuals to hide in the landing areas and solid walls will not be used to divide flights of stairs;

5.6.2.4(3) Where floor areas are open to the floor area below, provide full height floor to ceiling glazing to prevent public, Patients or Staff from self-harm.

5.6.2.4(4) Provide guards in stairwells as required by BCBC at window openings.

5.6.2.4(5) Provide parapets of 1070 mm at all roofs except those above stairwells, elevators and elevator overruns, and where a lower parapet height is deemed acceptable as reviewed by the Authority.

5.6.2.5 Corridors

5.6.2.5(1) Corridor widths will be as follows:

5.6.2.5(1)(a) Corridors will be a minimum dimension of 2400 mm clear for stretcher/bed/pallet movement within the Facility unless noted otherwise or as agreed by the Authority;

5.6.2.5(1)(b) Corridors at elevators serving Patient and support services will have a minimum clear area of 3100 mm deep by 3400 mm long in front of each elevator to accommodate movement of beds, stretchers, Staff, carts and supply truck trains, unless otherwise agreed by the Authority; and

5.6.2.5(1)(c) Corridors servicing only offices, or similar areas where beds, stretchers, carts and supply truck trains are not required, will be minimum 1800 mm wide.

5.6.2.5(2) Design corridor ceiling space to accommodate all mechanical and electrical services without compromising the required minimum Ceiling Heights specified herein; or limiting maintenance access into the ceiling space.

5.6.2.5(3) Design corridors to be flat and level. Transitions between the Existing Hospital and the Facility will provide an even transition where they connect internally.

5.6.2.5(4) Design corridors to have chamfered corners, where possible to allow ease of movement for stretchers, beds and accompanying medical Staff and equipment. Minimum length of the chamfered wall will be a minimum 1.5 m.

5.6.3 Acoustics and Noise Control

5.6.3.1 The Design-Builder will design and construct the Facility in consultation with an Acoustic and Vibration Consultant.

5.6.3.2 Design and construct the Facility to comply, at a minimum, with the requirements described in Appendix 1D [Acoustic and Noise Control Measures].

5.6.3.3 Provide acoustic and noise control measures necessary to create a healing environment for Patients, a safe and comfortable environment for Staff and confidentiality where it is required.

5.6.3.4 Acoustic and noise control measures will include the following as a minimum:

5.6.3.4(1) attenuation of sound within public, Patient and Staff environments;

5.6.3.4(2) sound isolation between the exterior and interior spaces;

5.6.3.4(3) sound isolation between interior spaces within the Facility at both horizontal and vertical separations;

5.6.3.4(4) sound and vibration control of Facility service noises and sound isolation of Facility service rooms;

5.6.3.4(5) sound isolation and acoustic controls as required for specialty rooms such as conference rooms and multimedia rooms;

5.6.3.4(6) sound absorption to enhance comfort and communication; and

5.6.3.4(7) sound attenuation (noise control) for equipment within rooms.

5.6.3.5 Where penetrations are necessary to meet the requirements of this Schedule:

5.6.3.5(1) Back-to-back penetrations (e.g., electrical boxes, Telecommunications Outlets, medical gas outlets, shower/bath valve assembly, etc.) in acoustic rated walls (STC 45 or higher) will be in separate stud cavities or spaced a minimum of 400 mm apart within a common stud cavity filled with batt insulation; if these conditions are not met, then all of the boxes on at least one side of the wall within the common stud cavity will be wrapped with acoustic rated putty patches or boxed and sealed with the equivalent GWB layers as the partition they penetrate.

5.6.3.5(2) Piping passing through any acoustic rated partition, including for shower heads, water closets, faucets etc., will not contact the wall and the gap will be sealed with an acoustic rated caulk.

5.6.3.5(3) Recessed cabinets and bathtubs will be boxed and sealed with the equivalent GWB layers as the partition they penetrate and the remaining gap in the stud wall will be filled with batt insulation

5.6.3.6 Minimize constructions such as ducts, rigid conduits, or corridors that act as tubes to transmit sound from one area to another. At common supply and return ducts, provide sound attenuation liners at the diffuser and/or grill to maintain the acoustical requirements described in Appendix 1D [Acoustic and Noise Control Measures]. Seal around conduits where they penetrate walls.

5.6.3.7 Isolate structure-borne vibrations and sound with resilient mountings (appropriate vibration isolators) on vibrating equipment to minimize sound transfer to structural materials. Provide ducts, pipes, and conduits with resilient, non-rigid boots or flexible couplings where they connect to vibrating equipment and isolate them from the structure with resilient gaskets and sealant where they pass through walls, floors, or other Facility surfaces.

5.6.3.8 Use acoustic barriers, vibration isolators, and carefully selected exterior equipment to prevent exterior noise from exceeding noise bylaws and to limit re-entrant noise to the Facility and future buildings on the CMH Campus.

5.6.3.9 Provide acoustic barriers and careful Design around Facility exterior activities that include loading bay vehicle activity and idling, to prevent noise that neighbours may find offensive.

5.6.3.10 Refer to Appendix 1D [Acoustic and Noise Control Measures], Table 1 for minimum wall STC ratings. The Design-Builder will design to meet all STC requirements of Table 1 – Minimum STC Ratings of Demising Walls and Floor/Ceiling Assemblies as well as the ASTC or NIC compliance tests required in Appendix 1D [Acoustic and Noise Control Measures]. As not all possible adjacency combinations are listed in Table 1, the Design-Builder will propose STC ratings for any such new adjacency combinations for review by the Authority, based on similar adjacency combinations, room type, functionality, intent, and purpose of the room.

5.6.3.11 Acoustic Treatment

5.6.3.11(1) Sounds absorptive materials (acoustic surfaces) will be employed to control the reverberation and transmission of sound within and beyond the room or space in which it is created:

5.6.3.11(1)(a) All normally occupied spaces will incorporate acoustic surfaces to achieve a Design reverberation time equal to or less than those indicated in Appendix 1D [Acoustic and Noise Control Measures].

5.6.3.12 Partitions

5.6.3.12(1) Design and construct the Facility to comply with the minimum sound transmission ratings between spaces described in Appendix 1D [Acoustic and Noise Control Measures].

5.6.3.12(2) All penetrations through partitions will be sealed with non-setting acoustical sealant. This includes all mechanical, electrical, and plumbing.

5.6.3.12(3) All walls will be insulated.

5.6.3.13 Ceilings

5.6.3.13(1) Provide suspended acoustic ceiling tile with a minimum NRC rating of 0.70 and minimum CAC rating of 35, except where approved alternate treatment is provided, in Nursery areas (see Appendix 1D, Section 7), or where prohibited by cleanroom requirements. Refer to Section 5.6.9.6 for mechanical, electrical service rooms and Telecommunications Rooms requirements.

5.6.3.14 Doors

5.6.3.14(1) Provide doors which meet the requirements listed in Appendix 1D [Acoustic and Noise Control Measures] including the minimum STC ratings in Table 3 and door assignments in Table 5.

5.6.3.15 Glazing

5.6.3.15(1) For acoustic requirements for interior glazing refer to Appendix 1D [Acoustic and Noise Control Measures].

5.6.3.16 Mechanical systems and equipment:

5.6.3.16(1) Mechanical systems will be designed such that background sound levels within the Facility do not exceed levels specified in Table 6 of Appendix 1D [Acoustic and Noise Control Measures].

5.6.3.16(2) Additionally, the Design-Builder will meet the following requirements:

5.6.3.16(2)(a) Ducts, rigid conduits, or other paths that may acoustically connect two spaces will be avoided. Where required, they will be sealed appropriately so as to maintain the sound isolation requirements between spaces.

5.6.3.16(2)(b) Where supply and/or return ducts are common to (i.e. serve) adjacent rooms, provide appropriate sound attenuation duct lining at the diffuser and/or grill to maintain the STC of the wall assemblies involved. Seal around any duct or conduit penetrations.

5.6.3.16(3) To avoid the flanking transmission of sound, return air openings/grills serving adjacent rooms will be spaced as far apart as possible, and specifically will not be located close on either side of a demising wall.

5.6.3.16(4) Insulation jackets (acoustic duct lining) will be utilized as appropriate at supply air diffusers to reduce sound entering space from the plenum.

5.6.3.16(5) Supply air diffusers will be selected so that turbulent airflow noise levels generated by the diffusers will be less than 10 points below the NC range specified for that room type in Appendix 1D [Acoustic and Noise Control Measures].

5.6.3.16(6) Provide vibrating equipment with appropriate resilient mountings to sufficiently suppress structure-borne sound and vibration transfer to adjacent or nearby noise and/or vibration sensitive spaces.

5.6.3.16(7) Provide ducts, pipes, and conduits with resilient, non-rigid boots or flexible couplings where they leave vibrating equipment; and isolate them from supporting structures with resilient hangers/gaskets and apply acoustical sealant where they pass through walls, floors, or other surfaces of the Facility.

5.6.3.16(8) Noise producing equipment will not be located within corridors or in rooms or alcoves that open onto the corridor.

5.6.3.16(9) When testing sound levels from HVAC equipment the units will be fully operational. Refer to Appendix 1D [Acoustic and Noise Control Measures] for room Noise Criteria (NC) ratings.

5.6.3.16(10) Exterior noise from mechanical and electrical equipment, whether operating continuously, quasi continuously or intermittently but regularly, will not, individually or collectively, cause noise levels to exceed the requirements of Appendix 1D [Acoustic and Noise Control Measures] or City Noise Bylaw 6520.

5.6.3.17 Sound Masking

5.6.3.17(1) Where sound isolation will be compromised due to construction limitations caused by conflicts in partition requirements and/or particularly low background sound levels and/or in open work areas, the option for a sound masking system to enhance privacy will be presented to the Authority for consideration. The Design-Builder will have its Acoustic and Vibration Consultant provide documentation highlighting the need and intended areas for use.

5.6.3.18 Acoustic Performance Testing

5.6.3.18(1) Sound Isolation Testing

5.6.3.18(1)(a) Post-Construction performance verification tests will be carried out at the earliest opportunity on two separate

examples of each unique wall assembly having a required STC rating of 45 or more. Refer to Appendix 1D [Acoustic and Noise Control Measures]. These tests will be performed at the first opportunity that rooms are enclosed and before Construction is complete so that corrective measures can be applied to spaces that are not yet complete.

5.6.3.18(1)(b) Compliance testing will be performed by the Design-Builder.

5.6.3.18(1)(c) A test plan that includes the number and location of all tests must be provided to the Authority for approval before testing begins.

5.6.3.18(1)(d) Testing will be done at a minimum of two (2) of each of the room/partition types occurring within the Facility, all operable partitions and additional spaces, as required by the Authority.

5.6.3.18(1)(e) ASTC tests will be done wherever the test standard can be applied.

5.6.3.18(1)(f) NIC tests will be done only when ASTC standard test requirements cannot be met.

5.6.3.18(1)(g) Where internal partitions include doors and/or windows, the STC_C of the partition must be calculated based on the assigned STC ratings for each component as specified in Appendix 1D [Acoustic and Noise Control] and the area of each component. Compliance test reports for composite partitions must include calculations of the STC_C for the partition along with the measured ASTC or NIC value. The measured ASTC or NIC value must be within 5 points of the calculated STC_C value will be deemed compliant.

5.6.3.18(1)(h) The measured ASTC or NIC performance must be within five (5) points of the STC ratings provided in Appendix 1D [Acoustic and Noise Control].

5.6.3.18(1)(i) Failure to meet the minimum performance requirements will require repairs/corrective measures to be taken, as required, and all failing walls retested. Additionally, further testing of a minimum of 2 additional partitions must be done to demonstrate compliance. It is the

Design-Builder's responsibility to repair, correct, re-test, and provide additional testing.

5.6.3.18(1)(j) Compliance test reports must be provided to the Authority for review and approval.

5.6.3.18(2) Post-Construction performance verification tests will be carried out of HVAC noise levels (Noise Criteria (NC) in 10% of all occupied spaces as listed in Appendix 1D [Acoustic and Noise Control Measures]:

5.6.3.18(2)(a) A test plan that includes the number and location of all tests must be provided to the Authority for approval before testing begins;

5.6.3.18(2)(b) The testing will be focused, but not exclusively, on those spaces located closest to the mechanical spaces serving the various portions of the Facility;

5.6.3.18(2)(c) Where the NC requirements of in Appendix 1D [Acoustic and Noise Control Measures] are not met, measures will be taken to reduce the HVAC noise levels to below the levels shown in Appendix 1D [Acoustic and Noise Control Measures]; and

5.6.3.18(2)(d) Rooms that did not meet the NC requirements will be re-tested after noise reduction has been applied, plus an additional 5% of rooms will be tested.

5.6.3.18(3) Post-Construction performance verification tests will be taken of the reverberation times to demonstrate compliance with Appendix 1D [Acoustic and Noise Control Measures]:

5.6.3.18(3)(a) The testing will include all conference rooms and meeting rooms with a seating capacity requirement greater than 10 chairs, plus a minimum of 10% of spaces where maximum RT60 requirements have been specified in Appendix 1D [Acoustic and Noise Control Measures] with an appropriate cross-section of space types;

5.6.3.18(3)(b) A test plan that includes the number and location of all tests must be provided to the Authority for approval before testing begins;

5.6.3.18(3)(c) Where the measured reverberation times do not meet the requirements in Appendix 1D [Acoustic and Noise Control Measures], corrective measures will be taken to

achieve the targets and similar corrective measures will then be applied to all other spaces of the same type; and

5.6.3.18(3)(d) Rooms that did not meet the RT60 requirements will be re-tested after corrective measures have been taken and an additional 5% of rooms of that type will be tested.

5.6.4 Building Envelope

5.6.4.1 Design and construct a building envelope, as follows:

5.6.4.1(1) To prevent the accumulation and stagnation of rain, snow, ice and dirt on the horizontal and vertical surfaces of the building envelope(s) required for the climate the Facility is situated in;

5.6.4.1(2) To ensure that water, snow and ice sheds safely from exterior surfaces and is not trapped in the assembly where it may cause deterioration or staining, or present a danger to the safety of any person;

5.6.4.1(3) Meet all the requirements of BCBC, City of Williams Lake bylaws and ASHRAE 90.1;

5.6.4.1(4) Meets the acoustic requirements as provided in Appendix 1D [Acoustic and Noise Control Measures]

5.6.4.1(5) Except for exposed Architectural Concrete walls, in accordance with pressure equalized rain-screen wall design principles with an exterior insulated wall assembly and demonstrate that the proposed details fulfill the rainscreen principles; and

5.6.4.1(6) With a predicted service life that exceeds 50 years as defined in CSA S478-95:

5.6.4.1(6)(a) For components and assemblies whose categories of failure are 6, 7, or 8 in Table 3 in CSA S478-95, use a design service life equal to the Design service for the Facility;

5.6.4.1(6)(b) For components and assemblies whose categories of failure are 4 or 5 in Table 3 in CSA S478-95, use a design service life equal to at least half of the Design service life of the Facility; and

5.6.4.1(6)(c) Where component and assembly design service lives are shorter than the Design service life of the Facility, design and construct so they can be readily replaced.

5.6.4.2 Design of the Facility, including the structure and structural components, will minimize effects of corrosion and deterioration due to environmental impacts and use, by use of measures such as:

5.6.4.2(1) Concrete crack control joints and expansion/contraction joints;

5.6.4.2(2) High strength concrete mixes proportioned to durability requirements for exposure and use;

5.6.4.2(3) Reinforcing of concrete for crack control;

5.6.4.2(4) Hot-dip galvanize all exterior exposed steel; and

5.6.4.2(5) Embedded steel protection angles and skid plates for service areas.

5.6.4.3 Ensure continuation of the air barrier, vapour barrier, thermal barrier and moisture barrier across the entire envelope including foundations, walls and roofs.

5.6.4.4 Accommodate the high humidity service conditions inside the Facility.

5.6.4.5 Below grade assembly will resist the ingress of water. Where the exterior wall of an occupied floor is below grade, the wall will be provided with waterproofing.

5.6.4.6 Utilizing the 1% design temperatures prescribed by the BC Building Code, ensure the design of the building envelope is coordinated with the HVAC systems design and CSA Z317.2 in order to minimize the risk of condensation on interior surfaces of the Facility. Building envelope assemblies are to be designed as described in the BC Building Code control diffusion of vapour into building envelope assemblies where condensation would cause deleterious effects.

5.6.4.7 Accommodate differential movement due to temperature variations, and structural movement.

5.6.4.8 Avoid thermal bridging.

5.6.4.9 Back-up walls for outer cladding will consist of concrete masonry units, poured in place reinforced concrete or structural metal framing backup system. Design for deflection of interior finishes will conform to code in all conditions.

5.6.4.10 Construction materials that are not adequately secured or are breakable can become weapons. The Design and Construction of the Facility will use only durable materials, secured such that they cannot be easily dislodged by the public.

5.6.4.11 Building Envelope Consultant

5.6.4.11(1) The Design-Builder will retain a Building Envelope Consultant through Design and Construction process and provide for review during Construction.

5.6.4.11(2) Provide a Building Envelope Report, signed by the Building Envelope Consultant.

5.6.4.11(3) The Design-Builder will confirm the as-built Construction conforms to the recommendations in the Building Envelope Report.

5.6.4.11(4) Submit building envelope test results, witnessed by the Building Envelope Consultant, to the Authority verifying that the building envelope meets all requirements.

5.6.4.12 Mock-ups

5.6.4.12(1) Approximately two weeks prior to scheduled commencement of cladding installation and associated work, convene pre-installation meeting and mock-up of the building envelope at the Site or at an off-premise as may be required by and at no expense to the Authority.

5.6.4.12(2) Mock-up review will be attended by:

5.6.4.12(2)(a) Authority;

5.6.4.12(2)(b) The Design-Builder and its:

(b).1 Cladding installer,
(b).2 Representative of the cladding manufacturer,
(b).3 Window manufacturer,
(b).4 Window installer,
(b).5 Architect,
(b).6 Building Envelope Consultant, and
(b).7 Other representatives directly concerned with the performance of the Work.

5.6.4.12(3) Record discussions of the mock-up review and decisions and agreements or disagreements reached and furnish copy of record to each party attending.

5.6.4.12(4) Submit to the Authority all building envelope test results, witnessed by the Building Envelope Consultant, as set out in Section 6.7.1.2(1).

5.6.4.12(5) Physical mock-ups will include the following at a minimum:

5.6.4.12(5)(a) Wall assemblies for claddings included in the approved Design, including roof and parapet conditions;

5.6.4.12(5)(b) Intermediate exterior vertical and horizontal joints for dissimilar cladding or material interface;

5.6.4.12(5)(c) Interior and exterior Architectural Concrete walls; and

5.6.4.12(5)(d) Inside and outside exterior corner conditions.

5.6.4.13 Rain Screen Wall

5.6.4.13(1) All exterior walls will meet the following Rain Screen Wall requirements:

5.6.4.13(1)(a) Drain all accumulated water to the exterior of the Facility and to provide a means for drying of any accumulated moisture within the cladding assembly;

5.6.4.13(1)(b) Install all materials to shed precipitation;

5.6.4.13(1)(c) Prevent moisture penetration through the exterior of the wall assembly;

5.6.4.13(1)(d) Provide a continuous air space of minimum 25 mm clear width; and

5.6.4.13(1)(e) Flashings, drips or overhangs, will be sufficient to deflect accumulated water away from the Facility face, at all:

(e).1 Changes in plane;
(e).2 Intersections of walls and roofs;
(e).3 Changes in cladding material; and
(e).4 Window and door heads or sills.

5.6.4.13(1)(f) Provide vents at top and bottom of the walls that allow any moisture to drain out and allow fresh air to pass through. Provide screens to keep insects out.

5.6.4.14 Testing Requirements

5.6.4.14(1) The Facility will be tested, and the air leakage rate of the building envelope will not exceed 0.40 cfm/ft2 at a pressure differential of 0.3 inches water gauge (2.0 L/s.m2 at 75 Pa) at the upper 96 percent confidence interval in accordance with ASTM E 779 or an equivalent method approved by the City.

5.6.4.14(2) A report that includes the tested surface area, floor area, air by volume, stories above grade, and leakage rates will be submitted to the Authority and City. The following modifications will be made to ASTM E 779:

5.6.4.14(2)(a) Tests will be accomplished using either (1) both pressurization and depressurization or (2) pressurization alone, but not depressurization alone. If both pressurization and depressurization are not tested, the air leakage will be plotted against the corrected P for pressurization in accordance with Section 9.4 of ASTME E 779;

5.6.4.14(2)(b) The test pressure range will be from 25 Pa to 80 Pa per Section 8.10 of ASTM E 779, but the upper limit will not be less than 50 Pa and the difference between the upper and lower limit will not be less than 25Pa; and

5.6.4.14(2)(c) If the pressure exponent n is less than 0.45 or greater than 0.85 per Section 9.6.4 of ASTM E779, the test will be rerun with additional readings over a longer time interval.

5.6.4.14(2)(d) If the tested rate exceeds the rate assumed as part of the Energy Modeling and associated Energy Target, a visual inspection of the air barrier will be conducted, and any leaks noted will be sealed. An additional report identifying the corrective actions taken to seal air leaks will be submitted to the Authorities Having Jurisdiction and any further requirement to meet the leakage air rate will be waived, aside from the impact on the Energy Target.

5.6.4.15 Roofs

5.6.4.15(1) Provide a complete horizontal barrier to the exterior using SBS modified bitumen roofing system (multi-ply) for all roofs in accordance with the following Standards:

5.6.4.15(1)(a) All roofing systems will conform to Roofing Practices Manual by the Roofing Contractors Association of British Columbia (RCABC);

5.6.4.15(1)(b) Provide RCABC written warranty issued in the name of the Authority, signed jointly by the applicator and manufacturer, stating that the modified bituminous sheet roofing will provide a leak-free waterproofing surface for a minimum of ten (10) years. Warranty will cover both material and workmanship (including labour to remove / replace overburden) where repairs will be made, and roofing recovered at no cost to the Authority. Membrane manufacturer to provide ten (10) year

manufacturers "leak-free" performance warranty, non-pro-rated.

5.6.4.15(2) Roof areas will be designed to be attractive and will avoid use of large areas of undifferentiated gravel.

5.6.4.15(3) All roofs are to have easy access for maintenance Staff. Ensure Design incorporates all safety requirements required by the BCBC, the Authority's Fall Protection Program and Fall Protection Design Requirements, and WorkSafe BC.

5.6.4.15(4) Provide stair access to all major roof areas larger than 100 NSM with the exception of the roof of the Covered Ambulance Drive-Through. Ladder access will be provided to all small roof areas and other roofs exempted from stair access. Ladder access to roof areas will support the use of straps or hooks to secure the ladder to the roof edge. Rappelling down from upper roofs to access lower roofs is not acceptable. Use of roof hatch accesses will be minimized.

5.6.4.15(5) Any hatches providing access to the roofs will have hardware that is lockable. Doors providing access to the roofs will be secured by means of card readers integrate with the access control system.

5.6.4.15(6) Provide high parapets or guardrails to minimize the need for fall arrest anchors for operational Staff. Locate at main roofs and other roof areas needing regular access for maintenance. Minimum parapet height to comply with applicable codes.

5.6.4.15(7) Provide fall arrest systems in accordance with WorkSafe BC Occupational Health and Safety Regulations and Authority standards.

5.6.4.16 Green Roofs

5.6.4.16(1) The Design-Builder will provide intensive or extensive green roof if required to meet LEED Gold Certification.

5.6.4.16(2) The location of intensive or extensive green roofs will be as determined with the Authority.

5.6.4.16(3) For additional green roof requirements refer to Section 8.2.9 of this Schedule.

5.6.5 Interior Walls and Partitions

5.6.5.1 General Requirements

5.6.5.1(1) Use interior walls and partition systems that provide acoustic separations as required for the specific functions to be carried out in the spaces affected, and in accordance with the requirements of Appendix 1D [Acoustic and Noise Control Measures].

5.6.5.1(2) Seismic resistance capabilities will conform to the requirements of CSA S832-06 Guidelines for Seismic Risk Reduction of Operational and Functional Components of Buildings.

5.6.5.1(3) All interior walls and partitions will extend full height from floor to underside of the structure above.

5.6.5.1(4) Ensure proper sealing of all walls above and below the ceiling to maintain relative pressurization requirements of the HVAC system requirements in accordance with CAN/CSA-Z317.2.

5.6.5.1(5) Design and select interior walls and partitions, partition systems and interior finishes to comply with the following criteria:

5.6.5.1(5)(a) withstand repeated cleaning and maintenance and support infection prevention and control as relevant for the particular or specific function;

5.6.5.1(5)(b) wall finishes will be smooth, water-resistant and cleanable using hospital grade disinfectant that includes a high concentration of bleach. In the vicinity of plumbing fixtures, provide a wet wall panel system;

5.6.5.1(5)(c) the following finishes for wall and ceiling surfaces as set out in Appendix 1C [Minimum Room Requirements] will consist of the corresponding paint systems indicated below:

(c).1 'washable': high-performance architectural latex system conforming to MPI INT 9.2B - G3 for Gloss Level 3 (“Eggshell-Like”), with the exception of the following rooms, which require a water-borne epoxy paint system conforming to MPI INT 9.2F EPOXY-MODIED LATEX (over latex primer/sealer):

(c).1.1 Decontamination Room; and

(c).1.2 Resuscitation Room.

(c).2 'paint': latex system conforming to MPI INT 9.2M - Institutional Low Odour/VOC (over waterborne primer sealer, low VOC primer) - G3 for Gloss Level 3 (“Eggshell-Like”);

5.6.5.1(5)(d) some micro-perforated materials may be acceptable for use in infection control sensitive areas and may also provide useful sound absorption to control noise; consult with the Design-Builder's Infection Control Practitioner retained in accordance Section 2.8.5.1(5)(d);

5.6.5.1(5)(e) limit the passage of particles from both above the ceiling plane and adjacent non-Clinical Spaces into the clinical environment;

5.6.5.1(5)(f) ensure proper sealing of all walls, partitions and partition systems above and below the ceiling plane;

5.6.5.1(5)(g) resist damage due to normal wear and resist damage due to collision in high traffic areas; permanence and durability, including impact resistance;

5.6.5.1(5)(h) be non-toxic/ non-allergenic;

5.6.5.1(5)(i) have low VOC emissions so as to minimize adverse impact on indoor air quality and indoor environmental quality;

5.6.5.1(5)(j) have flexibility to permit adaptability of interior spaces, if required, to suit future process revisions;

5.6.5.1(5)(k) Not Used;

5.6.5.1(5)(l) be of a colour that contrasts with handrails and floors;

5.6.5.1(5)(m) have a smooth and non-abrasive finish behind handrails attached to walls;

5.6.5.1(5)(n) Recesses and gaps created by tiles, metal framing, wall, partition and furring will allow for ease and proper repeated cleaning; and

5.6.5.1(5)(o) the completion of Unusable Area will not be a cost to the Authority.

5.6.5.2 Special Requirements

5.6.5.2(1) In all Resuscitation Rooms and Airborne Isolation Rooms, wall finishes will be free of fissures, open joints, or crevices that can retain or permit passage of dirt particles.

5.6.5.2(2) Every Storage Room-Controlled Substances or similar space where narcotics are stored will be designed and constructed with

walls extending to the underside of the structure above and having continuous metal mesh mechanically installed between the exterior-facing IRGWB sheathing and the steel stud framing from 100 mm to 2.4 m (4" to 96") AFF.

5.6.5.2(3) Partition design will allow for transaction windows and stainless steel pass through windows/cabinets where required by Appendix 1A [Clinical Specifications and Functional Program].

5.6.5.2(4) Provide protection against water damage in spaces that contain equipment or services by providing required partition base Design, such as concrete curbs.

5.6.5.3 Interior Wall Framing

5.6.5.3(1) Use prefabricated non-load bearing steel studs for interior partitions and furring with no axial load other than its own weight, the weight of attached finishes, and lateral loads of interior pressure differences and seismic loads.

5.6.5.3(2) Construct steel stud framing to accommodate electrical, plumbing and other services in the partition cavity, and to support fixtures, wall cabinets, medical equipment and other such wall-mounted items. Provide reinforcement and backing.

5.6.5.3(3) Design will account for the differences in air pressure that may result on opposite sides of the wall or partition due to factors such as wind and other lateral pressures, stack effects, or mechanically-induced air pressurization.

5.6.5.3(4) Design assembly to accommodate construction tolerances, deflection of Facility structural members, and clearances of intended opening.

5.6.6 Wall Backing

5.6.6.1 At a minimum, the Design-Builder will provide wall backing as follows:

5.6.6.1(1) At all locations where wall backing is required, provide plywood backing to meet loading requirements as determined and designed by Project Co's Professional Engineer;

5.6.6.1(2) Full width of the wall to a minimum height of 1800 mm in alcoves around hand hygiene sinks;

5.6.6.1(3) Behind all headwalls and extending a minimum 600 mm beyond all sides to allow flexibility for mounting equipment around headwall;

5.6.6.1(4) As required to support Millwork, washroom accessories, wall-mounted scales and any other wall-mounted items listed in Appendix 1C [Minimum Room Requirements] and Appendix 1J [Equipment List].

5.6.6.1(5) Full width of the wall around chemical dispensing systems in housekeeping areas, plumbed emergency washing facilities, eyewashes and showers;

5.6.6.1(6) Full width and height of the wall that has the head of the Patient's bed or stretcher towards it;

5.6.6.1(7) Full width of the wall around hangers to support Patient walkers or mobility aids in Patient rooms;

5.6.6.1(8) At all coat hook and equipment hook or rack locations;

5.6.6.1(9) To support all wall-mounted PPE dispensers;

5.6.6.1(10) Full width and height of the walls in all the following rooms or areas:

5.6.6.1(10)(a) Housekeeping Closets;

5.6.6.1(10)(b) Housekeeping Rooms;

5.6.6.1(10)(c) Medication Rooms;

5.6.6.1(10)(d) Utility Room-Clean;

5.6.6.1(10)(e) Utility Room-Soiled;

5.6.6.1(10)(f) Holding Room-Soiled;

5.6.6.1(10)(g) Rehabilitation Room-Satellite;

5.6.6.1(10)(h) All equipment storage rooms;

5.6.6.1(10)(i) Storage Room-Gift Shop; and

5.6.6.1(10)(j) Food Serveries.

5.6.6.2 Provide wall backing to support wall-mounted multimedia devices, TVs and other monitors; refer to Appendix 1J [Equipment List].

5.6.6.3 Provide wall backing to support wall-mounted dumbbells, weights and other accessories.

5.6.7 Line of Sight

5.6.7.1 Line of Sight means the ability to see what is important from where a person is located.

5.6.7.2 The Design-Builder will provide Line of Sight as required for functionality as indicated in Appendix 1A [Clinical Specifications and Functional Space Requirements], including the following:

Emergency Department	
From:	To:
Office-Security	Vestibule-Walk-In Entrance
Office-Security	Interview Room-Triage
Office-Security	Workstation-Registration
Office-Security	Waiting Area-General
Vestibule-Walk-In Entrance	Workstation-Registration
Vestibule-Walk-In Entrance	Waiting Area-General
Workstation-Registration	Interview Room-Triage
Workstation-Registration	Exam Room-Triage
Workstation-Registration	Vestibule-Walk-In Entrance
Care Team Station-Large	Resuscitation Room
Care Team Station-Large	All Exam/Treatment Rooms
Care Team Station-Satellite	All Exam/Treatment Room-Streaming
Care Team Station-Satellite	All Exam/Treatment Bay-Streaming
Medical/Surgical Inpatient Unit	
From:	To:
Care Team Station-Large	Waiting Room-Large
Care Team Station-Large	All Patient Room-Private and -Shared
Care Team Station-Small	All Patient Room-Private and -Shared
Alcove-Observation	All associated Patient Rooms
Maternity Services Unit	
From:	To:
Care Team Station	Waiting Room
Care Team Station	All Patient Room-Private-Nursery
Care Team Station	All Patient Room-Private-Women's Health
Care Team Station	All Patient Room-Private-SRMC
Pharmacy	
From:	To:
Reception Desk	Waiting Room-Small
Reception Desk	Counselling Room
IV Prep Room	Sterile IV Admixture
IV Prep Room	Sterile Chemo Prep
IV Prep Room	Anteroom-Sterile IV Admixture
IV Prep Room	Anteroom-Sterile Chemo Prep
Anteroom-Sterile IV Admixture	Sterile IV Admixture
Anteroom-Sterile Chemo Prep	Sterile Chemo Prep

5.6.7.3 The Design-Builder will include the use the following design features, as determined in consultation with the Authority based on the Design, to achieve Line of Sight:

5.6.7.3(1) Low or partial height walls;

5.6.7.3(2) Furniture layout;

5.6.7.3(3) Equipment and Millwork placement;

5.6.7.3(4) Glazed walls, windows or screens; and

5.6.7.3(5) Corridors and door placement.

5.6.7.4 Location and Design of interior walls and columns will enable Line of Sight.

5.6.7.5 Location and Design of interior walls and columns will minimize disruption of exterior views and Line of Sight.

5.6.8 Surfaces

5.6.8.1 Provide surfaces with the following characteristics, consistent with their functional purpose:

5.6.8.1(1) Resistant to graffiti in public areas such as washrooms;

5.6.8.1(2) resistant to microbial spread and growth;

5.6.8.1(3) non-porous and smooth;

5.6.8.1(4) durable;

5.6.8.1(5) seamless;

5.6.8.1(6) resilient and impact resistant;

5.6.8.1(7) non-toxic/ non allergenic;

5.6.8.1(8) matte finish presenting minimal glare;

5.6.8.1(9) without bold patterns or flecked colours;

5.6.8.1(10) constructed in a way that will not soak up or harbour moisture;

5.6.8.1(11) water impermeable in areas where water or dampness can occur; and

5.6.8.1(12) cleanable with the disinfectants and cleaning products to be used in the Facility.

5.6.8.2 The Design of the Facility will prevent the opportunity for hiding of contraband. Interfaces between walls, windows, structure, finishes and a like in all areas will form straight lines with minimal joints. Provide pick-proof joint sealant at all exposed joints in the following rooms:

5.6.8.2(1) A3.3 Exam/Treatment Room-Safe;

5.6.8.2(2) A3.5 Exam/Treatment Room-Bariatric-AIR;

5.6.8.2(3) Two (2) B2.1 Patient Room-Private;

5.6.8.2(4) One (1) B2.3 Patient Room-Private-Bariatric;

5.6.8.2(5) One (1) B2.4 Patient Room-Private-Bariatric-AIR; and

5.6.8.2(6) One (1) C2.6 Patient Room-Private-Women's Health.

5.6.8.3 Pharmacy Requirements

5.6.8.3(1) The Design-Builder will provide surfaces including floors, walls, ceilings, sealants, Millwork and Modular Casework which meet UPS 797 and 800 Standards including:

5.6.8.3(1)(a) Surfaces of ceilings, walls and floors will be smooth, impervious, free from cracks and crevices and non-shedding;

5.6.8.3(1)(b) Surfaces will be resistant to damage by disinfectant agents;

5.6.8.3(1)(c) Junctures of ceilings to walls will be coved or caulked to avoid cracks or crevices where dirt can accumulate;

5.6.8.3(1)(d) Floors will be sheet vinyl with heat-welded seams and minimum 150 mm flash coving to the sidewall; and

5.6.8.3(1)(e) Finishes which comply with the ISO Cleanroom classification for which they will be installed.

5.6.9 Ceilings

5.6.9.1 Provide ceilings in spaces described in Appendix 1C [Minimum Room Requirements].

5.6.9.2 Design ceilings to accommodate ceiling-mounted equipment as set out in Appendix 1J [Equipment List] and as set out in Appendix 1A [Clinical Specifications and Functional Space Requirements].

5.6.9.3 Design ceilings to accommodate the ceiling-mounted ceiling lift and track system. Suspended tracks, rails and pipes located in the traffic path for Patients in beds and/or on stretchers will not be less than approximately 2.6 m AFF.

5.6.9.4 Where ceilings are required to be monolithic as set out in the Agreement, they will be constructed without fissures, open joints, or crevices that can retain or permit passage of dirt particles or steam and condensation. Ceiling penetrations will be properly sealed to prevent the entrance of air, insects and rodents.

5.6.9.5 Ceilings will limit the passage of particles from both above the ceiling plane and adjacent non-Clinical Spaces into the clinical environment.

5.6.9.6 Ceilings in stairs, mechanical and electrical service rooms and Telecommunications Rooms will be open, unless required otherwise by BCBC.

5.6.9.7 Design and select ceiling systems and ceiling finishes to comply with the following criteria:

5.6.9.7(1) repeated cleaning, maintenance and infection prevention and control;

5.6.9.7(2) repeated removal and re-installation to gain access above without chipping, cracking or delaminating

5.6.9.7(3) flexibility and access to the spaces above;

5.6.9.7(4) compatibility with mechanical, plumbing, electrical, communications services and fixtures;

5.6.9.7(5) low VOC emissions to minimize adverse impact on indoor air quality and indoor environmental quality; and

5.6.9.7(6) aesthetic and design qualities to provide a healing environment for the Patients, Staff and public.

5.6.9.8 Service access panels for overhead booms will be clipped and sealed to maintain the seal after replacement to prevent the transmission of Contaminants into or out of the occupied space.

5.6.9.9 Lay-in ceilings utilized in the following areas will be resistant to the humidity, steam and moisture to be encountered and will have a proven use for food preparation and ISO clean room areas. Provide ceilings constructed of durable, water-resistant, washable, scratch-resistant and soil resistant, non-porous, non-shedding materials, on non-corrosive aluminum exposed grid system with stainless steel

clips with recessed, enclosed pipes and fixtures to create a flush surface, facilitating frequent cleaning. Ceiling access will be provided for maintenance of pipes and fixtures. These ceilings will have a 30-year system warranty against visible sag, mould and mildew.

5.6.9.9(1) Food Serveries; and

5.6.9.9(2) Pharmacy

5.6.9.10 All piping, duct work, and structure will be covered by a finished ceiling in location where dust fallout may occur. All overhead piping and ductwork in food handling areas will be concealed behind a solid finished ceiling. Exposed services are not permitted in public lobbies, waiting areas and Patient accessible areas.

5.6.9.11 Provide fittings, attachments and internal bracing/backing as required to accommodate and support ceiling-mounted clinical and non-clinical fixtures and equipment, including equipment in meeting rooms, conference rooms and other similar rooms.

5.6.9.12 All Patient rooms will have ceilings, and the space between the ceiling and the structure above will be designed and constructed so that location of fixtures and services (such as luminaires, sprinklers, ducts, pipes, etc.) will not require removal or relocation for future installation of ceiling-mounted ceiling lifts and their required support layouts.

5.6.9.13 Ceilings will allow access to equipment where necessary, except at those spaces as indicated elsewhere in this Schedule.

5.6.9.14 Ceilings in public areas and Patient common areas will be designed to avoid plain and featureless ceilings. Ceilings in these spaces will provide visual interest.

5.6.9.15 Ceiling Height Requirements

5.6.9.15(1) Ceiling height will be no less than 2.75 m AFF in all areas except for the following:

5.6.9.15(1)(a) Ceiling Height in normally unoccupied areas such as alcoves, storage rooms for supplies and Soiled Utility rooms will not be less than 2.4 m AFF;

5.6.9.15(1)(b) Ceiling Height in Secure Rooms will be not less than 3.0 m;

5.6.9.15(1)(c) Ceiling Height in the Resuscitation Room will be of a height to accommodate the requirements of Appendix 1J [Equipment List] and will be not less than 3.0 m;

5.6.9.15(1)(d) Ceilings Height at bulkheads will be at a height of approximately 2650 mm or as otherwise determined in consultation with the Authority;

5.6.9.15(1)(e) Ceilings Height in rooms containing ceiling-mounted equipment or ceiling-mounted surgical light fixtures will be of sufficient height to accommodate the equipment or fixtures and their normal movement.

5.6.10 Flooring and Floor Finishes

5.6.10.1 The floor and floor systems will form a part of the interior space. Accordingly, the Design-Builder will provide flooring that is complementary and integral to the functional and aesthetic requirements of the interior space.

5.6.10.2 Flooring will not be installed over materials that contain moisture content which exceeds that recommended by the flooring manufacturer.

5.6.10.3 Use static-resistant flooring material for the Resuscitation Room and Telecommunications Rooms.

5.6.10.4 Provide flash-cove floor base at all locations with vinyl or rubber flooring. Flash cove base will be straight cut, with cove former, finished with metal J-cap and apply silicone caulking to any gaps.

5.6.10.5 At solid surface wet wall panel locations, the panels will overlap the flash cove detail and be sealed at junction.

5.6.10.6 The Design-Builder will provide flooring:

5.6.10.6(1) To suit types and concentration of pedestrian and/or vehicular/wheel traffic anticipated; use heavy-duty materials for flooring on which wheeled or service vehicle traffic is anticipated and to which wear and damage may result;

5.6.10.6(2) With low VOC emissions so as to minimize adverse impact on indoor air quality and indoor environmental quality;

5.6.10.6(3) That is impact-absorbing in areas requiring footfall impact noise control such as in Clinical Spaces;

5.6.10.6(4) To meet the acoustic performance criteria set out in Appendix 1D [Acoustic and Noise Control Measures];

5.6.10.6(5) To withstand repeated cleaning, maintenance and infection prevention and control including the frequency and quality of joints;

5.6.10.6(6) Designed for ease of replacement when required by the Authority;

5.6.10.6(7) That is imperviousness to concentrations of moisture anticipated to be present on the floors and for the duration of that moisture; and

5.6.10.6(8) That has durability and resistance to concentrated service traffic, both pedestrian and vehicular;

5.6.10.7 Aesthetic and design quality requirements include:

5.6.10.7(1) Provide flooring which promotes the requirement to create a healing environment within the Facility for the benefit of Patients, Staff and public; and

5.6.10.7(2) Comply with elder-friendly Evidence Based Design principles for the purposes of safety and Wayfinding in Clinical Spaces including:

5.6.10.7(2)(a) Provide one (1) totally continuous flooring surface;

5.6.10.7(2)(b) Provide a 30-degree difference of LRV between surfaces of floors-to-walls and doors-to-walls;

5.6.10.7(2)(c) Adjoining flooring materials will not contrast more than 10 degrees of LRV;

5.6.10.7(2)(d) Avoid placing blue and green together as older adults may have difficulty distinguishing these colours;

5.6.10.7(2)(e) Do not use flecked, striped and patterned floors; and

5.6.10.7(2)(f) Do not use highly reflective flooring or reflective trims or transitions.

5.6.11 Secure Room Requirements

5.6.11.1 Secure Rooms will meet the requirements as set out in this Schedule, and unless otherwise specified such as the exclusion of an Anteroom, the Provincial Quality, Health & Safety Standards and Guidelines for Secure Rooms in Designated Mental Health Facilities under the BC Mental Health Act, latest version;

5.6.11.2 Design will prevent Patients from being able to hide items in the ceiling or tamper with fixtures even if standing on the water closet fixture or other fixed furniture;

5.6.11.3 Ceiling fixtures will not be within reach of a Patient standing on water closet or other fixed furniture;

5.6.11.4 Coat hooks, towel bars or shelves to store items are not permitted;

5.6.11.5 Secure room door to swing outward so that the door does not create an impediment to admitting a Patient.

5.6.11.6 Wall structure will be of minimum 200 mm wide, hollow, 7.5 MPA, normal weight concrete block (Type D, C or B - reference CSA Standard A165.1- M) to underside of slab and meeting the requirements of Appendix 1D [Acoustic and Noise Control Measures]. Where deflection gaps are provided at the top of non-loadbearing walls the gap will be limited to 25 mm from top of masonry wall to the underside of slab. Steel stud structured walls are not permitted;

5.6.11.7 Provide soft wall padding to reduce Patient harm from hitting walls with limbs or heads and to reduce the need for chemical restraint or sedation. Prefabricated soft wall padding panels will be minimum 38 mm (1.5”) thick, installed to minimum 2.44 m (8’) AFF level with padding flush to coved base;

5.6.11.8 All projections including mechanical, communications, and electrical devices in Secure Room will be ceiling mounted or located such that no device can be accessed or tampered with by the assistance from any equipment, device or projection, such as a water closet;

5.6.11.9 Provide the ability for Staff to observe all four corners of the Secure Room from the Secure Room door window;

5.6.11.10 Controls for the Secure Room exterior window blinds will be accessed from the corridor and located adjacent to the Secure Room door;

5.6.11.11 For structural support of the Secure Room door and to protect the integrity of the adjacent wall in resisting and distributing forces caused by door use, provide the following:

5.6.11.11(1) Vertically install one 15 mm (5/8" diameter) steel rebar from slab to ceiling in the first void of the wall opening on each side of the door;

5.6.11.11(2) Horizontally install one 15 mm steel rebar in the lintel blocks;

5.6.11.11(3) The bar must be bent to engage the blocks to each side of the door opening a minimum vertical distance of 450 mm (18");

5.6.11.11(4) Tie the horizontal and vertical rebar together;

5.6.11.11(5) Fully grout walls for a distance of 450 mm (18") around the perimeter of the cell door opening with a high yield mortar;

5.6.11.11(6) High yield mortar must also be used to fill any voids containing rebar;

5.6.11.11(7) Fill the wall voids adjacent to the lintel; and

5.6.11.11(8) Position rebar to avoid conflict with door hardware installation.

5.6.11.12 Provide cushioned flooring in the Secure Room. See Section 6.9.4 Flooring.

5.7 Interior Environment

5.7.1 Infection Control

5.7.1.1 General

5.7.1.1(1) Design the Facility to mitigate and prevent, where possible, the spread of infection including via contaminated surfaces and airborne pathogens, consistent with all infection control Standards and guidelines.

5.7.1.1(2) Provide continuous disinfection technology lighting; refer to Section 7.7.12.1(4).

5.7.1.1(3) Comply with CSA Z317.13 Infection Control during Construction, Renovation or Maintenance of Healthcare Facilities.

5.7.1.1(4) Select required materials that meet CSA Z8000-11 infection control characteristics and use simple detailing with quality workmanship and ease of accessibility for routine cleaning, maintenance and to minimize the physical spread of bacteria.

5.7.1.1(5) Design the Facility to segregate sterile, clean, and soiled items, including traffic patterns of clean and soiled transport within the Facility.

5.7.1.1(6) Ensure proper sealing of all walls above and below the ceiling.

5.7.1.2 Outbreak Control Zones

5.7.1.2(1) Design the Facility to mitigate the spread of airborne infections during an outbreak by creating Outbreak Control Zones as follows:

5.7.1.2(1)(a) Outbreak Control Zones will be provided in the following areas:

(a).1 Level 1 of the Facility: Provide the entire Emergency Department as an Outbreak Control Zone;

(a).2 Level 2 of the Facility: Provide one (1) twelve (12) bed clinical area within the Medical/Surgical Inpatient Unit and all of its support spaces as an Outbreak Control Zone with each Alcove-PPE (Outbreak Control) acting as an anteroom to the zone; and

(a).3 Level 2 of the Facility: Provide the entire twenty-four (24) bed Medical/Surgical Inpatient Unit as an Outbreak Control Zone with the Waiting Room-Large acting as an anteroom to the zone.

5.7.1.2(1)(b) Outbreak Control Zones will be bounded by construction that allows the mechanical ventilation systems to create negative pressure within a zone relative to adjacent floor areas. Refer to Section 7.4.4.1(3) for detailed mechanical requirements.

5.7.1.2(1)(c) Outbreak Control Zones will contain space that can be converted into an anteroom, with a hand hygiene sink station and PPE dispenser adjacent to each point of entry to the Outbreak Control Zone, or as otherwise agreed in consultation with the Authority.

5.7.1.3 Sinks and Hand Hygiene Stations (Respiratory Station)

5.7.1.3(1) Provide hand hygiene sinks as indicated in Appendix 1C [Minimum Room Requirements].

5.7.1.3(1)(a) In addition, provide one (1) hand hygiene sink in the medical imaging waiting area described in Section 4.4.2.8.

5.7.1.3(2) Prepare a workflow pattern and risk assessment in collaboration with the Authority to determine placement of hand hygiene sinks.

5.7.1.3(3) Strainers and anti-splash fittings at outlets will not be used.

5.7.1.3(4) All hand hygiene sinks will be located in alcoves and not project into the minimum corridor, lobby or waiting area width.

5.7.1.3(5) Unless otherwise approved by the Authority, provide one (1) hand hygiene sink within 6 m of all care team station entrances.

5.7.1.3(6) Provide Respiratory Stations:

5.7.1.3(6)(a) At all entrances to the Facility and Inpatient Units with current Authority standard STOP signage so that visitors stop, take notice, and access them. Refer to Section 5.7.1.3(8) for Respiratory Station requirements); and

5.7.1.3(6)(b) At other locations determined in consultation with the Authority.

5.7.1.3(7) At all hand hygiene sink locations, install the following items appropriately placed, as required by Appendix 1J [Equipment List]:

5.7.1.3(7)(a) Paper towel dispensers;

5.7.1.3(7)(b) Soap dispensers; and

5.7.1.3(7)(c) Garbage disposals.

5.7.1.3(8) At all Respiratory Station locations, provide combination hand sanitizer-PPE dispensers consisting of the following:

5.7.1.3(8)(a) floor-mounted station with dispensing unit for boxes of masks and tissues, transparent sign holder and mounting area for a hand sanitizer dispenser; and

5.7.1.3(8)(b) having components designed for long-term use, made of powder-coated steel, ABS plastic and PETG plastic, and that can be cleaned using standard hospital cleaning products. Provide "Cover Your Cough Compliance Kit", model BD114-0012, manufactured by Bowman Dispensers, or equivalent as reviewed by the Authority.

5.7.1.4 Scrub Sinks

5.7.1.4(1) At minimum, provide specialized, stainless steel scrub sinks in the following locations:

5.7.1.4(1)(a) As indicated in Appendix 1A [Clinical Specifications and Functional Space Requirements].

5.7.1.4(2) All scrub sinks will have hands-free operation.

5.7.1.4(3) At all scrub sink locations, provide or install the following items appropriately placed, in conjunction with the requirements of Appendix 1J [Equipment List]:

5.7.1.4(3)(a) Scrub solutions;

5.7.1.4(3)(b) Paper towel dispensers;

5.7.1.4(3)(c) Garbage disposals;

5.7.1.4(3)(d) Eyewash;

5.7.1.4(3)(e) Linens;

5.7.1.4(3)(f) Mirror;

5.7.1.4(3)(g) Surgical supplies, such as masks, gloves, fingernail cleaners, brushes; and

5.7.1.4(3)(h) Other required items identified by the Authority.

5.7.1.5 Alcohol-Based Hand Rub Dispensers and Respiratory Stations

5.7.1.5(1) The Design-Builder will install all alcohol-based hand rub dispensers for the Facility in the quantities and at the locations required by the Authority.

5.7.1.5(2) Dispenser stations will have alcohol-based hand rub dispensers mounted ergonomically for use by visitors.

5.7.1.5(3) Provide respiratory stations at all Facility entrances and other key locations, including unit entrances as set out in Appendix 1A [Clinical Specifications and Functional Space Requirements], as reviewed with the Authority. These stations will include signage, alcohol-based hand rub dispenser procedure, masks and tissues.

5.7.1.6 Personal Protective Equipment

5.7.1.6(1) Prepare a workflow pattern and risk assessment in collaboration with the Authority to confirm the final quantity and placement of PPE dispensers in the Facility.

5.7.1.6(2) The location and quantity of PPE dispensers throughout the Facility will be as reviewed by the Authority to meet functional and operational requirements.

5.7.1.6(3) At minimum, the Design-Builder will provide large and small wall-mounted PPE dispensers to meet the following requirements:

5.7.1.6(3)(a) Dispensing capacity and placement will be reviewed with the Authority to ensure that the capacity and placement meet the day-to-day requirements of the Component or space.

5.7.1.6(3)(b) Large PPE dispensers will generally consist of the following:

(b).1 wall-mounted dispensers having a seamless outer enclosure with compartments for the types of PPE required to protect Staff from infections when in contact with blood or other bodily fluids, including gloves, disposable and reusable gowns, aprons, masks and hair/head covers, respirators, goggles, and face shields; and

(b).2 having components designed for long-term use, made of powder-coated steel, and that can be cleaned using standard hospital cleaning products. Provide "Protection System - Double Gown", model PS015-0512, manufactured by

Bowman Dispensers, or acceptable alternate as reviewed with the Authority.

5.7.1.6(3)(c) Small PPE dispensers will generally consist of the following:

(c).1 wall-mounted dispensers having a transparent enclosure with three separate compartments for the types of PPE required to protect Staff from infections when in contact with blood or other bodily fluids including gloves, gowns, aprons, masks, respirators, goggles, and face shields; and

(c).2 having components designed for long-term use, made of acrylic, and that can be cleaned using standard hospital cleaning products. Provide "Triple Bulk Dispenser", model ML8688, manufactured by MarketLab, or acceptable alternate as reviewed with the Authority.

5.7.1.6(3)(d) Not Used.

5.7.1.6(4) The Design-Builder will provide large PPE dispensers in the following locations at minimum;

5.7.1.6(4)(a) All anterooms forming the points of entry to each Outbreak Control Zone, as described in Section 5.7.1.2(1)(c);

5.7.1.6(4)(b) Corridors connecting Clinical Spaces throughout the Facility, such that PPE is immediately accessible in all Patient Care Areas, including the following at minimum:

(b).1 In the Emergency Department, provide one (1) large PPE dispenser in the corridor located between every two (2) rooms or spaces where care or treatment is being administered, such as Exam/Treatment Rooms;

(b).2 In the Medical/Surgical Inpatient Unit, provide one (1) large PPE dispenser in the corridor located between every two (2) Patient rooms;

(b).3 In the Maternity Services Unit, provide one (1) large PPE dispenser in the corridor located between every two (2) Patient rooms; and

5.7.1.6(4)(c) At other locations determined in consultation with the Authority.

5.7.1.6(5) The Design-Builder will provide small PPE dispensers in the following locations at minimum:

5.7.1.6(5)(a) Not Used.

5.7.1.6(5)(b) Spaces where hand hygiene sinks are located, with the exception of hand hygiene sinks inside Patient rooms, where only glove dispensers are needed;

5.7.1.6(5)(c) All waiting areas;

5.7.1.6(5)(d) All elevator lobbies; and

5.7.1.6(5)(e) At other locations determined in consultation with the Authority.

5.7.1.7 Millwork and Equipment Storage

5.7.1.7(1) Unless otherwise determined in consultation with the Authority in accordance with Schedule 2 [Review Procedure], provide storage shelves that are:

5.7.1.7(1)(a) Cleanable with Authority-approved detergents and disinfectants;

5.7.1.7(1)(b) Enclosed if located over sinks;

5.7.1.7(1)(c) Raised 250 mm clear above the floor to permit routine cleaning; and

5.7.1.7(1)(d) Lowered at least 500 mm from ceiling to ensure adequate functioning of fire sprinklers.

5.7.1.7(2) If open shelving is provided for storage, the bottom shelf of such shelving will be solid polymer fabricated surfacing to prevent contamination from the floor.

5.7.2 Retail Gift Shop

5.7.2.1(1) Specific requirements will be dependent on the configuration, but at a minimum the Design-Builder will provide the following:

5.7.2.1(1)(a) Retail display areas consisting of slat wall panelling on designated walls;

5.7.2.1(1)(b) Adjustable shelving with storage cupboard below and lighting above;

5.7.2.1(1)(c) Customer service counter with under counter storage, outlets for phone, interact and cash register, additional power outlets as may be required on the walls and specialty lighting;

5.7.2.1(1)(d) Slip-resistant, low maintenance flooring; and

5.7.2.1(1)(e) All other features as required by Appendix 1C [Minimum Room Requirements].

5.7.3 Retail Coffee Shop

5.7.3.1(1) Retail Coffee Shop will be fitted out as a tenant improvement. The Design-Builder will provide all power, data, sanitary, domestic cold and hot, vent connection and grease interceptor infrastructure; refer to mechanical and electrical Specifications of this Schedule.

5.7.3.1(2) Provide a sliding security grille meeting the requirements of Section 6.8.6.5 to separate and secure the Retail Coffee Shop from the adjacent corridor.

5.7.4 Ergonomic Design

5.7.4.1 The Design-Builder will provide:

5.7.4.1(1) Detailed design features which expressly facilitate the physical activities of the Staff and Patients to increase their safety, efficiency and general well-being, and eliminate ergonomic risk factors through the Design of Millwork, lighting, lift devices, and Patient assist or equipment maneuvering space;

5.7.4.1(2) For all Patient care and treatment spaces to accommodate lifting and transfer devices;

5.7.4.1(3) Ergonomic design to accommodate 50% of North American Women defined in “Engineering Anthropometry” within *The Occupational Ergonomic Handbook* (most recent edition) and Appendix 1H [Staff Safety Guidelines For Interior Health / Northern Health Facility Design Projects], for all workspaces including Millwork, furniture, lighting and finishes to eliminate strain and injury to health care workers including consideration of:

5.7.4.1(3)(a) Separation and efficiency of clinical, Patient and support service workflow corridors;

5.7.4.1(3)(b) Convenience of equipment and supply storage for both clinical and non-clinical Staff; specific attention to storage access from each OR; and

5.7.4.1(3)(c) Awkward posture and repetitive motion ergonomic measures (lighting, work heights, adjustability) at all task-intensive workstations; specific attention will be paid to work surface heights for office/ computer inputting versus task intensive bench work. Incorporate three different standing heights in concert with the Authority including: Highest = fine motor work (typing, lab); Medium = some areas of lab, anaesthesia; and Lowest = heavy work (e.g. biomed).

5.7.5 Elder-Friendly

5.7.5.1 The Design-Builder will comply with Code Plus, Physical Design Components for an Elder-Friendly Hospital, latest version, or the version in effect on the Effective Date, which identifies components that are known to contribute adverse effects on functional ability and safety in older adults, and additional physical design elements that go beyond industrial building codes and Standards together with corresponding recommendations for elder friendliness.

5.7.5.2 The Design-Builder will provide easy access to wheelchairs/stretchers and nestable transport chairs (Staxi) close to the entrance of the Facility; and ensure that all Clinical Spaces are designed to meet elder friendly and disability design principles and provide for disabled access and assistance by Staff, e.g., barrier-free, including flush and level entrances. Use of stairs in Patient circulation routes is not acceptable.

5.7.5.3 Refer to Section 5.6.10.7(2) for additional requirements.

5.7.6 Pediatric Design

5.7.6.1 The Design-Builder will design the Facility with pediatric friendly spaces, using the following criteria:

5.7.6.1(1) Design the Facility to appeal to children of the different ages that will use that part of the Facility;

5.7.6.1(2) Design the Facility to be scaled for children where applicable and approved by the Authority;

5.7.6.1(3) Provide ergonomically correct features to suit children where applicable;

5.7.6.1(4) Use space design, daylight, colour, pattern and texture to achieve pediatric friendly spaces; and

5.7.6.1(5) Encourage playfulness and interaction with the environment where applicable. Applicable spaces may include: Waiting Areas in the Emergency Department, Medical-Surgical Inpatient Unit and

Maternity Services Unit and public spaces in the Retail and Support Services Component.

5.7.7 Interior Design

5.7.7.1 The Design-Builder to provide interior Design as follows:

5.7.7.1(1) Reflects the Authority's goals within the Facility;

5.7.7.1(2) Overall interior Design throughout the Facility is integrated;

5.7.7.1(3) Provides a distinct character for the Facility which relates to its purpose and the Patients using the Facility;

5.7.7.1(4) Individual design concepts for each Component area;

5.7.7.1(5) Sensitive to the User Consultation Groups in different areas;

5.7.7.1(6) Warm, welcoming and non-institutional environment;

5.7.7.1(7) Complementary environmental wall graphics and other thematic décor with a range of themes and colours;

5.7.7.1(8) Coordinates with progressive disclosure Wayfinding concepts; and

5.7.7.1(9) Employ as part of the Project team, a professional interior designer.

5.7.8 Colour

5.7.8.1 The Design-Builder will:

5.7.8.1(1) Provide departmental colour palettes appropriate for the emotional and psychological needs of Patients and Staff;

5.7.8.1(2) Provide natural colour palettes that contribute to the creation of a healing environment;

5.7.8.1(3) Provide distribution of ambient full-spectral colour within typical Staff and Patient environments;

5.7.8.1(4) Avoid glare-creating finishes;

5.7.8.1(5) Unless otherwise approved by the Authority, avoid yellow, green and blue tones in Clinical Spaces, including Patient recovery and treatment areas;

5.7.8.1(6) Provide colours appropriate to the uses of the Facility including mental health;

5.7.8.1(7) Apply patterns and textures to enhance pedestrian and elder safety and assist in Wayfinding. Excessive patterning or textures will not be used as this can be misconstrued by Patients. High contrasting colours are not permitted;

5.7.8.1(8) Provide Component colour palettes appropriate for the emotional and psychological needs of the Patients; and

5.7.8.1(9) Avoid glare-creating finishes.

5.7.9 Art Works

5.7.9.1 As part of the Authority's art program, the Authority intends to procure various art works for display within the Facility.

5.7.9.2 Art can improve the quality of the environment by reinforcing the impression of a caring environment and by creating a sense of space through strong ties to the local community. Art can be a positive distraction for Patients and promote social interaction and social support as well as Patient's and Staff's sense of ownership. Artwork will be used in the Wayfinding strategy and plan.

5.7.9.3 The Design-Builder will:

5.7.9.3(1) Design the Facility to support the Authority's art program by providing and identifying for the Authority effective and appropriate locations for major and minor art works throughout the Facility;

5.7.9.3(2) Provide lighting to enhance the display of all art works;

5.7.9.3(3) Provide all necessary structural support, seismic restraint, Vandal Resistant mounting and other protective measures required for particular art works as identified by the Authority during the Design phase as set out in Schedule 2 [Review Procedure];

5.7.9.3(4) Consider the development of major public pathways and waiting areas as galleries with hanging and display systems that can accommodate complete size and spacing flexibility in mounting;

5.7.9.3(5) In concert with the Authority, coordinate and manage the installation of artwork that is owned by Authority and will be installed in the Facility.

5.7.9.4 Artwork will form an integral part of the design development of the Facility and will form part of design development proposals.

5.7.9.5 Security and/or protective enclosures will be provided for artwork, if and where required by the Authority.

5.7.9.6 Additional Considerations

5.7.9.6(1) The Facility will be located on the traditional territory of the Secwépemc First Nation and in close proximity to the traditional territories of the Tsilhqot'in and Dãkelh Dené First Nations, which together include 15 First Nations member communities. The local area is also home to the Cariboo Chilcotin Métis Association and a large urban Aboriginal population

5.7.9.6(2) Culture and Beliefs

5.7.9.6(2)(a) Aboriginal and Métis culture, beliefs and Laws are passed down orally through storytelling, songs, dancing, fiddling, and hand drumming. Each carving, mask, painting, pictograph, beading and pottery piece describes the history as it is passed down, coming to life through dance and ceremony. The design of items such as clothing, baskets, masks, hand-drums, beading, sashes and pictograph paintings are interrelated with meaningful and sacred ceremonies, family histories and names, and geographical locations. Art and artifacts can commemorate events such as births, celebrations, ceremonies and deaths. Baskets and weapons were the lifeblood for food supplies and survival.

5.7.9.6(2)(b) The Authority intends to visibly represent its commitment to Aboriginal Reconciliation through artwork; refer to Section 3.10 Commitment to Reconciliation and Cultural Safety for further requirements.

5.7.9.6(3) Design Considerations

5.7.9.6(3)(a) The Facility will have one or more Design component(s) representing the Aboriginal people and their art which may include elements inspired by Aboriginal Pit Houses.

5.7.9.6(3)(b) The Design component(s) will include Aboriginal art of the region and allow space for local artists to display their work.

5.7.9.6(3)(c) The inclusion of Aboriginal artwork in the Design is culturally sensitive and must follow the User Consultation Group process set out in Schedule 2 [Review Procedure].

5.7.10 Interior Wayfinding

5.7.10.1 The Design-Builder will:

5.7.10.1(1) Provide a simple configuration of the Facility circulation systems and functions to create a welcoming tone for Patients and families who are not familiar with the Facility by:

5.7.10.1(1)(a) providing inherently easy Wayfinding;

5.7.10.1(1)(b) providing signs that use progressive disclosure methodology for Wayfinding; and

5.7.10.1(1)(c) ensuring that all signs throughout the Facility follow a cohesive system of graphical presentation.

5.7.10.1(2) Locate major destinations, such as Component entrances, directly off of entry spaces and/or along primary General Circulation paths, make waiting areas as open as possible to circulation routes without forming part of the circulation corridors;

5.7.10.1(3) Provide significant recognizable, easily named and identified elements in key locations that can become ‘meeting points’ for Patients and visitors;

5.7.10.1(4) Design public elevator and stair lobbies and General Circulation routes to be distinct from service routes and other non-public routes; and

5.7.10.1(5) Orient all building plan directories to reflect the direction from which they are viewed.

5.7.11 Signage

5.7.11.1 Signage Design will incorporate elder-friendly principles so that signage is easily understandable by Patients and families using it for first time.

5.7.11.2 The Design-Builder will provide all signage required for the Facility in accordance with the following:

5.7.11.2(1) Use the Interior Health Graphic Standard for all ‘Interior Health’ logo placement;

5.7.11.2(2) Signage will be highly visible (day and night), clear, concise, and well-differentiated from surrounding information, notices, advertising, etc. Use high colour contrast combinations on signs;

5.7.11.2(3) Avoid the following colour combinations:

5.7.11.2(3)(a) Yellow on Black;

5.7.11.2(3)(b) Yellow on Green;

5.7.11.2(3)(c) Green on Blue;

5.7.11.2(3)(d) Red on Green.

5.7.11.2(4) Font will be at least 16 mm high on small signs and 40 mm high on larger signs. Where used, tactile letters will be raised 1 mm. Use the combination of capital and lower case lettering;

5.7.11.2(5) Signage will be resistant to graffiti and physical damage and be of a material which will stand up to routine cleaning. Apply anti-graffiti coatings to signage to a minimum height of 2400 mm above finished ground, or to the next logical breakpoint in the material above that height;

5.7.11.2(6) Use international symbols where applicable so that signs are understandable to Patients and families who do not or cannot read English;

5.7.11.2(7) Provide signage next to intercoms or telephones located outside locked units with simple instructions for visitors on the use of the device.

5.7.11.2(8) Use symbols that describe the function of the room rather than the person(s) using the room;

5.7.11.2(9) Provide signage that directs visitors to all Patient destinations and all other departments. Prioritize Patient destinations over non-Patient destinations;

5.7.11.2(10) Place maps, including ‘You Are Here’ maps, at Reception, Facility and Component entry areas and key decision points such as elevator lobbies;

5.7.11.2(11) Exact sign installation height will be determined on-site with the Authority Design and Construction Representative;

5.7.11.2(12) Orient all important signs, including all Patient destination signs, to be perpendicular to the line of Patient travel on approach;

5.7.11.2(13) Avoid multi-layered naming hierarchies and complex numbering systems;

5.7.11.2(14) In addition to the existing donor elements to be relocated and featured in the Facility, the Design-Builder will provide spaces for new donor recognition elements:

5.7.11.2(14)(a) located in public areas within the Retail and Support Services component;

5.7.11.2(14)(b) in each of the public waiting rooms or Unit entrances and other specific rooms where the Authority may construct a feature to recognize donors and other supporters of the Facility. Each space will be provided with power and data. Location will be determined with the Authority: and

5.7.11.2(14)(c) at typical equipment locations in rooms and alcoves to recognize equipment donors.

5.7.11.2(15) Follow the Authority's brand and inclusive sign guidelines.

5.7.11.3 Provide Design and installation of three (3) durable temporary signs as required for key Wayfinding areas as coordinated with the Authority throughout the CMH Campus and subsidiary spaces that will be necessary for the transition from the Existing Hospital to the Facility for at least 12 months following Substantial Completion. Coordinate permanent signage changes with the Authority.

5.7.11.4 Design the internal directional signs using progressive disclosure methodology for Wayfinding to include:

5.7.11.4(1) A main directory, installed at or near each of the main public entrances/lobbies that indicates the location of the Facility in relation to the overall CMH Campus, the location of every area and Component within the Facility that is accessible to the public, and the location of major departments identified by the Authority located in other parts of the CMH Campus, including parking lots, street names and north arrow;

5.7.11.4(2) A progressive disclosure series of signage from the entrances to each of the Components or departments located in the Facility and listed on the directories which are visible from the corridor;

5.7.11.4(3) Installation of signage at each point at which a directional decision is required;

5.7.11.4(4) Directory in the public elevator lobby at each floor which the elevator stops. In each public and Staff elevator lobby provide easily identifiable signage visible from the elevator to indicate the floor number. Provide two where the elevators open in different orientations;

5.7.11.4(5) Provide directional signage for key levels inside each public and service elevator cab;

5.7.11.4(6) Provide a graphic panel at each Component entry, reception area, waiting rooms, elevator lobby, Staff lounge and within the Component at care team stations. Coordinate the graphic panel with signage for the Component;

5.7.11.4(7) Use consistent terminology and location of signage;

5.7.11.4(8) Door signage to identify every space (e.g. rooms, alcoves, corridors and stairwells) in the Facility. Door signage will:

5.7.11.4(8)(a) be located in a consistent location for every space in the Facility;

5.7.11.4(8)(b) indicate any restrictions on entry required by the Authority;

5.7.11.4(8)(c) not be obscured by the emergency systems and nurse call system; and

5.7.11.4(8)(d) be consistent with the following room numbering protocol:

(d).1 each room has unique identification numbers; one for room Wayfinding number and one for BMS identification number. Provide both numbers per room sign.

(d).2 rooms are numbered in a manner that reflects normal movement through the Facility and through its departments;

(d).3 labelling anticipates a person attempting to follow numbering along corridors in sequence;

(d).4 blocks of numbers are periodically skipped to allow for Future Flexibility of the numbering system if rooms are added through renovations;

(d).5 each Patient room will have a unique number which will follow a logical sequence for Patients and visitors, such as Bay 1, Bay 2, Bay 3, and so on, as well as a unique identifier number (see d)1), above;

(d).6 each room and space require a unique number. It is important that room numbers be determined early in the design process and maintained following occupancy; and

(d).7 follow the same numbering system on Design and Construction documentation for all disciplines (architectural, mechanical, electrical, etc.);

5.7.11.4(9) Directional signage for Staff at each service elevator;

5.7.11.4(10) Restricted access and card access signage for all service elevators;

5.7.11.4(11) Signage required at each stairwell level;

5.7.11.4(12) Signage required at all Staff only doors (interior and exterior);

5.7.11.4(13) Signage required at all public doors noting Facility name, hours of operation, if alternate entry location, smoke free environment, scent free environment; and

5.7.11.4(14) Room number signage for Patient rooms on IPUs will be on large blade signs located above the room door. Signage will be clearly visible from both sides of the corridor approaching the room. In addition, provide a smaller sign located beside the door with both the room Wayfinding number and the BMS identification numbers.

5.8 Covered Ambulance Drive-Through

5.8.1 The Design-Builder will design the Covered Ambulance Drive-Through to meet the following requirements. The Covered Ambulance Drive-Through will:

5.8.1.1 Be used only by authorized vehicles;

5.8.1.2 Be a covered and fully weather-protected, at-grade drive-through area accommodating two (2) ambulance parking stalls with an uninterrupted drive-through lane, as follows:

5.8.1.2(1) The drive-through area will be able to accommodate an additional two (2) ambulances;

5.8.1.2(2) The drive-through area will have a raised curb to prevent ingress of water and snowmelt runoff from adjacent areas at a higher elevation;

5.8.1.2(3) Other than the openings required for ambulance ingress and egress, the drive-through area will be entirely enclosed with an architectural screen designed such that it will have sufficient openings for ventilation, prevent the ingress and accumulation of snow in the lane and impede views from neighbouring properties;

5.8.1.3 Provide clearance on each side of the ambulance so that a stretcher, in its fully extended position with Staff around it, can be manoeuvred between the structure and the doors of the vehicle in their fully open position and remain under covered protection from the weather;

5.8.1.4 Include two (2) ceiling mounted power outlets and cord reels above each ambulance space;

5.8.1.5 Include two (2) 100A, 208V, 3-phase vital power outlets in a weatherproof enclosure with cam-lock type connectors;

5.8.1.6 Include wireless network coverage;

5.8.1.7 Not used

5.8.1.8 Include two (2) exposed 1/4-turn non-freeze hot and cold hose bibs with wheel handles and vacuum breaker, hoses and hose reels, complete with adequate floor drains, distributed to allow for spraying down of the garage and ambulances at all bays; hose bibs will be accessible without the use of keys;

5.8.1.9 Be designed to accommodate use for mass triage or to support care of Patients in the event of mass casualty;

5.8.1.10 Have a floor slab sloped at a minimum of 2% to drain away from the Facility;

5.8.1.11 Comply with BCAS Standards, including minimum vertical clearance; and

5.9 Structural Design

5.9.1 Structural Design Principles

5.9.1.1 The Design-Builder's structural engineer-of-record will be a Professional Engineer and a designated structural engineer having 'Struct Eng' standing with EGBC with demonstrated experience in undertaking the structural design of buildings similar in size and complexity to the Facility.

5.9.1.2 The structural Design, including minimum design loads, general provisions and material Specifications, will satisfy the more stringent requirements of the most recent BCBC, local by-laws, other applicable or referenced design Standards, loading criteria required by equipment suppliers or construction technique and the loading and performance requirements detailed in this Section.

5.9.1.3 Prior to starting the Construction of the Facility, the Design-Builder's structural engineer of record will have a qualified second Professional Engineer perform a concept review satisfying the requirements of Engineers and Geo-scientists of British Columbia Quality Management By-law.

5.9.1.4 The Design-Builder's structural engineer-of-record will perform field review of the Construction at sufficient frequency and review of the reports of the applicable inspection and testing agencies to verify that the building structures of the Facility have been built in substantial conformance to the approved issued for construction structural drawings and any authorized amendments thereto.

5.9.1.5 The Design-Builder will carry out the Construction, including any Site works, excavation, backfill, shoring and engineered backfill, so that Construction-caused settlement of existing buildings and structures on the CMH Campus over the Term of the Agreement will be minimized. In no case will the Construction-caused settlement of existing buildings and structures on the CMH Campus exceed 5 mm, except as noted below:

5.9.1.5(1) On the east side of the Facility, where underpinning or shoring is required for the Existing Hospital foundation structure due to the close proximity of the excavation required for the Facility, the maximum settlement of the Existing Hospital structure will not exceed 15 mm; and

5.9.1.5(2) The Design-Builder will carry out a preconstruction survey and settlement monitoring of the Existing Hospital buildings and structures on the CMH Campus in accordance with Section 2.8.3 Survey and Monitoring.

5.9.1.6 The structural Design of the Facility will be to BC Building Code post-disaster Standards. Related Importance Factors will be applied to seismic, wind, rain and snow loads.

5.9.1.7 The Design-Builder will submit a Site specific snow study for review and acceptance by the Authority. The snow study will identify any snow drift impacts on adjacent existing roofs. The Design-Builder will prepare a detailed review and report for the existing adjacent roofs structures for snow drift impacts and will recommend strategies for snow drift mitigation where required. Upgrade of adjacent roof structures for snow drift will not be included in Phase 1.

5.9.1.8 The Design-Builder will provide copies of the structural and geotechnical field reviews on a biweekly basis to the Authority.

5.9.2 Structural Analysis Methods

5.9.2.1 Perform the structural analysis of the Facility generally in accordance with the provisions of BCBC (2018), Section 4.1.8.7; however, and as a minimum, it is essential that a Dynamic Analysis Procedure (Response Spectrum Acceleration Analysis) in accordance with the provisions of the BCBC (2018), Section 4.1.8.12, be used.

5.9.2.2 The structural analysis of the Facility will include a three-dimensional analysis accounting for all vertical and lateral loads together with all applicable load combinations, carried out using a computer software program consistent with Good Industry Practice. All suspended floor slabs will be analysed for long-term slab deflection including the effect of creep and shrinkage using a non-linear computer program similar to SAFE. On request, analysis results will be provided to the Authority for review.

5.9.3 Site Preparation and Sub Structures

5.9.3.1 Facility foundation systems will provide adequate support to the superstructure while limiting overall and differential settlement to acceptable amounts for the building structure and serviceability over the Term of the contract. Maximum allowable settlement will be determined by the Design-Builder's geotechnical engineer. In any case, maximum long-term total foundation settlement will not exceed 25 mm and differential settlement will not exceed 20 mm in 10 m.

5.9.3.2 The Design-Builder will engage a geotechnical consultant as part of its team. A supplementary geotechnical investigation will be required to specify foundation design parameters.

5.9.3.3 Facility foundation systems and Site preparation Design will be in accordance with recommendations from a qualified geotechnical Professional Engineer. Facility foundations will be designed by the building engineer-of-record.

5.9.3.4 Refer to Section 2.8.4 for requirements regarding vibration from Construction activities.

5.9.3.5 During Site preparation and Construction, a qualified geotechnical Professional Engineer, will provide Site reviews and on-going testing to confirm the general intent of the foundation and Site preparation specification and design recommendations, including densification, are carried out.

5.9.3.6 During Site preparation, vibration will not exceed the limits as determined and agreed to by the Authority as specified in Section 2.8.4.

5.9.4 Structural Systems

5.9.4.1 For the Facility the preferred structural system for the suspended floors and main roof consists of cast-in-place concrete flat slab construction. Any other proposed system will provide similar performance for flexibility or change, vibration resistance, fire rating, acoustic separation, ceiling space available for services, and overall building height.

5.9.4.2 Floor slabs will be recessed minimum 40 mm at all Patient room washroom shower locations, including bariatric showers, identified in 5.10.3.8(3) for creating slopes to drain. Additional local recess may be required at shower drain pans.

5.9.4.3 Facility lateral seismic and wind loads will be resisted by strategically placed reinforced concrete shear walls that encompass both stair wells and elevator shafts. Shear walls within interior spaces are not permitted in order to leave flexibility for future changes.

5.9.4.4 Not Used

5.9.4.5 Roofs may be structural steel or concrete slab construction. Structural steel open web joists may not be used at roof areas directly above clinical spaces and mechanical rooms.

5.9.4.6 The Facility foundations will be founded a minimum of 1200 mm below finish grade or at a depth recommended by the Design-Builder's geotechnical engineer or the depth required by the AHJ, whichever is greater, that is required for frost protection.

5.9.4.7 The Design-Builder will undertake adequate measures to protect the soil below the foundation from freezing during the Construction until adequate soil cover is provided to prevent frost penetration. Foundation will not be constructed on frozen ground. Where excavation is carried out next to the adjacent buildings on the CMH Campus, minimum frost protection will be maintained for existing building foundations.

5.9.4.8 Ambulance drive through will be concrete slab on grade meeting CSA S413 corrosion protection and slopes to drain requirements. Slab on grade will be constructed on non-frost susceptible engineered fill.

5.9.4.9 The Level 1 Back of House corridor from the Emergency Department in the Facility to the Existing Hospital surgical services may be connected to the Existing Hospital structure for lateral loads. The corridor along the Existing Hospital structure will be independently supported for gravity loads unless the Existing Hospital structure is reviewed and upgraded as required to support the additional gravity loads from the corridor structure.

5.9.4.10 The Design-Builder will provide dedicated structural supports for the generator exhaust, including the shroud.

5.9.5 Design Loads

5.9.5.1 Performance criteria for the Facility

5.9.5.1(1) Unless higher loads are required by the current BCBC or specific use and occupancy, and equipment loads, the following minimum floor design live loads will apply:

5.9.5.1(1)(a) Level 0 and level 1 floors: 4.8 kPa (100 psf);

5.9.5.1(1)(b) Corridors, lobbies and aisles: 4.8 kPa (100 psf);

5.9.5.1(1)(c) Upper floors: 3.6 kPa (75 psf);

5.9.5.1(1)(d) Mechanical / electrical penthouse and mechanical / Electrical Rooms: 6.0 kPa (125 psf) or as required for equipment;

5.9.5.1(1)(e) Ambulance Driveways: 7.2kPa (150 psf);

5.9.5.1(1)(f) Not Used

5.9.5.1(2) Floors will be designed to accommodate concentrated loads from equipment, fixtures, and machinery, whether floor, wall, or ceiling-mounted. As a minimum, all floors will be designed for a minimum specified concentrated load of 9kN applied over an area of 750 mm x 750 mm.

5.9.5.1(3) Floors will be designed for a minimum superimposed dead load allowance of 1.5 kPa to allow for partitions, ceilings and suspended mechanical equipment;

5.9.5.1(4) Roofs will be designed for a minimum net wind uplift of 1.0 kPa

5.9.5.1(5) Roofs will be designed for the superimposed dead load of roofing materials, green roofs (if used), ceilings, mechanical equipment, but not be less than 1.5 kPa (30 psf) to allow for future re-roofing alternatives;

5.9.5.1(6) Floors and roofs above mechanical and electrical service rooms and penthouses will be designed for a minimum superimposed suspended equipment dead load of 2.0 kPa (40 psf) in addition to the minimum dead load allowances specified above;

5.9.5.1(7) Floors for rooms designated for medical records storage or compact high density mobile shelving will be designed for a minimum 12.0 kPa (250 psf) live load.

5.9.5.1(8) The Design-Builder will provide a detailed shoring and re-shoring of formwork proposal to the Authority for review under the Review Procedure. Removal and re-shoring of the slab must take place section by section in small areas not exceeding an area of 18 m x 18 m at one time. Surveys of top of formwork prior to pour and top of slab immediately following finishing of the slab as well as immediately following the initial release of the shoring under the slab prior to re-shore will be provided by the Design-Builder to the Authority as the work progresses. A further survey using the same survey points will be provided three (3) months following the removal of shoring for the slab.

5.9.6 Flexibility for Future Change

5.9.6.1 Design the Facility floor structure with a minimum of one 150 mm diameter fire-rated and fire-stopped knock-out opening on one side of each column for future use to occur within wall framing where possible. The knock-out openings will be in addition to any openings required for current services; additionally, the floor

structure will be capable of having a minimum of six additional core holes (100 mm diameter) per bay without additional reinforcing. The additional core holes can be located outside slab column strip zones. The knock-out openings may be provided by Hilti CP 680-P c.w screw cap or approved alternate.

5.9.6.2 Select a structural system that can accommodate future changes for similar design load occupancies and minor coring for services.

5.9.6.3 The primary structural column support grid for the Facility will be a minimum center-to-center dimension of 9m x 9m to accommodate flexibility in the layout of the Facility, unless otherwise agreed by the Authority. Spans of less than 9m are acceptable at perimeter edge conditions and at locations close to elevator, stairwell and existing structure.

5.9.6.4 Services will not be buried or encased in concrete slabs, except for the following:

5.9.6.4(1) Piping serving trap primers;

5.9.6.4(2) Drainage piping serving elevator pit drains;

5.9.6.4(3) In-slab heating tubes;

5.9.6.4(4) Fire alarm wiring; and

5.9.6.4(5) Power wiring to lighting fixtures and receptacles.

5.9.7 Deflection limitations

5.9.7.1 Design the structure to meet the deflection limits of the BCBC, and in accordance with the applicable materials design Standards listed in Section 2.2 of this Schedule as a minimum and as required for the non-structural components of the Facility. Notwithstanding the above, the deflection limit will not exceed the levels specified in this Section.

5.9.7.2 Performance criteria

5.9.7.2(1) For concrete floor or roof construction, the maximum deflection occurring after the installation of non-structural elements due to all sustained loads, including long-term creep deflection due to sustained loads, plus immediate deflection due to live load, will not exceed span/480 for the Facility;

5.9.7.2(2) For steel roof construction, the maximum live load deflection will not exceed span/360 and the total load deflection will not exceed span/240;

5.9.7.2(3) For steel floor construction, the maximum live load deflection will not exceed span/480 and the total load deflection will not exceed

span/360. The total load deflection will include effects of shrinkage of concrete topping slabs; and

5.9.7.2(4) The floor and roof perimeter edge will be designed to limit combined short- and long-term differential deflection occurring after the installation of exterior wall components, including effects of creep, to a maximum of 15 mm.

5.9.8 Vibration limitations

5.9.8.1 Design the structural system to minimize the effects of floor vibration due to use, occupancy, and equipment. Vibration will be limited to acceptable levels for the use and occupancy of the floors and the performance requirements set out in this Section 5.9.8.

5.9.8.2 The design method will include dynamic analysis of the floor system to determine floor accelerations and velocities using published dynamic loading and a demonstration that those accelerations and velocities meet the vibration limits below.

5.9.8.3 An Acoustic and Vibration Consultant will be retained by the Design-Builder to review and demonstrate compliance with the vibration requirements. The consultant will be a Professional Engineer with demonstrated experience in providing recommendations and analysis for acoustic and vibration performance of buildings.

5.9.8.3(1) Machinery that could be a source of vibration will be mounted using vibration isolation techniques.

5.9.8.3(2) Where practical, vibration isolation tables may be used to support vibration sensitive equipment. The Acoustic and Vibration Consultant will provide documentation of the isolation table performance, equipment requirements, and floor vibration modelling results for review and approval by the Authority, in accordance with Appendix 2A [Submittals], Schedule 2 [Review Procedure];

5.9.8.4 Design the Facility structure such that vibration does not exceed any of the following:

5.9.8.4(1) Maximum acceptable vibration levels appropriate to the planned use and occupancy of the floors;

5.9.8.4(2) Limits provided in ISO 10137, or any other published and widely accepted specification approved by the Authority.

5.9.8.4(3) In areas supporting sensitive medical equipment and occupancies, design the structure for the vibration limitations specified by the

manufacturer of the specified equipment or required by the planned use and occupancy of the floor space in accordance with the vibration limits in the following table. In-situ measurement verification of floor vibration characteristics will be carried out where specified by the equipment manufacturer.

5.9.8.4(4) Acceptable vibration levels for various typical medical and non-medical functional spaces are shown in Table 5.9.8.4(4)(a), Vibration Limitation.

5.9.8.4(4)(a) Vibration Limitation

Common Classification	**Occupancy or Equipment Requirement Examples**	**Maximum Vibration Velocity(1) (µm/s, 1-s, r.m.s.)**
Residential Day (ISO)	Circulation Corridors Lounge Areas Shared Offices and workspaces Public Areas Reception Waiting rooms Washrooms Clinical Spaces (daytime) Meeting rooms (unless using wall or ceiling mounted video cameras or projectors) Private Offices	200 (applies to normal speed walking)
Residential Night (ISO)	Patient rooms and any area where occupants may sleep	140
Operating Theatre (ISO)	Medical/Procedure rooms, Resuscitation Room, Meeting room floors, ceilings or walls that support video cameras or projectors Bench microscopes up to 100 x magnification	100 (Note: threshold of human perception)
	Mechanical and Electrical service rooms	200

5.9.8.4(5) Value of constant velocity regions measured in one-third octave bands of frequency range 8 to 100 Hz. Based on ASHRAE, AISC and ISO Criteria. Vibration velocity at 4 Hz will be limited to 2 times the allowable vibration at 8 Hz and interpolated for intermediate bands. For VC-C, VC-D, or in any space where vibration sensitive equipment will be supported by isolation tables, the maximum vibration velocity applies to one-third octave bands from 1 to 80 Hz. Vibration level depends on walker weight and gait; appropriate footfall conditions must be applied for the space type under consideration. Design specific functional floor area structure for the current planned occupancy vibration criteria as set out in Table 5.9.8.4(4)(a) Vibration Limitation with the provision that for any floor containing any clinical and inpatient occupancy, the vibration velocity for the entire floor, excluding mechanical and Electrical Rooms, will not exceed 200 micro metres per second.

5.9.8.5 In-situ measurement verification of floor vibration characteristics will be carried out where specified by the equipment manufacturer.

5.9.8.6 An independent testing firm may, at the Authority's cost, be retained by the Authority to verify compliance with the vibration requirements. If retained, the testing firm will measure the vibration using instrumentation that may include transducers, accelerometers, signal-conditioning equipment, data recorders, and analysis systems. Measured vibration performance characteristics for the structure will meet the requirements set out in this Schedule.

5.9.9 Durability

5.9.9.1 Design the structure and structural components of the Facility for a minimum 50-year life span.

5.9.9.2 Design the structure in accordance with all applicable material Standards.

5.9.9.3 Design the structure and structural components of the Facility to minimize the effects of corrosion and deterioration due to the environment and use in accordance with the following:

5.9.9.3(1) Adequate concrete crack control joints and expansion/contraction joints. Caulk exposed joints;

5.9.9.3(2) High strength concrete mixes proportioned to CSA A23-1/A23-2 durability requirements for exposure class;

5.9.9.3(3) Reinforce concrete for crack control in accordance with the serviceability and crack control requirements set forth in applicable codes and Standards. Repair all cracks exposed to public and Patient view and cracks within other areas exceeding 1.0 mm in width;

5.9.9.3(4) Hot-dip galvanize exterior exposed steel;

5.9.9.3(5) Chamfer exposed concrete edges; and

5.9.9.3(6) Add corrosion inhibitors to exterior reinforced concrete pavements subject to vehicle traffic.

5.9.10 Medical equipment supports

5.9.10.1 Design and provide for support/anchorage of all equipment supplied by the Authority and the Design-Builder, including vendor required seismic bracing. Medical equipment will be supported, anchored, and braced to resist gravity, operational, and seismic loads as required for the functional and service requirements for the specific equipment.

5.9.10.2 The Design for all equipment supports, anchorage, and bracing, including medical, will be carried out by a qualified Professional Engineer. Installations will be field reviewed by the design engineer.

5.9.10.3 Performance criteria

5.9.10.3(1) Design floor and roof assemblies to support the gravity and seismic loads for floor, wall, or ceiling-mounted medical equipment included on the Appendix 1J [Equipment List]. Ensure that steel content of structural members is compatible with equipment which is sensitive to steel content of the surrounding structure;

5.9.10.3(2) Design the structure for the vibration limitations specified by the manufacturer of the specified equipment or required by the planned use and occupancy of the floor space (see also Section 5.9.8) and carry out in-situ vibration testing when specified by the equipment manufacturer or as required in Appendix 2A [Submittals], Schedule 2 [Review Procedure]. Where practical, the Design of and supports for ceiling-mounted equipment, such as radiology gantries, will be universal for re-use with future equipment installations; and

5.9.10.3(3) Drilled insert-type anchors for medical equipment supports and anchorage will be rated by the insert manufacturer for seismic and cyclic loading applications and drop-in sleeve anchors will not be permitted.

5.9.11 Member Design Criteria

5.9.11.1 Design all floor and roof structural framing members to have sufficient strength and stability so that the factored member resistance is equal to or greater than the effects of the factored loads.

5.9.11.2 Design all floor and roof structural framing members to have sufficient stiffness so as to remain serviceable under the specified gravity loads. The deflection criteria are presented in Section 5.9.7.

5.9.11.3 Lateral Load Resisting System Design Criteria

5.9.11.3(1) Design all structural framing members to have sufficient strength and stability so that the factored member resistance is equal to or greater than the effects of the factored lateral wind pressures or seismic loads, whichever produces the more unfavourable effect;

5.9.11.3(2) Design all structural framing members to have sufficient stiffness so as to remain serviceable under the specified wind pressures and seismic loads. The maximum inter-storey drift under the 1 in 50 year service wind pressure and gravity loads will not exceed 1/500

of the storey height and maximum inter-story drift under seismic loading will not exceed 1/100 of the storey height.

5.9.11.4 Cladding Support Design Criteria

5.9.11.4(1) Where the cladding system will be supported by the structural members, design the members to have sufficient strength and stability so that the factored member resistance is equal to or greater than the effects of the factored gravity, wind pressures and seismic forces, including applicable importance factors;

5.9.11.4(2) Where the cladding system will be supported by the structural members, design the members to have sufficient stiffness so as to remain serviceable under the 1 in 50 year service wind pressure and gravity loads and prevent undue stress to the cladding elements. The deflection serviceability limits occurring after the installation of non-structural elements are shown in Table 5.9.11.4(2) Maximum Deflection/Span Ratios for Cladding Support Members.

Table 5.9.11.4(2) – Maximum Deflection/Span Ratios for Cladding Support Members

Maximum Deflection/Span Ratios for Cladding Support Members		
Member Type	Specified Loading	Deflection Limits
Precast/reinforced concrete floor members supporting cladding panels.	Long-term superimposed dead load plus live load (Vertical)	1:500 or 15 mm max
Structural steel members of floors or roofs supporting cladding panels.	Live Load (Vertical)	1:500 or 15 mm max
All cladding support members.	1 in 50 year wind (Horizontal)	1:360 max

5.9.11.5 Structural Integrity

5.9.11.5(1) Design any structure and its structural members to have sufficient structural capacity and structural integrity to safely and effectively resist all required loads and effects of loads and influences that may reasonably be expected over the service life of the structure including settlement. As a minimum, various levels of structural integrity stated in BCBC, and the relevant material standards should be provided.

5.9.11.6 Thermal Expansion

5.9.11.6(1) Design the primary and secondary structural elements to accommodate the effects of thermal movements of the Facility structure.

5.9.11.7 Seismic Isolation

5.9.11.7(1) Design the primary structure to be completely independent from any existing adjacent structures by a properly designed seismic isolation joint which takes into account the lateral drifts of both the new and adjacent existing structures in accordance with the provisions of the BCBC. Refer to Section 5.9.4 for additional requirements.

5.10 Bariatric Design

5.10.1 Meaning of Bariatric

5.10.1.1 For the purposes of this document, bariatric individuals are considered to be those within the range of 225 kg to 453 kg.

5.10.2 Bariatric Room Requirements

5.10.2.1 The bariatric room requirements apply to all spaces labelled as bariatric in Appendix 1A [Clinical Specifications and Functional Space Requirements].

5.10.2.2 Provide a minimum of 1.5 m clear space on three (3) sides of the bed or stretcher in a bariatric Patient Room.

5.10.2.3 Service connections (e.g.: medical gas, electrical) will be spaced farther apart to accommodate a wider bed.

5.10.2.4 The room will have a ceiling-mounted ceiling lift and track system that can lift and transport at least 454 kg.

5.10.2.5 Unless otherwise determined by the Authority through the Schedule 2 [Review Procedure], the room will be equipped with handrails that can support a minimum of 454 kg.

5.10.3 Bariatric Washroom Requirements

5.10.3.1 Sinks will support at least a 363 kg downward force.

5.10.3.2 Water closet position and height to enable a height adjustable bariatric commode to fit over the water closet when the commode is positioned at the range of middle to maximum height.

5.10.3.3 Distance from the water closet centreline to wall will be 800 mm.

5.10.3.4 Clear space of at least 1118 mm on one side of the water closet for transfer use.

5.10.3.5 Water closet paper dispenser mounted in a location where it can be easily reached by a bariatric person.

5.10.3.6 Equipped with grab bars that are sized for use by a bariatric person and can support 226 kg (500 lb) downward force. Grab bars will be positioned in accordance with BCBC accessibility requirements for standard patients.

5.10.3.7 Grab bars will extend behind and beside the water closet.

5.10.3.8 Where bariatric Patient showers are required in Appendix 1A [Clinical Specifications and Functional Space Requirements], they will:

5.10.3.8(1) have a seamless transition from level to sloped floor (no floor lip);

5.10.3.8(2) have a floor sloped to a drain in the shower area;

5.10.3.8(3) have a minimum dimension of 1500 mm x 1800 mm;

5.10.3.8(4) be designed with a path for wheelchair travel to all other washroom fixtures that can be navigated with minimal crossing over the area of sloped floor; and

5.10.3.8(5) be equipped with grab bars to support at least a 363 kg downward force.

5.10.4 Bariatric Door Requirements

5.10.4.1 Swing doors for bariatric Patients will have a clear floor area beside the latch edge that extends the full height of the door, for 940 mm on the pull side and 640 mm on the push side.

5.10.4.2 Provide a clear dimension extending 2.4 m on the pull side and 1.725 m on the push side for bariatric Patient rooms and 1.8 m on the pull side and 1.725 m on the push side for all other bariatric doors.

5.10.4.3 Sliding doors for bariatric Patients will have a clear floor area beside the latch edge that extends the full height of the door of 600 mm on both sides of the door.

5.10.4.4 The minimum bariatric door width will be 1530 mm clear in a double door configuration (1070 mm and 460 mm typical leaf dimensions, except 1220mm and 305 mm leaf dimensions for bariatric washroom doors), unless otherwise specified or as determined in consultation with the Authority in accordance with Schedule 2 [Review Procedure].

5.11 Building Security and Safety

5.11.1 Basic Requirements

5.11.1.1 Provide wall finishes, Anti-Barricade doors, glazing, ceiling systems, fasteners and fittings, mechanical systems and electrical systems in accordance with the corresponding Harm Prevention requirements as listed in Appendix 1C [Minimum Room Requirements] and this Schedule.

5.11.1.2 Provide Vandal Resistant and Tamper Resistant features for all rooms and spaces as described in Appendix 1C [Minimum Room Requirements]. Vandal Resistant and Tamper Resistant features are not required for Back of House spaces that are only accessible by Staff through a secured or restricted corridor.

5.11.1.3 Provide an Anti-Barricade strategy for all rooms in which a Patient or Staff member may become barricaded in the room and as described in Appendix 1C [Minimum Room Requirements].

5.11.1.4 Anti-Barricade means a room is designed such that the occupant cannot cordon themselves within the space or that an occupant cannot collapse against a door and be barricaded within the space.

5.11.1.5 The application of Anti-Barricade requirements is described in the door hardware groups; refer to Section 6.8.8.2(17). The Authority considers the following as appropriate Anti-Barricade strategies unless noted otherwise:

5.11.1.5(1) Double action dual swing doors;

5.11.1.5(2) Doors that normally swing outward from the occupied space into the corridor or, in the case of Patient ensuite washrooms, swing outward into the Patient Room; and

5.11.1.5(3) Rooms provided with more than one door and have two points of egress.

5.11.1.6 Where two means of egress are required, the second means of egress will discharge into a General Circulation corridor, wherever possible.

5.11.1.7 Unless otherwise approved by the Authority through the Schedule 2 [Review Procedure], all fasteners and fittings in public areas and on the Facility exterior will be concealed type which meet the following requirements:

5.11.1.7(1) Once installed, only be removable by Staff with a special driver or tools; and

5.11.1.7(2) Resist vandalism or disassembly by public or Patients

5.12 Mobile Medical Unit

5.12.1 The Design-Builder will provide the infrastructure and support facilities set out below in order to accommodate the Authority's deployment of British Columbia's mobile medical unit (MMU) on the CMH Campus, as follows:

5.12.1.1 Provide one or more designated locations for the MMU deployment, meeting all of the following requirements:

5.12.1.1(1) Accommodating the physical clearances for setup of and access to the MMU at full deployment, consistent with Site footprint described in the MMU Facility Requirements: A Quick Reference Guide;

5.12.1.1(2) Complying with all fire safety regulations, including fire lane access, exit door clearances and muster station provision;

5.12.1.1(3) Supporting ease of manoeuvrability and positioning, unencumbered by curves in roadways and insufficient clearance caused by trees, overhangs or other obstacles;

5.12.1.1(4) Located such that the MMU does not adversely affect access for ambulances and other emergency and transport vehicles to and within the CMH Campus;

5.12.1.1(5) Accessible to fuel and waste trucks that service the MMU up to four (4) times a day while minimizingdisruption to traffic flow;

5.12.1.1(6) Located in close proximity to the ED entrance;

5.12.1.1(7) Located in close proximity to washrooms within the Existing Hospital or Facility for use by Staff and ambulatory Patients;

5.12.1.1(8) Providing a means for Staff to:

5.12.1.1(8)(a) Notify CMH switchboard through the Authority 7111 stat call in the event of a:

(a).1 CMH Code Red Procedure for a Code Red team response;

(a).2 CMH Code White Procedure for a Code White team response;

(a).3 CMH Code Blue Procedure for a Code Blue team response;

(a).4 CMH Code Green Procedure for a Code Green team response; and

(a).5 CMH Code Black Procedure for a Code Black team response.

5.12.1.1(8)(b) Notify the fire department in the event of a CMH Code Red Procedure.

5.13 Biohazardous Waste Freezer

5.13.1 The Design-Builder relocate the existing biohazardous waste freezer adjacent to the Authority's recycling and waste contains located near the existing loading dock on

Level 0. The exact location will be determined in consultation with the Authority and provide Convenient Access for service vehicles.

5.13.1.1 Provide all services required for the complete installation of the relocated freezer including power, concrete housekeeping pads, bollards and pavement markings.

5.13.2 The existing biohazardous waste freezer has an associated indoor storage room located within the Existing Hospital on Level 1. The Design-Builder will be responsible for the relocation of this space to Level 0 at a location that provides Staff with Convenient Access to the relocated freezer, as reviewed in consultation with the Authority.

5.13.2.1 The relocated indoor storage room for the biohazardous waste freezer will meet the room requirements set out for A6.4 Housekeeping Room in Appendix 1C [Minimum Room Requirements], with the addition or amendment of the requirements as specified below, or as otherwise agreed with the Authority:

5.13.2.1(1) Mechanical systems and fixtures:

5.13.2.1(1)(a) Minimum 10 air changes per hour;

5.13.2.1(1)(b) Temperature maintained between 18 and 20 degrees Celsius;

5.13.2.1(1)(c) Stainless steel hand hygiene sink;

5.13.2.1(1)(d) Floor drain not required; and

5.13.2.1(1)(e) RPBD-protected water supply for detergent dispenser;

5.13.2.1(2) Electrical and technology infrastructure and features:

5.13.2.1(2)(a) Minimum of two additional 120 V 15 A receptacles;

5.13.2.1(2)(b) Room lighting at 200 lux; and

5.13.2.1(2)(c) IMIT systems not required.

5.14 Covered Service Entrance

5.14.1.1 The Design-Builder will provide a covered service entrance at Level 0 with one (1) loading space that provides Convenient Access to the Patient Transfer/Staff Service Elevators and Pharmacy for delivery of supplies.

5.14.1.2 Loading space will be fully protected from the elements and a minimum of 11 metres in length and 3.7 metres in width and have a vertical clearance of 4.3 metres.

5.15 Washroom and Shower Design

5.15.1 Washroom Requirements

5.15.1.1 Refer to Sections 7.3.3.1(3) and 7.3.3.1(10) of this Schedule 1, as well as Appendix 1H [Staff Safety Guidelines for Healthcare Facilities], table 5.2, for water closet fixture clearances.

5.15.2 Shower Requirements

5.15.2.1 Where Patient showers are required in Appendix 1A [Clinical Specifications and Functional Space Requirements], they will:

5.15.2.1(1) have a seamless transition from level to sloped floor (no floor lip);

5.15.2.1(2) have a floor sloped to a drain in the shower area;

5.15.2.1(3) have a minimum dimension of 1000 mm x 1500 mm;

5.15.2.1(4) be designed with a path for wheelchair travel to all other washroom fixtures that can be navigated with minimal crossing over the area of sloped floor; and

5.15.2.1(5) be equipped with grab bars to support at least 250 kg of downward force.

5.16 Safety Cabinet Storage Room

5.16.1 Room Requirements

5.16.1.1 Include in the Facility a separate enclosed Safety Cabinet Storage Room of minimum 9 NSM for the storage of the Authority's safety cabinet. Provide a sealed concrete floor, complete with rubber floor base, designed to resist the chemicals that the Authority intends to store, including 10% formalin, hydrogen chloride, methanol, ethyl alcohol and acetone. Provide wall protection on new and existing walls to protect them from potential chemical spills, to the full height of the wall behind the safety cabinet and to a height of 1350 mm AFF on all other walls. Walls and finishes will be non-combustible and chemical resistant. Provide a 1200 mm wide hollow metal door in accordance with the requirements set out in Section 6.8.4 Hollow Metal Doors and Frames. See Section 7.4.5.1(6) for the mechanical requirements for this room. Provide electrical power and lighting in accordance with the applicable codes and standards as set out in this Agreement.

PART 6. FACILITIES CONSTRUCTION SUBGROUP SPECIFICATIONS

6.1 Procurement and Contracting Requirements (Division 1) – NOT USED

6.2 Existing Conditions (Division 2)

6.2.1 Refer to the geotechnical report included under Site Report in Section 1.1 of the Agreement.

6.3 Concrete (Division 3)

6.3.1 General Requirements

6.3.1.1 Design and construct cast in place concrete of appropriate properties for the intended use in accordance with the requirements of all applicable codes and Specifications.

6.3.1.2 Design concrete for the applicable concrete exposure class.

6.3.1.3 Maximize the fly ash content of the mix consistent to ensure satisfactory concrete performance properties. All cast in place concrete will be placed, consolidated and finished by a competent tradesman holding a Certificate of Qualification awarded by B.C. Industry Training Authority or acceptable alternative as reviewed by the Authority. All precast concrete elements will be supplied from a precast concrete plant certified to Canadian Precast Concrete Quality Assurance (CPCQA) Certification Program.

6.3.2 Design and Performance Requirements

6.3.2.1 Inspect and test cast in place concrete and concrete materials through a CSA certified testing laboratory in accordance with CAN/CSA A23.1. Comply with CAN/CSA A23.2 for Non-Destructive Methods for Testing Concrete.

6.3.2.2 Ensure inspection and testing of precast concrete materials and workmanship by the precast concrete contractor as part of its quality control program in accordance with all applicable Standards. Maintain plant records and ensure quality control as required by CSA A251 and in accordance with this Agreement.

6.3.2.3 Finish concrete floors with a smooth, dense, steel trowel finish with a Class B Levelness and Flatness Classification in accordance with CAN/CSA A23.1/A23.2, except where stricter requirements are needed to suit the proposed occupancy or equipment that will be located in the space. Do not use overlay toppings to level floors.

6.3.2.4 Repair cracks in concrete floors and walls to suit the floor finish and long-term serviceability requirements of the floor.

6.3.2.5 Waterproof all foundation walls below grade to prevent groundwater ingress. Use purpose-made water stops in construction joints.

6.3.2.6 Comply with CAN/CSA A23.1/A23.2 to minimize honey combing or patching in exposed Architectural Concrete. Honeycombing and bug holes will be repaired immediately under the direction of Design-Builder's structural engineer-of-record.

6.3.2.7 Provide Architectural Concrete for exposed concrete in areas used by Staff, Patients or public.

6.3.2.8 Architectural Concrete will have smooth and flat surface of uniform colour including sealer throughout and anti-graffiti coating applied to a minimum height of 2400 mm above finished ground or AFF, or to the next logical breakpoint in the material above that height, and wherever in potential contact with human touch.

6.3.2.9 Provide vapour barrier under slabs-on-grade in the form of continuous, cross-linked, minimum 10 mil sheets with a water vapor transmission rate of less than 0.008 perms.

6.3.2.10 See Section 6.5.2 for concrete topping on metal deck requirements.

6.3.2.11 Where no applied finish is required, seal concrete surfaces to resist penetration and staining from food products, bodily fluids, cleaning compounds, etc. Apply sealers in accordance with manufacturer's recommendations.

6.3.2.12 Where floor drains are required, design and construct floors with minimum slope to drain of 2% (1:50) for 1200 mm in all directions to prevent ponding of water or other fluids, unless otherwise determined in consultation with the Authority in accordance with Schedule 2 [Review Procedure].

6.3.3 Precast Architectural Concrete Veneer

6.3.3.1 General Requirements

6.3.3.2 Provide thin veneer precast Architectural Concrete panels reinforced with stainless steel prestressed tendons mounted in a back ventilated system meeting the requirements of a Rain Screen Wall.

6.3.3.3 The design Standards for the precast concrete veneer will include:

6.3.3.3(1) PCI MNL 117: Prestressed Concrete Institute Manual for Quality Control for Plants and Production of Architectural Precast Concrete Products.

6.3.3.3(2) CSA A23.1/A23.2: Concrete materials and methods of concrete construction/Test methods and standard practices for concrete

6.3.3.3(3) CPCI (Canadian Precast / Prestressed Concrete Institute) - Architectural Precast Concrete Technical Guide.

6.3.3.4 The precast concrete will conform to the following design criteria:

6.3.3.4(1) Concrete

6.3.3.4(1)(a) Compressive strength: 35 MPa at 28 days;

6.3.3.4(1)(b) Entrained air: 5-8% as per ACI 318;

6.3.3.4(1)(c) Aggregates: ASTM C33;

6.3.3.4(1)(d) Cement: ASTM C150 and CSA-A3000;

6.3.3.4(1)(e) Air entraining admixtures: ASTM C260; and

6.3.3.4(1)(f) Color pigments: ASTM C979, inorganic natural iron oxide pigments.

6.3.3.4(2) Reinforcement

6.3.3.4(2)(a) Type 316 stainless steel prestressing tendons ASTM A492, ASTM A240 and Federal Standard RR-W-410D.

6.3.3.4(3) Embeds

6.3.3.4(3)(a) Type 316 stainless steel ASTM A240.

6.3.3.4(4) Rain Screen Wall attachment

6.3.3.4(4)(a) Furring, Clips, Brackets: G90 Galvanized Sheet per ASTM A653

6.3.3.4(4)(b) Fasteners: 300 series stainless steel

6.3.3.4(4)(c) Ventilated cavity depth: 20mm

6.3.3.5 Acceptable manufacturers: Knife River, Enterprise Precast, Encon, Gage Brothers or acceptable alternative as approved by the Authority. The basis of design will be ARCIS panel by Altusgroup.

6.4 Masonry (Division 4)

6.4.1 Basic Requirements

6.4.1.1 Masonry will meet or exceeds current Canadian Standards and practices as set out in this Section, may be considered for building elements and systems.

6.4.1.2 Masonry will comply with all applicable codes and Standards including CSA S304, CSA A371, the BCBC, and the Standards listed in Section 2.2 Standards and Guidelines.

6.4.1.3 Masonry construction may be considered for exterior walls and walls systems where permanence of finishes, both visually and functionally, and ease of maintenance are primary considerations in the exterior fabric of the Facility.

6.4.1.4 Masonry construction may be considered for interior walls and wall systems when priorities include permanence and maintenance, sound transmission control, fire resistance and separation requirements and security.

6.4.1.5 Face work will be laid plumb and true with all joints consistent in both width and colour.

6.4.1.6 Provide masonry sealers to all exterior masonry.

6.4.2 Concrete Masonry Units

6.4.2.1 Concrete unit masonry may be considered for both independent exterior walls and in exterior wall systems as a structural backing to other finish materials or systems.

6.4.2.2 Concrete unit masonry for interior applications may be considered as an integrally finished material, as a base for applied finish and as a structural backing to other finish systems.

6.4.2.3 Painted or unpainted concrete unit masonry will not be used as an exposed finish in clinical or public areas.

6.4.2.4 Where concrete unit masonry is used as the exposed finish all exposed corners will be radiused.

6.4.2.5 Masonry will comply with Canadian Masonry Contractors Association (CMCA) Masonry Practices Manual, CSA-S304, and all applicable Standards including CSA-A371.

6.4.3 Brick Masonry

6.4.3.1 Exterior wall systems comprising brick masonry as a finish veneer to concrete, concrete masonry or metal framing will be a Rain Screen Wall system. Exterior brick veneer cladding support will be designed as a complete system to include all loading and attachments to all structural components including adjacent concrete, miscellaneous steel, load bearing steel stud framing, lateral bracing and brick ties and will be carried out by a qualified Professional Engineer. Installations will be field reviewed by the design engineer.

6.4.3.2 Brick masonry below grade for exterior applications is not permitted.

6.4.3.3 Brick masonry in interior applications will have integral finish and construction compatible with the Authority’s infection prevention and control requirements.

6.4.4 Stone Masonry

6.4.4.1 Stone masonry may be considered as a finish veneer to concrete walls or concrete masonry walls. Exterior wall systems in such applications will be a Rain Screen Wall system approved by NRCC. Provide for drainage of water entering envelope cavity wall system.

6.4.4.2 Stone will be sound, hard and durable, well-seasoned and of uniform strength, colour and texture, and free of quarry sap, flaws, seams, sand holes, iron pyrites or other mineral or organic defects.30 mm minimum thickness.

6.4.4.3 Manufactured stone products will not be used.

6.4.4.4 Stone masonry will be designed for maximum deflection of L/360 of assembly's clear span.

6.4.4.5 Stone masonry installation will conform to CSA S304 and CSA A371.

6.4.4.6 Seismic performance will conform with CAN/CSA S832 and BCBC.

6.4.4.7 Stone anchors will conform to CSA A370. Dowels will be stainless steel, ASTM A276, Type 304. Fasteners for anchors will be stainless steel bolts ASTM F593.

6.4.4.7(1) Provide thermally-broken sub-girts.

6.4.4.8 Provide water repellant coating comprising of modified silane/siloxane monomers and polymers in a clear penetrating sealer conforming to ASTM E-514.

6.4.4.9 Provide anti-graffiti coatings as required, including to a minimum height of 2400 mm above finished ground or AFF, or to the next logical breakpoint in the material above that height.

6.5 Metals (Division 5)

6.5.1 Basic Requirements

6.5.1.1 Provide structural steel, steel deck, miscellaneous metal fabrications, and cold-formed steel studs as set out in this Section.

6.5.1.2 The Design-Builder may use load bearing steel studs as a component of the exterior wall systems to support exterior wall finishes and form an integral part of the perimeter envelope.

6.5.1.3 Load bearing steel studs will be independent of the principal structural system.

6.5.2 Performance Requirements

6.5.2.1 Design structural steel, steel deck, and cold-formed steel stud systems to comply with the deflection and vibration criteria set out in Section 5.9.

6.5.2.2 Erection tolerances for steel construction will be in accordance with CSA S16 Section 29.3.

6.5.2.3 Concrete topping slabs will be finished with a smooth, dense, steel trowel finish with a Class A Flatness Classification in accordance with CSA A23.1. Thin overlay toppings to level floors will not be used to level floors.

6.5.2.4 Steel floor and roof construction will be designed to account for the deflection of steel beams, joists, and girders due to the wet weight of concrete topping slabs. Floor levelness tolerances will be maintained. The Design of the structure will account for the additional concrete ponding weight.

6.5.2.5 The Design-Builder will monitor curing of concrete topping slabs on steel deck and will ensure crack control of such slabs to avoid random surface shrinkage cracking and radial cracking around re-entrant corners. At minimum, Design-Builder will implement the following details and procedures:

6.5.2.5(1) Minimize wet weight deflections of steel decking and supporting structure;

6.5.2.5(2) Place concrete in alternate bays. Avoid placing large areas at one time;

6.5.2.5(3) Use concrete topping with a low design slump. Add superplasticizer to increase slump for placing and finishing;

6.5.2.5(4) Provide extra topping slab reinforcement around openings, columns, and at corners;

6.5.2.5(5) Reinforce topping slabs with a minimum 10 m at 300 mm centres each way chaired a minimum 20 mm above steel deck;

6.5.2.5(6) Avoid placing topping slabs on hot or windy days;

6.5.2.5(7) Wet cure topping slab for a minimum of three days using soaked burlap covered with polyethylene or similar methods;

6.5.2.5(8) Use 14 mm or larger aggregate topping mix;

6.5.2.5(9) Provide extra topping slab reinforcement around openings, columns, and at corners, over beams;

6.5.2.5(10) Wet cure topping slabs for a minimum of three days using soaked burlap covered with polyethylene or similar methods.

6.5.2.6 Cracks in concrete topping slabs will be repaired to suit the floor finish and long-term serviceability requirements of the floor

6.5.2.7 Steel floor/roof decking will be wide rib profile for ease of attachment of current and future services, equipment, and fixtures using drilled insert expansion anchors into the bottom of the deck ribs

6.5.2.8 Steel floor/roof decking plus the concrete topping slab thickness will satisfy the requirements of a rated assembly meeting code and durability requirements.

6.5.2.9 Use a CSA certified testing laboratory to provide quality assurance testing and monitoring of workmanship using testing procedures specified in the CAN/CSA Standards listed in Section 2.2 of this Schedule to verify soundness of representative shop and field welds.

6.5.2.10 All welding will be performed by welders certified by the Canadian Welding bureau to the requirements of CAN/CSA W47.1. Design-Builder will provide certification that all welders comply with this requirement, if requested by the Authority.

6.5.2.11 Not used.

6.5.3 Load-Bearing Steel Studs

6.5.3.1 Design, detail and construct load bearing steel stud Design and Construction to comply with all applicable CAN/CSA Standards.

6.5.3.2 Ensure all load bearing steel stud construction is designed by a Professional Engineer.

6.5.3.3 Ensure the steel stud manufacturer is certified in accordance with CSSBI Standard 30M06 and all applicable CAN/CSA Standards.

6.5.3.4 Conform to the Association of Wall and Ceiling Contractor’s Specification Standards Manual (AWCC).

6.5.3.5 Limit maximum deflection under specified wind loads to L/360 (L/720 for masonry veneers), unless a smaller maximum deflection is specifically required due to wall finishes.

6.5.3.6 Design components to accommodate erection tolerances of the structure.

6.5.3.7 Design wind bearing stud end connections to accommodate floor/roof deflections and to ensure that studs are not loaded axially.

6.5.3.8 Design steel studs to consider the anchorage of other materials being supported including sub-girts supporting metal cladding and composite panels, soffit finishes and the provision of lateral support at window heads.

6.5.3.9 Provide appropriate firestopping at all penetrations through fire-rated assemblies in conformance to the BCBC and BC Fire Code.

6.5.3.10 Design all guardrails and handrails to their usage classification and in accordance with applicable Codes.

6.5.3.11 Provide a durable painted finish for steel guardrails.

6.5.3.12 Provide a manufactured pre-finish for stainless steel or aluminum guardrails, if used.

6.5.4 Structural Steel

6.5.4.1 Quality Requirements

6.5.4.1(1) Quality assurance testing and monitoring of workmanship will be carried out by an approved testing laboratory using testing procedures as specified in the CAN/CSA Standards listed in Section 2.2 of this Schedule, including CSA S16, to verify soundness of representative shop and field welds. Test all full-strength welds.

6.5.4.1(2) Material quality including sourcing and welding quality will be monitored by an independent testing agency paid by the Design-Builder.

6.5.4.1(3) The specification for preparation and painting of Structural Steel components will conform to the Master Painters Institute (MPI) Standards.

6.5.4.1(4) Exterior exposed structural steel will be hot dipped galvanized to 600 g/m2.

6.5.5 Cold-Formed Metal Framing

6.5.5.1 Overriding Principles

6.5.5.1(1) Load bearing and non-load bearing steel studs may be considered as a component of the exterior wall systems to support exterior wall finishes and form an integral part of the perimeter envelope.

6.5.5.1(2) Rain Screen walls utilizing cold-formed metal framing will be non-load bearing.

6.5.5.1(3) Load bearing steel studs will be independent of the principle structural system.

6.5.5.1(4) Utilize cold-formed metal framing systems as part of Rain Screen systems, including tested air barrier assemblies.

6.5.5.2 Quality Requirements

6.5.5.2(1) Cold-formed metal framing Design will be carried out by a Professional Engineer; Construction will comply with CSA-S136 North American Specification for Design of Cold Formed Steel Structural Members.

6.5.5.2(2) The steel stud manufacturer will be certified in accordance with CSSBI 30M Standard for Steel Building Systems and all applicable CAN/CSA Standards including CSA A660 Certification of Manufacturers of Steel Building Systems.

6.5.5.2(3) Conform to the Association of Wall and Ceiling Contractor's Specification Standards Manual (AWCC).

6.5.5.3 Performance Requirements

6.5.5.3(1) Limit maximum deflection under specified wind loads to L/360, unless a smaller maximum deflection is specifically required due to wall finishes.

6.5.5.3(2) Design components to accommodate erection tolerances of the structure.

6.5.5.3(3) Design wind bearing stud end connections to accommodate floor/roof deflections and to ensure that studs are not loaded axially.

6.5.5.3(4) Design steel studs to take into account the anchorage of other materials being supported including sub-girts supporting metal cladding and composite panels, soffit finishes and the provision of lateral support at window heads.

6.5.5.3(5) Where studs complying with ASTM C645 are used to receive ARGWB or IRGWB panels, they will not be less than 0.0312 in (0.792 mm) design thickness and will be in accordance with Sections 4.3 and 8.1 of Specification ASTM C645. Verify that walls subject to these requirements comply with Appendix 1D [Acoustic and Noise Control Measures].

6.5.6 Miscellaneous Metals

6.5.6.1 Basic Requirements:

6.5.6.1(1) Provide continuous raised steel rails along the floor, corner guards and bumpers constructed of extra heavy-duty steel angles and plates to protect the Back of House corridors where wheeled dollies, pallet jacks, and tow motor traffic are anticipated including E4 - Work Support Area listed in Appendix 1A [Clinical Specifications and Functional Space Requirements]

6.5.6.1(1)(a) Paint all steel rails, corner guards and bumpers in hazard yellow or as otherwise required by the Authority.

6.5.6.2 Quality Requirements:

6.5.6.2(1) Primers and paints of miscellaneous metals will conform to MPI Architectural Specification Standards Manual.

6.5.6.2(2) Exterior elements will be hot-dipped galvanized with 600 g/m2 to CAN/CSA G164 Hot Dip Galvanizing of Irregularly Shaped Articles and, where visible to the public and Patients, painted with either a quality two-part epoxy paint system with one coat epoxy zinc rich primer, one coat high build epoxy coating and two coats of polyurethane coating or, where feasible, a powder coating, or as otherwise determined in consultation with the Authority.

6.5.6.3 Performance Requirements:

6.5.6.3(1) Welding will be in accordance with CSA W59-13 Welded Steel Construction (Metal Arc Welding).

6.5.7 Metal Fabrications

6.5.7.1 Provide all shop fabricated stainless steel items, including:

6.5.7.1(1) Countertops;

6.5.7.1(2) Wall panels with access doors including wall panels as infill between equipment with piano hinged doors;

6.5.7.1(3) Integral sinks, counters, removable under-counter shelves, backsplash and skirt; and

6.5.7.1(4) Exhaust hoods as required

6.5.7.2 Stainless Steel Sinks, Counters and Assemblies

6.5.7.2(1) Provide all sinks and accessories in accordance with Appendix 1C [Minimum Room Requirements] and to meet the Authority's functional and operational requirements as described in this Schedule including Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.5.7.2(2) Provide stainless steel integral sinks for all utility sinks in stainless steel countertops.

6.5.7.3 Stainless Steel Workbenches, Countertops and other Millwork

6.5.7.3(1) Provide stainless steel countertops designed to withstand minimum 100 kg (200 lbs) point load.

6.5.7.3(2) Fabrication tolerances for stainless steel are as follows unless otherwise noted:

6.5.7.3(2)(a) Squareness: 3 mm maximum difference in diagonal measurements;

6.5.7.3(2)(b) Maximum offset between faces: 1.5 mm;

6.5.7.3(2)(c) Maximum misalignment of adjacent members: 1.5 mm;

6.5.7.3(2)(d) Maximum bow: 3 mm in 1.2 m; and

6.5.7.3(2)(e) Maximum deviation from plane: 1.5 mm in 1.2 m.

6.5.7.3(3) Provide stainless steel countertops and other stainless steel Millwork at minimum to meet the requirements of Appendix 1C [Minimum Room Requirements] as calculated in accordance with Attachment 1 [Millwork and Modular Casework Methodology Diagram] to that appendix.

6.5.7.4 Stainless Steel Pass Through Windows/Cabinet

6.5.7.4(1) Provide stainless steel, fully welded body, bio-designed pass-through windows in the following areas:

6.5.7.4(1)(a) Between Sterile Chemo Prep and the IV Prep Room

6.5.7.4(1)(b) Between Sterile IV Admixture and the IV Prep Room

6.5.7.4(1)(c) Not Used

6.5.7.4(2) Pass through windows will include:

6.5.7.4(2)(a) Manual sliding windows;

6.5.7.4(2)(b) Continuous set down;

6.5.7.4(2)(c) Dimension of window frames will be as determined in consultation with the Authority;

6.5.7.4(2)(d) Stainless steel doors in heavy-duty stainless steel frames, with continuous stainless steel hinges;

6.5.7.4(2)(e) Tempered safety glass viewing windows;

6.5.7.4(2)(f) Stainless steel over-centre compression latches;

6.5.7.4(2)(g) Silicone bulb gaskets;

6.5.7.4(2)(h) Double wall construction with built-in mechanical interlock; and

6.5.7.4(2)(i) Facilitates cleaning.

6.5.7.5 Stainless Steel Material Requirements

6.5.7.5(1) Provide stainless steel meeting the following requirements:

6.5.7.5(1)(a) Provide highest architectural quality in various forms, straight and true;

6.5.7.5(1)(b) Scratches, scars, creases, buckles, ripples or chatter marks will not be accepted;

6.5.7.5(1)(c) Finished surfaces exposed to view will be free of pitting, seam marks, roller marks, oil canning, stains, discolorations or other imperfections;

6.5.7.5(1)(d) Provide finish surfaces suitable for polishing, where required;

6.5.7.5(1)(e) Sheet, Strip, Plate and Flat Bar: ASTM A666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar, 304 grade stainless steel; and

6.5.7.5(1)(f) Nuts, Bolts, Screws, Washers and Other Fastenings: 304 grade stainless steel.

6.5.7.5(2) Stainless steel countertops will meet the following requirements:

6.5.7.5(2)(a) Comply with ASTM A167 Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip;

6.5.7.5(2)(b) Provide minimum 1.52 mm thick, 316 grade, No. 4 Satin Finish 1 side, 180 grid finish. Ensure direction of grain matches throughout units;

6.5.7.5(2)(c) Provide sound-deadened tops reinforced with waterproof plywood core, bonded to tops with waterproof contact cement. Seal underside of top (plywood core) with a waterproof finish;

6.5.7.5(2)(d) Provide marine edge unless otherwise noted or required by the Authority;

6.5.7.5(2)(e) Provide a formed backsplash as an integral part of the counter tops, radiused where the backsplash occurs;

6.5.7.5(2)(f) Bond all backsplashes to marine-grade plywood core, bonded the same as specified for the tops;

6.5.7.5(2)(g) Fabricate countertops, backsplash, and front aprons out of one piece of stainless steel; and

6.5.7.5(2)(h) Weld counter and sink assemblies into single units without seams or joints. Drill backsplash, tops and sinks to receive plumbing and electrical fittings.

6.5.7.5(3) Stainless steel sinks will meet the following requirements:

6.5.7.5(3)(a) Comply with ASTM A167 Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip;

6.5.7.5(3)(b) Provide minimum 1.9 mm thick, 316 grade, No. 4 Satin Finish 1 side, 180 grid finish. Ensure direction of grain matches throughout units;

6.5.7.5(3)(c) Provide integrally formed sinks with all-welded, rounded corners having minimum 25 mm radius, seamless construction, and ground, polished with all traces of welding removed; and

6.5.7.5(3)(d) Joints and welds will be polished to a uniform No. 4 satin finish.

6.5.7.5(3)(e) Provide sinks with drain outlets with removable stainless-steel strainer.

6.6 Wood Plastics and Composites (including Millwork) (Division 6)

6.6.1 Basic Requirements

6.6.1.1 Provide all rough carpentry, wood backing materials, backing boards for mechanical rooms and electrical/Telecommunication Rooms (minimum 2400 mm AFF), roof sheathing, copings, cant strips, finish carpentry and architectural woodwork, including exterior fascias, cabinets, casework, frames, panelling, ceiling battens, trim, installation of doors and hardware, and other wood-related products and applications as required:

6.6.1.1(1) To meet the requirements of this Schedule, support functionality as defined in Appendix 1A [Clinical Specifications and Functional

Space Requirements] and as required by the Authority for operation of the Facility; and

6.6.1.1(2) For wood products exposed to view in finished interior and exterior installations.

6.6.1.2 Provide acrylic plastic, stainless steel or epoxy products as required for wall cladding, wall protection, corner protection, casework finishing, trims, ornamental elements, and other applications to achieve a quality of interior finish suitable for use by Patients and Staff.

6.6.1.3 For areas requiring mail slots, provide number of mail slots reasonably anticipated to serve projected volumes of Staff.

6.6.1.4 Use pressure treated wood for exterior exposed wood.

6.6.1.5 Do not use products containing added urea formaldehyde in the Facility.

6.6.1.6 The use of wood products, such as particle board, or laminating adhesives made with formaldehyde-based resins and binders is not acceptable.

6.6.2 Performance Requirements

6.6.2.1 Conform to Architectural Woodwork Standards, First Edition, as issued by Architectural Woodwork Manufacturer's Association of Canada (AWMAC). Typically comply with Quality Standards Manual for minimum "Custom Grade," and Door and Hardware Institute (DHI) Standards for the Design, fabrication, materials, installation, and workmanship of finish carpentry and architectural woodwork;

6.6.2.2 Comply with the applicable requirements of the targeted categories of LEED Indoor Environmental Quality, Low-Emitting Materials credit;

6.6.2.3 Provide adhesives that are non-toxic, low VOC, and use non-solvent glue complying with AWMAC Quality Standards Manual, Canadian Eco-Logo program, and LEED Indoor Environmental Quality, Low-Emitting Materials credit requirements;

6.6.2.4 Finish all exposed wood products on the interior of the Facility, including all wood surfaces and edges, to meet infection control requirements.

6.6.2.5 Provide seismic anchorage on all cabinets and shelving over 1200 mm high or where units are likely to be a hazard from overturning.

6.6.3 Architectural Millwork and Modular Casework

6.6.3.1 Quantity Requirements

6.6.3.1(1) The Design-Builder will provide Millwork and Modular Casework for the Facility in accordance with the Millwork types, category and

minimum length dimensions set out in Appendix 1C [Minimum Room Requirements] or as otherwise required to meet the functional and operational requirements of the Authority as described in this Schedule, including Appendix 1A [Clinical Specifications and Functional Space Requirements]. Final Millwork requirements will be determined in consultation with the Authority based on the Design in accordance with Schedule 2 [Review Procedure].

6.6.3.1(2) The category is calculated based on the amount of Millwork or Modular Casework in the space expressed as a percentage of the total NSM program area of that space.

6.6.3.1(3) Regardless of whether the Millwork or Modular Casework is floor mounted or wall mounted, the amount will be calculated as the horizontal area footprint projected onto the total floor area. Refer to Millwork and Modular Casework Methodology Diagram, Attachment 1 to Appendix 1C [Minimum Room Requirements].

6.6.3.1(4) The Millwork category and minimum length dimensions provided in the Appendix 1C [Minimum Room Requirements] are intended to describe the minimum requirements and will be increased as required to accommodate the equipment listed in Appendix 1J [Equipment List] and to accommodate the functionality requirements of the Authority as described in Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.6.3.1(5) The quantity requirement corresponding to the greater of the category and the minimum length dimension provided in Appendix 1C [Minimum Room Requirements] will govern.

6.6.3.2 Basic Requirements

6.6.3.2(1) The Design-Builder will provide Millwork and Modular Casework in the quantities, dimensions, design and layout, including heights, spacing of drawers, doors, cupboards and openings, to meet the functional requirements of the Authority, including Section 5.7.1 Infection Control.

6.6.3.2(2) Where upper and/or lower cupboards are indicated in Appendix 1C [Minimum Room Requirements], provide the same minimum length of cupboards to match the counter length. Exact length, number and spacing of drawers, doors, openings and locking requirements will be as required to suit the operational and clinical functions of the space.

6.6.3.2(3) The Design-Builder may use Modular Casework to satisfy the requirements of Millwork, provided that it meets the functionality requirements of the Authority as described in the Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.6.3.2(4) Where Modular Casework has been identified as required by a check mark in Appendix 1C [Minimum Room Requirements], the Design-Builder will provide a Modular Casework solution in lieu of Millwork, as required to allow proper function and operation in that room or area.

6.6.3.2(5) At all upper cabinets or cupboards, provide either GWB bulkhead or matching Millwork panel extended full height to the underside of the ceiling to close in the top of the unit.

6.6.3.2(6) Provide upper and/or lower cupboards designed to fit binders stacked vertically.

6.6.3.2(7) Provide upper and/or lower cupboards with sliding doors where required.

6.6.3.2(8) The Design-Builder will incorporate multifunctional printers and scanners into the Millwork or Modular Casework Design by providing counters placed at an ergonomically appropriate height upon which to set the printer, such that Staff can easily reach the device without the use of steps.

6.6.3.2(9) In addition to the requirements set out in Appendix 1C [Minimum Room Requirements], provide for A4.9 Satellite Lab Work Area a pull-out shelf for a label printer. Design and construct the shelf such that it is integrated beneath the standing-height workstation surface and when pulled out allows complete access to the top of the label printer.

6.6.3.3 Performance Requirements

6.6.3.3(1) All bottoms of sink cabinet boxes and areas that may come into contact with water will have a marine-grade plywood substrate. Do not use fibreboard or particle board.

6.6.3.3(2) Use marine-grade plywood substrate for countertops. Do not use fibreboard or particle board. Where appropriate, provide support brackets (knee bracing) to support countertops throughout the Facility. Do not support countertops with legs extending to the floor.

6.6.3.3(3) For Millwork cabinets, seal all wood surfaces and edges. All door, drawer and other exposed Millwork edges will have applied a minimum 3 mm PVC edge strip, heat applied. All PVC edging to

match tone of adjacent Millwork. There will be no edge conditions where plastic laminate abuts plastic laminate.

6.6.3.3(4) All composite wood products and laminating adhesives used in the Millwork will not contain added urea-formaldehyde resins.

6.6.3.3(5) Adhesives will be non-toxic, low VOC, non-solvent glue to comply with AWMAC Quality Standards Manual, Canadian Eco-Logo program, and LEED Indoor Environmental Quality, Low-Emitting Materials credit requirements LEED credit 4.

6.6.3.3(6) Provide a Millwork base equal to the height of the flash cove flooring for flash cove flooring to return up at all floor-mounted lower cabinet locations.

6.6.3.3(7) Provide built-in valance lighting underneath upper cupboards, except in locations where ceiling pot lights are determined to be acceptable to the Authority.

6.6.3.4 Coordination with Systems and Services

6.6.3.4(1) Incorporate all required mechanical, electrical and communication services into the Millwork and Modular Casework so that wires, cords, vents and pipes are hidden from view.

6.6.3.4(2) The Design-Builder is responsible for coordination of all fixtures, including plumbing, to be provided.

6.6.3.4(3) For locations where countertops, workbenches or workstations are flush to the wall, provide means for cord management through and under the work surface.

6.6.3.4(4) The Design-Builder is responsible for coordination of all fixtures, including plumbing, to be provided.

6.6.3.4(5) Provide access panels to all services to allow for future adjustment.

6.6.3.4(6) Coordinate Millwork with the equipment indicated in Appendix 1J [Equipment List].

6.6.3.5 Hardware Requirements

6.6.3.5(1) Cabinets will be provided with locks as indicated in Appendix 1C [Minimum Room Requirements] and to meet the requirements of the Authority.

6.6.3.5(2) All architectural woodwork hardware will be stainless steel of durable quality to meet the Standards of AINSI/BHMA grade 1 Cabinet Hardware.

6.6.3.6 Millwork Requirements

6.6.3.6(1) Provide Millwork that meets the following requirements:

6.6.3.6(1)(a) Core for doors will consist of plywood;

6.6.3.6(1)(b) Core for all other panel products will consist of hardwood plywood;

6.6.3.6(1)(c) Laminate grade will be general purpose grade, standard duty, and minimum 1.06 mm thick;

6.6.3.6(1)(d) Plastic laminate will be provided on both sides of doors and drawer fronts;

6.6.3.6(1)(e) Liner grade for semi-exposed parts will be minimum thickness of 0.76 mm, used on the following: semi-exposed shelves, interior portions of case bodies, all surfaces of drawer boxes;

6.6.3.6(1)(f) All surfaces and edges will meet infection control requirements as set out in Section 5.7.1;

6.6.3.6(1)(g) All cabinets will be flush overlay construction; and

6.6.3.6(1)(h) Sharp edges will not be exposed.

6.6.3.7 Modular Casework Requirements

6.6.3.7(1) Modular Casework will have the capability to be easily rearranged to change configuration or to include additional modules.

6.6.3.7(2) The Design-Builder will provide Modular Casework in the Components where activities and equipment include cleaning, processing, assembling, storing, balancing, researching, and preparation, and as indicated in Appendix 1C [Millwork and Modular Casework Matrix].

6.6.3.8 Solid Polymer Fabricated Surface Requirements

6.6.3.8(1) Provide solid polymer fabricated surfacing consisting of reacted monomers and resins, mineral fillers and pigments. For horizontal applications, use solid surfacing manufactured in sheets of 13 mm nominal thickness. For vertical applications, use solid surfacing manufactured in sheets of 6 mm nominal thickness.

6.6.3.8(2) Solid polymer fabricated surfacing will be:

6.6.3.8(2)(a) Solid, non-porous, impervious, homogeneous, hygienic, and renewable, featuring inconspicuous hygienic seams;

6.6.3.8(2)(b) Resistant to the caustic action of chemicals or agents used by the Authority;

6.6.3.8(2)(c) Free from conspicuous internal strengthening fibers; and

6.6.3.8(2)(d) Designed with sufficient strength for handling, placement and utilization stresses.

6.6.3.8(3) Provide solid polymer fabricated surfacing as indicated in Appendix 1C [Minimum Room Requirements], including:

6.6.3.8(3)(a) All counters that incorporate sinks, with the exception of counters required to be stainless steel or hardwood;

6.6.3.8(3)(b) Other areas as required to create surfaces having antiseptic or clean characteristics, exposed to special or regular maintenance, and providing resistance to caustic action of chemicals or agents used by the Authority.

6.6.3.8(4) Provide integral sinks of solid polymer fabricated surfacing for all utility sinks in solid polymer fabricated surfacing countertops.

6.6.3.8(5) Provide surfaces with:

6.6.3.8(5)(a) Uniform matte, satin, or gloss finish; and

6.6.3.8(5)(b) No sharp corners or exposed edges. Exposed top and bottom edges will be radiused minimum 7 mm. Outside corners will be radiused minimum 25 mm.

6.6.3.8(6) Provide solid surfacing with the following properties:

6.6.3.8(6)(a) Flexural Strength: ASTM D790, 68.9 kPa (10,000 psi);

6.6.3.8(6)(b) Abrasion Resistance: ANSI/IAPMO Z124.6, pass;

6.6.3.8(6)(c) Fungi Resistance: ASTM G21, rating 0 (no effect);

6.6.3.8(6)(d) Stain Resistance: ANSI/IAPMO Z124.6, pass; and

6.6.3.8(6)(e) Flame Spread Test: ASTM E84, 10 or less, Class A.

6.6.3.9 Plastic Laminate Countertops and Work Surface Requirements

6.6.3.9(1) For administrative areas without sinks, where stainless steel, solid polymer or other surface is not required by this Schedule, including as indicated in Appendix 1C [Minimum Room Requirements], provide plastic laminate countertops and work surfaces which meet the following requirements:

6.6.3.9(1)(a) High pressure plastic laminate: general purpose grade, standard duty, minimum 1.06 mm thick;

6.6.3.9(1)(b) Core: western softwood plywood in compliance with CSA 0151-M1978, good one side, solid two sides, for use as plastic laminate cores. Provide liner grade backer sheet to the underside of all countertops; and

6.6.3.9(1)(c) Countertops will be minimum 38 to 40 mm thick and have a continuous heat-applied PVC edge strip of the same thickness having a colour tone or wood grain appearance to match the adjacent countertop surface.

6.6.3.10 Workbench Countertops and Work Surface Requirements

6.6.3.10(1) Provide laboratory-grade plastic laminate or stainless steel countertops at workbenches, at minimum in the areas indicated in Appendix 1C [Minimum Room Requirements] and where otherwise required by the Authority to meet functional requirements.

6.6.3.10(2) Provide countertops at workbenches to meet the following requirements:

6.6.3.10(2)(a) Laboratory-grade plastic laminate countertop on a plywood substrate, as reviewed with the Authority; or

6.6.3.10(2)(b) Stainless steel countertop on a plywood substrate constructed in accordance with the requirements of Section 6.5.7.3.

6.6.3.11 Medication Room and Utility Room-Clean Requirements

6.6.3.11(1) The Design of the room will accommodate modular increments of the Authority's PAR wall storage system such that wall lengths accommodate efficient placement of PAR wall without wasted space.

6.6.3.11(2) Provide modular, standardized storage and stocking systems as required by the Authority to meet functional requirements. Install bin systems where required by Appendix 1J [Equipment List].

6.6.3.11(3) Design the storage and stocking system ergonomically based on the range of motion of Staff to provide easy access to medications, workstations and supplies.

6.6.3.11(4) Provide sufficient capacity in the storage and stocking systems to avoid overcrowding of medication stock and supplies.

6.6.3.11(5) Provide the ability for Staff to easily and safely locate medications and supplies.

6.6.3.11(6) For Medication Rooms, include the following features:

6.6.3.11(6)(a) Provide the ability to store medications at eye-level height.

6.6.3.11(6)(b) Provide the ability for medications to be arranged alphabetically by drug formulation.

6.6.3.11(6)(c) Provide the ability for high risk medications to be stored away and separately from other medications.

6.6.3.12 Standing Height Counter Millwork Requirements

6.6.3.12(1) At all care team stations and other standing height counters, the Design Builder will include Millwork that provides space for storage of carts and other equipment beneath the standing-height counter such that they can be recessed and kept out of the clear corridor width.

6.6.3.12(2) At care team stations, this Millwork will take the form of a standing-height documentation counter for Staff use on the public side of the care team station perimeter, with cart and other storage underneath, as required.

6.6.3.13 Pneumatic Tube Station Millwork Requirements

6.6.3.13(1) Provide pneumatic tube station Millwork as follows:

6.6.3.13(1)(a) Fully coordinate with the pneumatic tube manufacturer’s requirements to integrate PTS sending and receiving unit;

6.6.3.13(1)(b) Provide a wall recess for the tube station;

6.6.3.13(1)(c) Have directly adjacent a dedicated, standing height, minimum length 915 mm Millwork countertop with two (2) deep drawers below and storage for an anticipated six (6) carriers. Provide open shelving above the countertop for related items. See Appendix 1C

[Minimum Room Requirements] for additional Millwork requirements. The exact quantity of carriers and Millwork requirements will be determined by the Authority in accordance with Schedule 2 [Review Procedure].

6.6.3.14 Patient Wardrobe Millwork Requirements

6.6.3.14(1) Provide a Patient wardrobe cabinet for each bed in the Patient room in all Inpatient Units as follows:

6.6.3.14(1)(a) Minimum clear inside dimensions of approximately 825 mm - 850 mm W x 525 mm D x 1800 mm H and comes with hanging space, shelving and a keyless lockable cupboard for valuables. Rods or hooks will be Ligature Resistant, breakaway type, provided with an adjustable auto release to allow the load limit to be pre-set. Provide sloped top to minimize dust collection and aid cleaning;

6.6.3.14(1)(b) Provide fully sealed edges, reinforced joints and piano hinges for extra strength.

6.6.3.15 Packaging Machine Millwork Requirements

6.6.3.15(1) Provide a Millwork countertop in Workstation-Production Support for the packaging machine required in Appendix 1J [Equipment List] to ensure that the packaging machine is mounted in accordance with the manufacturer's specifications and sits at an ergonomic height for users in alignment with Appendix 1H [Staff Safety Guidelines For Interior Health / Northern Health Facility Design Projects].

6.7 Thermal and Moisture Protection (Division 7)

6.7.1 Basic Requirements

6.7.1.1 Design the building envelope to prevent ingress of water and moisture, control penetration of precipitation into assemblies, resist heat transfer, permit venting, control air leakage and vapour diffusion, and control condensation, so as to maintain interior space conditions, and prevent deterioration.

6.7.1.2 Mock-ups

6.7.1.2(1) Approximately two weeks prior to scheduled commencement of cladding installation and associated work, convene pre-installation meeting and mock-up at Site or at an off-premise facility to be located within the City as may be required by and at no expense to

the Authority. Cladding mock-up will be attended by the Authority and the Design-Builder, Design-Builder's Consultant, Building Envelope Consultant, cladding installer, representative of the cladding manufacturer, window manufacturer, window installer, and other representatives directly concerned with the performance of the work. Record discussions of conference and decisions and agreements or disagreements reached and furnish copy of record to each party attending. Submit to the Authority all building envelope test results, witnessed by the Building Envelope Consultant.

6.7.1.2(2) Physical mock-ups will include the following at a minimum:

6.7.1.2(2)(a) Wall assemblies for claddings included in the approved Design, including roof and parapet conditions;

6.7.1.2(2)(b) Intermediate exterior vertical and horizontal joints for dissimilar cladding or material interface;

6.7.1.2(2)(c) Interior and exterior Architectural Concrete walls; and

6.7.1.2(2)(d) Inside and outside exterior corner conditions.

6.7.1.3 Design foundation wall assemblies to prevent ingress of moisture into interior spaces with waterproofing system and perimeter drainage.

6.7.1.3(1) Not Used.

6.7.1.3(2) Not Used.

6.7.1.4 Provide fire-resistance rated construction for structure and exterior walls, and for fire separations: floors; interior walls; and partitions, as required by the BCBC, and minimize its impact on clinical adjacencies and flows.

6.7.1.5 Provide resistance to the propagation of fire on exterior walls and roofs, and in interior spaces as required by the BCBC.

6.7.2 Waterproofing

6.7.2.1 Provide waterproofing systems with perimeter drainage for foundation walls below grade to prevent moisture ingress to interior spaces, and protect structures as required in the building envelope design and as recommended in the geotechnical report.

6.7.2.1(1) Provide waterproofing system with a predicted service life of 50 years.

6.7.2.1(2) Provide 10 year manufacturer's warranty for the waterproofing membrane system.

6.7.2.1(3) Installation of waterproofing products to follow manufacturers' directions.

6.7.2.1(4) Acceptable liquid applied waterproofing membrane products and manufacturers:

6.7.2.1(4)(a) Colphene LM 300, by SOPREMA;

6.7.2.1(4)(b) TREMproof 260, TREMCO;

6.7.2.1(4)(c) Or acceptable alternative as approved by the Authority;

6.7.2.1(4)(d) Accessories from and/or approved by the selected manufacturer as required to complete the waterproofing system and for warranty will include:

(d).1 drainboard;

(d).2 sealant for mechanical and electrical penetrations.

6.7.2.1(5) Acceptable self-adhering waterproofing membrane products and manufacturers:

6.7.2.1(5)(a) Colphene 3000, by SOPREMA;

6.7.2.1(5)(b) Or acceptable alternative as approved by the Authority;

6.7.2.1(5)(c) Accessories from and/or approved by the selected manufacturer as required to complete the waterproofing system and for warranty will include:

(c).1 drainboard;

(c).2 sealant for mechanical and electrical penetrations.

6.7.2.1(6) Acceptable product for hydrophilic crystalline admixture and coating products and manufacturers to create waterproof concrete, inside sump pits and elevator hoistway pits:

6.7.2.1(6)(a) Kryton Internal Membrane (KIM), manufactured by Kryton International;

6.7.2.1(6)(b) Xypex Concentrate, coating product, by Xypex Chemical;

6.7.2.1(6)(c) Or acceptable alternative as approved by the Authority.

6.7.2.2 Not Used.

6.7.2.3 Not Used.

6.7.2.3(1) Not Used.

6.7.2.4 Dam the floor under key mechanical equipment in the mechanical penthouse, mechanical rooms and mechanical shafts with a continuous curb and waterproofing to contain the water. Provide floor drains.

6.7.3 Vapour Barriers

6.7.3.1 Control water vapour transmission in wall and roofing assemblies, and under concrete slabs-on-grade within the Facility by means of a continuous vapour barrier membrane:

6.7.3.1(1) Not Used.

6.7.3.1(2) Not Used.

6.7.3.1(3) Not Used.

6.7.3.1(4) Not Used.

6.7.3.2 Design the arrangement of thermal insulation, and of air and vapour barrier membranes in building envelope assemblies to prevent condensation where it will cause deterioration and/or will adversely affect use of the building or the health and safety of building users.

6.7.3.3 Vapour Barrier for interior sides of walls, if required:

6.7.3.3(1) Polyethylene Sheet/Film conforming to ASTM D4397-16 Standard Specification for Polyethylene Sheeting for Construction, Industrial, and Architectural Applications.

6.7.3.4 Vapour/Moisture Barrier for undersides of concrete slabs on grade:

6.7.3.4(1) Polyethylene Sheet/Film, minimum 0.38 mm (15 mil) thickness, for undersides of concrete slabs on grade, Class A, conforming to ASTM E1745-17 Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs.

6.7.3.4(1)(a) Water Vapour Permeance: ASTM F1249, not more than 0.6 ng/Pa-s-sq.m (0.01 perms);

6.7.3.4(1)(b) Puncture Resistance: ASTM D1709, not less than 3,200 grams; and

6.7.3.4(1)(c) Tensile Strength: ASTM D882, not less than 12.6kN/m (70lbf/in).

6.7.3.5 Vapour Barrier for roof assemblies, to be acceptable to RCABC for Warranty requirements:

6.7.3.5(1) Sopravap'r, by SOPREMA, composite SBS modified bitumen bonded to polyethylene laminate;

6.7.3.5(2) Or acceptable alternative as approved by the Authority.

6.7.4 Air Barriers

6.7.4.1 Provide air barrier membranes in exterior wall assemblies that:

6.7.4.1(1) control air leakage, exfiltration and infiltration;

6.7.4.1(2) permit venting (vapour permeable) where required;

6.7.4.1(3) control vapour diffusion where required;

6.7.4.1(4) prevent ingress of precipitation and moisture (water resistive) in rain screen assemblies; and

6.7.4.1(5) interface with other building envelope assemblies.

6.7.4.2 Acceptable self-adhering water resistive vapour permeable air barrier membranes and manufacturers:

6.7.4.2(1) Sopraseal Stick VP, by SOPREMA;

6.7.4.2(2) 3M Vapour Permeable Air Barrier 3015VP, by 3M Canada;

6.7.4.2(3) Blueskin VP 100, by HENRY;

6.7.4.2(4) Or acceptable alternative approved by the Authority.

6.7.4.3 Acceptable self-adhering water resistive air and vapour barrier membranes and manufacturers:

6.7.4.3(1) Sopraseal Stick 1100 T, by SOPREMA;

6.7.4.3(2) 3M Air Barrier 3015, by 3M Canada;

6.7.4.3(3) Blueskin SA LT, by HENRY;

6.7.4.3(4) Or acceptable alternative approved by the Authority.

6.7.5 Thermal Protection

6.7.5.1 Provide thermal insulation as part of the building envelope to prevent the transfer of heat both from the interior to the exterior and vice versa, depending on seasonal conditions, and to resist the absorption of water.

6.7.5.2 Use thermal protection materials of a type and quality that will provide consistent environmental quality to enclosed spaces.

6.7.5.3 Use foamed plastic insulation that is CFC-free and HCFC-free and in compliance with the Province of British Columbia Ozone Depleting Substances Regulations.

6.7.5.3(1) Acceptable products include: "Polar Foam PF-7300-0 Soya" by Polyurethane Foam Systems Inc., or "Walltite Eco v.2 by BASF Canada Inc., Type 3 air barrier CFC free or an acceptable alternative as reviewed by the Authority.

6.7.5.4 Extruded Polystyrene (Exterior Walls) will conform to CAN / ULC-S701, Type 2

6.7.5.4(1) Acceptable rigid, extruded, closed-cell polystyrene foam insulation as manufactured by Dow Chemical Canada ULC, or acceptable alternative as approved by the Authority.

6.7.5.5 Mineral wool insulation in fire rated assemblies will conform to the BCBC requirements for fire rated assemblies.

6.7.5.5(1) Acceptable mineral wool insulation includes Rockwool AFB by Rockwool or acceptable alternative as approved by the Authority.

6.7.5.6 Thermal Batt Insulation will conform to CAN / ULC-S702.

6.7.5.6(1) Acceptable manufacturer for thermal batt insulation includes Johns Manville International Canada Inc. or acceptable alternative as approved by the Authority.

6.7.5.7 Semi-rigid mineral fibre insulation may be used for vertical wall rainscreen applications.

6.7.5.7(1) Acceptable semi-rigid mineral fibre insulation includes Cavityrock by Rockwool or acceptable alternative as approved by the Authority.

6.7.5.8 Rigid mineral fibre insulation may be used for rainscreen applications in all orientations.

6.7.5.8(1) Acceptable rigid mineral fibre insulation includes Comfortboard by Rockwool or acceptable alternative as approved by the Authority.

6.7.6 Roofing

6.7.6.1 Comply with the RCABC Guarantee Corp latest Standards and requirements for a ten (10) year Guarantee as published in the RCABC Roofing Practices Manual. Perform roofing quality inspections as required by the RCABC to obtain the RCABC warranty.

6.7.6.2 Provide a complete horizontal barrier to the exterior using SBS modified bitumen roofing system (multi-ply) for roofs in accordance with the following Standards:

6.7.6.2(1) Base sheet: Conforming to CGSB 37-GP-56-M and ASTM D6162, Type II;

6.7.6.2(2) Base sheet flashing: Conforming to CGSB 37-GP-56M;

6.7.6.2(3) Cap Sheet and Cap Sheet Flashings: Conforming to CGSB 37-GP-56-M and ASTM D6162, Type II; and

6.7.6.2(4) Traffic Cap Sheet: Conforming to CGSB 37-GP-56-M.

6.7.6.3 Minimum membrane thickness of Self-Adhered Vapour Barrier Membrane to be used in Roofing Assemblies will be in accordance with RCABC Warranty requirements.

6.7.6.4 Approved products for two (2) ply roof membrane systems, all from one manufacturer as approved for torch-applied base sheet and base sheet striping and torch-applied cap sheet and cap sheet stripping systems providing compliance with ULC Standards for a Class A Roof all as manufactured by Soprema Inc., or acceptable alternative, as listed in RCABC Approved Products Listing and approved by the Authority.

6.7.6.5 Approximately two weeks prior to scheduled commencement of roofing installation and associated work, convene pre-installation meeting at Site with installer, installer of each component of associated work, installers of deck or substrate construction to receiving roofing work, installers of roof-top units and other work in and around roofing that will precede or follow roofing work (including mechanical work), the representative of approved primary materials manufacturer, Design-Builder, Design-Builder's Consultant, Authority, and other representatives directly concerned with performance of the Work. Record discussions of conference and decisions and agreements or disagreements reached and furnish copy of record to each party attending.

6.7.6.6 Prevent traffic over completed roofing except where required by work above roof level. Comply with precautions deemed necessary by the Authority. Repair damage caused by non-compliance with the Authority's requirements. At end of each day's work or when stoppage occurs due to inclement weather, provide protection for completed Work and materials out of storage.

6.7.6.7 Not Used

6.7.6.8 Comply with RCABC Roofing Practices Manual "Acceptable Materials List," including:

6.7.6.8(1) Flexible membrane for reflective roofs – Elastomeric or Thermoplastic (single-ply system), Energy Star compliant, highly

reflective, and high emissivity, of at least 0.9 when tested in accordance with ASTM 408

6.7.6.9 Roof assembly Design including deck, vapour barrier, insulation, board stock, and membranes will comply with the BCBC for fire classifications and with RGC requirements for wind uplift requirements, as well as requirements for live loads, dead loads, snow loads and wind uplift. Comply with UL 580 Class 60 wind uplift classification.

6.7.6.10 Use foamed plastic insulation that is CFC and HCFC-free and in compliance with the Province of British Columbia Ozone Depleting Substances Regulations.

6.7.6.10(1) Sprayed Polyurethane Insulation: Approved Products: "Polar Foam PF-7300-0 Soya" by Polyurethane Foam Systems Inc., or "Walltite Eco v.2" by BASF Canada Inc., Type 3 air barrier CFC free.

6.7.6.11 Provide a complete horizontal barrier to weather and climate using one of the roofing systems.

6.7.6.12 Roofing systems will include the following components:

6.7.6.12(1) Flashings and sheet metal;

6.7.6.12(2) Thermal insulation;

6.7.6.12(2)(a) Acceptable rigid insulation at roofs include Type 4 extruded expanded closed-cellular foam structure as manufactured by Dow Chemical Canada, or acceptable alternative as approved by the Authority.

6.7.6.12(3) SRI complying with LEED requirements;

6.7.6.12(4) Roofing specialties and accessories required for completion including roof penetration housings for rooftop communications pathway system;

6.7.6.12(5) Interior access systems to roof areas;

6.7.6.12(6) Protection from pedestrian traffic and solar radiation; and

6.7.6.12(7) Roof drainage, including overflow scuppers.

6.7.6.13 Provide sheet metal flashings that divert water away from membrane flashing termination and protect the membrane from deterioration due to the exterior elements and mechanical damage. Provide roofing membrane continuously under the metal flashings. Ensure that sheet metal components comply with wind uplift requirements established for roofing system

6.7.6.14 Sheet metal flashings will conform to the requirements of Roofing Contractors Association of British Columbia (RCABC) and the following:

6.7.6.14(1) RCABC Roofing Practices in British Columbia;

6.7.6.14(2) Sheet Metal and Air Conditioning Contractors National Association (SMACNA);

6.7.6.14(3) CSA HA Series-Mi 980 Standards for Aluminum and Aluminum Alloys; and

6.7.6.14(4) ASTM A653 / A653M-06 Standard Specification for Steel Sheet, Zinc Coated (Galvanized), Zinc-Iron Alloy Coated (Galvannealed) or 55% Aluminum-zinc alloy coated (Galvalum) by Hot dip process.

6.7.6.15 Metal roofing systems, if used, will provide clear internal paths of drainage to allow any trapped moisture to drain to the exterior and avoid the staining of architectural finishes, forming of puddles, forming of icicles, and dripping on pedestrians.

6.7.6.16 In designing the Facility, including any roof systems, ensure that entrance ways are protected from sliding snow and ice and that there are no accumulations of snow and ice in roof valleys.

6.7.6.17 Ponding of water on roofs will not be accepted, except as permitted by RCABC guidelines.

6.7.6.18 For flat roofs, drains will be positioned a minimum of 2 m away from unguarded roof edges.

6.7.6.19 All wood that is exposed to the exterior will be covered by an overhang or provided with flashing above of wood members, with drip edges that protect the wood from water exposure.

6.7.6.20 For the rooftop communications pathway system, provide roof penetration housings consisting of the following:

6.7.6.20(1) 2 mm thick aluminum housing and curb;

6.7.6.20(2) UV protected powder coated finish at 0.05 mm;

6.7.6.20(3) Stainless steel fasteners;

6.7.6.20(4) Gasketed lid to housing and housing to curb connection joints to ensure compliance to ICC 2015 Air Permeance Levels; and

6.7.6.20(5) Constructed to withstand BCBC required wind loading.

6.7.7 Fire and Smoke Protection

6.7.7.1(1) For steel structures use high-density spray-or trowel-applied cementitious fireproofing if required to achieve a fire resistance rating.

6.7.7.1(2) Integrate barriers into vertical and horizontal space separations to protect against the spread of fire and smoke. Apply protection to exposed building elements (structural and non-structural) susceptible to fire and subsequent damage.

6.7.7.1(3) Apply protection around penetrations through vertical and horizontal fire-resistance rated separations.

6.7.7.1(4) Use firestopping and smoke seal systems that consist of asbestos-free materials and systems, capable of maintaining an effective barrier against flame, smoke, and gases.

6.7.7.1(5) Use firestopping that:

6.7.7.1(5)(a) is compatible with substrates;

6.7.7.1(5)(b) allows for movement caused by thermal cycles; and

6.7.7.1(5)(c) prevents the transmission of vibrations from pipe, conduit or duct to structure and structure to pipe, conduit or duct.

6.7.7.1(6) When more than one product is required for an assembly, use products that are compatible with one another and from the same manufacturer. Products will comply with requirements established by ULC tested assemblies.

6.7.7.1(7) Use fire stopping sealants and coatings that are silicone-based and guaranteed not to re-emulsify if subject to wetting or standing water. Do not use acrylic-based coatings and sealants.

6.7.7.1(8) For foam plastic insulation, use a spray- or trowel-applied cementitious thermal barrier specifically formulated to protect foamed plastic from fire if required to provide fire protection.

6.7.8 Sealants

6.7.8.1 All sealants and sealant primers used on the interior of the Facility will comply with the requirements of LEED Indoor Environmental Quality, Low-Emitting Materials credit requirements (if this category is targeted);

6.7.8.2 Apply sealant materials to achieve:

6.7.8.2(1) Seals to the building envelope systems and around openings in the building envelope systems as required to prevent water ingress;

6.7.8.2(2) Seals around and over cavities in or behind surface elements to allow effective infection prevention and control;

6.7.8.2(3) Sealant around door frames will include joints at bottom of door frames (between floor finish and frames);

6.7.8.2(4) Sealed joints between dissimilar or similar materials to allow a smooth or even transitions; and

6.7.8.2(5) Sealed expansion or controls joints in the building envelope systems or structural systems to allow movement.

6.7.8.3 Do not use unsealed joints in Clinical Spaces.

6.7.8.4 For the exterior; use sealants to completely and continuously fill joints between dissimilar and/or similar materials.

6.7.8.5 For the interior; use sealants (at frames such as those at doors, windows and skylights), to completely fill joints between dissimilar materials using one component, acrylic emulsion, paintable type.

6.7.8.5(1) Seal all door frames to floor;

6.7.8.5(2) Seal all top edge of equipment rails and wood hand, bumper and crash rails to wall.

6.7.8.6 Use silicone caulking that is mildew-resistant and impervious to water for caulking washroom plumbing fixtures.

6.7.8.7 Use sealants with self-levelling properties for expansion and control joints in concrete floors using two-component epoxy urethane sealants.

6.7.8.8 Use non-sag sealants for exterior vertical expansion and control joints in masonry or wall cladding.

6.7.8.9 Use sealants that allow for minimum 25% movement in joint width.

6.7.8.10 In corridors and other traffic areas used by laundry carts, supply carts, material handling equipment etc., use traffic bearing type sealants suitable to support imposed load without deformation or failure.

6.7.9 Traffic Coatings

6.7.9.1(1) Provide traffic coatings to prevent the ingress of moisture and protect suspended structural concrete floor slabs from vehicular and pedestrian traffic at a minimum in the following locations:

6.7.9.1(1)(a) Mechanical rooms.

6.7.9.1(2) Use traffic coating that complies with the following:

6.7.9.1(2)(a) Membrane: Fluid applied aliphatic polyurethane waterproof traffic membrane, colour as selected by the Authority, liquid applied, two component 100% solids, and meeting or exceeding the following specifications:

(a).1 Property ASTM Test Result;
(a).2 Tensile Strength D638 9.1 MPa;
(a).3 Elongation at Break D638 435%;
(a).4 Tear Strength D624 38.2 KN/mm;
(a).5 Hardness D2240 80 Shore A;
(a).6 Abrasion Resistance wear course (cs-17 wheel) D4068; and
(a).7 Maximum Weight loss of 22 mg/1000 cycles.

6.7.9.1(2)(b) STM C957-06 Standard Specification for High Solids Content, cold Liquid - Applied Elastomeric waterproofing membrane with Integral Wearing Surface, CAN / CSA-S4 13-07 (R2012), "Parking Structures".

6.7.9.1(3) Acceptable products include "Sonoshield Sonoguard" manufactured by Sonneborn / BASF, "Urelastic 5000 / 6000 TC Deck Waterproof Membrane" manufactured by Universal Polymers Inc., Sikafloor Resoclad MRW Type II floor waterproofing system by Sika Canada Inc., or acceptable alternative as approved by the Authority.

6.7.9.1(4) Topping: Provide a polyurethane compound wear course. Install additional layer at all expansion joints to manufacturer’s recommendations.

6.7.9.1(5) Filler and Primer: As recommended by membrane manufacturer;

6.7.9.1(6) Sealant: Polyurethane type, compatible with system and adjacent materials.

6.7.9.1(7) Provide fluid applied integral flashings at all locations where a horizontal surface butts a vertical surface. Apply the membrane over the prepared surfaces at a minimum thickness of 500 microns thick and extend the membrane a minimum of 10 cm on vertical and horizontal surfaces.

6.8 Openings (Division 8)

6.8.1 Basic Requirements

6.8.1.1 Unless otherwise noted, construct interior windows and sidelights of 6.0 mm clear fully tempered glass with safety glazing labelling. Unless otherwise noted for exterior glazing at doors and sidelights, use 6.0 mm clear fully tempered laminated glass with safety glazing labelling.

6.8.1.2 Use of wired glass is not permitted anywhere in the Facility. When glass is used in an opening in a fire separation having a fire-resistance rating, provide clear and wireless, fire-rated glass and meet all applicable standards and codes. Provide fire-rated glazing assemblies with integral blinds where closures with integral blinds are required.

6.8.1.3 Provide white matte translucent privacy film on all door and sidelight glazing. The extent of the privacy film on each glazing surface will be sufficient to ensure privacy in each space.

6.8.1.4 Installation methods and locations for doors, frames and hardware will comply with the standards of the Door and Hardware Institute (DHI) for Hospitals Facilities unless otherwise indicated in the Design and Construction Specifications.

6.8.2 Doors

6.8.2.1 Provide doors that suit the intended function of spaces or rooms requiring acoustic or visual privacy, security, special HVAC requirements, fire-resistance rated separations or other closures.

6.8.2.2 For spaces listed in Appendix 3A [Clinical Specifications and Functional Space Requirements], provide the minimum width; minimum quantity, and type of door described in Appendix 1C [Minimum Room Requirements] unless otherwise determined in consultation with the Authority in accordance with Schedule 2 [Review Procedure].

6.8.2.3 At all corridor doors, including secured and fire separation doors, where Patient wheelchair, stretcher or bed movement is expected, including doors into or between Components, restricted zones or activity areas, provide automatic doors activated by touch-free controls located at a height accessible to Persons with Disabilities on the inside and outside of the doors. Doors will be configured for push-pull manual operation in addition to automatic operation. Timing of door controls, including distance from the opening, will be designed and adjusted by the Design-Builder before Substantial Completion to facilitate individuals moving Patients, stretchers or other large equipment through the doors.

6.8.2.4 Doors will not swing into corridors such that they obstruct traffic flow or reduce the corridor width, except doors to spaces that are used infrequently and are not subject to occupancy, such as small closets.

6.8.2.5 For all doors: floor mounted rails, slides and/or locking pins are not permitted (top mount only).

6.8.2.6 For door acoustical requirements, refer to Appendix 1D [Acoustic and Noise Control Measures]. Provide acoustic seals and drop seals as required.

6.8.2.7 Airborne Isolation Room doors will be of a quality that allows for a good seal to maintain HVAC pressurization and acoustical privacy.

6.8.2.8 Provide glazing in interior and exterior doors and sidelights to allow for proper security, sight lines, natural lighting, Patient observation and operational safety of the spaces they serve. Provide peep holes in doors at locations as determined in consultation with the Authority such as Pharmacy.

6.8.2.9 Provide door types and minimum glazing requirements as set out in Appendix 1C [Minimum Room Requirements] for the areas described in Appendix 1A [Clinical Specifications and Functional Space Requirements] unless otherwise determined in consultation with the Authority in accordance with Schedule 2 [Review Procedure].

6.8.2.10 Be consistent with the extent of glazing in each door, and the size and quantity of sidelights, and balance these between the Line of Sight, observation, security, Direct Natural Light and Borrowed Light requirements and the privacy requirements of the occupants of the room.

6.8.2.11 Provide sealed double glazing in aluminum frame sliding doors; sliding doors will be without floor tracks and be provided with emergency swing breakout.

6.8.2.12 Provide doors and door frames with the capability to withstand the varying and high levels of humidity and impact that occur typically within a hospital and in specific rooms within a hospital and maintain their inherent aesthetic and functional capacities.

6.8.2.13 In areas where security is considered paramount, achieve security with the location, configuration, materials, construction, and detailing of doors and hardware.

6.8.2.14 Exterior doors will meet the requirements of ASHRAE 90.1. All exterior doors will be thermally broken.

6.8.2.15 Washroom Door Requirements

6.8.2.15(1) All Patient washroom doors, including those for ensuite washrooms, will be designed to be Anti-Barricade. Doors to the following Patient washrooms will also be designed to have Ligature Resistant door hardware:

6.8.2.15(1)(a) A3.15 Washroom/Shower-Patient-Bariatric;

6.8.2.15(1)(b) A3.5.2 Washroom/Shower-Patient-Bariatric-AIR;

6.8.2.15(1)(c) Two (2) B2.1.1 Washroom/Shower-Ensuite;

6.8.2.15(1)(d) One (1) B2.3.1 Washroom/Shower-Ensuite-Bariatric;

6.8.2.15(1)(e) One (1) B2.4.2 Washroom/Shower-Ensuite-Bariatric-AIR; and

6.8.2.15(1)(f) One (1) C2.6.1 Washroom/Shower-Ensuite.

6.8.2.15(2) All Patient washroom doors will either swing out or be dual swing, except where otherwise determined in consultation with the Authority.

6.8.2.15(3) Hardware for these doors will allow the Staff access in case of an emergency without having to use a tool, such as a key override.

6.8.2.16 Size Requirements for Doors

6.8.2.16(1) The door widths described in Appendix 1C [Minimum Room Requirements] are minimum door slab width dimensions for swing doors and minimum clear opening width dimensions for sliding doors, and will be widened as follows:

6.8.2.16(1)(a) To allow equipment or supplies to be easily moved in and out of the space;

6.8.2.16(1)(b) To allow Patients and visitors in wheelchairs or other mobility aids;

6.8.2.16(1)(c) To enable multiple Staff to accompany a Patient on a stretcher where required; and.

6.8.2.16(1)(d) As otherwise required by the Authority to meet the functional requirements of the space.

6.8.2.16(2) Provide double 914 mm (3’-0”) doors into rooms where large pieces of equipment will be moved in or out during the lifetime of the Facility. This will include all mechanical rooms and Electrical Rooms; provide a minimum of 2134 mm (7’-0”) high door or door leaf, unless otherwise specifically required for access to services or other purposes where height is restricted, or greater height is required.

6.8.2.16(3) Wherever type F and F2 doors are specified in Appendix 1C [Minimum Room Requirements], the Design-Builder will provide a double-leaf door consisting of an active leaf of 1067 mm (3’-6”) and an inactive leaf of 457 mm (1’-6”), unless otherwise required by the Authority.

6.8.2.17 Bariatric Requirements for Doors

6.8.2.17(1) One (1) public washroom per floor that is publicly accessible in the Facility will accommodate a bariatric wheelchair, except on the floor where the Maternity Services Unit and 12-Bed Standalone Medical-Surgical Unit are located.

6.8.2.17(2) Swing doors for bariatric Patients will have a clear floor area beside the latch edge that extends the full height of the door, for 940 mm on the pull side and 640 mm on the push side.

6.8.2.17(3) Provide a clear dimension extending 2.4 m on the pull side and 1.725 m on the push side for bariatric Patient rooms and 1.8 m on the pull side and 1.725 m on the push side for all other bariatric doors.

6.8.2.17(4) Sliding doors for bariatric Patients will have a clear floor area beside the latch edge that extends the full height of the door of 600 mm on both sides of the door.

6.8.2.17(5) The minimum bariatric door width will be 1530 mm clear in a double door configuration (1070 mm and 460 mm).

6.8.2.18 Nursery Room Interconnecting Door Requirements

6.8.2.18(1) Provide an interconnecting door between one (1) Patient Room-Private-Nursery and the adjacent Patient Room-Private-SRMC for the recovering C-Section mother and Staff to go between the two (2) rooms. Refer to Appendix 1C [Minimum Room Requirements] for additional requirements.

6.8.3 Wood Doors

6.8.3.1 Wood doors are required for public, Patient and Staff care areas and as indicated in Appendix 1C [Minimum Room Requirements]. Wood doors will not be used for service/Staff entrances to units due to high traffic of transfers and equipment/supply movements.

6.8.3.2 Wood doors are not permitted in areas and service rooms (e.g., mechanical, electrical, communications, exit stairs, etc.).

6.8.3.3 The Design-Builder will provide flush wood core doors for the Facility, including the following:

6.8.3.3(1) solid core flush doors with plastic laminate faces;

6.8.3.3(2) fire rated flush wood core doors;

6.8.3.3(3) all transoms, glass lights non-rated, fire rated and stops and openings; and

6.8.3.3(4) sealed door edges.

6.8.3.4 All wood doors will comply with all applicable Standards, including the Quality Standards for Architectural Woodwork published by the Architectural Woodwork Manufacturer's Association of Canada (AWMAC) and Door and Hardware Institute (DHI) Standards.

6.8.3.5 Construct doors with five (5) ply construction for plastic laminate faces in accordance with AWS and ANSI/WDMA I.S 1A standards unless otherwise indicated.

6.8.3.6 Provide flush wood core doors with CSA approved wiring system and conduits for all electronic hardware and automatic door operators including openings to suit electronic and regular hardware.

6.8.3.7 Ensure fire rated doors comply with NFPA-80 and carry labels acceptable to the Authority Having Jurisdiction; onsite-applied and -stamped fire-labeling is not acceptable.

6.8.3.8 Provide fire-resistance rated doors with a homogeneous incombustible mineral core and AWMAC Quality Standards Option 5 blocking.

6.8.3.9 The Design-Builder will ensure doors are obtained from one (1) source by a single manufacturer.

6.8.3.10 Construct, finish, and install wood doors to minimize the requirement for maintenance and resulting disruption to Facility operations.

6.8.3.11 Wood doors will have hardware and finishes that suit the intended function and aesthetics of the Facility. All wood door edges will be sealed.

6.8.3.12 Wood veneer-faced doors will not be used.

6.8.3.13 Doors with an inactive leaf will not be floor bolted. Bolt into frame instead.

6.8.3.14 Provide door frames specially designed for the weight of the door. Where there are double doors, provide a shielded astragal.

6.8.3.15 Install finish hardware securely. Fasten to solid wood backing, except where hardware is designed to be through-bolted.

6.8.3.16 Provide doors that meet the STC ratings as specified in Appendix 1D [Acoustic and Noise Control Measures].

6.8.3.17 Performance Requirements

6.8.3.17(1) Provide flush wood core doors which comply with WDMA I.S 1A, Section C-13, Flush Wood Door Minimum Performance Standards, Duty Level: Extra Heavy Duty.

6.8.3.17(2) Provide plastic laminate door facing as follows:

6.8.3.17(2)(a) High-pressure, paper base, decorate laminate facing, HGS or HGL type, conforming to ANSI/NEMA LD3 and ANSI/NEMA LD3.1;

6.8.3.17(2)(b) Acceptable manufacturers:

(b).1 Formica Inc.; www.formica.com;

(b).2 Nevamar Company, LLC; www.nevamar.com;

(b).3 Wilsonart Canada; www.wilsonart.com.

6.8.3.17(3) Provide standard duty non-rated flush wood core doors to meet the following requirements:

6.8.3.17(4) Facing: as noted above.

6.8.3.17(4)(a) Core: Particle Board ANSI A208.1; 449 kg/m3 – 513 kg/m3 (28 lb/ft3 – 32 lb/ft3) density solid particle core, mat-formed sanded both sides, thickness as recommended by AWI/AWMAC for specified requirements. Ensure items are classified M2 in accordance with ASTM E1333.

6.8.3.17(4)(b) Stiles: Minimum 11 mm thick (7/16”) thick hardwood laminated to 25 mm (1”) thick structural composite lumber or laminated veneer lumber bonded to core with matching sealed hardwood edge strips.

6.8.3.17(4)(c) Total Thickness: Manufacturer’s standard thickness required to meet performance requirements specified herein.

6.8.3.17(4)(d) Rails: Minimum 30 mm thick (1-3/16”) thick hardwood, structural composite lumber or laminated veneer lumber bonded to core.

6.8.3.17(4)(e) Crossbands: Provide high-density composite crossbands in manufacturer’s standard thicknesses required to meet performance requirements specified herein. Ensure crossbands extend full width of door.

6.8.3.17(4)(f) Adhesive: Type I, Waterproof, as recommended by Product manufacturer for designated application and containing no added urea-formaldehyde.

6.8.3.17(5) Provide heavy duty non-rated flush wood core doors at locations such as doors which have push-bar exit devices or as otherwise required as follows:

6.8.3.17(5)(a) Facing: as noted above.

6.8.3.17(5)(b) Core: ASTM D5456 or ANSI I.S.4,structural composite lumber or laminated veneer lumber laminated using hot pressing process with Type 1 adhesive as specified herein. Floating cores are not acceptable.

6.8.3.17(5)(c) Stiles: Minimum 11 mm thick (7/16") thick, hardwood, structural composite lumber or laminated veneer lumber bonded to core with matching sealed hardwood edge strips.

6.8.3.17(5)(d) Total Thickness: Manufacturer's standard thickness required to meet performance requirements specified herein.

6.8.3.17(5)(e) Rails: Integrated.

6.8.3.17(5)(f) Crossbands: Provide high-density composite crossbands in manufacturer's standard thicknesses required to meet performance requirements specified herein. Ensure crossbands extend full width of door.

6.8.3.17(5)(g) Adhesive: Type I, Waterproof, as recommended by Product manufacturer for designated application and containing no added urea-formaldehyde.

6.8.3.17(6) Provide fire-rated flush wood core doors to meet the following requirements:

6.8.3.17(6)(a) Facing: as noted above.

6.8.3.17(6)(b) Core: Incombustible mineral core to meet fire-resistance rating requirements specified herein.

6.8.3.17(6)(c) Stiles: Manufacturer's standard stiles as required for fire rating.

6.8.3.17(6)(d) Rails: Manufacturer's standard rails as required for fire rating.

6.8.3.17(6)(e) Interior Blocking: Approved fire-retardant reinforcement minimum 120 mm (4-3/4") high at top, bottom rails and at mid height of doors as required to secure surface

applied hardware with screw meeting WDMA Extra Heavy-Duty Performance. Provide minimum 11 mm (7/16") hardwood blocking in accordance with WDMA standards. On doors over 900 mm (36") wide, provide additional approved fire-retardant reinforcement to hinge stile of door.

6.8.3.17(6)(f) Vision Framing: ULC labeled, Prime painted metal framing or fire rated wooden molding kit to match door faces.

6.8.3.17(7) Provide specialty wood doors to meet the following requirements:

6.8.3.17(7)(a) Sound Retardant Flush Wood Core Doors: unless otherwise indicated, fabricate doors as follows:

(a).1 Facing: as noted above.

(a).2 Core: Acoustical sound attenuating core with proprietary sound attenuating material to achieve minimum STC ratings specified in Appendix 1D [Acoustic and Noise Control Measures] when tested in accordance with ASTM E90.

(a).3 Stiles: Manufacturer's standard stiles as required for sound attenuation rating.

(a).4 Rails: Manufacturer's standard rails as required for sound attenuation rating.

(a).5 Crossbands: Provide high-density composite crossbands in manufacturer's standard thicknesses required to meet performance requirements. Ensure crossbands extend full width of door.

(a).6 Sound Traps and Seals: as required for sound attenuation rating.

6.8.4 Hollow Metal Doors and Frames

6.8.4.1 Materials and manufacture of metal doors will comply with the requirements of the Canadian Steel Door and Frame Manufacturer's Association (CSDFMA).

6.8.4.2 Provide interior metal doors with flush face and no trims construction.

6.8.4.3 Doors with an inactive leaf will not be floor bolted. Bolt into frame instead.

6.8.4.4 Provide 16-gauge steel doors with vertical interlocking steel stiffeners and continuous welded edge seams for all doors over 915 mm wide. Provide high frequency hinge reinforcing to suit heavy weight hinges.

6.8.4.5 Provide 18-gauge steel doors with continuous welded edge seams for all doors up to 915 mm wide.

6.8.4.6 Provide exterior metal doors with:

6.8.4.6(1) flush face construction, continuously welded, seamless edge construction using steel sheet;

6.8.4.6(2) fully sealed weather cap on top of door

6.8.4.6(3) welded edge seams;

6.8.4.6(4) edge seams to correspond with door function and minimize maintenance needed; and

6.8.4.6(5) prepared surfaces to receive finishes that resist corrosion from exposure to weather. Provide with ZF180 coating.

6.8.4.7 All exterior doors that open out will be capped to avoid water collecting in welding channels.

6.8.4.8 Provide pressed metal frames with:

6.8.4.8(1) fully welded construction. Provide fully welded 16 gauge frames. Provide high frequency hinge reinforcing to suit heavy weight hinges. Provide 12 gauge welded reinforcing for all surface applied door hardware;

6.8.4.8(2) thermally-broken door frames for exterior, non-fire-rated openings; and

6.8.4.8(3) anchors to each jamb to suit wall type and receive the frame.

6.8.4.9 Provide door glazing as follows:

6.8.4.9(1) For exterior hollow metal door glazing, use sealed units with warm edge, argon filled space in thermally-broken frames to prevent heat loss.

6.8.4.9(2) For interior hollow metal door glazing, use tempered glass. Provide with safety label where required.

6.8.5 Aluminum Entrances and Storefronts

6.8.5.1 Aluminum entrances and storefront framing and doors may form part of the exterior envelope of the Facility. Stiles and rails will be oversized to avoid the failure of glazing unit and potential twisting and fastener failure of door frame assembly.

6.8.5.2 Provide glazed interior partitions to meet the functional requirements of the spaces as defined by Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.8.5.3 Provide aluminum doors within aluminum entrances and storefront.

6.8.5.4 Provide frames that are thermally-broken, flush glazed, aluminum sections, to accept insulating glass units.

6.8.5.5 Incorporate in the frames a drained and vented rain screen wall system with a complete air and vapour seal, allowing any moisture entering the frame to drain to the exterior and allowing air into the pressuring chamber.

6.8.5.6 Provide aluminum swing entrance doors that are heavy-duty commercial or institutional grade, automatically operated, motion-detector controlled.

6.8.5.7 Finish to be permanent and resistant to corrosion caused by weather exposure and climate.

6.8.5.8 Provide a minimum 150 mm wide mid-rail at a height between 900 and 1100 mm AFF.

6.8.5.9 Swing doors will be provided with a continuous hinge. Pivot hinges are not acceptable.

6.8.5.10 Apply aluminum finish for exposed aluminum surfaces. Finish will be permanent and resistant to corrosion caused by weather exposure and climate.

6.8.5.11 Aluminium mullions will have a deflection limit in conformance with ASTM E330.

6.8.5.12 Acceptable architectural aluminium doors and frames will include Kawneer Trifab, Metro Aluminium, Columbia or acceptable alternative as reviewed by the Authority.

6.8.5.13 Provide the following warranties:

6.8.5.13(1) Framing, panels and glazing: 2 years

6.8.5.13(2) Aluminium breakshapes including oil-canning and delaminating: 2 years

6.8.6 Specialty Doors

6.8.6.1 Interior Sliding Doors

6.8.6.1(1) Unless otherwise noted, provide interior sliding doors as required in the Appendix 1C [Minimum Room Requirements] with recessed mounted track, sliding and fixed panel(s) single glazed with 6.0 mm clear fully tempered glass with safety glazing labelling.

6.8.6.1(2) Provide interior glass sliding doors without floor track.

6.8.6.1(3) Provide interior sliding doors and interior glass sliding doors with break-out capability.

6.8.6.1(4) Provide visual cues/glazing film in transparent glass panels as appropriate to prevent collisions.

6.8.6.1(5) All sidelights will include a mid rail at corresponding handrail height.

6.8.6.2 Automatic Sliding Doors

6.8.6.2(1) Provide automatic sliding doors complete with break-away capability for exiting. Exterior entrance vestibules will be designed such that both sets of doors will not be open at the same time.

6.8.6.2(2) Ensure door equipment will accommodate medium to heavy pedestrian traffic and up to the following weights for active leaf doors: 100 kg for bi-part doors and 200 kg for single slide doors.

6.8.6.2(3) Provide door operators, including the motion and presence detection system that are capable of operating within the temperature ranges existing at the Facility and ancillary buildings and unaffected by ambient light or ultrasonic interference.

6.8.6.2(4) Provide energy-saving devices to reduce conditioned air or heat loss.

6.8.6.2(5) Installation will be by a certified technician approved by the manufacturer.

6.8.6.2(6) Manufacturer will be Record-USA, Monroe, North Carolina, USA, or acceptable alternative as reviewed by the Authority.

6.8.6.2(7) Provide a complete sliding door package, including the following: framing, flush mounted header (mounted between jambs), sliding door panel(s), stationary panel(s), operators (belt drive only-linear rod not accepted), activation and safety devices, carrier assemblies, noise isolating roller track, threshold, and guide tracks, to match threshold dimensions on full breakout units.

6.8.6.2(8) Traffic patterns to be determined by the Authority and set by installer using Record-USA exclusive S.M.A.R.T. panel per application.

6.8.6.2(9) Door and frame materials will comply with the following standards:

6.8.6.2(9)(a) Header, frames, stiles and rails: 6063-T5;

6.8.6.2(9)(b) Extruded bars, rods, profiles and tubes: ASTM B221;

6.8.6.2(9)(c) Sheet and plate: ASTM B209; and

6.8.6.2(9)(d) Framing Members: Will be manufacturer's standard extruded aluminum.

6.8.6.2(10) Provide bumper stop or cushioned stop on all automatic sliding doors.

6.8.6.2(11) Where automatic sliding doors have access control, the Design-Builder will provide an interface between the automatic door opener and the access control system such that when the door is secured by access control, the secure side input devices are inactive unless there is a valid card-swipe.

6.8.6.3 Automatic Swing Doors

6.8.6.3(1) Use automatic swing doors, or automatic sliding doors as alternate will be as determined with the Authority for interior and exterior locations where required, including cross-corridor double-egress doors, entrances to Components, and areas where stretchers and equipment are frequently wheeled, and doors to exterior spaces that are required to be accessible to Persons with Disabilities. The Design-Builder will ensure placement of door controls are accessible to Staff pushing wheeled equipment including Patient stretchers.

6.8.6.3(2) If used, provide directional motion sensor control devices that are unaffected by ambient light or ultrasonic frequencies. Motion sensors can be used in place of a hands-free operation to activate auto door operators if the Design-Builder can demonstrate to the Authority's satisfaction that it meets the Authority's operational requirements.

6.8.6.3(3) Not Used.

6.8.6.3(4) Implement longer hold-open times to accommodate the elderly and frail.

6.8.6.3(5) Where automatic swing doors have access control, the Design-Builder will provide an interface between the automatic door opener and the access control system such that when the door is secured by access control, the secure side input devices are inactive unless there is a valid card-swipe.

6.8.6.4 Overhead Rolling Grilles

6.8.6.4(1) Provide grilles that allow visual access to secure areas.

6.8.6.4(2) Provide aluminum or steel guides that are: fabricated to withstand vertical and lateral loads; counterbalanced by helical torsion springs; and sound-deadened.

6.8.6.4(3) For manually operated closures, provide inside lift handle and locking bar or chain hoist. Motor operation will be provided on grilles requiring constant usage. Chain operation will be by means of reduction gears and heavy chrome plated hand chain.

6.8.6.4(4) Provide motor operation for any overhead doors to be operated by clinical Staff.

6.8.6.5 Horizontal Sliding Grilles

6.8.6.5(1) Provide shutter curtains fabricated with extruded aluminum, galvanized steel, or stainless steel interlocking flat slats, complete with guides of similar materials.

6.8.6.5(2) Provide closures that are manually operated and with locking capability.

6.8.6.5(3) Provide motor operation for any overhead doors to be operated by clinical Staff, where a solid, manually operated with locking capability overhead rolling counter shutters will be provided to secure computers and prevent tampering or damaging of computers by Patients.

6.8.6.6 The doors for A3.12 Consultation/Interview Room will be configured as a double-egress door meeting the following performance requirements:

6.8.6.6(1) Have a pressed steel acoustic double door frame, with fixed acoustic mullion between the panels, complete with one door panel opening into the room, and one door panel opening out into the corridor;

6.8.6.6(2) Provide an acoustic rating of STC 52, with the following assembly elements:

6.8.6.6(2)(a) Flat acoustic threshold 1/4" high by 5" wide, installed on finished floor;

6.8.6.6(2)(b) Perimeter acoustic bronze seal along jambs and head;

6.8.6.6(2)(c) Acoustic neoprene at header;

6.8.6.6(2)(d) Perimeter acoustic bulb seal along jambs and head; and

6.8.6.6(2)(e) Fixed acoustic mullion.

6.8.6.6(3) Refer to the door requirements for A3.12 Consultation/Interview Room in Appendix 1C [Minimum Room Requirements] for the type, size and features of the door panels referenced in 6.8.6.6(1) above.

6.8.7 Door Sidelights

6.8.7.1 Provide door sidelights at minimum, at the locations described in Appendix 1C [Minimum Room Requirements] and at other locations where required to provide Line of Sight for Patient or Staff safety.

6.8.7.2 Provide interior windows and door sidelights consisting of minimum 6.0 mm thick clear fully tempered glass with safety glazing labelling.

6.8.7.3 Provide white matte translucent privacy film on door sidelight glazing which balances the extent of observation required and the privacy requirements of the occupants of the room.

6.8.7.4 The Design-Builder will provide minimum 460 mm wide door sidelight glazing.

6.8.7.5 Provide the lower horizontal mullion of the door sidelight such that it is horizontally aligned with the adjacent handrail height to allow for extension of the adjacent handrail.

6.8.7.6 Door sidelights will have minimum STC ratings as specified in Appendix 1D [Acoustic and Noise Control Measures]. The perimeters will be sealed to prevent sound leakage.

6.8.8 Door Hardware

6.8.8.1(1) Not Used

6.8.8.1(2) The Authority's goal will limit the use of keys through door hardware technology. Location of card readers and other technologies to be provided, such as keypads, are described in this Schedule 1 and Appendix 1C [Minimum Room Requirements].

6.8.8.1(3) Provide doors, door hardware and controls to suit the intended purpose and satisfy the Authority's functional requirements described within this Schedule. The Design-Builder will, at a minimum, provide the door hardware for each door hardware group listed below. Doors, door hardware and controls will be reviewed and approved by the Authority. Refer to Appendix 1C [Minimum Room Requirements] for minimum numbers of doors and door hardware for each area in Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.8.8.1(4) For all exterior entrances not otherwise noted in Appendix 1C [Minimum Room Requirements] which are not listed in Appendix 1A [Clinical Specifications and Functional Space Requirements], provide door hardware to achieve the functionality described in door hardware groups AO-10 and AO-11 below.

6.8.8.1(5) Finishes will be selected to provide maximum longevity and preservation of the finish. In Clinical Spaces, provide a permanent, non-toxic antimicrobial finish on door handles, push plates and pulls.

6.8.8.1(6) Door protection including edge guards, kick plates, mop plates, armour plates and stretcher plates will be stainless steel and provided accordingly. Provide kick plates for any doors with a self-closing device. Provide mop plates on all exit doors and on doors to the following rooms:

6.8.8.1(6)(a) B3.5, B6.9 - Utility Room-Clean

6.8.8.1(6)(b) C4.2 - Utility Room-Clean-Large

6.8.8.1(6)(c) A6.1 - Utility Room-Clean-XLarge

6.8.8.1(6)(d) A6.2, B3.6, B6.10, C4.3 - Utility Room-Soiled

6.8.8.1(6)(e) B3.3, B6.7, C4.1 - Storage Room-Equipment

6.8.8.1(6)(f) A6.6 - Storage Room-Equipment-Large

6.8.8.1(6)(g) B7.1.1 - Storage Room-Equipment-Small

6.8.8.1(6)(h) A3.1.1, A3.5.1, B2.4.1, B5.4.1, C2.5.1 - Anteroom-AIR

6.8.8.1(6)(i) A2.2.3 - Anteroom-Decontamination

6.8.8.1(6)(j) D4.8 - Anteroom-Sterile Chemo Prep

6.8.8.1(6)(k) D4.5 - Anteroom-Sterile IV Admixture.

6.8.8.1(7) Door protection height will be stainless steel minimum 1350 mm AFF in high-impact locations such as Biomedical Engineering, corridor doors, all storage rooms and the Cart Marshalling/Staging Area and 864 mm high in other areas. Door protection height for kick plates will be a height of 305 mm.

6.8.8.1(8) Provide automatic operators on doors in all corridors and service areas to facilitate the movement of materials, carts and equipment. Automatic opening hardware will be push button type in all public or visitor areas and hands-free sensor type in all Staff areas. The

hands-free sensor type in all Staff areas will be a touchless switch, wave-to-open type sensor, designed for healthcare applications. Provide push button actuators as required at locations as determined in consultation with the Authority.

6.8.8.1(9) For card reader placement, key override, door contact, request to exit device, video door intercom, and remote release requirements in public corridors and spaces, refer to Appendix 1I [Security Operation Matrix].

6.8.8.1(10) Rooms and areas requiring controlled access, either by card reader or keypad, are described in Appendix 1C [Minimum Room Requirements].

6.8.8.1(11) All doors throughout the Facility require door hardware evacuation room verification system, including hinges and evacuation indicators that are highly visible in low light and smoke-filled environments to signal if the room is vacant or in use. The evacuation room verification system will indicate the status of the room during emergency conditions. The system will be activated when occupants have vacated the room and indicate if someone has re-entered the room. The system will enable the Fire Department to quickly assess the status of a room; if the device is in closed position, then the room has been accessed and will be verified. If the door to a room is opened by more than one inch, the spring hinge will revert the system automatically to the closed position. The unit will not be reset from inside the room.

6.8.8.1(12) Design-Builder's Architectural Openings Consultant will attend in person and lead all door hardware User Consultation Group meetings held in accordance with Schedule 2 [Review Procedure].

6.8.8.1(13) For all Anti-Barricade doors, provide seals that allow the door to swing in both directions, in compliance with door acoustic requirements.

6.8.8.1(14) For Outbreak Control Zone corridor doors, provide interior automatic pairs with card reader and hold open with the following features:

6.8.8.1(14)(a) Consist of inner and outer doors to create an anteroom. Sequenced so both doors cannot be open at the same time in an outbreak scenario;

6.8.8.1(14)(b) Presence/safety sensors;

6.8.8.1(14)(c) Actuated by card reader;

6.8.8.1(14)(d) Remote key switch to deactivate;

6.8.8.1(14)(e) Ability to be held open; and

6.8.8.1(14)(f) Perimeter seals.

6.8.8.1(15) Door type 'K' will be a barn-door style sliding door having as a basis of design the ExamSlide™ door by AD Systems. This door type will include the following features:

6.8.8.1(15)(a) Heavy-duty, top-hung roller system;

6.8.8.1(15)(b) Concealed floor guide (no exposed floor track);

6.8.8.1(15)(c) Acoustic mitigation around the door perimeter, with automatic drop seal;

6.8.8.1(15)(d) Operable by Persons with Disabilities;

6.8.8.1(15)(e) Soft-close dampening system; and

6.8.8.1(15)(f) Easy-to-clean aluminum frame.

6.8.8.2 Performance Requirements

6.8.8.2(1) Finish hardware will be heavy duty suitable for institutional use.

6.8.8.2(1) Hinges: ANSI Grade 1, warranted for the life of the Facility. Size hinges according to manufacturer's recommendations. Provide hinges with concealed maintenance free Teflon or plastic bearings and non-removable pins.

6.8.8.2(1) Continuous hinges: ANSI Grade 1, geared aluminum type. Provide removable Serviceable power transfers where required. Use continuous hinges on high frequency doors.

6.8.8.2(2) Pivot hinges: ANSI Grade 1. Use pivot hinges only where standard or continuous hinges are not feasible. pivots according to manufactures recommendations.

6.8.8.2(3) Locksets and latch sets: ANSI A156.13, fully mortised grade 1 type, lever handles will be solid material and provide a full return to the door.

6.8.8.2(3)(a) Provide locks from one of the following manufacturers:

(a).1 Schlage
(a).2 Sargent
(a).3 Best

6.8.8.2(4) Deadbolts: ANSI A156.13, fully mortised grade 1 type.

6.8.8.2(5) Door closers: ANSI A156.4, Grade 1 type. Provide concealed door closers in Clinical Spaces. Size all door closers to suit Facility conditions and in accordance with barrier free accessibility codes. Provide delayed action closers at all locations. Do not locate door closers on the corridor side of openings. Provide through-bolt mounting for closers. Selectable hold open arms and spring-loaded stops will be provided where deemed applicable by the Authority.

6.8.8.2(5)(a) Provide closers from one of the following manufacturers:

(a).1 LCN
(a).2 Sargent
(a).3 Norton

6.8.8.2(6) Exit devices: ANSI 156.3 Grade 1 type. All exit devices will be listed for accident hazard and fire exit. Latch retraction devices will require an inrush of 1 amp or less and will not require proprietary power supplies. Vertical rod exit devices will be concealed, less bottom rod type.

6.8.8.2(6)(a) Provide exit devices from one of the following manufacturers:

(a).1 Von Duprin
(a).2 Sargent
(a).3 Precision

6.8.8.2(7) Door stops: Provide heavy duty wall or overhead stops. Floor stops will be avoided for safety and cleanliness reasons. Provide solid backing for wall stops.

6.8.8.2(8) Astragals: Provide full length astragals for all exterior and parkade doors. Proved short lip strike plates where they conflict with astragals. The astragal is not to be cut to accommodate strike plates.

6.8.8.2(9) Flush bolts: Provide heavy duty automatic latching top bolts. Provide heavy duty manual bottom bolts with dust proof strikes, except in Clinical Spaces.

6.8.8.2(10) Manual sliding door hardware: Provide heavy duty tracks and hangers with a load capacity suitable for the door weight. Surface mounted track and hangers will be concealed with facia and end caps. Provide all manual sliding doors with soft open/close hardware.

6.8.8.2(11) Perimeter seals: Provide seals with replaceable gaskets. Provide surface-mounted door bottoms that can be removed for servicing. Mortised/concealed door bottoms that require the door to be removed for servicing are not permitted. In areas where Ligature Resistant hardware is required, provide seals designed to break into segments. Refer to Appendix 1D [Acoustic and Noise Control Measures] for acoustic requirements and provide seals accordingly.

6.8.8.2(12) Power transfers: Conceal power transfers in the hinge.

6.8.8.2(13) Power supplies: Provide power supplies with relay boards that completely isolate hardware power from the access control system and individually fused outputs for each hardware device. Provide a minimum of 25% room for expansion and 5Ah battery backup.

6.8.8.2(14) Request to exit devices: Locate request to exit devices in the door hardware wherever the hardware allows.

6.8.8.2(15) Door position switches: Provide double-throw double-pole door position switches.

6.8.8.2(16) Automatic swing door operators: Provide Record-USA series 8100 Electromechanical Automatic Operators or acceptable alternative as reviewed by the Authority. Provide operators with on-board timing sequencers, power close mode, dynamic stack pressure compensation and opening assist. Upon loss of power, manual opening force will not exceed 15 lbf. Provide door mounted safety sensors on both sides of doors with automatic operation. Provide a key switch located on the secure side to toggle function Auto/Open/Close.

6.8.8.2(17) Automatic sliding door operators: Provide Record-USA series 5100 Electromechanical Automatic Operators or acceptable alternative as reviewed by the Authority. Provide with electromechanical locking device and door leaf surveillance. Provide with request to exit device to release integrated lock. Provide safety sensors including sidelight protection sensors.

6.8.8.2(18) For exterior exit only doors, where entrance is only permitted by key, provide a cylinder and cylinder pull only on the outside of the door.

6.8.9 Door Hardware Groups

6.8.9.1 For each specified rooms(s) or area, the following door hardware will be utilized:

6.8.9.1(1) AO-01 – Medication Rooms (sliders)

6.8.9.1(1)(a) Doors will be automatic sliders;

6.8.9.1(1)(b) Card reader;

6.8.9.1(1)(c) Presence/Safety sensors; and

6.8.9.1(1)(d) Touchless actuator.

6.8.9.1(2) AO-02 – Interior Automatic single with card reader

6.8.9.1(2)(a) Doors will be automatic swing; three position key switch (On/Off/Hold) for operator;

6.8.9.1(2)(b) Card reader;

6.8.9.1(2)(c) Presence/Safety sensors;

6.8.9.1(2)(d) Touch-free actuators;

6.8.9.1(2)(e) Hinges;

6.8.9.1(2)(f) Electric strike;

6.8.9.1(2)(g) Mortise lockset; and

6.8.9.1(2)(h) Door stop.

6.8.9.1(3) AO-03 – Interior Automatic single

6.8.9.1(3)(a) Doors will be automatic swing; three position key switch (On/Off/Hold) for operator;

6.8.9.1(3)(b) Presence/Safety sensors;

6.8.9.1(3)(c) Touch-free actuators;

6.8.9.1(3)(d) Hinges;

6.8.9.1(3)(e) Electric strike;

6.8.9.1(3)(f) Mortise lockset; and

6.8.9.1(3)(g) Door stop.

6.8.9.1(4) AO-04 – Exterior Automatic single with combination card reader-keypad

6.8.9.1(4)(a) Doors will be automatic swing; remote three position key switch (On/Off/Hold) for operator;

6.8.9.1(4)(b) Doors will have the ability to remotely lock and unlock (scheduled, or by emergency lock-down);

6.8.9.1(4)(c) Provide concealed electro-mechanical locks in the operator housing to resist forced entry;

6.8.9.1(4)(d) Combination card reader-keypad;

6.8.9.1(4)(e) Presence/Safety sensors;

6.8.9.1(4)(f) Touch-free actuators;

6.8.9.1(4)(g) Hinges;

6.8.9.1(4)(h) Electric strike;

6.8.9.1(4)(i) Mortise lockset; and

6.8.9.1(4)(j) Door stop.

6.8.9.1(5) AO-05 – Interior Automatic slider (hold open)

6.8.9.1(5)(a) Doors will be automatic sliders;

6.8.9.1(5)(b) Three (3) position key switch (on/off/hold) on secure side;

6.8.9.1(5)(c) Card reader;

6.8.9.1(5)(d) Presence/Safety sensors; and

6.8.9.1(5)(e) Touchless actuator.

6.8.9.1(6) AO-08 – Ambulance Entry Vestibule (outer doors)

6.8.9.1(6)(a) Doors will be fully automatic bi-parting sliding doors with breakout leaves to suit exiting requirements. Doors and hardware will be capable to accommodate heavy two-way pedestrian traffic. Doors will be reinforced for security when not in use;

6.8.9.1(6)(b) Doors will have the ability to remotely lock and unlock (scheduled, or by emergency lock-down);

6.8.9.1(6)(c) Provide concealed electro-mechanical locks in the operator housing to resist forced entry;

6.8.9.1(6)(d) Combination card reader-keypad;

6.8.9.1(6)(e) Presence/Safety sensors;

6.8.9.1(6)(f) Touch-free actuators;

6.8.9.1(6)(g) Remote key switch to de-activate;

6.8.9.1(6)(h) Provide perimeter seals; and

6.8.9.1(6)(i) These doors will have the capability to sequence opening time with the inner vestibule doors.

6.8.9.1(7) AO-09 - Ambulance Entry Vestibule (inner doors)

6.8.9.1(7)(a) Doors will be fully automatic bi-parting with breakout leaves to suit exiting requirements. Doors and hardware will be capable to accommodate heavy two-way pedestrian traffic. Doors will be reinforced for security when not in use;

6.8.9.1(7)(b) Doors will have the ability to remotely lock and unlock (scheduled, or by emergency lock-down);

6.8.9.1(7)(c) Provide concealed electro-mechanical locks in the operator housing to resist forced entry;

6.8.9.1(7)(d) Combination card reader-keypad;

6.8.9.1(7)(e) Presence/Safety sensors;

6.8.9.1(7)(f) Touch-free actuators;

6.8.9.1(7)(g) Remote key switch to de-activate;

6.8.9.1(7)(h) Provide perimeter seals; and

6.8.9.1(7)(i) These doors will have the capability to sequence opening time with the outer vestibule doors.

6.8.9.1(8) AO-10 – Entrances and Entry Vestibule (inner doors)

6.8.9.1(8)(a) Doors will be fully automatic bi-parting sliding doors with breakout leaves to suit exiting requirements. Doors and hardware will be capable to accommodate heavy two-way pedestrian traffic. Doors will be reinforced for security when not in use;

6.8.9.1(8)(b) Doors will have the ability to remotely lock and unlock (scheduled, or by emergency lock-down);

6.8.9.1(8)(c) Provide concealed electro-mechanical locks in the operator housing to resist forced entry;

6.8.9.1(8)(d) Card reader;

6.8.9.1(8)(e) Presence/Safety sensors;

6.8.9.1(8)(f) Touch-free actuators;

6.8.9.1(8)(g) Remote key switch to de-activate;

6.8.9.1(8)(h) Provide perimeter seals; and

6.8.9.1(8)(i) These doors will have the capability to sequence opening time with the outer vestibule doors.

6.8.9.1(9) AO-11 - Main Entry Vestibule (outer doors)

6.8.9.1(9)(a) Doors will be fully automatic bi-parting with recessed panic hardware for emergency egress;

6.8.9.1(9)(b) Presence/Safety sensors;

6.8.9.1(9)(c) Touch-free actuators;

6.8.9.1(9)(d) Remote key switch to de-activate;

6.8.9.1(9)(e) Provide perimeter seals;

6.8.9.1(9)(f) These doors will have the capability to sequence opening time with the inner vestibule doors; and

6.8.9.1(9)(g) Remote lock/unlock buttons will be controlled by Staff as indicated in Appendix 1A [Clinical Specifications and Functional Space Requirements], Section 4.1.5.1(1)(e).

6.8.9.1(10) AO-12 – Interior Automatic pair with card reader

6.8.9.1(10)(a) Not Used;

6.8.9.1(10)(b) Presence/safety sensors;

6.8.9.1(10)(c) Touch free actuators;

6.8.9.1(10)(d) Remote three position key switch (On/Off/Hold) for operator; and

6.8.9.1(10)(e) Card reader.

6.8.9.1(11) AO-13 – Interior Automatic pair

6.8.9.1(11)(a) Not Used;

6.8.9.1(11)(b) Presence/safety sensors;

6.8.9.1(11)(c) Touch free actuators; and

6.8.9.1(11)(d) Remote three position key switch (On/Off/Hold) for operator.

6.8.9.1(12) CR-01 - Typical Card Reader Door (Single)

6.8.9.1(12)(a) Hinges;

6.8.9.1(12)(b) Concealed power transfer;

6.8.9.1(12)(c) Electronic mortise lock with request to exit;

6.8.9.1(12)(d) Door closer;

6.8.9.1(12)(e) Door stop;

6.8.9.1(12)(f) Door position switch (DPDT); and

6.8.9.1(12)(g) Card reader.

6.8.9.1(13) CR-02 - Typical Card Reader Door (Single) – Hold Open

6.8.9.1(13)(a) Hinges;

6.8.9.1(13)(b) Concealed power transfer;

6.8.9.1(13)(c) Electronic mortise lock with request to exit;

6.8.9.1(13)(d) Door closer with holder;

6.8.9.1(13)(e) Door stop;

6.8.9.1(13)(f) Door position switch (DPDT);

6.8.9.1(13)(g) Card reader; and

6.8.9.1(13)(h) Door will be programmed to ignore door held open status.

6.8.9.1(14) CR-03 - Typical Card Reader Door (Single) – Hold Open

6.8.9.1(14)(a) Consist of inner and outer doors to create an anteroom. Sequenced so both doors cannot be open at the same time;

6.8.9.1(14)(b) Hinges;

6.8.9.1(14)(c) Mortise passage;

6.8.9.1(14)(d) Magnetic lock;

6.8.9.1(14)(e) Door closer with holder;

6.8.9.1(14)(f) Door stop;

6.8.9.1(14)(g) Door position switch (DPDT);

6.8.9.1(14)(h) Card reader; and

6.8.9.1(14)(i) Door will be programmed to ignore door held open status.

6.8.9.1(15) CR-04 - Card Reader Door - Decontamination

6.8.9.1(15)(a) Consists of two doors that can change function via a switch located in the care team station to enter decontamination mode. When in decontamination mode, door (A) is free and can be mechanically locked with the privacy set. Door (B) is magnetically locked from the outside and releases from the inside via the Request to exit in the lever and from the outside via the card reader. In standard patient room mode, ensuite door (B) is free in both directions and door (A) is magnetically locked in both directions.

6.8.9.1(15)(b) Door A:

(b).1 Hinges;
(b).2 Mortise privacy with indicator;
(b).3 Magnetic lock;
(b).4 Door closer with holder;
(b).5 Door stop;
(b).6 Door position switch (DPDT); and
(b).7 Switch to toggle door function in and out of decontamination mode (shared with two doors). Located in the Care Team Station.

6.8.9.1(15)(c) Door B:

(c).1 Hinges;
(c).2 Power transfer;
(c).3 Mortise lockset power to lock with deadbolt, deadbolt monitor and request to exit;
(c).4 Not used;
(c).5 Door closer with holder;
(c).6 Door stop;
(c).7 Not used;
(c).8 Door position switch (DPDT);
(c).9 Card reader; and

(c).10 Switch to toggle door function in and out of decontamination mode (shared with two doors). Located in the Care Team Station.

6.8.9.1(16) CR-10 – Typical Card Reader Door (Pair)

6.8.9.1(16)(a) Hinges;

6.8.9.1(16)(b) Concealed power transfer;

6.8.9.1(16)(c) Flush bolts;

6.8.9.1(16)(d) Electronic mortise lock with request to exit;

6.8.9.1(16)(e) Door closers;

6.8.9.1(16)(f) Door stops;

6.8.9.1(16)(g) Door position switches (DPDT); and

6.8.9.1(16)(h) Card reader.

6.8.9.1(17) KP-01 - Typical Single Keypad Door

6.8.9.1(17)(a) Hinges;

6.8.9.1(17)(b) Stand-alone electronic mortise lock with keypad;

6.8.9.1(17)(c) Door closer; and

6.8.9.1(17)(d) Door stop.

6.8.9.1(18) Not used

6.8.9.1(19) PR-01 - Patient Room Doors (positive latching)

6.8.9.1(19)(a) Anti-Barricade;

6.8.9.1(19)(b) Small leaf can be released and pulled open from the corridor side;

6.8.9.1(19)(c) Continuous hinges;

6.8.9.1(19)(d) Face of door mounted flush-bolt (small leaf) mounted at 1.68 m (5’ 6”) AFF with thumb-turn operation;

6.8.9.1(19)(e) Mortise passage;

6.8.9.1(19)(f) No door closers;

6.8.9.1(19)(g) Door stop (inswing and outswing);

6.8.9.1(19)(h) Perimeter seals (for acoustics and/or room pressurization); and

6.8.9.1(19)(i) Ligature Resistant hardware for A3.5 Exam/Treatment Room-Bariatric-AIR.

6.8.9.1(20) PR-02 – Exam/Treatment – Gyne/HEENT

6.8.9.1(20)(a) Anti-Barricade;

6.8.9.1(20)(b) Small leaf can be released and pulled open from the corridor side;

6.8.9.1(20)(c) Continuous hinges;

6.8.9.1(20)(d) Face of door mounted flush-bolt (small leaf) mounted at 1.68 m (5’ 6”) AFF with thumb-turn operation;

6.8.9.1(20)(e) Mortise lockset (classroom function);

6.8.9.1(20)(f) No door closers;

6.8.9.1(20)(g) Door stop (inswing and outswing); and

6.8.9.1(20)(h) Perimeter seals (for acoustics and/or room pressurization).

6.8.9.1(21) SL-PR-01 – Sliding Patient Room Doors

6.8.9.1(21)(a) Ligature Resistant hardware for A3.3 Exam/Treatment Room-Safe;

6.8.9.1(21)(b) Break-away doors for emergency egress;

6.8.9.1(21)(c) Perimeter seals (for acoustics and/or room pressurization);

6.8.9.1(21)(d) Track and Hangers; and

6.8.9.1(21)(e) Pulls.

6.8.9.1(22) SL-PR-02 – Automatic Sliding Patient Room Doors

6.8.9.1(22)(a) Doors will be automatic sliders with break-away doors for emergency egress;

6.8.9.1(22)(b) Presence/Safety sensors; and

6.8.9.1(22)(c) Touchless actuator;

6.8.9.1(22)(d) Perimeter seals (for acoustics and/or room pressurization);

6.8.9.1(22)(e) Track and Hangers; and

6.8.9.1(22)(f) Pulls.

6.8.9.1(23) PW-01 - Patient Ensuite Bathrooms

6.8.9.1(23)(a) Anti-Barricade;

6.8.9.1(23)(b) Ligature Resistant hardware for two (2) B2.1.1 Washroom/Shower-Ensuite, one (1) C2.6.1 Washroom/Shower-Ensuite, and A3.5.2 Washroom/Shower-Patient-Bariatric-AIR;

6.8.9.1(23)(c) Door to swing into the Patient Room side;

6.8.9.1(23)(d) Hinges;

6.8.9.1(23)(e) No door closers;

6.8.9.1(23)(f) Passage set; and

6.8.9.1(23)(g) Doorstop.

6.8.9.1(24) PW-02 - Patient Ensuite Bathrooms - Bariatric

6.8.9.1(24)(a) Anti-Barricade;

6.8.9.1(24)(b) Ligature Resistant hardware for one (1) B2.4.2 Washroom/Shower-Ensuite-Bariatric-AIR, and one (1) B2.3.1 Washroom/Shower-Ensuite-Bariatric;

6.8.9.1(24)(c) 1220 mm main leaf with 305 mm secondary leaf, except 1070 mm main leaf and 460 mm secondary leaf dimensions for C2.5.2, with both door leaves to swing into the Patient Room side;

6.8.9.1(24)(d) Hinges;

6.8.9.1(24)(e) No door closers;

6.8.9.1(24)(f) Passage set; and

6.8.9.1(24)(g) Door stops.

6.8.9.1(25) PW-03 - Patient Ensuite Bathrooms

6.8.9.1(25)(a) Anti-Barricade;

6.8.9.1(25)(b) Door to swing into the Patient Room side;

6.8.9.1(25)(c) Hinges;

6.8.9.1(25)(d) No door closers;

6.8.9.1(25)(e) Privacy set; and

6.8.9.1(25)(f) Doorstop.

6.8.9.1(26) S-PW-01 – Sliding Patient Ensuite Bathroom

6.8.9.1(26)(a) Soft close/Soft open sliding door hardware; and

6.8.9.1(26)(b) Pulls.

6.8.9.1(27) SPR-01 - Secure Room Doors

6.8.9.1(27)(a) Ligature Resistant door hardware and Anti-Barricade strategy;

6.8.9.1(27)(b) Swing out of the secure room;

6.8.9.1(27)(c) Continuous hinge;

6.8.9.1(27)(d) Magnetic lock;

6.8.9.1(27)(e) 3-point locking mortise lock, 1 strike into head and two into the jamb – middle and lower;

6.8.9.1(27)(f) No door closers;

6.8.9.1(27)(g) Card reader;

6.8.9.1(27)(h) Wall-mounted door stop; and

6.8.9.1(27)(i) Be designed and constructed to comply with the requirements of the Provincial Quality, Health and Safety Standards and Guidelines for Secure Rooms in Designated Mental Health Facilities under the BC Mental Health Act.

6.8.9.1(28) IA-01 –Interview / Assessment (secondary egress door)

6.8.9.1(28)(a) Ligature Resistant door hardware;

6.8.9.1(28)(b) Mortise lockset; and

6.8.9.1(28)(c) Door stop.

6.8.9.1(29) IA-02 –Interview / Assessment (primary access door)

6.8.9.1(29)(a) Ligature Resistant door hardware;

6.8.9.1(29)(b) Hinges;

6.8.9.1(29)(c) Classroom lockset; and

6.8.9.1(29)(d) Door stop.

6.8.9.1(30) WR-01 –Washrooms, Single Occupant

6.8.9.1(30)(a) Ligature Resistant door hardware and / Anti-Barricade strategy;

6.8.9.1(30)(b) Continuous double acting hinge where door can't swing out;

6.8.9.1(30)(c) Continuous safety stop;

6.8.9.1(30)(d) Mortise privacy set with occupied indicator and ability to lock door when out of service; and

6.8.9.1(30)(e) Continuous perimeter door seal for user privacy.

6.8.9.1(31) WR-02 – Washrooms, Staff-only areas

6.8.9.1(31)(a) Hinges;

6.8.9.1(31)(b) Mortise privacy set with occupied indicator;

6.8.9.1(31)(c) Continuous perimeter door seal for user privacy;

6.8.9.1(31)(d) Closer; and

6.8.9.1(31)(e) Door stop.

6.8.9.1(32) WR-03 –Washrooms, Staff

6.8.9.1(32)(a) Hinges;

6.8.9.1(32)(b) Electronic mortise lock with keypad and privacy function;

6.8.9.1(32)(c) Closer; and

6.8.9.1(32)(d) Door stop.

6.8.9.1(33) WR-04 –Washrooms, Single Occupant Automatic

6.8.9.1(33)(a) Ligature Resistant door hardware and / Anti-Barricade strategy;

6.8.9.1(33)(b) Doors will be automatic swing; three position key switch (On/Off/Hold) for operator;

6.8.9.1(33)(c) Presence/Safety sensors;

6.8.9.1(33)(d) Push button actuators;

6.8.9.1(33)(e) Hinges;

6.8.9.1(33)(f) Push/Pull;

6.8.9.1(33)(g) Indicator Deadbolt;

6.8.9.1(33)(h) Deadbolt monitor switch; and

6.8.9.1(33)(i) Door stop.

6.8.9.1(34) SR-01 - Service Rooms

6.8.9.1(34)(a) Hinges;

6.8.9.1(34)(b) Mortise locksets;

6.8.9.1(34)(c) Door closer (where required);

6.8.9.1(34)(d) Door stop; and

6.8.9.1(34)(e) Perimeter seals (where required).

6.8.9.1(35) SR-10 - Service Rooms (pairs)

6.8.9.1(35)(a) Hinges;

6.8.9.1(35)(b) Flush bolts;

6.8.9.1(35)(c) Mortise locksets;

6.8.9.1(35)(d) Door closer (where required);

6.8.9.1(35)(e) Coordinator (where required);

6.8.9.1(35)(f) Door stops;

6.8.9.1(35)(g) Astragal; and

6.8.9.1(35)(h) Perimeter seals (where required).

6.8.9.1(36) CL-01 – Conference Room – Single

6.8.9.1(36)(a) Ligature Resistant hardware for A3.5.1 Anteroom-AIR and one (1) B2.4.1 Anteroom-AIR;

6.8.9.1(36)(b) Hinges;

6.8.9.1(36)(c) Mortise lockset (classroom function);

6.8.9.1(36)(d) Door closer; and

6.8.9.1(36)(e) Door stop.

6.8.9.1(37) CL-10 – Conference Room – Pairs

6.8.9.1(37)(a) Hinges;

6.8.9.1(37)(b) Flush bolts;

6.8.9.1(37)(c) Mortise lockset (classroom function);

6.8.9.1(37)(d) Door closer with hold open (where required due to fire rating);

6.8.9.1(37)(e) Coordinator (where required due to fire rating);

6.8.9.1(37)(f) Door stops;

6.8.9.1(37)(g) Astragal; and

6.8.9.1(37)(h) Perimeter seals (where required).

6.8.9.1(38) PA-01 - Typical Single Door (non-locking)

6.8.9.1(38)(a) Ligature Resistant hardware for A3.5.1 Anteroom-AIR and one (1) B2.4.1 Anteroom-AIR;

6.8.9.1(38)(b) Hinges;

6.8.9.1(38)(c) Mortise passage; and

6.8.9.1(38)(d) Door stop.

6.8.9.1(39) OF-01 - Typical Single Door (Offices)

6.8.9.1(39)(a) Hinges;

6.8.9.1(39)(b) Mortise lockset (office function); and

6.8.9.1(39)(c) Door stop.

6.8.9.1(40) OF-02 - Typical Single Door - On-Call Rooms

6.8.9.1(40)(a) Hinges;

6.8.9.1(40)(b) Mortise lockset with occupied indicator; and

6.8.9.1(40)(c) Door stop.

6.8.9.1(41) SL-01 - Typical Sliding Passage Door (non-locking)

6.8.9.1(41)(a) Track and Hangers; and

6.8.9.1(41)(b) Pulls.

6.8.9.1(42) SL-02 - Sliding Bi-pass Passage Door

6.8.9.1(42)(a) Track and Hangers;

6.8.9.1(42)(b) Pulls; and

6.8.9.1(42)(c) Doors can slide then fold and stack.

6.8.9.1(43) SL-03 - Sliding Door (keyed both sides)

6.8.9.1(43)(a) Track and hangers;

6.8.9.1(43)(b) Double locking lockset (key from either side locks/unlocks both sides);

6.8.9.1(43)(c) Pulls; and

6.8.9.1(43)(d) Perimeter seals (for acoustics and/or room pressurization).

6.8.9.1(44) SL-04 - Sliding Single Door

6.8.9.1(44)(a) Having modes as follows:

(a).1 Lock door C, free egress through door D with no locking capability for occupant (SRMC mode).

(a).2 Lock door D, free egress through door C with no locking capability for occupant (Nursery mode).

(a).3 Both doors operable with no locking capability for occupant (Interconnecting mode).

6.8.9.1(44)(b) Track and hangers;

6.8.9.1(44)(c) Magnetic Lock;

6.8.9.1(44)(d) Pulls; and

6.8.9.1(44)(e) Three (3) position switch to toggle door function (Shared with two doors) located in the Care Team Station.

6.8.9.1(45) SL-05 - Sliding Door (locking)

6.8.9.1(45)(a) Track and hangers;

6.8.9.1(45)(b) Mortise lockset;

6.8.9.1(45)(c) Pulls; and

6.8.9.1(45)(d) Perimeter seals (for acoustics and/or room pressurization).

6.8.9.1(46) XC-01 - Cross-corridor doors on IPU floors (Secure Double Egress). These doors are normally locked and can be released (scheduled, card reader, or in an emergency). Connected into the Patient wandering system.

6.8.9.1(46)(a) Hinges;

6.8.9.1(46)(b) Concealed power transfer;

6.8.9.1(46)(c) Exit hardware (request to exit provided in the door hardware);

6.8.9.1(46)(d) Magnetic locks;

6.8.9.1(46)(e) Door closers;

6.8.9.1(46)(f) Door stops;

6.8.9.1(46)(g) Perimeter seals (where required);

6.8.9.1(46)(h) Thresholds (where required);

6.8.9.1(46)(i) At secure vestibules provide the ability to interlock inner and outer doors; and

6.8.9.1(46)(j) Card reader.

6.8.9.1(47) ST-01 - Exit stairs from typical inpatient unit floors. These doors are normally locked and can be released (card reader or in 2nd stage fire alarm). Connected into the Patient wandering system and infant protection system as required by the Authority and described in this Schedule. Remote notification at the associated care team station. Always locked from the stair side.

6.8.9.1(47)(a) Hinges;

6.8.9.1(47)(b) Concealed power transfer;

6.8.9.1(47)(c) Exit hardware;

6.8.9.1(47)(d) Magnetic lock;

6.8.9.1(47)(e) Door closers;

6.8.9.1(47)(f) Door stops;

6.8.9.1(47)(g) Perimeter seals (where required);

6.8.9.1(47)(h) Thresholds (where required); and

6.8.9.1(47)(i) Card reader both sides.

6.8.9.1(48) ST-03 - Exit Stairs from the Maternity Services Unit. These doors are normally locked and can be released (card reader or in 2nd stage fire alarm). Remote notification at the associated care team station. Infant protection system overrides delayed egress, keeping doors locked. Card reader access from both sides.

6.8.9.1(48)(a) Hinges;

6.8.9.1(48)(b) Concealed power transfer;

6.8.9.1(48)(c) Exit hardware;

6.8.9.1(48)(d) Magnetic lock;

6.8.9.1(48)(e) Door closers;

6.8.9.1(48)(f) Door stops;

6.8.9.1(48)(g) Perimeter seals (where required);

6.8.9.1(48)(h) Thresholds (where required); and

6.8.9.1(48)(i) Card reader (both sides).

6.8.9.1(49) Provide a minimum of 2135 mm high door or door leaf, unless specifically required for access to services or other purposes where height is restricted.

6.8.9.1(50) Provide Patient room, Patient washrooms and consult/interview rooms with hardware that allows the doors to stay in an open position and facilitates casual observance of Patients by Staff.

6.8.9.1(51) For doors into or between major departments or activity areas through which cart and wheel chair traffic is anticipated on a routine

basis, provide automatic activation by an electronic device or manual push button, located to allow emergency access without the necessity to stop movement. For all other doors through which cart, or frequent Patient or Staff traffic is anticipated on a routine basis, provide appropriate hardware or automatic activation that allows the doors to stay in an open position.

6.8.9.1(52) Provide concealed bearing swing clear hinges in these locations to provide greater access and protect the hinge edge of door from mobile equipment damage that often results in misalignment and failure to close and latch to meet BC Fire Code requirements. For double egress doors where swing clear hinges are not compatible, provide full mortise continuous hinges with a full-wrap edge guard. These doors and other doors in the Facility, provide concealed bearing conventional door hinges.

6.8.9.1(53) Doors will not swing into ensuite washrooms.

6.8.9.1(54) Finish doors and frames with a suitable finish that prevents dirt and fingerprint accumulation and is easily cleaned and disinfected.

6.8.9.1(55) Provide glazing in doors to allow Patient observation and operational safety of the spaces they serve, as follows:

6.8.9.1(55)(a) as indicated in Appendix 1C [Minimum Room Requirements]; and

6.8.9.1(55)(b) in service room doors, except for mechanical, electrical, and Telecommunications Rooms. The vision panel in these rooms will have a minimum size of 150 mm x 300 mm, or as permitted by code.

6.8.9.1(55)(c) Provide blackout blinds and perimeter seals in doors where window treatment also requires blackout functionality as described in this Schedule; refer to Section 6.12.3.3.

6.8.9.1(56) Provide doors and door frames with the capability to withstand the varying and high levels of humidity and impact that occur typically within hospitals, and in specific rooms within these facilities, and maintain their inherent aesthetic and functional capacities.

6.8.9.1(57) Design doors at mechanical, electrical, plumbing and Telecommunications Rooms to swing out, unless required otherwise by code, and be lockable through access control system.

6.8.9.1(58) Provide doors into stairwells with glass vision panel (exit stairs and convenience stairs), as permitted by BCBC.

6.8.9.1(59) WR-05 - Washrooms, Bariatric, Single Occupant Main Leaf Automatic

6.8.9.1(59)(a) Anti-Barricade;

6.8.9.1(59)(b) Ligature Resistant hardware for A3.15 Washroom/Shower-Patient-Bariatric;

6.8.9.1(59)(c) Small leaf can be released and pulled open from the corridor side;

6.8.9.1(59)(d) Face of door mounted flush-bolt (small leaf) mounted at 1.68 m (5’ 6”) AFF with thumb-turn operation;

6.8.9.1(59)(e) Main door leaf will be automatic swing; three position key switch (On/Off/Hold) for operator;

6.8.9.1(59)(f) Presence/Safety sensors;

6.8.9.1(59)(g) Push button actuators;

6.8.9.1(59)(h) Hinges;

6.8.9.1(59)(i) Push/Pull;

6.8.9.1(59)(j) Indicator Deadbolt;

6.8.9.1(59)(k) Deadbolt monitor switch; and

6.8.9.1(59)(l) Door stop.

6.8.9.1(60) WR-06 - Washrooms, Bariatric, Single Occupant Dual Leaf Automatic

6.8.9.1(60)(a) 6.8.9.1(60)(a) Anti-Barricade;

6.8.9.1(60)(b) 6.8.9.1(60)(b) Ligature Resistant hardware for A3.15 Washroom/Shower-Patient-Bariatric;

6.8.9.1(60)(c) 6.8.9.1(60)(c) Automatic Flush bolt (small leaf top only)

6.8.9.1(60)(d) 6.8.9.1(60)(d) Both door panels will be automatic swing; three position key switch (On/Off/Hold) for operator;

6.8.9.1(60)(e) 6.8.9.1(60)(e) Presence/Safety sensors;

6.8.9.1(60)(f) 6.8.9.1(60)(f) Push button actuators;

6.8.9.1(60)(g) 6.8.9.1(60)(g) Hinges;

6.8.9.1(60)(h) 6.8.9.1(60)(h) Push/Pull;

6.8.9.1(60)(i) 6.8.9.1(60)(i) Indicator Deadbolt;

6.8.9.1(60)(j) 6.8.9.1(60)(j) Deadbolt monitor switch; and

6.8.9.1(60)(k) 6.8.9.1(60)(k) Door stop.

6.8.9.1(61) AO-01a – Interior automatic slider (non-locking)

6.8.9.1(61)(a) Doors will be automatic sliders;

6.8.9.1(61)(b) Touch-free actuators; and

6.8.9.1(61)(c) Presence/Safety sensors.

6.8.10 Keying

6.8.10.1 Provide factory master keyed cylinders. Cylinders will be construction keyed. Permanent keys will be given directly to the Authority by the manufacturer. Four (4) keys will be supplied for each lock cylinder. Install permanent cylinders prior to Substantial Completion.

6.8.10.2 Keying requirements

6.8.10.2(1) Supply and install geographically exclusive, patent-protected interchangeable core 6-pin cylinders (factory recorded, factory pinned), with patent at minimum to the year 2029. The manufacturer will continue to enforce its key control policies and ordering authorization/verification for cylinders, cores, cut keys, and key blanks for the life of the key system, even after patent expiration.

6.8.10.2(2) Implement a 4-level system.

6.8.10.2(3) Keying groups will be assigned by the Authority.

6.8.10.2(4) New key bittings will be provided to and controlled by the Authority.

6.8.10.2(5) Turn over keys from factory to the Authority.

6.8.10.2(6) Provide four (4) keys for each lock cylinder.

6.8.10.2(7) Provide Key Schedule to the Authority.

6.8.10.2(8) Design-Builder will remove construction cores and install permanent cores under the direction of the Authority.

6.8.10.2(9) See Section 7.9 and Appendix 1C [Minimum Room Requirements] for additional requirements.

6.8.11 Windows

6.8.11.1 General Requirements

6.8.11.1(1) Size, configure, and adequately construct windows for areas that require daylight, views and/or natural ventilation. Refer to Section 5.6.1.5 Access to Daylight and Views for minimum window size in certain areas.

6.8.11.1(2) Provide Borrowed Light deep into the Facility, either through interior windows to occupied rooms that do not have exterior windows or through other means. The intent will borrow light to create a more comfortable and less closed-in environment that will benefit Staff and Patients alike.

6.8.11.1(3) Coordinate glazing heights with adjacent wall protection, handrails, and other accessories to achieve functional and aesthetic cohesiveness.

6.8.11.1(4) Framing members, mullions, and similar members to accept integral blinds to have adequate structural strength to support weight of glass and louvers. Frames will be level, plumb, square, and in plane. Provisions will be made in frames to receive required hardware and accessories. Integral blinds in exterior windows will be enclosed in separate cavity accessible from the inside of room for repair without the need to remove/replace the thermal unit assembly.

6.8.11.2 Exterior Windows

6.8.11.2(1) All exterior windows will conform to ASHRAE 90.1, complete with thermal breaks.

6.8.11.2(2) Size, configure, and adequately construct windows to suit rooms that require daylight, views and/or natural ventilation.

6.8.11.2(3) Provide window framing systems that are thermally broken and designed based on principles of pressure equalized rain screen wall.

6.8.11.2(4) The exterior window in Secure Rooms will be designed and constructed to comply with the requirements of the provincial Quality, Health and Safety Standards and Guidelines for Secure Rooms in Designated Mental Health Facilities under the BC Mental Health Act.

6.8.11.3 Interior Windows

6.8.11.3(1) Provide Borrowed Light through interior windows to occupied rooms that do not have exterior windows. The intent will borrow light from areas that have windows and consequently create a more comfortable and more open atmosphere.

6.8.11.3(2) For Secure Rooms and their associated Anterooms, provide an interior window (in-door observation panel) in each door in accordance with the Provincial Quality, Health and Safety Standards and Guidelines for Secure Rooms in Designated Mental Health Facilities under the BC Mental Health Act.

6.8.11.3(3) Coordinate glazing heights with adjacent wall protection, handrails, and other accessories to achieve functional and aesthetic cohesiveness.

6.8.11.3(4) Provide interior windows in all meeting rooms, including the following:

6.8.11.3(4)(a) Meeting Room;

6.8.11.3(4)(b) Meeting Room-Large; and

6.8.11.3(4)(c) Multipurpose Room-EOC;

6.8.11.3(5) The extent of glass in the meeting room interior windows will be from floor to finished ceiling, and from interior wall to interior wall of the conference room facing the adjacent circulation corridor or conference room.

6.8.11.3(6) Provide roller blinds and/or privacy film on meeting room interior windows for privacy.

6.8.12 Aluminum Curtain Walls

6.8.12.1 Aluminum curtain walls will comply with all applicable Standards, including the Aluminum Association Standards (AAS) and the American Architectural Manufacturers Association (AAMA) field testing specifications.

6.8.12.2 Incorporate in the curtain wall framing a drained and vented system complete with air and vapour seal, allowing any water entering the framing/system and the glazing detail cavities to drain to the exterior and also allow air into the pressuring chamber.

6.8.12.3 Provide curtain wall framing that incorporates a thermal-break.

6.8.12.4 For exposed aluminum surfaces, provide a finish that is permanent and resistant to corrosion resulting from weather exposure and climate.

6.8.12.5 Provide assemblies that resist local seismic conditions.

6.8.13 Aluminum Windows

6.8.13.1 Aluminum windows will comply with all applicable Standards, including the Aluminum Association Standards (AAS) and the American Architectural Manufacturers Association (AAMA) field testing specifications. Provide Architectural Grade windows unless otherwise noted.

6.8.13.2 Incorporate in windows a drained and vented system complete with air and vapour seal, allowing any water entering the framing/system and the glazing detail cavities to drain to the exterior and also allow air into the pressuring chamber.

6.8.13.3 Provide windows that incorporate a thermal-break.

6.8.13.4 For exposed aluminum surfaces, provide a finish that is permanent and resistant to corrosion resulting from weather exposure and climate.

6.8.13.5 Provide assemblies that resist local seismic conditions.

6.8.14 Skylights

6.8.14.1 Skylights will comply with all applicable Standards, including the Aluminum Association Standards (AAS), and the American Architectural Manufacturers Association (AAMA) field testing specifications.

6.8.14.2 Roof or skylight glazing may be provided where natural light is required in interior spaces to augment or complement interior ambient lighting.

6.8.14.3 For exposed aluminum surfaces, provide a finish that is permanent and resistant to corrosion resulting from weather exposure and climate.

6.8.15 Tubular Daylighting Devices (light tubes)

6.8.15.1 Tubular daylighting devices may be provided in interior spaces to augment or complement interior ambient lighting.

6.8.15.2 Provide tubular daylighting devices as follows:

6.8.15.2(1) transparent roof mounted skylight dome and self-flashing curb, reflective tube and ceiling level diffuser assembly;

6.8.15.2(2) complying with the International Code Council ICC AC-16; and

6.8.15.2(3) minimum tube diameter will be 530 mm.

6.8.16 Glass and Glazing

6.8.16.1 Glass and glazing will comply with all applicable Standards, including the Insulating Glass Manufacturers Association of Canada (IGMAC) Guidelines and

the Glazing Contractors Association of B.C. (GCA) Glazing Systems Specifications Manual.

6.8.16.2 Exterior and/or interior glass and glazing may be provided as integral components of the exterior envelope, interior partitions and screens, exterior and interior doors, handrail balustrades, skylights and decorative and ornamental glazing.

6.8.16.3 Provide assemblies that resist local seismic conditions as a post-disaster building as defined in the BCBC.

6.8.16.4 Unless otherwise noted, use 6.0 mm clear fully tempered laminated glass with safety glazing labelling in entry doors and sidelights, or as the inboard light of a double-glazed skylight.

6.8.16.5 The exterior and interior glazing types listed below describe the minimum requirements for glazing in the Secure Room in the Emergency Department of the Facility and are in addition to any other requirements of this Schedule. Where a glass type is not provided in Appendix 1C [Minimum Room Requirements], such as for a corridor window, the Authority will determine if the area is high or low risk.

6.8.16.6 Exterior Glazing Types:

6.8.16.6(1) Type EXT-1: For exterior glazing in high risk areas and as defined Appendix 1C [Minimum Room Requirements], provide the following:

6.8.16.6(1)(a) Exterior: 6 mm clear tempered low 'E' glass

6.8.16.6(1)(b) Cavity: 12.7 mm (1/2”) hermetically sealed argon filled airspace.

6.8.16.6(1)(c) Interior: 9 mm (7/16") Glass Clad Polycarbonate:
(c).1 3 mm Clear Heat Strengthened
(c).2 3 mm Lexan
(c).3 3 mm Clear Heat Strengthened

6.8.16.6(1)(d) Anti-spall film on #6 surface

6.8.16.6(1)(e) Low ‘E’ Coating: On the #2 surface

6.8.16.6(1)(f) Adjust cavity for integral blind system as required

6.8.16.6(2) Type EXT-2: For exterior glazing in lower risk areas and as defined Appendix 1C [Minimum Room Requirements], provide the following:

6.8.16.6(2)(a) Exterior: 6 mm clear tempered low 'E' glass

6.8.16.6(2)(b) Cavity: 12.7 mm (1/2”) hermetically sealed argon filled airspace

6.8.16.6(2)(c) Interior: 6 mm clear tempered laminated glass:
- (c).1 3 mm clear tempered
- (c).2 090 ionoplast interlayer
- (c).3 3 mm clear tempered

6.8.16.6(2)(d) Low ‘E’: On the #2 surface

6.8.16.6(3) Type EXT-3: For exterior glazing in Secure Rooms, provide the following;

6.8.16.6(3)(a) Exterior: 6 mm clear tempered low ‘E’ glass

6.8.16.6(3)(b) Cavity: 12.7 mm (1/2”) hermetically sealed argon filled airspace

6.8.16.6(3)(c) Interior: 9 mm (7/16") Glass Clad Polycarbonate:
- (c).1 3 mm Clear Heat Strengthened
- (c).2 3 mm Lexan
- (c).3 3 mm Clear Heat Strengthened

6.8.16.6(3)(d) Anti-spall film on #6 surface

6.8.16.6(3)(e) Low ‘E’ on the #2 surface

6.8.16.6(3)(f) Cavity for integral blind system as required

6.8.16.6(3)(g) Glass-clad polycarbonate performance requirements include compliance with the following:
- (g).1 HP White HPW-TP-0500.02 Forced Entry Level 1 (Report WJE 972491)
- (g).2 HP White HPW-TP-0500.02 Ballistics Level A (Report HPW 7305-09A)

6.8.16.6(4) Type EXT-1 and EXT-3 will comply with 2000 ft-lb impact test as specified by New York State Office of Mental Health, Patient Safety Standards – Materials and Systems Guidelines and AAMA 501.8 Standard Test Method for Determination of Resistance to Human Impact of Window Systems Intended for Use in Psychiatric Applications.

6.8.16.6(5) Apply security film to the interior surface of exterior glazing in the Secure Room. Security Film will be 3M 'ULTRA S600' or approved equal and extend to the outer edge of the glass panel so that the glazing remains in the frame if damaged.

6.8.16.6(6) Apply security film to the interior and exterior surfaces of exterior glazing for all rooms in the Pharmacy that have windows on the exterior wall. Security film on the interior surface of the glazing will be 3M S70 or approved equal. Security film on the exterior surface of the glazing will be 3M Ultra S800, with no alternatives permitted. The security film applied to both the internal and external glazing surfaces will extend to the outer edge of the glass panel so that the glazing remains in the frame if damaged.

6.8.16.7 Interior Glazing Types:

6.8.16.7(1) Type INT-1: For interior windows, sidelights and door glazing in higher risk areas and as defined Appendix 1C [Minimum Room Requirements], provide the following:

6.8.16.7(1)(a) 12 mm clear tempered laminated glass:
(a).1 3 mm Clear Tempered
(a).2 6 mm Polycarbonate Lexan
(a).3 3 mm Clear Tempered

6.8.16.7(2) Type INT-2: For interior windows, sidelights and door glazing in lower risk areas and as defined Appendix 1C [Minimum Room Requirements], provide the following:

6.8.16.7(2)(a) 12 mm clear tempered laminated glass:
(a).1 6 mm Clear Tempered
(a).2 1.5 mm PVB interlayer
(a).3 6 mm Clear Tempered

6.8.16.7(3) Type INT-3: For interior windows, sidelights and door glazing in higher risk areas and as defined Appendix 1C [Minimum Room Requirements], where integral blinds are required, provide the following:

6.8.16.7(3)(a) 12 mm clear tempered laminated glass:
(a).1 3 mm Clear Tempered
(a).2 6 mm Polycarbonate Lexan
(a).3 3 mm Clear Tempered

6.8.16.7(3)(b) Cavity for integral blind system as required

6.8.16.7(3)(c) 12 mm clear tempered laminated glass:
(c).1 3 mm Clear Tempered
(c).2 6 mm Polycarbonate Lexan
(c).3 3 mm Clear Tempered

6.8.16.7(4) Provide non-breakable interior glass barriers, with edges ground smooth and polished from the countertop surface to a minimum

height of approximately 1.37 m AFF or as otherwise reviewed with the Authority at all Care Team Stations in the Emergency Department to allow vision and communication while still maintaining a reasonable level of Staff security.

6.8.16.8 Mirrors

6.8.16.8(1) Provide mirrors in all locations indicated in Appendix 1C [Minimum Room Requirements].

6.8.16.8(2) Provide unframed wall mirrors 2135 mm AFF, consisting of 6 mm thick minimum float glass backed with electrolytically-applied copper plating, providing wall coverage as determined in consultation with the Authority, in the Rehabilitation Room-Satellite. Grind smooth and polish all edges.

6.8.16.8(3) Provide one-piece, stainless steel channel frame with a No. 1 quality, 6 mm thick float glass mirror backed with electrolytically applied copper plating for all wall-mounted posture mirrors and adjustable mirrors in Patient Room-Private-SRMC. Back with galvanized steel.

6.8.16.8(4) Provide Vandal Resistant convex safety mirrors in Facility corridors as follows:

6.8.16.8(4)(a) Provide mirrors made from polycarbonate with a minimum tensile strength of 9,400 psi at all intersections where stretchers, beds, equipment or carts are travelling;

6.8.16.8(4)(b) Completely fill the cavity behind the mirrors with high-density water-blown urethane foam;

6.8.16.8(4)(c) Mirror perimeter will be secured with fully enclosed heavy-duty powder coated steel frame mounted flush with the wall and ceiling and with countersunk screw holes with Tamper Resistant fasteners; and

6.8.16.8(4)(d) Provide and install an additional 10% of mirrors above those planned in the design phase as directed by the Authority based on review of post-occupancy operations prior to Total Completion.

6.8.17 Finish Hardware

6.8.17.1 Finish hardware will comply with all applicable Standards, including the quality Standards of the Door and Hardware Institute.

6.8.17.2 Provide all finish hardware from one supplier that is a member in good standing of the Door and Hardware Institute and has in its employ one or more architectural hardware consultants.

6.8.17.3 Hardware will be integrated with the security requirements and coordinated with electrical wiring and power requirements.

6.8.17.4 Finishes will be selected to provide maximum longevity and preservation of the finish. Provide a permanent, non-toxic antimicrobial finish on frequently touched hardware to reduce the spread of infection.

6.8.17.4(1) Frequently touched hardware includes all door handles in the Facility, except those on doors serving the following spaces:

6.8.17.4(1)(a) Cart Marshalling Room;

6.8.17.4(1)(b) Retail areas and retail storage areas;

6.8.17.4(1)(c) IM/IT Support Room;

6.8.17.4(1)(d) On-Call Rooms;

6.8.17.4(1)(e) Secure Room; and

6.8.17.4(1)(f) Other service rooms such as electrical service rooms, Telecommunication Rooms and mechanical service rooms.

6.8.17.5 Provide, where applicable, ULC-listed hardware for the required fire rating.

6.8.17.6 Use heavy-duty Grade 1 commercial quality hardware; locksets and latch sets fully mortised type and lever handles of solid material.

6.8.17.7 Hardware will not penetrate the floor.

6.8.17.8 For special areas provide hardware to suit the purposes unique to those areas.

6.9 Finishes (Division 9)

6.9.1 Basic Requirements

6.9.1.1 In areas where finishes and systems of installation will occur and water is anticipated to be present as part of cleaning or other procedures, allow water to collect and exit without causing damage to the finishes or substrate.

6.9.1.2 For areas in which wear is a concern, such as areas with anticipated pedestrian or wheeled traffic, use durable finish materials able to withstand damage and easily replaceable in sections if damage does occur.

6.9.1.3 Give priority to infection prevention and control in the selection of finishes for all Clinical Spaces; refer to Section 5.7.1 Infection Control.

6.9.1.4 Acoustic characteristics of finish materials will meet the requirements of Section 5.6.3 Acoustics and Noise Control and Appendix 1D [Acoustic and Noise Control Measures].

6.9.1.5 Select the appearance of finishes and colours to create and promote a natural healing environment, prevent glare, and minimize artificial lighting requirements.

6.9.1.6 Select materials to promote sustainability, for instance, by having features of low-emissivity or comprising renewable resources.

6.9.1.7 Select finish materials that do not use known carcinogenic material or chemicals in their manufacture or disposal. Consult the Green Guide for Healthcare.

6.9.2 Gypsum Wallboard

6.9.2.1 Do not apply GWB until bucks, anchors, blocking, insulation, vapour barrier, and electrical and mechanical work, which will be concealed after GWB application, are subject to pre-boarding inspections by the Authority.

6.9.2.2 Where GWB systems are required to provide fire resistance ratings, design wall assemblies tested by fire testing laboratories acceptable to Authorities Having Jurisdiction.

6.9.2.3 GWB application and finishing will be fully coordinated with the work of other Subcontractors.

6.9.2.4 MMRGWB will be used behind wet wall panel system in showers or other wet areas (areas exposed to liquids and moisture). Reinforced cementitious board or cementitious backer unit may be used as an alternative to moisture-resistant GWB. Moisture-resistant GWB will be full height and extend from wall to wall in all areas exposed to liquids and moisture;

6.9.2.5 Provide ARGWB and/or IRGWB where required by Appendix 1C [Minimum Room Requirements] or as otherwise indicated to suit the Authority’s functional requirements.

6.9.2.6 Provide IRGWB to minimum 1.2 m AFF in all corridors.

6.9.2.7 Use glass scrim exterior sheathing GWB wherever exterior GWB sheathing is required at exterior walls.

6.9.2.8 The bottom edge of GWB will be set at a minimum of 12 mm AFF, and the gap will be fully sealed.

6.9.2.9 Materials and workmanship for GWB and accessories will conform to the following:

6.9.2.9(1) AWCC Wall and Ceiling Specification Standards Manual;

6.9.2.9(2) Northwest Walls and Ceilings Bureau (NWCB) Recommended Levels for Finishing of Gypsum Board standard;

6.9.2.9(3) Applicable requirements of ASTM C754 for installation of steel framing;

6.9.2.9(4) Applicable requirements and recommendations of GA 216 Recommended Specifications for the Application and Finishing of Gypsum Board, except for more stringent requirements of manufacturer;

6.9.2.9(5) Conforming will: ASTM C1658, ASTM C1396, ASTM C1177 and ASTM C1629;

6.9.2.9(6) Soft-body impact penetration: to ASTM E695;

6.9.2.9(7) Applicable requirements and recommendations of Gypsum Association GA 216, Recommended Specifications for the Application and Finishing of Gypsum Board except for more stringent requirements of manufacturer;

6.9.2.9(8) Finish GWB in accordance with applicable requirements and recommendations of GA 214 Recommended Levels of Finish for Gypsum Board, Glass-Mat and Fiber-Reinforced Gypsum Panels. Where more stringent requirements from the manufacturer exist, the Design-Builder will conform to those requirements. Wherever a high-performance architectural latex system is provided in accordance with Section 5.6.5.1(5)(c) of this Schedule, a Level 4 finish will be provided. In accordance with GA 214, jobsite mock-ups will be provided for finish Levels 3, 4, and 5 for the Authority's review and approval;

6.9.2.9(9) Apply acoustical sealant to meet Appendix 3C [Acoustic and Noise Control Measures] in accordance with applicable requirements of ASTM C919 Standard Practice for Use of Sealants in Acoustical Applications;

6.9.2.9(10) GWB shaft wall liner: conform to ASTM C1396;

6.9.2.9(11) Cement board: conform to ANSI A118.9, 12.5 mm cementitious tile backer board. High strength Portland cement building panel with self-adhesive glass tape;

6.9.2.10 Acceptable Products and Materials

6.9.2.10(1) GWB and Accessories: Listed products establish standard of quality and are manufactured by CGC Inc. Mississauga, Ontario or United States Gypsum Company (USG), Chicago, IL.

6.9.2.10(2) Steel Framing and Furring: Company acceptable to installer.

6.9.2.10(3) Grid Suspension Assemblies: Listed products establish standard of quality and are manufactured by CGC Inc. Mississauga, Ontario or United States Gypsum Company (USG), Chicago, IL.

6.9.2.11 Design for each type of GWB and related products is based on CGC Inc. products named. Subject to compliance with requirements, provide the named product or a comparable product by one of the following:

6.9.2.11(1) GWB: ASTM C1396/C1396M

6.9.2.11(1)(a) Thickness: 12.7 mm (1/2''), 15.9 mm (5/8'')

6.9.2.11(1)(b) Long Edges: Tapered

6.9.2.11(2) GWB, Type X: ASTM C1396/C1396M

6.9.2.11(2)(a) Thickness: 12.7 mm (1/2'') Type C, 15.9 mm (5/8'') Type X, 15.9 mm (5/8'') Type C

6.9.2.11(2)(b) Long Edges: Tapered

6.9.2.11(3) Gypsum Ceiling Board: ASTM C1396/C1396M

6.9.2.11(3)(a) Thickness: In accordance with applicable standards and structural support system/spacing;

6.9.2.11(3)(b) Long Edges: Eased or Tapered

6.9.2.11(4) ARGWB: ASTM C1629/C1629M. Within ASTM C1629, scores a Level 1 for Hard Body Impact.

6.9.2.11(4)(a) Thickness: 15.9 mm (5/8");

6.9.2.11(4)(b) Long Edges: Tapered; and

6.9.2.11(4)(c) Mould Resistance: When tested in accordance with ASTM D3273, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, the panels score a 10.

6.9.2.11(5) IRGWB: ASTM C1629/C1629M. Within ASTM C1629, scores a Level 2 for Hard Body Impact.

6.9.2.11(5)(a) Thickness: 15.9 mm (5/8'');

6.9.2.11(5)(b) Long Edges: Tapered; and

6.9.2.11(5)(c) Mould Resistance: When tested in accordance with ASTM D3273, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, the panels score a 10.

6.9.2.11(6) MMRGWB ASTM C1658/C1658M. With moisture and mould-resistant core and fiberglass facers.

6.9.2.11(6)(a) Thickness: 12.7 mm (1/2’’), 15.9 mm (5/8’’) Type X;

6.9.2.11(6)(b) Long Edges: Tapered; and

6.9.2.11(6)(c) Mould Resistance: When tested in accordance with ASTM D3273, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, the panels score 10.

6.9.2.11(7) Shaft wall systems:

6.9.2.11(7)(a) Liner boards: ASTM C1658, with fiberglass mat laminated to both sides;

6.9.2.11(7)(b) Thickness: 25.4 mm (1’’);

6.9.2.11(7)(c) Edges: Double beveled; and

6.9.2.11(7)(d) Mould Resistance: When tested in accordance with ASTM D3273, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, the panels score a 10.

6.9.2.11(8) Exterior GWB for ceilings and soffits

6.9.2.11(8)(a) Glass-Mat Gypsum Sheathing Board: ASTM C1177, with fiberglass mat laminated to both sides and with manufacturer's standard edges. This panel can be used for exterior ceilings and soffit applications;

6.9.2.11(8)(b) Thickness: 12.7 mm (1/2’’), 15.9 mm (5/8’’) Type X;

6.9.2.11(8)(c) Edges: Square; and

6.9.2.11(8)(d) Mould Resistance: When tested in accordance with ASTM D3273, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, the panels score a 10.

6.9.2.11(9) Tile backing panels;

6.9.2.11(9)(a) Glass-Mat, Water-Resistant Backing Board: ASTM C1178/C1178M, with manufacturer's standard edges;

6.9.2.11(9)(b) Thickness: 12.7 mm (1/2’’), 15.9 mm (5/8’’) Type X;

6.9.2.11(9)(c) Long Edges: Tapered;

6.9.2.11(9)(d) Mould Resistance: When tested in accordance with ASTM D3273, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, the panels score a 10.

6.9.2.11(10) Cementitious Backer Units: ANSI A118.9 and ASTM C1325, with manufacturer's standard edges.

(a).1 Thickness: 12.7 mm (1/2”).

6.9.2.11(11) Edges: Tapered Glass matte surfaced gypsum sheathing board will be used wherever exterior gypsum sheathing is required at exterior walls.

6.9.2.12 Fasteners

6.9.2.12(1) Fasteners for GWB: with corrosion resistant finish to ASTM C1002-01/ASTM C954 -04.

6.9.2.12(2) For cement board: with corrosion resistant polymer finish.

6.9.2.12(3) Tamper Resistant fasteners: Fasteners on all products and systems exposed to view and accessible to Patients will be Tamper Resistant, conforming to ISO standard 10664.

6.9.3 Ceilings

6.9.3.1 Ceiling finish for infection control purposes will comply with Section 5.7.1 and CSA Z8000-18, Section 12.2.5.4 Ceilings.

6.9.3.2 Architectural Ceilings

6.9.3.2(1) Architectural ceilings will consist of decorative SACT, wood linear ceiling system or other architectural elements, including lighting and GWB bulkheads.

6.9.3.2(2) Architectural ceilings will serve as a contrasting feature to enhance the thematic décor, lighting and provide visual cues at gathering areas and points of transition along the Staff, public or Patient’s journey within the Facility. Areas where the Authority expects architectural ceilings will be applied include the following;

6.9.3.2(2)(a) Public Passenger Elevator lobbies;

6.9.3.2(2)(b) Registration areas;

6.9.3.2(2)(c) Kiosks;

6.9.3.2(2)(d) Waiting areas or lounges;

6.9.3.2(2)(e) Entrances areas;

6.9.3.2(2)(f) Retail areas; and

6.9.3.2(2)(g) where Front of House corridors intersect.

6.9.3.3 Suspended Acoustic Ceiling Tile

6.9.3.3(1) SACT will be non-directional, fissured pattern, white ceiling panel, trim edge detail square to fit a standard T-bar grid panel size.

6.9.3.3(2) Install SACT in the suspension system to provide reverberation control (NRC rating) and sound isolation (CAC rating) as required to suit the intended function of the room. The minimum NRC rating and CAC will be 0.70 and 35, respectively, except for in the following conditions:

6.9.3.3(2)(a) Where washable tiles are required to meet infection control requirements set out in Section 5.7.1, provide minimum NRC 0.50; and

6.9.3.3(2)(b) For meeting rooms provide minimum NRC 0.70 (CAC not applicable).

6.9.3.3(3) Provide accessibility to the ceiling spaces where access is required to mechanical, electrical or other service systems.

6.9.3.3(4) Provide SACT for the normal occupancy condition range of 15°C–29°C and maximum 70% relative humidity. When the service use temperature and relative humidity are expected to exceed these ranges, use acoustical units specifically designed for such applications.

6.9.3.3(5) In areas where SACT panels will be frequently removed for plenum access such as corridors, provide acoustic tiles with excellent resistance to surface scratching, scuffing or chipping in accordance with Hess Rake Test.

6.9.3.3(6) SACT in all food preparation and food storage areas such as Food Serveries will be washable. Provide wash resistance without compromising panel finish integrity, using a washability test in

accordance with ATSM D4828 Standard Test Methods for Practical Washability of Organic Coatings.

6.9.3.4 GWB Ceilings

6.9.3.4(1) Construct GWB ceilings as described in Section 6.9.2.11 where fire rating is not required. In fire rated rooms the GWB will be fire rated and the thickness of the GWB will be determined by the rating required by BCBC.

6.9.3.4(2) Provide GWB ceilings as indicated in Appendix 1C [Minimum Room Requirements] including the following, at minimum:

6.9.3.4(2)(a) Provide ARGWB and IRGWB ceilings as set out in Appendix 1C [Minimum Room Requirements] and in other spaces where a high-risk Patient could be left unsupervised, as determined in consultation with the Authority.

6.9.3.4(3) Pre-finished metal access hatches will match adjacent ceiling colour.

6.9.3.4(4) Suspended Ceiling components: Provide either traditional framed suspension system components or manufactured direct-hung grid suspension system, as set out below:

6.9.3.4(4)(a) Grid Suspension Assemblies:

(a).1 Tie wire: ASTM A641 / A641M
- (a).1.1 Diameter: minimum 1.291 mm;
- (a).1.2 Coating: Class 1 zinc; and
- (a).1.3 Temper: soft.

(a).2 Wire hangers: ASTM A641 / A641M
- (a).2.1 Diameter: minimum 3.26 mm;
- (a).2.2 Coating: Class 1 galvanized; and
- (a).2.3 Temper: soft.

(a).3 Furring anchorages: ASTM C754
- (a).3.1 Diameter: minimum 1.291 mm;
- (a).3.2 Coating: galvanized; and
- (a).3.3 Standard wire type clips, bolts, nails or screws.

(a).4 Hanger attachments:
- (a).4.1 Cast-in-place concrete anchors: fabricated from corrosion-resistant materials with holes or loops for attaching wire hangers and capable of sustaining, without failure, a load equal to five (5) times that imposed by

construction as determined by testing in accordance with ASTM E488 by an independent testing agency;

(a).4.2 Composite deck anchors: “X-CW Ceiling Wire Assembly” by Hilti or acceptable alternative as reviewed by the Authority; and

(a).4.3 Attachment to structural steel components: comply with ASTM C754.

(a).5 Carrying channels: ASTM C645, cold-rolled commercial-grade streel.

(a).5.1 Minimum base metal thickness: 0.455 mm, not painted;

(a).5.1.1 GWB thickness: 0.836 mm (white);

(a).5.1.2 Cement board thickness: 1.367 mm (green);

(a).5.2 Dimensions of primary carrying member in suspended ceilings and of horizontal stiffeners or bracing in metal stud systems: 38 mm in height with 19 mm flanges.

6.9.3.4(4)(b) Grid Suspension System for Ceilings:

(b).1 ASTM C645-compliant direct-hung system composed of commercial-quality, cold-rolled steel main beams and cross-furring members that interlock with the following characteristics:

(b).1.1 Main tees: fire-rated heavy duty classification with integral reversible splice with knurled face;

(b).1.2 Cross members: fire-rated members with knurled face;

(b).1.3 Cross tees: 38 mm in height by 1220 mm nominal in length with 38 mm face;

(b).1.4 Accessory cross tees: complete with knurled faces;

(b).1.5 Wall mouldings: single web with knurled face;

(b).1.6 Accessories: transition clips, splice clips, wall attachment clips, splice plates and dome hubs for specific applications; and

(b).1.7 Finish: hot-dip galvanized.

6.9.4 Flooring

6.9.4.1(1) Refer to Appendix 1C [Minimum Room Requirements] for flooring materials and finish requirements.

6.9.4.1(2) Use adhesive for resilient flooring that meets or exceeds the United States Environmental Protection Agency (EPA) Standards for acceptable VOC concentration and emission rates. Use water-soluble, low-odour flooring adhesive, of types recommended by flooring manufacturer.

6.9.4.1(3) Provide flooring and floor finishes to meet the infection control requirements set out in Section 5.7.1.

6.9.4.1(4) All preparation, materials, and workmanship will be in strict accordance with NFCA requirements and material manufacturer's written recommendations and detail requirements for conditions of work that apply, and guarantee / Warranty Periods noted herein. Comply with the NFCA Specification Standards Manual.

6.9.4.1(5) Any preparation, materials, and workmanship that do not meet NFCA requirements will be repaired or replaced in accordance with Quality Assurance requirements at no additional cost to the Authority.

6.9.4.1(6) Use heavy-duty materials for flooring on which wheeled or service vehicle traffic is anticipated and to which wear and damage may result.

6.9.4.1(7) Use permanent, heavy-duty integral materials for flooring in areas subject to moisture and heat over extended periods of time.

6.9.4.1(8) Use suitable flooring in Patient and Staff areas where cart traffic is expected or where cleaning on a regular basis is necessary.

6.9.4.1(9) Finish flooring in accordance with the manufacturer’s operational specification. Do not apply sealer or wax. Finish flooring to the Authority’s approval.

6.9.4.2 Performance Requirements

6.9.4.2(1) All Work will be done under the Quality Assurance (QA) Program and will be reviewed in strict accordance with NFCA QA requirements by a qualified inspection agency assigned by the Provincial Floor Covering Trade Association having jurisdiction.

6.9.4.2(2) Form flash coved bases 150 mm high, straight cut, with cove former, finished with metal J-cap and apply silicone caulking to any gaps to address infection control requirements.

6.9.4.2(3) At links between the Facility and the Existing Hospital, all joints between the new flooring products and existing flooring will be hot welded.

6.9.4.2(4) Where there is no existing product to butt against, finish edging finish with vinyl finishing strip in accordance with the manufacturers' specifications.

6.9.4.2(5) Use anti-static flooring materials for Telecommunications Rooms.

6.9.4.2(6) Provide flatness and levelness remediation as required to meet floor finish requirements. Measure for floor flatness (FF) and floor levelness (FL) tolerances for floors to ASTM E1155.

6.9.4.2(7) Provide overall value of FF 36 / FL 20. Correct the slab surface if the actual F (FF) or F (FL) number for the floor installation measures less than required. Correct defects in the defined traffic floor by grinding or removal. Apply leveling compound approved by the flooring product manufacturer to remediate, as required. Re-measure corrected areas by the same process.

6.9.4.2(8) Vinyl Resilient Flooring

6.9.4.2(8)(a) Provide slip-resistant homogeneous single layered, vinyl flooring to meet the following certification and classifications:

(a).1 Type I
(a).2 Commercial: 34
(a).3 Industrial: 43

6.9.4.2(8)(b) Choose products with exposed surface having anti-bacterial properties to prevent entry of gram-positive and gram-negative micro-organisms. Weld all seams. Provide integral cove bases.

6.9.4.2(8)(c) Provide slip-resistant flooring with a minimum DCOF AcuTest of 0.42 on level surfaces and 0.8 on ramps.

6.9.4.2(8)(d) Do not use products that require a sealer or wax. Finish flooring with high speed buffing in accordance with manufacturer's specification.

6.9.4.2(8)(e) Heat weld all seam joints.

6.9.4.2(8)(f) Provide anti-reflective finish.

6.9.4.2(8)(g) Ensure an Impact Sound Reduction of 6 dB when tested in accordance with ISO 717-2.e.

6.9.4.2(8)(h) Will have Group T wear rating in accordance with European Standard EN 660.

6.9.4.2(9) Linoleum Sheet Flooring

6.9.4.2(9)(a) If linoleum sheet flooring is used, provide with a homogenous core of primarily natural materials, consisting of linseed oil, wood flour, and resin binders mixed and calendared onto a natural jute backing. Weld all seams. Provide a minimum 150 mm high integral cove base at all locations. Linoleum sheet flooring will only be used in areas as approved by the Authority.

6.9.4.2(10) Rubber Resilient Flooring

6.9.4.2(10)(a) Provide 3.0 mm thick smooth homogeneous rubber flooring with vulcanized rubber compound and environmentally compatible colour pigments that are free of toxic heavy metals like lead, cadmium or mercury.

6.9.4.2(10)(b) Provide rubber flooring solid cushioned sheet or tile formulated with 100% virgin elastomers, reinforcing agents, soil-resisting agents, and migrating waxes compounded to create durability, excellent cleaning characteristics, and exceptional slip resistance. Stud designs will have chamfered edges with a sharply-defined edge at the top for higher slip resistance, easier routine cleaning, superior maintenance and low vibration design.

6.9.4.2(10)(c) Rubber flooring will meet or exceed the following minimum technical requirements:

(c).1 Static Load Limit: ASTM F970, Residual compression of 0.003” with 800 lbs. achieved, ≤ 0.005” with 250 lb is required.

(c).2 Provide slip-resistant flooring with a minimum DCOF AcuTest of 0.42 on level surfaces and 0.8 on ramps;

(c).3 Flammability: ASTM E648; NFPA 253; NBSIR 75 950, 1.03 achieved, ≥ 0.45 watts/cm^2 for Class 1 is required.

(c).4 Smoke Density: ASTM E662; NFPA 258; NBS, 376 (flaming) and 256 (non-flaming) achieved, < 450 is required.

(c).5 Bacteria Resistance: ASTM E2180 and ASTM G21, resistant to bacteria, fungi, and micro-organism activity.

(c).6 Provide rubber flooring that is GREENGUARD Gold Certified for Low VOC Emissions, Blue Angel Certified and CA 01350 Compliant.

(c).7 Sound Absorption: ASTM E2179 Δ IIC 11, ISO 140 Δ Lw 8 dB.

6.9.4.2(10)(d) Acceptable Products include; Noraplan Sentica 3.0 mm sheet goods resilient floor covering manufactured by Nora systems, Inc. or acceptable alternative reviewed by the Authority.

6.9.4.2(10)(e) Joints will be sealed with a water-tight polyurethane-based adhesive.

6.9.4.2(10)(f) Will have Group T wear rating in accordance with European Standard EN 660.

6.9.4.2(11) Flooring in Wet Rooms

6.9.4.2(11)(a) Use non-skid solid sheet flooring for all wet areas, as specified in Appendix 1C [Minimum Room Requirements].

6.9.4.2(11)(b) Non-skid homogeneous single-layered vinyl flooring to meet the following certification and classifications:

(b).1 Type I

(b).2 Commercial: 34

(b).3 Industrial: 43

6.9.4.2(11)(c) Non-skid slip resistance to meet ASTM D2047: Dry – 0.88 and Wet – 1.03.

6.9.4.2(11)(d) Hot weld all joint seams.

6.9.4.2(11)(e) Floor substrate will slope to drain with no puddling of surface water;

6.9.4.2(11)(f) Provide integral wall base;

6.9.4.2(11)(g) Use solvent-based, low-odour flooring adhesive, of types recommended by flooring manufacturer;

6.9.4.2(11)(h) Hot weld new flooring to existing floor product;

6.9.4.2(11)(i) Finish flooring in accordance with manufacturer's specification. Do not apply sealer or wax.

6.9.4.2(12) Not Used

6.9.4.2(13) Static-Resistant Flooring

6.9.4.2(13)(a) Electro-static dissipative coating.

6.9.4.2(13)(b) Bond coat/prime coat and maintenance sealer: as required by manufacture of static dissipative coating.

6.9.4.2(13)(c) Coating system thickness: minimum of 14 mils.

6.9.4.2(13)(d) Provide a flooring system that meets or exceeds the listed minimum physical property requirements when tested according to the following Standards:

(d).1 Electrical transmission properties (Point-to-point and point-to-ground resistance): ANSI/ESD STM 7.1 Static Dissipative: 1E6-1E9 ohms;
(d).2 Microbial-resistant ASTM G 21 Passes, Rating 1;
(d).3 Flexibility 1/8" mandrel ASTM D 522 Passes;
(d).4 Adhesion resistance ASTM D 4060 5B;
(d).5 Impact resistance (Direct/Reverse 160/160 in-lbs.) ASTM D 2794 Passes;
(d).6 Abrasion resistance (CS-17 wheels, 1 kg, 1000 cycles) ASTM D 4060 40 mg; and
(d).7 Chemical resistance ASTM C 868, ASTM C 267, ASTM D 1308 As listed by manufacturer.

6.9.4.2(13)(e) Acceptable Products:

(e).1 iQ Granit SD by Tarkett Corporation; or
(e).2 Alternative product as approved by the Authority.

6.9.4.2(14) Anti-Fatigue Flooring

6.9.4.2(14)(a) Provide anti-fatigue flooring in areas where Staff are standing at workstations for prolonged periods, including at minimum, areas such as the Pharmacy.

6.9.4.2(14)(b) Provide anti-fatigue flooring to meet the following minimum requirements:

(b).1 25 mm thick interlocking tiles which are secured and able to withstand repeated cleaning with hospital grade disinfectant;
(b).2 Size: custom fit to space;

(b).3 Composition: SBR/EPDM/NBR Rubber Polymer;
(b).4 Provide drain-through feature; and
(b).5 Finish / Textures: factory poly coat and slip-resistant texture.

6.9.4.2(15) Cushioned Flooring

6.9.4.2(15)(a) Provide cushioned flooring in the Secure Room.

6.9.4.2(15)(b) Provide cushioned flooring to meet the following requirements:
(b).1 Minimum 31.5 mm thick prefabricated floor panels consisting of:
(b).1.1 19.05 mm safety padding bonded on 11.1 mm oriented strand board;
(b).2 Size: custom fit to space;
(b).3 Composition: protective padding material is a synthetic resinous material;
(b).4 Fire rating: ASTM E84 – Class A;
(b).5 Tensile strength: ASTM D412 – minimum 300 psi;
(b).6 Temperature stability: unaffected 20 to 120 degrees F;
(b).7 Compression: 30 psi to 70 psi at 50% modulus;
(b).8 Elongation at break: ASTM D412 – 150% typical;
(b).9 Critical radiant flux (floor covering systems): ASTM D684 – > 0.99 W/cm^2 (Class I);
(b).10 Acute oral toxicity test: non-toxic;
(b).11 Installation: as recommended by manufacturer;
(b).12 Fasteners: as recommended by manufacturer;
(b).13 Acceptable manufacturer and product is Gold Medal Safety Padding, Marathon Industrial Products Ltd., or approved alternate.

6.9.4.2(16) Stair Covering

6.9.4.2(16)(a) Use one-piece treads and sheet risers with carborundum strip or acceptable alternative approved by the Authority).

6.9.4.2(16)(b) In all stairs, provide tactile warning strips and stair nosings to assist the visually impaired.

6.9.4.2(16)(c) Use water-soluble, low-odour adhesive, of types recommended by product manufacturer.

6.9.4.2(16)(d) Comply with all applicable Standards, including the National Floor Covering Association (NFCA) Specification Standards Manual. US Federal Specification RR-T-650d.

6.9.4.2(16)(e) Select flooring materials that are suitable for:

(e).1 ease of cleaning and maintenance;
(e).2 pedestrian and rolling traffic;
(e).3 the acoustic requirements of the space;
(e).4 infection prevention and control; and
(e).5 the aesthetics of the Facility.

6.9.5 Acoustic Treatment

6.9.5.1 Design and construct the Facility to comply with the minimum sound transmission ratings between spaces described in Appendix 1D [Acoustic and Noise Control Measures].

6.9.5.2 In addition, provide acoustic treatment where sound attenuation, soundproofing or other sound control measures are necessary to create a healing environment for Patients and a safe and comfortable environment for Staff and/or Patients where confidentiality is required.

6.9.5.3 Design partition and ceiling construction to provide approximately the same degree of sound control through each assembly. When a partition is used for sound isolation, extend the sound control construction from slab to slab.

6.9.6 Painting, Protective Coatings and Wall Coverings

6.9.6.1 Paint and Protective Coatings

6.9.6.1(1) Basic Requirements

6.9.6.1(1)(a) All paint materials will be rated under the Environmental Notation System (NTS) with acceptable VOC ranges as listed in the MPI Approved Products List under E ranges

6.9.6.1(1)(b) Use only materials having a minimum MPI 'Environmentally Friendly' E2 rating based on VOC (EPA Method 24) content levels.

6.9.6.1(1)(c) If seamless epoxy wall coatings are used, provide a two component, high solids, zero or low VOC, solvent free, epoxy glaze wall coating which will be seamless, abrasion and chemical resistant, and UV resistant, Coatings will have been tested in accordance with ASTM D1308-Standard Test Method for Effect of

Household Chemicals on Clear and Pigmented Organic Finishes.

6.9.6.1(1)(d) Conform to all applicable Standards, including the material and workmanship requirements of MPI Architectural Painting Specification Manual. Provide the MPI Accredited Quality Assurance Association's two (2) year guarantee or a 100% two (2) year maintenance bond in accordance with MPI Painting Manual requirements. Maintenance bond to warrant that painting work has been performed in accordance with MPI Manual requirements.

6.9.6.1(1)(e) Use exterior paints of a quality designed to protect substrate materials from weather and climate conditions.

6.9.6.1(1)(f) Achieve a visually harmonious and aesthetically coordinated appearance across all areas of the Facility.

6.9.6.1(1)(g) Use exterior and interior finish materials with surface finishes either as integral to the finish material or field-applied separately to the surface of the finish material.

6.9.6.1(1)(h) Treat exterior masonry materials such as brick with water-repellent coatings to prevent water ingress into or through the material.

6.9.6.1(1)(i) Provide a special protective coating on exterior and interior materials that are subject to corrosion from exposure to moisture or other corrosive agents, and where painting is deemed by the Authority to be insufficient protection. Materials requiring a special protective coating include exterior and interior structural, galvanized, and miscellaneous steel.

6.9.6.1(1)(j) Use interior paint materials of a quality to withstand regular or repeated cleaning as the function of the area dictates.

6.9.6.1(1)(k) Except within Back of House areas as approved by the Authority, paint handrails, doors and frames with a contrasting colour from walls in consideration of the visually impaired.

6.9.6.1(1)(l) Do not use materials containing lead and mercury.

6.9.6.1(2) Walls and shelving

6.9.6.1(2)(a) Unless noted otherwise, use eggshell or semi-gloss for all walls.

6.9.6.1(3) Door frames and metal doors

6.9.6.1(3)(a) Use semi-gloss for all door frames and metal doors.

6.9.6.1(4) Ceilings

6.9.6.1(4)(a) Use eggshell paint for all ceilings.

6.9.6.1(5) Floors, concrete

6.9.6.1(5)(a) Use a 2-component system (base component A, curing agent B).

6.9.6.1(5)(b) Use a primer if part of coating system.

6.9.6.1(6) Exposed conduit and services in electrical panel boards in Facility corridors:

6.9.6.1(6)(a) Paint to match the adjoining surface for finished appearance.

6.9.6.1(7) Telecommunications Rooms

6.9.6.1(7)(a) Refer to Appendix 1E [Communications Infrastructure Standards and Specifications] for TR painting requirements.

6.9.6.2 Vinyl Acrylic Wall Covering

6.9.6.2(1) If vinyl/acrylic wall covering is used, provide vinyl/acrylic high impact rigid sheet suede texture, minimum 0.060 mm thickness with chemical and stain resistance to ASTM D543 with colour-matched vinyl/acrylic trim for joint/transitions.

6.9.6.2(2) Furnish complete packaged system containing all primers and adhesive. Use water-based and non-hazardous primer and adhesive materials.

6.9.7 Slat Wall Panelling

6.9.7.1 Provide slat wall panelling to meet the following requirements:

6.9.7.1(1) Materials consisting of high-pressure, plastic laminate finish laminated to 19 mm (3/4”) thick MDF core;

6.9.7.1(2) Machined “T” grooves on the 1200 mm (4’) axis of the MDF panels, oriented horizontally and spaced at 100 mm (4”) on centre, complete with metal and vinyl inserts;

6.9.7.1(3) Panels sized at 1200 mm x 2400 mm x 19 mm, cut to size;

6.9.7.1(4) Interlocking hardwood hangers with concealed locking method; and

6.9.7.1(5) Assembled with neatly butted finishes and edging applied prior to facing application, with slat wall ends and edges finished with aluminum trims.

6.9.7.2 Acceptable products “Wanderosa Slotwall” by Wanderosa Wood Products Inc. or “Displawall 600 Series Metal” by Matline, or approved alternate.

6.10 Specialties (Division 10)

6.10.1 Provide specialty products manufactured for the specific purposes intended and installed in strict accordance with the manufacturer’s directions.

6.10.2 Magnetic Whiteboards

6.10.2.1 Install magnetic whiteboards where indicated in Appendix 1J [Equipment List] and Appendix 1C [Minimum Room Requirements] or to meet the functional requirements described in Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.10.2.2 In the locations listed in Section 6.10.2.1 above, install magnetic whiteboards of the following sizes and quantities:

6.10.2.2(1) One (1) at 600 mm x 915 mm:

6.10.2.2(1)(a) in all medication rooms, Patient rooms and exam/treatment bays, including those 25 NSM and larger; and

6.10.2.2(1)(b) in all other rooms or spaces equal to or less than 10 NSM.

6.10.2.2(2) One (1) at 1220 mm x 1830 mm in all rooms or spaces greater than 10 NSM but less than 25 NSM, except as required by 6.10.2.2(1)(a); and

6.10.2.2(3) Two (2) at 1220 mm x 2400 mm each in all rooms or spaces equal to or greater than 25 NSM, except as required by 6.10.2.2(1)(a).

6.10.2.3 Magnetic whiteboards will meet the following requirements:

6.10.2.3(1) Have acrylic enameled steel writing surfaces with the following properties:

6.10.2.3(1)(a) scratch and abrasion-resistant;

6.10.2.3(1)(b) designed for use with felt-type writing instruments;

6.10.2.3(1)(c) allows erasing and cleaning with minimal effort; and

6.10.2.3(1)(d) resists ghosting or staining;

6.10.2.3(2) Have continuous extruded aluminum frames, an accessory holder tray with protecting end caps, map rails and map hooks; and

6.10.2.3(3) Use non-toxic, water-based lamination adhesive.

6.10.3 Coat Hooks

6.10.3.1 Provide coat hooks where specified in Appendix 1C [Minimum Room Requirements].

6.10.3.2 Provide a single coat hook where the average occupancy of the room as listed in Appendix 1C [Minimum Room Requirements] is three (3) persons or less. This requirement does not apply for unoccupied alcoves or rooms primarily used for storage or supplies.

6.10.3.3 In all inpatient units, provide two coat hooks associated with each wardrobe in every Patient Room-Private and Patient Room-Shared.

6.10.3.4 For all other instances, provide a hook strip with multiple coat hooks along a single strip. The number of hooks on a strip will be determined in consultation with the Authority through the Review Procedure.

6.10.3.5 Coat hooks and hook strips: back plate will be 2 mm, type 304, satin-finish stainless steel.

6.10.3.6 Coat hooks or hook strips applied to doors will not be accepted.

6.10.3.7 Where Appendix 1C [Minimum Room Requirements] requires Coat Hooks – Ligature Resistant, provide stainless steel coat hooks that snap down for safety if excessively loaded. Furnish with tamper-resistant mounting screws. Hooks will be provided with an adjustable auto release to allow the load limit to be pre-set.

6.10.4 Compartments and Cubicles

6.10.4.1 Provide compartments and cubicles, including water closet partitions, shower partitions, and other compartments and cubicles in areas requiring privacy and security.

6.10.4.2 Urinals will have side panels on both sides unless adjacent to a wall.

6.10.4.3 Walls adjacent to urinals and toilets will be covered with wet wall panel system.

6.10.4.4 All water closet, urinal and change room partitions will be made with full-height channels at all mounting locations. Privacy channels will be provided to eliminate gaps between all panels and doors.

6.10.4.5 Provide exposed surfaces that are permanent, water resistant, corrosion proof, and readily cleaned and maintained.

6.10.4.6 Secure partitions and standards to the floor or ceiling structure in a manner to resist lateral loading and impact.

6.10.4.7 For compartment/cubicle doors, use material matching the partitions and include permanent, purpose-made hardware.

6.10.4.8 Use solid phenolic laminated thick stock, factory-laminated with decorative finish both faces of core and conforming to CAN3-A172 or NEMA LD3.

6.10.4.9 For stainless steel, use Type 304 conforming to ASTM A240 with No. 4 finish.

6.10.4.10 Plastic laminate is not acceptable.

6.10.4.11 Particleboard core partitions are not acceptable.

6.10.4.12 Fibre-reinforced plastic (fibreglass) is not acceptable.

6.10.4.13 Galvannealed sheet metal is not acceptable.

6.10.5 Typical Room Accessories

6.10.5.1 Provide room accessories such as mirrors, coat hooks and privacy curtains, including in accordance with Appendix 1C [Minimum Room Requirements] and as set out below:

6.10.5.1(1) A shelf for personal belongings in each Washroom-Staff and Washroom/Shower-Staff;

6.10.5.1(2) a small mirror at each scrub sink;

6.10.5.1(3) shoe shelves or cubbies in each Lockers/Changing Room-Staff, Lockers/Storage-Staff and Lockers-Staff area in the quantities required in Appendix 1A [Clinical Specifications and Functional Space Requirements];

6.10.5.1(4) an open coat rod and shelf in each Lockers/Changing Room-Staff, Lockers/Storage-Staff and Lockers-Staff area;

6.10.5.1(5) benches and seating (chairs), coat hooks, and shelf for personal belongings in Lockers/Changing Room-Staff to match the required average occupancy indicated in Appendix 1C [Minimum Room Requirements]; and

6.10.5.1(6) benches and/or seating, coat hooks, and shelf for personal belongings in each Washroom/Shower-Staff.

6.10.6 Equipment Hooks

6.10.6.1 Provide equipment hooks in spaces as required in Appendix 1A [Clinical Specifications and Functional Space Requirements] for the storage of equipment, including in the following rooms and spaces:

6.10.6.1(1) A6.6 Storage Room-Equipment-Large;

6.10.6.1(2) B3.3 Storage Room-Equipment;

6.10.6.1(3) B6.7 Storage Room-Equipment;

6.10.6.1(4) B7.1.1 Storage Room-Equipment-Small; and

6.10.6.1(5) C4.1 Storage Room-Equipment.

6.10.6.2 Provide storage racks for crutches meeting the specifications of MarketLab Wall Mounted Crutch Storage Rack 18"W x 7"D x 4"H or approved alternate.

6.10.6.3 Provide storage racks for walkers meeting the specifications of MarketLab Folding Walker Storage Rack ML28882 or approved alternate.

6.10.6.4 Provide additional equipment hooks and holders to suit the Authority’s equipment storage needs in the spaces identified in Section 6.10.5.1 and as reviewed by the Authority.

6.10.7 Wall Guards and Corner Guards, Handrails, Wall Protection, Door Edge and Door Frame Protection

6.10.7.1 Basic Requirements

6.10.7.1(1) Provide all handrails, bumper and corner guard products, and door edge, door frame protection and sheet wall protection products to meet the following requirements:

6.10.7.1(1)(a) high-impact resistant with preformed rigid sheet and matching trims, internal and external corners, containing no PVC;

6.10.7.1(1)(b) stain-resistant to pen marks, paint, and graffiti;

6.10.7.1(1)(c) able to withstand hospital-grade repeated cleaning and disinfection;

6.10.7.1(1)(d) containing antimicrobial additives to retard mildew and bacterial growth; and

6.10.7.1(1)(e) having welded or chemically bonded seams to form a seamless continuous covering.

6.10.7.1(2) Sheet wall protection will have a minimum thickness of 1.02 mm with panel size 1.22 m x 2.44 m.

6.10.7.1(3) Secure wall protection to reinforcing and backing in the walls and ensure that such backing is sufficient to withstand expected impact loads.

6.10.7.1(4) All corner guards and end wall protectors will be one piece with minimum 50 mm (2 inch) legs, type 304, 16 gauge stainless steel.

6.10.7.1(5) End wall protectors will have 3 mm (1/8 inch) radius corners and width to suit wall thickness.

6.10.7.1(6) Fiberglass reinforced plastic (FRP) is not acceptable.

6.10.7.2 Corner Guards and Wall Protection

6.10.7.2(1) Provide protection of walls and exposed wall corners in Clinical Spaces, service areas, and other areas as required, and in accordance with Appendix 1C [Minimum Room Requirements], to prevent damage due to impact from traffic such as wheelchairs, stretchers, equipment and service vehicles including carts.

6.10.7.2(2) All corner guards in the Facility will be stainless steel, unless otherwise noted.

6.10.7.2(3) Provide corner guards that are flush-mounted, one-piece 90-degree corner guards with 90 mm legs constructed of 16 gauge type 304 stainless steel with wing edges crimped for continuous tight fit against the wall surface.

6.10.7.2(4) Provide heavy duty corner guards in all Back of House service corridors consisting of 16 gauge stainless steel with 125 mm legs. Heavy duty corner guards will be provided at other locations where tow motors, carts, pallets and logistics traffic are expected.

6.10.7.2(5) Provide ‘U’-shaped surface mounted end wall protectors at all such conditions.

6.10.7.2(6) All corner guards will be adhered with no visible fasteners. Secure wall and corner guards to reinforcing and backing in the walls; such backing will be sufficient to withstand expected impact loads.

6.10.7.2(7) Install minimum 19 mm x 19 mm stainless steel corner guards to Millwork corners exposed to mobile equipment movements including both sides of head walls.

6.10.7.2(8) Provide full-height wall—floor to ceiling—protection and corner guards in the following rooms and spaces:

6.10.7.2(8)(a) Emergency Department
(a).1 Resuscitation Room

6.10.7.2(8)(b) Medical/Surgical Inpatient Unit
(b).1 Workroom-Biomed.

6.10.7.2(8)(c) Pharmacy
(c).1 D2 – Receiving Area
(c).2 D3 – Pharmacy Prep Area
(c).3 D4 – IV and Chemo Prep Area

6.10.7.2(9) Provide corner guards and wall protection to a minimum height of 1.6 m AFF in the following rooms and spaces in all Components:

6.10.7.2(9)(a) Utility Room-Clean;

6.10.7.2(9)(b) Utility Room-Soiled;

6.10.7.2(9)(c) Holding Room-Soiled;

6.10.7.2(9)(d) All equipment storage rooms;

6.10.7.2(9)(e) Housekeeping Rooms and Closets;

6.10.7.2(9)(f) Rehabilitation Room Satellite;

6.10.7.2(9)(g) All alcoves; and

6.10.7.2(9)(h) Safety Cabinet Storage Room.

6.10.7.2(10) All other corner guards and wall protection, including sheet wall protection, will be aligned horizontally at minimum 1.35 m AFF, including 150 mm floor base and 1200 mm wall protection.

6.10.7.2(11) Design and install the height of wall and corner guards to be aesthetically pleasing throughout the room/area. Wall protection will continue above the handrail/wall bumper to fully protect the wall from damage.

6.10.7.2(12) In addition to the requirements of Appendix 1C [Minimum Room Requirements], provide sheet wall protection behind all wall mounted computer workstations of ample height and width to support mounting of all workstation devices required in accordance with Appendix 1J [Equipment List] to meet ergonomic requirements set out in Appendix 1H [Staff Safety Guidelines For Interior Health / Northern Health Facility Design Projects].

6.10.7.2(13) Provide wet wall panel system to meet the following requirements:

6.10.7.2(13)(a) Provide sealed wall backsplash protection behind and surrounding hand hygiene sinks, scrub sinks, janitorial sinks and wall-mounted eyewash stations.

6.10.7.2(13)(b) For floor or wall-mounted sinks, the wet wall panel system will extend up to a minimum height of 1.60 m AFF and a minimum width of 600 mm on either side of the sink centreline.

6.10.7.2(13)(c) For counter mounted or integral sinks, the wet wall panel system will extend up 600 mm above the top of counter or in the case of upper cabinets, to underside of cabinets above.

6.10.7.2(13)(d) The minimum width will be 600 mm on either side of the sink centreline or as required to protect the adjacent wall surfaces from water.

6.10.7.2(13)(e) All showers in the Facility will have a full height wet wall panel system.

6.10.7.2(13)(f) Full-height wet wall protection systems will be installed on all walls in Patient and ensuite washrooms with showers.

6.10.7.2(13)(g) For emergency showers and eyewash stations, the wet wall panel system will extend full height of the wall and 200 mm beyond the curtain track or 600 mm beyond the spray area.

6.10.7.3 Handrails

6.10.7.3(1) Provide handrails on both sides of all corridors for support. All handrails to extend across adjacent sidelights at corresponding mid-rails.

6.10.7.3(2) Provide materials and shapes appropriate for Patient support, with all required supports. Select handrails without troughs that will collect dust and particles.

6.10.7.3(3) Provide handrails that meet the needs of the visually impaired and comply with Elder-Friendly principles, including the following:

6.10.7.3(3)(a) Handrails will be of a colour that contrasts with the floor and wall for ease of perception and use;

6.10.7.3(3)(b) Provide a tactile signal, such as a notch, 100 mm from the endpoint or interruption of handrails, or have the rail curve and connect back to the wall;

6.10.7.3(3)(c) Handrails will meet BCBC dimensional requirements, including in locations not prescribed by code, and have a non-slip texture;

6.10.7.3(3)(d) Curve the end of handrails down to 680 mm for easier detection by visually impaired adults using cane technique;

6.10.7.3(3)(e) Continue handrails through and around landings;

6.10.7.3(3)(f) Allow a minimum clearance of 1470 to 1830 mm between handrails to allow two wheelchairs to pass; and

6.10.7.3(3)(g) In public-use elevators, provide handrails on both sides of the cabin at a height between 800 mm and 1 m.

6.10.7.3(4) Provide handrails for all walkways, including those having a gradient of 5 percent or less.

6.10.7.3(5) All handrails will be able to withstand an applied force of 2 kN.

6.10.7.3(6) Provide handrails that are Ligature Resistant in the following areas of the Facility, as determined in consultation with the Authority:

6.10.7.3(6)(a) Emergency Department: in Front of House corridors and circulation spaces for the General Public, and in all Front of House corridors allowing access to Patient Care Areas within the Outbreak Control Zone;

6.10.7.3(6)(b) Medical-Surgical Unit: in Front of House corridors and waiting areas for the General Public; and

6.10.7.3(6)(c) Maternity Unit: in Front of House corridors and waiting areas for the General Public.

6.10.7.3(7) Provide handrails in Clinical Spaces as required by the Authority.

6.10.7.4 Chair Rails and Bed Bumpers

6.10.7.4(1) Provide wall bumper guards in high traffic pedestrian areas.

6.10.7.4(2) Secure wall and corner guards to reinforcing and backing in the walls, such backing will be sufficient to withstand expected impact loads.

6.10.7.4(3) Chair rails will be provided in all areas where walls can be damaged due to chairs including: Patient/Visitor Waiting Room, Consult/Interview Room and meeting rooms such as Family Education/Counselling Rooms and Team Conference/Teaching Rooms. Width will be 200 mm (8 inches); installation height will be 980 mm from floor to top of rail. Acceptable products include PVC-free Acrovyn Surface-mounted SCR-F Series SCR-64 Model Crash Rails by CS Construction Specialties Group.

6.10.7.4(4) Bedhead bumper rails will be provided at all movable gurneys or stretchers. Coordinate height and fit with gurney or stretcher model and all associated equipment. Match wall protection system utilized for the Facility.

6.10.7.5 Door Edge and Door Frame Protection

6.10.7.5(1) Protect door edges and door frames in Clinical Spaces from damage such as impact caused by the regular movement of stretchers and other wheeled vehicles.

6.10.7.5(2) Provide door edge protection in high use areas. Height of all door, edge and frame protection will be of an adequate height to fully protect the door, edge and frame from damage.

6.10.7.5(3) Protect elevator frames from damage due to bed and cart movement.

6.10.7.5(4) Door protection including edge guards, kick plates, mop plates, armour plates and stretcher plates will be stainless steel and provided accordingly.

6.10.7.5(5) Provide kick plates for any doors with a self-closing device.

6.10.7.5(6) Not Used.

6.10.7.5(7) For the door and frame protection types listed in Appendix 1C [Minimum Room Requirements], provide the following:

6.10.7.5(7)(a) Type 1 - Low

(a).1 1 Ea. Kickplate 80A 305 mm (12") x door width less 2” 630 GS for single door.

(a).2 2 Ea. Kickplate 80A 305 mm (12") x door width less 1.5” 630 GS for double doors.

6.10.7.5(7)(b) Type 2- High

(b).1 Single door -protection to 34” AFF

(b).1.1 1 Ea. Armor plate 80A x door width less 2” 630 GS

(b).1.2 2 Ea. Door Edge Guards GSH butted type to suit door 630 GS

(b).1.3 2 Ea. Door Frame Guards GSH 50N 630 GS

(b).2 Double door protection to 34” AFF

(b).3 2 Ea. Armor plate 80A x door width less 1.5”” 630 GS

(b).4 2 Ea. Door Edge Guards GSH butted type to suit door 630 GS

(b).5 2 Ea. Door Frame Guards GSH 50N 630 GS

6.10.7.6 Horizontal Surfaces

6.10.8 Protect all horizontal drywall surfaces (pony wall, window sills, etc.) with plastic laminate c/w PVC edging or solid polymer fabricated surfacing. Sub-surface material will be plywood; no particle board permitted.

6.10.9 Solid Phenolic Lockers

6.10.9.1 General Requirements

6.10.9.1(1) Provide full size, half size, and purse size solid phenolic lockers in the quantities and locations listed in Appendix 1A [Clinical Specifications and Functional Space Requirements];

6.10.9.1(2) For each locker, include number plates, hanging hooks, and a keyless mechanical combination cam lock with a key override – no wires, battery, nor card required;

6.10.9.1(3) Locker number sequencing to be as determined with the Authority.

6.10.9.1(4) Provide seismic restraints in accordance with the BCBC for all lockers;

6.10.9.1(5) Provide a sloped top at all locker locations; and

6.10.9.1(6) Each individual locker will include door pull handles, and a keyless mechanical combination cam lock with a key override – no wires, battery nor card required.

6.10.10 Mobile High-Density Shelving System

6.10.10.1 For mobile storage systems, provide a high-density system designed to make maximum use of available space by eliminating the need for an access aisle for each run of shelving.

6.10.10.2 Install and brace systems to resist seismic loads.

6.10.10.3 The mobile storage system will be either power assisted or mechanically assisted to be ergonomically and easily operable without requiring undue strength by any person.

6.10.10.4 In addition to the above requirements, provide a mobile storage system for E3.1 Storage Room-Health Records that includes the following features:

6.10.10.4(1) Ramps accessible for Persons with Disabilities;

6.10.10.4(2) Compliant with NFPA 13 – Standard for the Installation of Sprinkler Systems;

6.10.10.4(3) Track and deck system;

6.10.10.4(4) Powder-coat finished metal components;

6.10.10.4(5) Closed shelving end uprights;

6.10.10.4(6) Four-post shelving fully adjustable in 38 mm (1-½") increments;

6.10.10.4(7) Shelving modules arranged to maximize capacity within the floor space for storage of the Authority's records, including shelving modules sized as appropriate to accommodate the dimensions and quantities of files and banker boxes that the Authority intends to store in this room;

6.10.10.4(8) Minimum 893 m (2,931 ft) of lineal storage capacity; and

6.10.10.4(9) Minimum capacity of 39878 kg (87,915 lb) for contents (files) having a minimum distributed load of 0.28 N/m (2.5 lb/in).

6.10.11 Washroom Accessories

6.10.11.1 Provide washroom accessories in all public, Patient, and Staff washrooms as required in accordance with Appendix 1C [Minimum Room Requirements], the applicable high quality health care facility standards or any existing consumable contract held by the Authority. Determine the type, size, and number of accessories with regard for the numbers and categories of users.

6.10.11.2 Coordinate with Appendix 1J [Equipment List] for Authority End-Use Equipment.

6.10.11.3 Washroom accessories and installation will be in conformance with the BCBC requirements for Persons with Disabilities. Final locations of all devices will be determined in consultation with the Authority in accordance with the process set out in Schedule 2 [Review Procedure].

6.10.11.4 Provide fold-down baby change tables in the locations indicated in Appendix 1C [Minimum Room Requirements].

6.10.11.4(1) Fold-down infant change tables will include the following features:

6.10.11.4(1)(a) Safety straps to hold infant securely;

6.10.11.4(1)(b) Antimicrobial finish able to withstand repeated cleaning with hospital grade disinfectant;

6.10.11.4(1)(c) Minimum closed dimensions of 890 mm L x 560 mm H x 100 mm W with minimum open width of 58 cm;

6.10.11.4(1)(d) High-density polyethylene construction with stainless steel veneer front; and

6.10.11.4(1)(e) Integral compartment for disposable, biodegradable liners 330 mm x 460 mm.

6.10.11.5 Provide washroom accessories in A3.15 Washroom/Shower-Patient-Bariatric that comply with New York State Office of Mental Health, Patient Safety Standards – Materials and Systems Guidelines.

6.10.11.6 Unless otherwise noted, do not use recessed dispensers (such as those for paper towels, soap and waste receptacle).

6.10.11.7 Unless otherwise noted, use commercial and hospital grade accessories free from imperfections in manufacture and finish.

6.10.11.8 In all washrooms, use fasteners and fittings that are Tamper Resistant.

6.10.11.9 In conjunction with the requirements of Appendix 1J [Equipment List], provide or install the following accessories in Staff and public washrooms:

6.10.11.9(1) soap dispenser;

6.10.11.9(2) toilet paper dispenser;

6.10.11.9(3) paper towel dispenser;

6.10.11.9(4) paper towel / garbage disposal;

6.10.11.9(5) sanitary napkin disposal;

6.10.11.9(6) mirror;

6.10.11.9(7) grab bar accessible to Persons with Disabilities (with integral tactile grip finish);

6.10.11.9(8) coat hook; and

6.10.11.9(9) baby change table (in public washrooms only).

6.10.11.10 Refer to Appendix 1J [Equipment List], for the Design-Builder's responsibilities regarding the provision and installation of the following accessories in Patient washrooms:

6.10.11.10(1) soap dispenser;

6.10.11.10(2) toilet paper dispenser;

6.10.11.10(3) paper towel dispenser;

6.10.11.10(4) paper towel / garbage disposal;

6.10.11.10(5) Not Used;

6.10.11.10(6) mirror;

6.10.11.10(7) grab bar accessible to Persons with Disabilities (with integral tactile grip finish);

6.10.11.10(8) coat hook;

6.10.11.10(9) shelf above or near the sink;

6.10.11.10(10) hookless shower curtain; and

6.10.11.10(11) shower shelf.

6.10.11.11 Provide the following accessories in A3.15 Washroom/Shower-Patient-Bariatric, which will be Vandal Resistant and Ligature Resistant:

6.10.11.11(1) Ligature Resistant soap dispenser;

6.10.11.11(2) Vandal Resistant paper towel disposal;

6.10.11.11(3) Vandal Resistant mirrors that are unbreakable, securely fastened to the wall and do not distort the viewer's reflection; glass is not acceptable. Angled mirror as required;

6.10.11.11(4) Ligature Resistant grab bar with integral weep holes, wall mounted on one side to allow Staff assist from the other side;

6.10.11.11(5) Not Used;

6.10.11.11(6) Ligature Resistant coat hook;

6.10.11.11(7) Vandal Resistant and Ligature Resistant shelf above sink.

6.10.11.12 Provide the following accessories in Patient shower rooms and showers in Patient washrooms:

6.10.11.12(1) Ligature Resistant shower curtain and breakaway track or breakaway rod;

6.10.11.12(2) Grab bar accessible to Persons with Disabilities;

6.10.11.12(3) Recessed shelf for soap and shampoo as part of a complete solid surface wet wall panel system; and

6.10.11.12(4) Ligature Resistant and Vandal Resistant shower fixtures and accessories in A3.15 Washroom/Shower-Patient-Bariatric.

6.10.11.13 Provide the following accessories in Staff showers and showers in Staff washrooms:

6.10.11.13(1) Shower curtain track or rod as appropriate;

6.10.11.13(2) Grab bars with integral tactile grip finish;

6.10.11.13(3) Mirrors with countertop;

6.10.11.13(4) Shower curtain; and

6.10.11.13(5) Recessed shelf for soap and shampoo as part of a complete solid surface wet wall panel system.

6.10.11.14 All attachments and cover escutcheons will be continuously sealed with silicone sealant at all wet areas.

6.10.11.15 Install washroom accessories to allow cleaning and maintenance of the accessory and surrounding wall and floor area.

6.10.11.16 Use fittings with concealed fastening for security and discouragement of tampering.

6.10.12 Privacy Curtain, Track and IV Tracks

6.10.12.1 Provide privacy curtains and tracks as set out in Appendix 1C [Minimum Room Requirements], including:

6.10.12.1(1) Around the door at each Patient Room including SRMC Patient rooms; and

6.10.12.1(2) In all rooms and areas where visual Patient privacy is required from public or Staff areas/views.

6.10.12.2 The Design-Builder will provide and install hookless privacy curtains and tracks as well as 200% additional privacy curtains, i.e. for a total of 300% of the minimum number required, in order to meet operational needs.

6.10.12.3 Provide curtain grabber bar tools for simple removal and installation of each curtain by Staff without the use of ladders. Provide two grabber bars for each of the Emergency Department, the 24-bed Medical-Surgical Inpatient Unit, the 12-bed standalone Medical-Surgical Inpatient Unit, and the Maternity Services Unit, as well as two additional grabber bars, for a total of 10.

6.10.12.4 Curtains will comply with CAN/CBSB-4.162-M, “Hospital Textiles - Flammability Performance Requirements”.

6.10.12.5 Provide IV hooks as follows:

6.10.12.5(1) In each Medication Room, located adjacent to the hand hygiene sink; and

6.10.12.5(2) In each Utility Room-Soiled, located adjacent to the solid waste disposal unit to facilitate the draining of IV solutions.

6.10.12.6 For IV tracks, use extruded aluminum, anodized finish and entirely enclosed except for slot in bottom. Provide IV carriers consisting of plated steel block supported from four nonconductive nylon ball-bearing wheels and equipped with 180-degree twist lock with nylon washer.

6.10.12.7 Curtain and IV tracks will be structurally supported.

6.10.12.8 Shower and privacy curtains will be hookless curtain/track type system. Provide open mesh at along the top of curtain as required for sprinkler protection. Height of curtains and tracks will ensure complete privacy without compromising clinical and operational functionality for Staff and of other equipment, including ceiling lift tracks and ceiling lifts.

6.10.13 Provide mop/broom bracket with a minimum of five (5) mops holder in each Housekeeping Room. Final location and height will meet Staff operational requirements and suit the functional purposes of the space.

6.11 Equipment (Division 11)

6.11.1 Refer to Appendix 1J [Equipment List].

6.11.2 Ceiling Lifts

6.11.2.1 Provide all above-ceiling structural supports, anchors, backing and power as required to provide ceiling lifts in the spaces described in the Appendix 1C [Minimum Room Requirements] and Appendix 1J [Equipment List].

6.11.2.2 Ceiling lifts will have a load bearing capacity of 295 kg (650 lb), load-tested to150% capacity, in Patient Rooms and treatment areas, except for ceiling lifts in all bariatric rooms, which will have bariatric load bearing capacity of 500 kg (1100 lb), load-tested to 150% capacity. Refer to Appendix 1J [Equipment List] for Design-Builder's responsibility.

6.11.2.3 Ensure Patient room ceiling design will accommodate an X-Y gantry track for a ceiling lift with traverse rail configuration having full-length coverage of the Patient bed plus 1000 mm beyond the edges into the lateral transfer zone. Where full-length coverage is not possible, the requirements will determined in collaboration with the Authority.

6.11.2.4 Provide above-ceiling structural supports and anchors compatible with ceiling lifts that will be recessed in the ceiling (e.g. recessed fixed track) and minimize dust collection for infection prevention and control. All fixed tracks will be recessed and flush with the adjacent ceiling surface.

6.11.2.5 Not Used

6.11.2.6 Not Used

6.11.2.7 Coordinate ceiling lifts and privacy curtains; ceiling lift will not interfere with curtains or be obstructed by curtains.

6.11.2.8 Ceiling-mounted equipment including booms, lights and lifts will be coordinated in the structural Design to ensure that tracks will not in any way obstruct over-bed, ceiling-mounted fixtures and equipment, including cameras.

6.11.2.9 Coordinate the electrical system component station of the lift with all clinical and housekeeping activities in the Patient room/bay to allow for easy service access. Station will be located away from the Patient bed.

6.11.2.10 The ceiling lift system will electrically charge at any location along the support track. Provide the ability to disconnect the electrical power safely at the connect point, without Staff having to travel to an electrical panel.

6.11.2.11 Provide access to ceiling lift system components above the ceiling through such means as ceiling access panels for periodic inspection purposes. Access panels will provide space for the Authority to access the connection points of the ceiling lift system for verification, quality control and regular maintenance.

6.11.2.12 In the following rooms, provide a locking Millwork cabinet for lift and traverse rail storage and charging where the recessed track meets the intersection of the wall

and ceiling in order to conceal and protect the lift from the Patient when not in use. Design the system to be Ligature Resistant and Vandal Resistant:

6.11.2.12(1) A3.5 Exam/Treatment Room-Bariatric-AIR;

6.11.2.12(2) Two (2) B2.1 Patient Room-Private;

6.11.2.12(3) One (1) B2.3 Patient Room-Private-Bariatric;

6.11.2.12(4) One (1) B2.4 Patient Room-Private-Bariatric-AIR; and

6.11.2.12(5) One (1) C2.6 Patient Room-Private-Women's Health.

6.11.2.13 For the following rooms requiring a ceiling lift in Appendix 1C [Minimum Room Requirements], provide support structure for future ceiling lift installation:

6.11.2.13(1) Exam/Treatment Room-Maternity; and

6.11.2.13(2) Resuscitation Room.

6.11.3 Therapy Pole

6.11.3.1 Install a removable therapy pole in Rehabilitation Room-Satellite to support the Authority's clinical activities as described in Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.11.3.2 Provide a recessed opening in the floor and structural supports as required for a weight capacity of 204 kg (450 lb).

6.11.3.3 Pole will be alloy steel with antimicrobial powder coat white or brushed stainless steel finish.

6.11.3.4 Pole will have height adjustable grab bars as required by the Authority.

6.11.4 Patient Service Modules (Headwalls)

6.11.4.1 All Patient service modules (headwalls) are the responsibility of the Design-Builder. Patient service modules may be constructed of prefabricated units, built up and incorporated with Millwork or a combination provided they meet the functional and clinical requirements of the Authority and the minimum requirements set out in Appendix 1C [Minimum Room Requirements].

6.11.4.2 If a prefabricated Patient service module is used, the Design-Builder will have the manufacturer's representative present in-person at all meetings required under Schedule 2 [Review Procedure]. If used, prefabricated headwalls will be provided by the following manufacturers or Authority-approved alternate: Class 1, Amico, BeaconMedaes, and Hillrom.

6.11.4.3 At all Patient service modules, provide a minimum of one (1) rail system or acceptable alternate for the installation of headwall accessories and the storage of a small quantity of medical surgical supplies for ease of access for direct Patient care.

6.11.4.3(1) Provide proprietary equipment mounts, including holders, brackets, clips, hooks and mounting arms, to attach a minimum of six (6) equipment items or devices selected by the Authority to the rail system using two (2) connection points for each equipment item or device.

6.11.4.4 Provide Patient service modules in Patient Rooms that incorporate:

6.11.4.4(1) Non-institutional and modern design elements;

6.11.4.4(2) Mechanical, Electrical and IMIT features required as set out in Appendix 1C [Minimum Room Requirements];

6.11.4.4(3) Wood-grain plastic laminate on all exposed Millwork surfaces or wood-look components in prefabricated system;

6.11.4.4(4) Specialty lighting; night light, Patient reading light, and bedside Staff light;

6.11.4.4(5) Reveals and joints that align and are coordinated with other features in the room such as; bed bumpers and wall protection; and

6.11.4.4(6) Area for clean supply storage and computer charting workstation for Staff.

6.11.4.5 Provide Patient service modules (headwalls) in the A2.2 Decontamination Room, A3.3 Exam/Treatment Room-Safe, A3.5 Exam/Treatment Room-Bariatric-AIR, Interview/Consult Room, two (2) of B2.1 Patient Room-Private, one (1) of B2.3 Patient Room-Private-Bariatric, one (1) of B2.4 Patient Room-Private-Bariatric-AIR, one (1) of C2.6 Patient Room-Private-Women's Health, and in the Waiting Area serving the Streaming Area that

6.11.4.5(1) accommodate the Mechanical, Electrical and IMIT features required in Appendix 1C Minimum Room Requirements];

6.11.4.5(2) are specifically designed for a behavioural health environment and prohibit Patient access to devices such as electrical receptacles, medical gas outlets and nurse call equipment;

6.11.4.5(3) feature a protective cover to absorb high impact forces without breaking or permanently; and

6.11.4.5(4) are shaped to prevent ligature points with Tamper Resistant fasteners and fittings;

6.11.4.6 Provide Patient service modules (headwalls) in the Maternity Services Unit Component, including SRMC Patient Rooms, that incorporate:

6.11.4.6(1) Non-institutional and modern design elements;

6.11.4.6(2) Mechanical, Electrical and IMIT features required in Appendix 1C Minimum Room Requirements];

6.11.4.6(3) Wood-grain plastic laminate on all exposed Millwork surfaces or wood-look components in prefabricated system;

6.11.4.6(4) Specialty lighting; night light, Patient reading light, and bedside Staff light;

6.11.4.6(5) Opportunity for Artwork above the bedhead;

6.11.4.6(6) Counter space and drawers with recessed pull for flowers and personal belongings at the non-nursing side of the bed;

6.11.4.6(7) Reveals and joints that align and are coordinated with other features in the room such as; bed bumpers and wall protection;

6.11.4.6(8) Area for clean supply storage and computer charting workstation for Staff; and

6.11.4.6(9) Storage at the nursing side for fetal monitor and non-nursing side for nitronox unit and consumable medical supplies.

6.11.4.7 Provide a Millwork counter in the SRMC Patient room with upper and lower cupboards adjacent to the infant headwall, for storage of consumable medical supplies;

6.11.5 Fall Protection

6.11.5.1 Provide a complete system with safety tie-back, life line anchors, horizontal life line system and associated equipment for safe Facility maintenance operations where Section 5.6.2.4(5) does not require parapets 1070 mm in height.

6.12 Furniture, Clinical Systems Furniture and Systems Furniture (Division 12)

6.12.1 Basic Requirements

6.12.1.1 This Section will be read in conjunction with Appendix 1A [Clinical Specifications and Functional Space Requirements], Appendix 1C [Minimum Room Requirements] and Appendix 1J [Equipment List].

6.12.1.2 Provide Furniture, Clinical Systems Furniture and Systems Furniture and accessories as required to support the programs and functions described in Appendix 1A [Clinical Specifications and Functional Space Requirements] and to support the operation of the Facility. Refer to Appendix 1J [Equipment List] for Authority-supplied items.

6.12.1.3 The Design-Builder will retain a licensed interior designer to assist in the selection and coordination of all Furniture, Clinical Systems Furniture and Systems Furniture; refer to Section 5.7.7**.**

6.12.1.4 Provide all grommets, mounting brackets, height adjustability, storage, work surfaces, charting counters and care team stations to meet the needs of each Component.

6.12.1.5 Provide locks and all items required to support the programs and functions described in this Schedule.

6.12.1.6 Provide power and data in accordance with the manufacturer's specifications and requirements. Refer to Section 7.7 Electrical (Division 26) and Section 7.8 Communications (Division 27) for additional requirements.

6.12.1.7 The Design-Builder will be responsible for coordinating all architectural, electrical and IM/IT elements of a room's Design with the Authority-supplied items listed in Appendix 1J [Equipment List]. This includes pathways, junction boxes, receptacles and the specific routing of electrical and data cabling to and through the wire ways;

6.12.1.8 Casework and Clinical Systems Furniture will be coordinated with equipment and Furniture that will be provided by the Authority, as described in Appendix 1J [Equipment List].

6.12.2 Performance Requirements

6.12.2.1 All Furniture, Clinical Systems Furniture and Systems Furniture supplied by the Design-Builder will:

6.12.2.1(1) Be ergonomically designed and functional for multiple work heights, including sitting, stool-height sitting and standing;

6.12.2.1(2) Be height adjustable where described as required in Appendix 1C [Minimum Room Requirements];

6.12.2.1(3) Have sealed surfaces and be covered in upholstery material that is inert and will not support microbial growth and is cleanable with hospital-grade disinfectant;

6.12.2.1(4) Be cleanable and able to withstand frequent cleaning and routine hospital disinfection;

6.12.2.1(5) If upholstered, be of a material that is impermeable and non-shedding when located in Patient accessible areas and any area where Staff goes after providing direct Patient care (including care team station, staff lounge, conference rooms and office within Patient Care Areas). Polyurethane fabrics are preferred if they meet the requirements of the application;

6.12.2.1(6) Be provided with locks to secure all cabinets and drawers whether in a locked room or not; and

6.12.2.1(7) Be provided with valance lighting underneath all upper cabinets including above workstations, work surfaces or countertops.

6.12.2.2 Additional requirements for any Design-Builder provided Furniture, Modular Casework, Clinical Systems Furniture and Systems Furniture include the following:

6.12.2.2(1) Flexibility

6.12.2.2(1)(a) Provide products that enable flexibility and:

(a).1 Allow for individualization;

(a).2 Are suitable for use in different applications or flex easily for future use; and

(a).3 Use non-handed solutions that work in multiple configurations, wherever possible.

6.12.2.2(2) Durability

6.12.2.2(2)(a) Provide products engineered for high traffic use, where required.

6.12.2.2(3) Construction

6.12.2.2(3)(a) Products with replaceable components are preferred.

6.12.2.2(3)(b) Wood will be avoided in Clinical Spaces and conference rooms. Where utilized, wood pieces will be constructed of:

(b).1 Solid wood frames of kiln dried wood for added strength and long-term durability;

(b).2 A frame capable of supporting varying weights and body types and offering ease and reassurance to both Patients and Staff; and

(b).3 Plastic laminates may be used in place of real wood when a wood-look is desired.

6.12.2.2(4) Seating

6.12.2.2(4)(a) Seating will consist of steel tube and spring-seat construction.

6.12.2.2(4)(b) Provide seating with wall-saver legs or a wall-saver back design.

6.12.2.2(4)(c) Provide seating with arms that include polyurethane arm caps, upholstered arm caps will not be acceptable.

6.12.2.2(5) Tables

6.12.2.2(5)(a) Provide solid surface horizontal table surfaces.

6.12.2.2(5)(b) Front edges will feature a profile for user comfort and be of durable material composition and construction.

6.12.2.2(6) Workstations and Desks

6.12.2.2(6)(a) When installed, two adjoining end panels of work surfaces will be leveled so work surfaces sit at the same height.

6.12.2.2(7) Filing / Storage

6.12.2.2(7)(a) Filing will be provided for letter filing, unless specified otherwise. In order to maximize filing capacity, files will be set up for side-to-side filing.

6.12.2.2(7)(b) During installation, the conversion parts of the files will be left in the file to allow for front-to-back / side-to-side conversion at a later time.

6.12.2.2(7)(c) At a minimum, two-drawer files will include a counter-balance package as recommended by the product manufacturer.

6.12.2.2(7)(d) Lockable storage will be keyed as per the Facility keying system. Keying schedule will be determined with the Authority.

6.12.2.2(7)(e) Filing of Patient charts at care team stations to meet the needs of each Component.

6.12.2.2(8) Cleaning and Ease of Maintenance

6.12.2.2(8)(a) The size, shape, and design will allow easy access for cleaning.

6.12.2.2(8)(b) Materials, upholstery, and finishes will be capable of withstanding institutional grade detergents, cleaners, and disinfectants with no effect on the appearance, integrity, or life of the product.

6.12.2.2(8)(c) Selection will be based on the understanding of the principles of decontamination and maintenance requirements (able to withstand multiple applications of diluted disinfectants over time).

6.12.2.2(8)(d) The Design-Builder will request that manufacturers provide detailed cleaning and disinfection guidelines prior to purchase along with a thorough listing of which cleaning products will be used on their products.

6.12.2.2(8)(e) The Design-Builder will review instructions to ensure they are clear and cleanable with Authority-approved detergents and disinfectants.

6.12.2.2(8)(f) Other upholstered soft furnishings will have the following characteristics:

(f).1 Be seamless where possible or have double stitched seams located on the non-contact areas of the Furniture or sealed;

(f).2 Limited pleating;

(f).3 Upholstered Furniture in Clinical Spaces will be covered with fabrics that are fluid-resistant, non-porous and will withstand cleaning with hospital grade disinfectants;

(f).4 Seating will have removable seat cushions for cleaning between the seat and back for lounge seating applications;

(f).5 Seating will have removable upholstery covers for both the seat and back, if applicable; and

(f).6 Have high-destiny foam cores with a moisture barrier and resistance to mold.

6.12.2.2(8)(g) Upholstery will:

(g).1 be impermeable to water and quick-drying;

(g).2 be antimicrobial, and/or have anti-microbial inhibitor technology;

(g).3 have an abrasion rating for high-use areas (with a minimum of 100,000 DR (ASTM D4157-02 Wyzenbeek Test Method);

(g).4 have a high-rating for colour-fastness, exceeding 40 hours (AATCC Method 16A);

(g).5 be stain-resistant;

(g).6 be latex-free;
(g).7 have low volatile organic compounds;
(g).8 contain no heavy metals; and
(g).9 have no halogenated flame retardant materials or perfluorinated chemicals (PFCS).

6.12.2.2(9) Comfort, Efficiency, and Safety

6.12.2.2(9)(a) Seating will have the stability to assist the Patient or visitor in entering and exiting the chair.

6.12.2.2(9)(b) All items of Furniture (including tables) will be stable and will not move or tip over when touched by a person requiring support.

6.12.2.2(10) Furniture will not constitute a hazard for persons who have visual limitations and will be usable by Persons with Disabilities.

6.12.2.2(11) Back support will be provided on seating pieces, through the use of a high or mid back, to provide adequate back support to various populations.

6.12.2.3 Furniture

6.12.2.3(1) Furniture means loose or unattached items that can be rearranged to suit various activities and includes:

6.12.2.3(1)(a) Coffee tables and side tables;

6.12.2.3(1)(b) Unattached seating (such as chairs and stools); and

6.12.2.3(1)(c) Office desks.

6.12.2.3(2) Refer to Appendix 1J [Equipment List] for Authority-supplied Furniture to be incorporated into the Design and coordinated by the Design-Builder.

6.12.2.4 Clinical Systems Furniture

6.12.2.4(1) Clinical Systems Furniture means a factory-produced component system designed to be replaceable, reconfigurable, and interchangeable, and designed for specific use in health care facilities.

6.12.2.4(2) The Authority may consider Clinical Systems Furniture in lieu of Millwork and Modular Casework solutions provided it meets the functional requirements of Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.12.2.4(3) Clinical Systems Furniture will include all accessories, storage, cabinetry, upper and lower shelving, and counters necessary to meet the functional requirements.

6.12.2.4(4) Staff workstations in Clinical Spaces are areas in particular where the Authority may consider Clinical Systems Furniture in lieu of Millwork and Modular Casework solutions, including:

6.12.2.4(4)(a) Alcove-Observation;

6.12.2.4(4)(b) Care team stations; and

6.12.2.4(4)(c) Registration/triage areas.

6.12.2.4(5) Clinical Systems Furniture will be capable of being easily rearranged to change the configuration or to include additional modules and accessories.

6.12.2.5 Systems Furniture

6.12.2.5(1) Systems Furniture means a composition of factory-produced panels, work surfaces and shelves produced by a single manufacturer that are reconfigurable and interchangeable.

6.12.2.5(2) Systems Furniture is designed for administrative or educational use and includes accessories and attachments that complete its functionality.

6.12.2.5(3) The Authority will consider Systems Furniture in lieu of Millwork and Modular Casework solutions provided it meets the functional requirements of Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.12.2.5(4) Systems Furniture will include all accessories, storage, cabinetry, upper and lower shelving, and counters necessary to meet the functional requirements.

6.12.2.5(5) Staff workstations are areas in particular where the Authority will consider Systems Furniture in lieu of Millwork and Modular Casework solutions and include;

6.12.2.5(5)(a) Office workstations;

6.12.2.5(5)(b) Touchdown workstations;

6.12.2.5(5)(c) Registration cubicles;

6.12.2.5(5)(d) Reception desks; and

6.12.2.5(5)(e) Information desks.

6.12.2.5(6) Provide low height, moveable walls in waiting areas or similar areas to sub-divide the space.

6.12.3 Window Coverings

6.12.3.1 Basic Requirements

6.12.3.1(1) Design-Builder will provide window coverings:

6.12.3.1(1)(a) On all exterior windows for privacy, sun and heat control, that are easy to clean and do not support or provide a surface that encourages spread of infectious disease (e.g. do not become electrostatically charged);

6.12.3.1(1)(b) On all interior windows where privacy is a concern as determined with the Authority; and

6.12.3.1(1)(c) In meeting rooms and all other rooms where video conferencing is required.

6.12.3.1(2) Window coverings will allow control of exterior light entering the room during daylight hours and provide privacy during daylight and non-daylight hours.

6.12.3.1(3) Use window coverings manufactured from materials and mechanisms that minimize cleaning and maintenance operations and maximize infection prevention and control, refer to Section 5.7.1 for additional requirements.

6.12.3.1(4) Window covering controls will be Ligature Resistant type with no loops or chains in Clinical Spaces. Where window treatments controls are difficult to reach, motor operated blinds will be provided. Refer to Sections 7.7.18.2(4) and 7.8.9.3(5) for controls to be provided for motor operated blinds.

6.12.3.1(5) Manual roller shade chain drive window shade in non-clinical use spaces will meet the following requirements:

6.12.3.1(5)(a) Tension activated lifting mechanism with multi-layer concentric constant tension;

6.12.3.1(5)(b) Lifting mechanism with a memory tension lock;

6.12.3.1(5)(c) Shades will not require re-tensioning after removal for cleaning; and

6.12.3.1(5)(d) Internally free-floating mechanism along grooved non-corrosive shaft, and reversible for future alterations and maintenance by the Authority.

6.12.3.2 Roller Shades

6.12.3.2(1) Design-Builder will provide roller shades at all exterior windows except where otherwise provided in Appendix 1C [Minimum Room Requirements], or acceptable alternative as reviewed with the Authority.

6.12.3.2(2) Provide a factory assembled shade unit consisting of fabric, shade roller tube, hem bar, removable extruded aluminum fascia, mounting brackets, end caps, and drive assembly and miscellaneous hardware.

6.12.3.2(3) Provide roller shades consisting of PVC shading fabric, vinyl-coated polyester or fibreglass yarn that:

6.12.3.2(3)(a) is waterproof, washable, rot-proof, flame-resistant, fungal and bacteria-resistant, colourfast to light, glare-reducing, and able to control heat gain and provide external visibility, monolithic and not divided into more than one sheet per window panel;

6.12.3.2(3)(b) Conforms to CAN/CBSB-4.162 M, Hospital Textiles – Flammability Performance Requirements; and

6.12.3.2(3)(c) Is tested in accordance with ASHRAE Standard 74073 for shading coefficient, fungal resistance in accordance with ASTM G21.

6.12.3.2(4) Roller shades systems in Patient rooms will be recessed into the ceiling to protect the roller blind when not in use, keep it clear when windows are cleaned, and protect the roller shade from dust collection.

6.12.3.2(5) Coordinate size and finish of roller shade valence to account for all access and maintenance requirements of roller shade box assembly.

6.12.3.3 Blackout Blinds

6.12.3.3(1) Design-Builder will provide blackout blinds in windows and doors as set out in Appendix 1C [Minimum Room Requirements];

6.12.3.3(2) Provide blackout blinds that meet the following requirements:

6.12.3.3(2)(a) Flammability per NFPA 701: Pass

6.12.3.3(2)(b) Fungal Resistance: No growth when tested per ASTM G21.

6.12.3.3(2)(c) Room-Darkening Channels: Extruded aluminum side and centre channels with brush pile edge seals, mounting base and concealed fasteners. Channels will accept a one-piece exposed blackout hembar to assure side jamb light control and sill light control.

6.12.3.3(2)(d) Openness factor equal to 0% to block all light or as otherwise determined with the Authority.

6.12.3.4 Integral Blinds (Venetian-Type Blinds between Glass)

6.12.3.4(1) Provide integral blinds in the following locations, at minimum:

6.12.3.4(1)(a) In door and window glazing as indicated in Appendix 1C [Minimum Room Requirements];

6.12.3.4(1)(b) In all interior door and window glazing between Patient Rooms that is provided to meet Line of Sight requirements, including as set out in Appendix 1A [Clinical Specifications and Functional Space Requirements];

6.12.3.4(1)(c) In all interior glazing for observation between each Alcove-Observation and the associated Patient Rooms; and

6.12.3.4(1)(d) In the exterior windows of the Secure.

6.12.3.4(2) Provide integral blinds with the widest blades available.

6.12.3.4(3) Integral blinds will:

6.12.3.4(3)(a) consist of tempered aluminum alloy slats uniformly spaced and 100% interlaced between cross-ladders on at least one tape;

6.12.3.4(3)(b) use tapes with no special end rails required to attach the suspension members from the window opening to the blind; and

6.12.3.4(3)(c) not allow air movement from any room to adjacent rooms. Openings in the glazing plane are not acceptable.

6.12.3.4(4) Integral blind glazing units will be a hermetically sealed consisting of glass panes on both sides of an airspace, fitted with integral interlocking louver blades. Provide 10-year warranty for glazing units with integral blinds.

6.12.3.4(5) Control of Integral Blinds

6.12.3.4(5)(a) Provide an operator specially constructed with a permanent magnet capable of moving the blind assembly from a closed position in one direction to a closed position in the opposite direction.

6.12.3.4(5)(b) Provide fully adjustable positioning allowing 180 degree rotation in a continuous cycle, allowing a full range of privacy position options.

6.12.3.4(5)(c) Chain, pull down cords or rod type controls will not be permitted.

6.12.3.4(5)(d) Controls for integral blinds in the Secure Room will be located in the Secure Room anteroom.

6.12.3.4(5)(e) Controls for integral blinds providing views into Patient rooms will be located on the corridor side.

6.12.3.4(5)(f) Controls for integral blinds providing views into the Family-Quiet Room from the corridor will be located both on the corridor side and within the room.

6.12.3.4(5)(g) All other control locations will be determined in consultation with the Authority to suit functional requirements based on the Design.

6.13 **Conveying Equipment (Division 14)**

6.13.1 Elevators – General

6.13.1.1 Design-Builder will retain a vertical transportation consultant that is a professional engineering firm specializing in vertical transportation as part of the Project team. The vertical transportation consultant will provide comprehensive vertical transportation study and analysis of the Facility Design and Appendix 1A [Clinical Specifications and Functional Space Requirements] to determine the number, size and speed of the elevators for proposed plan. The requirements set out in a prescriptive manner herein will be considered minimums.

6.13.1.1(1) Submit analysis conforming to performance requirements to demonstrate suitable Design for contemporary hospital facility of this nature. Submit analysis report to the Authority for review.

6.13.1.1(2) Elevator service in a hospital is evaluated based on demands placed on the system during a typical, fifteen-minute, heavy, two-way traffic period, (i.e., considerable traffic is being handled in both the UP and DOWN directions), with passenger and vehicles entering and exiting the cars at various floors throughout the elevator round trip.

6.13.1.1(3) Elevator analysis, to provide service excellence in health care facilities, is predicated on the projected number of Patients, Staff counts in the Facility and the projected vehicle traffic.

6.13.1.1(4) Handling capacity:

6.13.1.1(4)(a) The Public Passenger Elevators will be capable of providing vertical transportation of the entire public population plus 50% of the Staff population;

6.13.1.1(4)(b) Public Passenger Elevators will have a handling capacity of at least 12% of the public and Staff population utilizing these elevators, for a peak 5-minute period;

6.13.1.1(4)(c) Patient Transfer/Staff Service Elevators will have a handling capacity of at least 8% of total number of beds and 12% of total Staff and Patient population utilizing these elevators for a peak 5-minute period;

6.13.1.1(4)(d) Handling capacity refers to the number of passengers that are transported by the elevator for a prescribed peak 5-minute period.

6.13.1.1(5) Interval

6.13.1.1(5)(a) Interval-based calculations will be used for the public and service elevators; the average interval for adequate elevator service will be between 30 and 50 seconds;

6.13.1.1(5)(b) The interval is defined as the average time between elevator departures from the ground floor.

6.13.1.1(6) Load factor: Passenger elevators will provide adequate service with a load factor below 40%. Load factor refers to the number of passengers transported by each elevator during one trip expressed as a percentage of the maximum number of passengers permitted by the Safety Code for Elevators and Escalators (CSA B44) – Safety Code for Elevators and Escalators.

6.13.1.1(7) Separation of traffic: provide distinct separation of traffic types, with passenger elevators for public, Patient and trauma elevators for inpatient traffic and service elevators for materials and logistic traffic.

6.13.1.1(8) Elevator grouping: grouping elevators rather than providing single units or small groupings at various locations gains the best elevator service. In consolidating elevator service, traffic congestion, infant security and walking distance will be considered.

6.13.1.1(9) Elevator locations: elevators will be located to provide separation of traffic types as well as minimize walking distances.

6.13.1.1(10) Staff/emergency/service elevator cabs: non-public elevators used to transport Patients will be able to accommodate a bariatric bed, up to four Staff, four IV pumps, extracorporeal life support equipment, portable ventilator, oxygen tanks and monitors; and have enough space to allow for Staff to carry out emergency procedures within the elevator and will be capable of transporting at least 12% of the Staff population for a peak 5 minute period.

6.13.1.2 Scope of Work

6.13.1.2(1) Provide passenger and service elevators as required to satisfy the equipment and performance specifications as herein described.

6.13.1.2(2) Provide groups of elevators for:

6.13.1.2(2)(a) Public and Staff passengers;

6.13.1.2(2)(b) Patient Transfers and Staff service;

6.13.1.2(2)(c) Maternity Patient service.

6.13.1.2(3) Provide heavy duty equipment engineered and designed to provide long-term reliable operation and performance based on the needs of the Facility.

6.13.1.2(4) Provide equipment and perform elevator work in accordance with the requirements of the most recent applicable edition of the following Standards and any other Codes or Regulations that are in effect, at the time of award.

6.13.1.2(4)(a) CSA/B44 Safety Code for Elevators and Escalators;

6.13.1.2(4)(b) CSA/B44 Safety Code for Elevators and Escalators (Appendix E);

6.13.1.2(4)(c) Requirements of the Elevating Devices Safety Regulation and the Safety Standards Act of BC;

6.13.1.2(4)(d) WorkSafe BC Occupational Health and Safety Regulation;

6.13.1.2(4)(e) CSA Z8000 – Canadian Health Care Facilities – Planning, Design and Construction section 12.2.6 – Elevators;

6.13.1.2(4)(f) CSA Z317.13 – Infection control during construction, renovation and maintenance of Healthcare Facilities;

6.13.1.2(4)(g) Fire Tests of Door Assemblies, CAN/ULC-S104-10;

6.13.1.2(4)(h) Canadian Electrical Code C22.1–06;

6.13.1.2(4)(i) British Columbia Building Code, 2018.

6.13.1.2(5) Include all work required for registration, testing and licensing of elevators by jurisdictional authorities.

6.13.1.2(6) Unless otherwise indicated, all stainless steel finishes will be manufacturer's standard ASTM type 304, brushed #4 finish.

6.13.1.2(7) For all elevators, provide the following:

6.13.1.2(7)(a) A full-height 14 ga stainless steel frame encompassing the full depth of each elevator door opening; and

6.13.1.2(7)(b) 16 ga stainless steel door panels, on both the public and the hoistway sides.

6.13.1.2(8) Use Good Industry Practice taking into consideration infection prevention and efficient flow, while also addressing movement control requirements.

6.13.1.3 Quality Assurance

6.13.1.3(1) All systems and components will have demonstrated record of reliable performance, in similar applications, for a minimum of five years.

6.13.1.3(2) Provide equipment capable of maintaining normal operations with power fluctuations up to 10% of normal supply voltage and machine / controller / hoistway temperatures of 5–35 degrees Celsius.

6.13.1.4 Trademarks

6.13.1.4(1) Manufacture / elevator contractor trademarks or logos will not be visible to the public.

6.13.1.5 Maintainability

6.13.1.5(1) Provide elevator equipment that will not restrict the ability to engage a competent elevator maintenance contractor, other than the original manufacturer / installer, for the provision of maintenance services. Where microprocessor based control systems are supplied, provide “on board” diagnostic tools and associated manuals containing all set-up parameters, code references and troubleshooting instructions required for routine maintenance and adjusting procedures.

6.13.1.5(2) Elevator equipment will not include any software, counters, timers, or other devices that will automatically shut down, alter, or otherwise effect normal equipment operation.

6.13.2 Elevators – Products

6.13.2.1 Public Passenger Elevators

6.13.2.1(1) Provide, as a minimum, a group of two (2) gearless machine-room-less (MRL) traction type passenger elevators servicing all levels of the Facility with the exception of floors which only contain mechanical or electrical uses.

6.13.2.1(2) Elevators will have rated capacity of 1820 kg (4000 lb), minimum rated speed of 1.0 mps (200 fpm).

6.13.2.1(3) Provide entrances at each floor served, with 1220 mm (48”) wide x 2135 mm (7’-0”) high clear horizontal sliding, centre-opening doors and finished in stainless steel.

6.13.2.1(4) Provide cab configuration to accommodate front openings only. Configurations using both front and rear openings can be confusing to the public and will be avoided. Car enclosure will have nominal clear inside dimensions of 2340 mm (7’-8”) wide, 1650 mm (5’-5”) deep and a minimum overall height of 2745 mm (9’-0”), with 2590 mm (8’-6”) to underside of suspended ceiling.

6.13.2.1(5) Provide car enclosure with stainless steel fronts, two (2) car operating panels and durable finishes.

6.13.2.1(6) Locate controller room adjacent to or in close proximity to the elevator core where service can be conducted with a minimum of disruption to occupants of the Facility.

6.13.2.1(7) Provide electrical brake release to permit controlled motion of the elevator from controller room.

6.13.2.2 Patient Transfer/Staff Service Elevators

6.13.2.2(1) Provide a group of two (2) overhead traction type service elevators serving all floors of the Facility. The Authority will review and approve front and rear openings based on the Design-Builder's Design. Both of the elevators will serve the mechanical level.

6.13.2.2(2) Elevators will have rated capacity of 3640 kg (8000 lb.), rated speed of 1.0 mps (200 fpm). Elevators will be engineered to accommodate Class C3 concentrated loads equivalent to 50% of the rated capacity with nickel silver sills.

6.13.2.2(3) Provide entrances at each floor served with 1830 mm (72") wide x 2135 mm (7'-0") high horizontal sliding, two speed, centre-opening doors and finished in stainless steel.

6.13.2.2(4) Provide car enclosure with minimum nominal clear inside (finished panel to panel) dimensions of 2134 mm (7'-0") wide, 3050 mm (10'- 0") deep, minimum overall height of 3050 mm (10'-0"), with 2896 mm (9'-6") to underside of suspended ceiling or lighting coves.

6.13.2.2(5) Provide car enclosure with stainless steel fronts, a minimum of two (2) car operating panels and durable finishes appropriate to the Facility. Provide nominal 100 mm wide stainless steel handrail and 155 mm wide stainless-steel bumper rail, bar type, with turned back ends.

6.13.2.2(6) Configure elevators as conventional overhead traction machine type. Locate the machine room directly above the elevator hoistway. Machine room-less type elevators are not acceptable for the Patient/Staff Service elevators. In addition to the entry/exit door for the machine room, a Utility access opening with two side by side fire rated doors will be included into the machine room Design to facilitate the removal of machines and other machine room equipment from the Facility. Minimum size for such openings will be 6'-0" wide x 6'-8" high.

6.13.2.3 Maternity Patient Service Elevator

6.13.2.3(1) Provide one (1) overhead traction type service elevator serving all floors of the Facility with the exception of floors which only contain mechanical or electrical uses. The Authority will review and approve front and rear openings based on the Design-Builder's Design.

6.13.2.3(2) The elevator will have rated capacity of 3640 kg (8000 lb.), rated speed of 1.00 mps (200 fpm) 0.75 mps (150 fpm). The elevator will be engineered to accommodate Class C3 concentrated loads equivalent to 50% of the rated capacity with nickel silver sills.

6.13.2.3(3) Provide entrances at each floor served with 1830 mm (72”) wide x 2135 mm (7’-0”) high horizontal sliding, two speed, centre-opening doors and finished in stainless steel.

6.13.2.3(4) Provide car enclosure with minimum nominal clear inside (finished panel to panel) dimensions of 2134 mm (7’-0”) wide, 3050 mm (10’- 0”) deep, minimum overall height of 3050 mm (10’-0”), with 2896 mm (9’-6”) to underside of suspended ceiling or lighting coves.

6.13.2.3(5) Provide car enclosure with stainless steel fronts, a minimum of two (2) car operating panels and durable finishes appropriate to the Facility. Provide nominal 100 mm wide stainless steel handrail and 155 mm wide stainless-steel bumper rail, bar type, with turned back ends.

6.13.2.3(6) Configure the elevator as conventional overhead traction machine type. Locate the machine room directly above the elevator hoistway. Machine room-less type elevators are not acceptable for the Maternity Patient Service elevator. In addition to the entry/exit door for the machine room, a Utility access opening with two side by side fire rated doors will be included in the machine room Design to facilitate the removal of machines and other machine room equipment from the Facility. Minimum size for such openings will be 6’-0” wide x 6’-8” high. A minimum 1525 mm wide two (2)-panel entry/exit door for the machine room is permitted to be provided in lieu of the above-noted additional utility access opening.

6.13.2.4 Traction Elevator equipment (including MRL equipment)

6.13.2.4(1) All equipment supplied will include a design and supply life of a minimum of 25 years.

6.13.2.4(2) Provide sound and vibration isolation pads such that there is no direct contact between the machine and the building structure.

6.13.2.4(3) Elevator machinery and switchgear will be adequately isolated from the Facility structure to prevent noise intrusion into occupied spaces that are not directly serviced by the elevators, i.e., all occupied spaces with the exception of elevator lobbies. Elevator

noise in occupied spaces will be at least 10 dB less than the background noise levels.

6.13.2.4(4) Provide an emergency brake to stop the elevator if it over-speeds or if unintended motion is detected in accordance with the B44 code.

6.13.2.4(5) Provide a fully regenerative solid state AC motor drive complete with isolation transformers and filters to meet IEEE Standard 519-1992 for Special Applications.

6.13.2.4(6) Provide digital encoders to provide closed loop feedback to the controller on car speed and position.

6.13.2.4(7) Provide a microprocessor based controller consisting of relays, contactors, switches, capacitors, resistors, fuses, circuit breakers, overload relays, power supplies, circuit boards, static drive units, wiring terminal strips, and related components all enclosed in a cabinet with hinged door panels.

6.13.2.4(8) Equipment will be rated for high usage, based on 240 starts per hour.

6.13.2.4(9) Including for guarding of equipment consistent with requirements of CSA B44 and local Standards and regulations.

6.13.2.5 Machine-Room-Less (MRL) equipment

6.13.2.5(1) Elevators of the machine-room-less (MRL) type will include the following:

6.13.2.5(1)(a) Provide gearless traction hoisting machine located within the hoistway.

6.13.2.5(1)(b) Provide a spring applied electric brake, held open by an electro-magnet actuated by the controller. Design the brake to automatically apply in event of interruption of power supply from any cause.

6.13.2.5(1)(c) Provide an automatic reset governor located in the hoistway that can be maintained from the car top. When the governor has tripped, arrange for it to be reset when the car is moved in the up direction. Provide a means to remotely activate the governor for testing purposes from the elevator controller room.

6.13.2.5(1)(d) Provide an electrically released brake system, to permit momentary nudging of elevator within the hoistway under test or emergency conditions.

6.13.2.5(1)(e) Locate controller room near proximity to the elevator core, or remotely at the Mechanical level.

6.13.2.6 Hoistway equipment

6.13.2.6(1) Provide entrances consisting of doors, frames, sills, sight guards, door hangers, tracks, interlocks, door closers, gibs, and all other equipment required for a complete installation. Provide entrance doors and frames finished in brushed stainless steel.

6.13.2.6(2) Provide standard ‘T' section steel guide rails for the car (and counterweight). Install guide rails using brackets fastened to the building structure. Clamp the guide rails to the bracket with clips arranged to prevent any horizontal movement of the rail. Join the rail sections using steel backing plates.

6.13.2.6(3) Provide hoist ropes/belts of sufficient size and number to lift the load and ensure proper wearing qualities. Provide either steel ropes consisting of at least six strands wound around a hemp core centre or polyurethane coated belts with high-tensile-grade zinc-plated steel cords. Ensure that all the ropes for a particular elevator are from the same manufacturing run.

6.13.2.6(4) Provide a counterweight to counterbalance the elevator for smooth and economical operation with cast iron or steel plate weights contained in a structural steel frame. Provide a counterweight equal to the weight of the elevator car plus between 45 and 50 percent of the rated capacity.

6.13.2.6(5) Provide for the car (and counterweight) spring mounted roller guides located at the top and the bottom of the car (and counterweight frame).

6.13.2.6(6) Provide fascia from each hall sill to the entrance header below. Include express zones. Extend the fascia into the pit and the overhead. Alternatively provide a CSA B44-certified car door interlock if fascia are not provided.

6.13.2.6(7) Provide sound isolated car platform

6.13.2.6(8) Provide a car frame constructed of steel channels and a platform constructed of steel channels with a wood or metal sub-floor. Isolate the frame and platform from one another so that there is no metal to metal contact in order to prevent the transmission of noise

and vibration. Mount the elevator cab shell on the platform in alignment with the hoistway entrances. Isolate the cab from the car frame and platform.

6.13.2.6(9) Install the elevator cabs with a running clearance of no more than 25 mm (1") between the car sill and hall sills to allow for smoother movement of wheeled equipment in and out of the elevators.

6.13.2.6(10) Paint all elevator pits up to the sill.

6.13.2.7 Cab equipment

6.13.2.7(1) Provide a heavy duty closed loop door operator to open and close the car and hoistway doors simultaneously.

6.13.2.7(2) Provide an infra-red multiple beam door protective device that protects the full width and up to 1830 mm (6') from the floor of the door opening.

6.13.2.7(3) Provide durable cab finishes which are consistent with other CMH Campus components, or as specified elsewhere. All finishes and cab design will be reviewed with and accepted by the Authority prior to manufacturing. Design will limit reveals, ledges, or gaps that are difficult to clean. All surfaces will be able to withstand disinfection chemicals used by housekeeping.

6.13.2.7(4) For each elevator with centre opening doors, or elevators with front and rear entrance arrangements, provide two (2) car operating panels.

6.13.2.7(5) Include, as part of the car equipment, the following:

6.13.2.7(5)(a) Stainless steel car fronts, including doors, return panels, transom panels;

6.13.2.7(5)(b) For passenger elevators, provide suspended ceiling, with recessed pot lighting. Include raised panels with high quality finishes to achieve a high-level aesthetic on all non-access walls. Provide cylindrical type, stainless steel handrails (38–50 mm in diameter) that are easily grasped. All Public Passenger Elevators will have Ligature Resistant and Tamper Resistant finishes, including handrails;

6.13.2.7(5)(c) For all Staff/emergency service elevators, provide indirect cove lighting. Include raised panels with 5WL textured stainless steel cladding on all non-access walls. Provide flat bar type, stainless steel hand

(100 mm) and bumper (155 mm) rails with turned back ends;

6.13.2.7(5)(d) Car operating panel(s), including LED illuminating floor buttons with audible call registration tone;

6.13.2.7(5)(e) In each car operating panel provide a digital (dot matrix or segmented) car position indicator with a minimum 50 mm (2") high display that will show the current elevator location and direction of travel. Where a display panel is provided in the car operating panel, the position indicator will be integrated into the programming of the display panel. Display screen will be capable of displaying emergency messages such as medical emergency, fire recall, wandering Patient, and infant protection, as required by the Facility;

6.13.2.7(5)(f) Jumbo car operating panel buttons will be provided for all elevators. The Elevator Subcontractor will submit details of these fixtures to the Authority for approval;

6.13.2.7(5)(g) Voice synthesizer with automatic verbal announcement of each floor;

6.13.2.7(5)(h) Hands-free two-way voice intercommunication / telephone system with a lobby station and remote handset. Provide communication from each car enclosure to designated CACF in the Facility and the Facilities Management Office in the Facility. Elevator phones must have the capability of being programmed to auto-dial to an outside monitoring station;

6.13.2.7(5)(i) Emergency battery powered lighting;

6.13.2.7(5)(j) Two speed ventilation fans;

6.13.2.7(5)(k) Firefighters' emergency operation panel;

6.13.2.7(5)(l) Service cabinet and switches; and

6.13.2.7(5)(m) Other features required for normal operation.

6.13.2.7(6) Do not install any certificates or licences in the cab. Arrange and pay for a variance from the Authority (if required).

6.13.2.7(7) Provide one set of cab protective pads for each group of elevators that cover all walls and the cab front return panel along with pad hooks. Provide pad hooks in each elevator.

6.13.2.7(8) Elevator will be constructed to accommodate MEO operation.

6.13.2.8 Hall Signals and equipment

6.13.2.8(1) Provide hoistway access switches located in the entrance frame or in the hall door sight guard at the top and bottom landing for each elevator regardless of the car speed or floor to floor height for safe access to the car top and pit areas.

6.13.2.8(2) Provide hoistway doors on all levels with standard landing door unlocking devices.

6.13.2.8(3) For single car or two (2) car elevator groups, provide one riser of hall stations located between adjacent elevators.

6.13.2.8(4) Provide in each hall station illuminating up and down oversized push buttons (at terminal floors, provide only one button located with their centreline 1070 mm ± 25 mm (42" ± 1") above the floor

6.13.2.8(5) Hall call buttons will be selected from manufacturer Top of line or third party series as approved by the Authority. All car and hall call button illuminations will be LED type with oversized button style and stainless steel finish.

6.13.2.8(6) For each elevator, provide a digital (dot matrix or segmented) hall position indicator located above the main floor entrances with a minimum 50 mm (2") high display. Provide hall lanterns with dual stroke electronic tones and adjustable volume control above each main floor entrance and above each entrance at all other levels served. Hall lanterns will be designed to allow 180 degree viewing of direction indicators.

6.13.2.8(7) For each group of elevators, provide a properly labelled Fire Recall keyswitch and keybox in one hall station at the main floor level. Activation of the keyswitch will initiate phase one of firefighters' operation.

6.13.2.8(8) For each elevator group (with the exception of the Public Passenger Elevators), provide one covered hall button at each hall station for "MEO" operation. Pressing the button will initiate stage 1 of "MEO" and illuminate an LED to confirm that demand is registered.

6.13.2.8(9) For each group of elevators, provide an emergency power selection switch and LED indicator, labelled "Elevator Emergency Power", in a separate emergency feature hall fixture at the main floor. Indicator will illuminate when elevators are operating on emergency power.

6.13.2.8(10) Provide elevator control panels within the Facility CACF and provide a lobby panel for the elevators including car position indicators, elevator lobby telephone handset and remote firefighter's emergency operation keyswitch and indicators, and any other elements required by the specification or governing codes and regulations.

6.13.2.8(11) Designated CACF is located in the Facility.

6.13.2.9 Electric Wiring

6.13.2.9(1) Provide copper wiring to connect the equipment.

6.13.2.9(2) Run all wire in metal conduit, duct or electrical metallic tubing.

6.13.2.9(3) Run travelling cable between car stations and the controller in the machine room, without use of mid-way junction boxes. All travelling cables will be round, as flat travelling cables are not permitted.

6.13.2.9(4) In addition to the wiring required for elevator operations, provide special wiring to support installation of two-way voice communication, wireless access points, security card readers, security IP video surveillance camera, video display screen within each car enclosure. If not used at the time of initial installation, label the unused special wires and provide a neat coil of at least five (5) feet of cable within an interface box mounted on side of each controller. The elevator contractor will ensure that wireless access points mounted in the elevator cabs will not interfere with the operation of the elevator.

6.13.2.9(4)(a) The wireless access points in each car will leverage the single mode fibre optic strands within the elevator cars' travelling cable harnesses to support media converter setups as defined within Section 7.8.4.1(21). The media converters will be connected to the network via fibre optic cross connects in the elevator control rooms and powered locally from the elevator cabs.

6.13.2.9(5) Provide at least ten percent spare of each wire type in each travelling cable.

6.13.2.9(6) Provide on each controller a separate junction box for non-elevator devices such as telephones, cameras, wireless access points, and security systems.

6.13.2.10 Accessory Systems

6.13.2.10(1) Provide a two-way voice communication system for the Facility elevators. The elevator communication systems will be a hands-free, two-way voice communication system in each Facility elevator, with a central CACF lobby rescue station and remote handset located in the Facility management office. Provide system that will permit two-way communication between any station location and each car enclosure, remote CACF Facilities management office and control/machine room(s). The new master station will have expansion capability to support the Existing Hospital and Campus elevators as equipment upgrades to the respective units are performed by the Authority at a later date. Conduit and conductors from the new master station to each of the existing elevator machine rooms and to the main floor landing will also be performed by the Authority, when upgrades to those existing elevators are completed.

6.13.2.10(2) Stations inside each machine room will be configured to communicate with master stations, remote stations, other machine room stations and as a minimum with elevators with equipment contained inside the respective room. System features will include a CPC-1 Return to Dial Relay to allow the phone to immediately disconnect when the operator hangs up, permitting the cab occupants to place an additional call.

6.13.2.11 Operational Features

6.13.2.11(1) For all elevators provide:

6.13.2.11(1)(a) Group supervisory, full selective collective operation.

6.13.2.11(1)(b) AC VVVF motion control

6.13.2.11(1)(c) Independent service operation

6.13.2.11(1)(d) Firefighters emergency operation phase 1 and 2

6.13.2.11(1)(e) Emergency power operation with automatic sequencing

6.13.2.11(1)(f) Inspection operation

6.13.2.11(1)(g) Hoistway access operation

6.13.2.11(2) For the Staff service elevator group, provide “Medical Emergency” Operation. Provide stage 1 push button and indicator in hall stations at each floor level and stage 2 push button and indicator in each elevator car operating panel.

6.13.2.11(3) For the Staff service elevators, in addition to the medical emergency operation, provide a priority call button in each lobby at each floor served. Activation of the priority button will select one elevator, remove it from group operation and, once it has completed all its current car calls, it will arrive at the floor where the priority call was initiated to give Staff access to an empty elevator. The priority call button in the service elevator lobbies will not be restricted by a security card reader or a key switch override and will be covered with a clear plastic cover. A slim/thin line device security card reader with a key switch override is required inside each elevator cab to provide integration with the elevator cab 'Medical Emergency' controls, and not protruding from the elevator panel, to control the elevator.

6.13.2.11(4) For all elevators provide a personnel card reader inside each elevator cab. For service elevators, the personnel card will be swiped to activate the elevator to go to that floor. For public elevators, no personnel card swipe will be required during normal hours of operation other than to restrict access to mechanical or other non-public levels. After hour access to any of the floors will require personnel card swipe to activate the elevator.

6.13.2.11(5) Provide restricted access to mechanical level.

6.13.2.11(6) Where applicable, all key switches will be keyed identical to those provided in other CMH Campus buildings.

6.13.2.11(7) For passenger and service elevators providing access to Clinical Spaces, provide Patient wandering system and infant protection system operation (lock down elevator when in-car exciter activated).

6.13.2.11(8) Minimal threshold gap at door to prevent wheeled equipment from getting stuck in threshold space.

6.13.2.12 Medical emergency operation features

6.13.2.12(1) Definitions

6.13.2.12(1)(a) MEO stage 1 operation occurs when an elevator is recalled directly to the level requested by hospital Staff.

6.13.2.12(1)(b) MEO stage 2 operation occurs once stage 1 is complete and MEO has been initiated from inside the elevator, and the elevator travels non-stop to the designated stop.

6.13.2.12(2) MEO will be pre-wired and fully installed on the Patient Transfer/Staff Service Elevators and the Maternity Patient Service Elevator. MEO operation is not required on the Public Passenger Elevators. Controller platforms will be configured to permit this feature to be activated.

6.13.2.12(3) MEO will be installed on as near to all elevators as possible to account for elevator use changing over time

6.13.2.12(4) MEO is installed to enable medical Staff to provide the most rapid care possible in an emergency.

6.13.2.12(5) MEO stage 1 and 2 will be initiated by a push button in all instances. MEO buttons will have a blue collar and a blue cover (to be provided by the Authority). The push buttons can be supplemented by card reader devices.

6.13.2.12(6) MEO Stage 1 will be initiated at all hall entrances.

6.13.2.12(7) During stage 1, an illuminating indicator will indicate that passengers will exit the cab at the floor at which MEO was initiated.

6.13.2.12(8) During stage 1 and 2, an illuminating indicator adjacent to the hall card reader will indicate when an elevator has been called for a MEO.

6.13.2.12(9) During stage 1 and 2, an illuminating indicator in the car will indicate that the elevator has been called for a MEO.

6.13.2.12(10) Not used.

6.13.2.12(11) MEO operation will be terminated automatically after a pre-determined amount (field programmable between 0 and 60 seconds) of time following the elevator arriving at its designated stop.

6.13.2.12(12) If firefighter's emergency operation (FFEO) is initiated when MEO stage 2 is in effect, the elevator effected will not respond to the FFEO signal until MEO stage 2 has terminated.

6.13.3 Execution

6.13.3.1 Performance

6.13.3.1(1) Levelling - Arrange that the car stops within 3 mm (1/8") of the floor level. Ensure that levelling accuracy is not influenced by load inside the car with the same levelling accuracy achieved at no load and full load and any load in between.

6.13.3.1(2) Adjust the door equipment so that the noise level is less than 62 decibels during a full door open and door close operation. Measure the noise levels using a sound level meter set to the "A" scale for a fast response.

6.13.3.1(3) Arrange the control room and machine room equipment so that the noise level with the elevator running is less than 80 decibels. Measure the noise levels using a sound level meter set to the "A" scale for a fast response.

6.13.4 Pneumatic Tube Systems

6.13.4.1 The pneumatic tube system will be designed to accommodate the requirements of the Facility and the Existing Hospital in a manner which contributes to the overall efficiency and effectiveness of operations.

6.13.4.2 The placement of each of the pneumatic tube stations will allow easy access for Staff, have adequate counter space and storage for preparing and receiving material, proper lighting for all times of the day and be in view of the care team stations on inpatient units. The tube station will be conveniently located close to Staff. Tube stations are not permitted to have public access.

6.13.4.3 The Design-Builder will provide a computerized pneumatic tube system (PTS) that interconnects and serves the Components with automated secure on-demand transport of light materials and health care products.

6.13.4.4 The PTS will be a six-inch tube up-send / down-receive system.

6.13.4.5 The Design-Builder will provide pneumatic tube stations in the Facility at the following locations:

6.13.4.5(1) All locations noted in Appendix 1A [Clinical Specifications and Functional Space Requirements].

6.13.4.5(2) Construct the pneumatic tube system with sufficient capacity, infrastructure and transfer units to serve the following additional Components:

6.13.4.5(2)(a) Main Entrance and Registration (Phase 2 Renovations);

6.13.4.5(2)(b) Laboratory (Phase 1); and

6.13.4.5(2)(c) Health Information Management (Phase 2 Renovations).

6.13.4.5(3) The Design-Builder will provide the tube and transfer units for Phase 2 Renovations areas up to and including the transfer stations for the above-noted Components; final tube run outs and

Commissioning of the Phase 2 Renovations transfer units will be provided in Phase 2. Transfer stations may be located in the Facility or in Level 0 of the Existing Hospital.

6.13.4.6 The PTS will:

6.13.4.6(1) be a computer-controlled pneumatic tube materials distribution system, consisting of tubing, stations, transfer units, blower packages, carriers, and a control system with a 150 mm diameter tube;

6.13.4.6(2) include all necessary transfer units, user stations and carriers through a strategically designed network tubing in a configuration that is optimized for overall PTS performance. "Transactions Times" will be at a minimum as supported through a pre-installation "Virtual System Simulation" conducted by the Design-Builder;

6.13.4.6(3) allow the dispatching, routing and storage of carriers to be directed by a system control centre to provide automatic unattended transmission of carriers between two stations;

6.13.4.6(4) all stations will be of the recessed type; no virtual stations will be allowed. Locate stations in such a way to minimize Staff travel distance;

6.13.4.6(5) include no more than eleven stations per zone;

6.13.4.6(6) provide each zone with its own blower and to allow it to function independently;

6.13.4.6(7) include an anticipated six carriers for each station. Exact number of carriers will be determined by the Authority;

6.13.4.6(8) include at least one spare port at each transfer unit;

6.13.4.6(9) have a modular design of system components that will permit changes in the number of stations and/or zones as Authority requirements change;

6.13.4.6(10) have directly adjacent a dedicated, standing height, Millwork countertop with two deep drawers below for storage. Refer to Appendix 1C [Minimum Room Requirements]; and

6.13.4.6(11) Exact location of pneumatic tube stations will be as required to ensure no disruption of clinical and functional operations due to noise and secure receiving.

6.13.5 Demountable Partitions

6.13.5.1 All demountable partitions will:

6.13.5.1(1) be Moveable Solid and Glass Walls, demountable partitions or a product of equivalent quality;

6.13.5.1(2) include sliding, butt hinge, pivot, aluminum with glass lite, wood with optional glass lite, frameless glass doors and glazing, and double sliding barn doors, all sourced from a single manufacturer; and

6.13.5.1(3) have an STC rating of 37 minimum (determined using ASTM E90).

6.13.6 Electrical, Communications, and Security System Requirements

6.13.6.1 Integrate voice, data and security system components into demountable partitions.

6.13.6.2 Provide conduit, boxes and electrical duplexes and integrate into electrical and communication components.

6.13.6.3 Provide for installation of electrical, communications, and security system items arranged so that wiring can be readily removed and replaced.

6.13.6.4 Boxes: Provide outlet and pre-wired device boxes in cavity of demountable partitions for all outlets and devices. Provide metal junction and pull boxes where required. Will offer plug and play electrical solution.

6.13.6.5 Conduit: Provide option for metal conduit in cavity of demountable partitions, from outlet and device boxes to top or bottom of demountable partitions to permit wiring installation and connections.

6.13.6.6 Components: Provide all cut-outs and reinforcements required for demountable partitions to accept electrical, communications, and security system components.

6.13.7 Demountable Unitized Panel Partitions

6.13.7.1 Solid Panels

6.13.7.1(1) Aluminum Framing: Aluminum extrusions will be 6063-T54 or 6061-T6 aluminum alloy.

6.13.7.1(2) Face Mounted Tile Attachment: Provide unitized frame assembly to accept face mounted tiles.

6.13.7.1(3) Frame Accessibility: Provide up to 75 mm (3 inches) clear wall cavity for distribution of utilities accessible from either side of wall by removable face panels. The wall cavity will also accommodate plumbing.

6.13.7.1(4) Face Panels: The following face tiles and finishes may be used:

6.13.7.1(4)(a) Paint Finish: Factory applied paint finish;

6.13.7.1(4)(b) Wood Veneer Finish: Factory applied wood veneer finish;

6.13.7.1(4)(c) Upholstered Fabric Finish: Factory applied Fabric finish;

6.13.7.1(4)(d) Frameless Back Painted Glass: Factory applied paint finish on frameless glass;

6.13.7.1(4)(e) Solid Write Away Tile (for dry eraser): Factory applied finish on tiles;

6.13.7.1(4)(f) Magnetic Whiteboard; and

6.13.7.1(4)(g) Custom material.

6.13.8 Glass Panels

6.13.8.1(1) Glass included in partitions will have aluminum glazing framing with aluminum extrusions, 6063-T54 or 6061-T6 aluminum alloy. Frame Finishes will be one of the following.

6.13.8.1(1)(a) Clear Anodized aluminum; AAMA 611, AA-M12C22A31, Class II;

6.13.8.1(1)(b) Powder coat Color: Factory applied powder coat to match paint finish; and

6.13.8.1(1)(c) Wood Veneer Wrapped Finish: Factory applied wood veneer finish.

6.13.8.1(2) Frame Bases

6.13.8.1(2)(a) Provide frame bases with provisions for height adjustment to accommodate floor slab variances; and

6.13.8.1(2)(b) Provide a leveling mechanism for making fine adjustment in height over adjustment range of the product.

6.13.8.1(3) Connections and Supports: Provide manufacturer's standard connections and supports that connect and release from floor and ceiling without damage with exception of the following conditions: bulkhead (drywall ceiling), seismic conditions, electrical or service feeds, physical connections to base building (where required).

6.13.8.1(4) Panel Joint Closure: Will be manufacturer's standard, capable of closing up to a 25 mm (1 inch) gap between demountable partitions and base building elements.

6.13.8.1(5) Trim: Will be continuous and modular, factory finished, snap-on type; adjustable for variations in floor and ceiling levels.

6.13.8.1(5)(a) Base Trim Profiles: Recessed; removable to access leveling mechanisms.

6.13.8.1(5)(b) Ceiling Trim Profile: Recessed; adjustable to accommodate up to a 12 mm (1/2 inch) gap between demountable partitions and base building elements.

6.13.8.1(5)(c) Wall Trim Profile: Recessed; adjustable to accommodate up to a 12 mm (1/2 inch) up to 25 mm (1 inch) gap between demountable partitions and base building elements.

PART 7. FACILITIES SERVICES SUBGROUP SPECIFICATIONS

7.1 Mechanical Systems Design Principles

7.1.1 This Section is accompanied and will be read in conjunction with:

7.1.1.1 Appendix 1A [Clinical Specifications and Functional Space Requirements];

7.1.1.2 Appendix 1C [Minimum Room Requirements]**;**

7.1.1.3 Appendix 1D [Acoustic and Noise Control Measures];

7.1.1.4 Appendix 1F [Systems Responsibility Matrix[;

7.1.1.5 Appendix 1J [Equipment List];

7.1.1.6 Appendix 1I [Cx Roles And Responsibilities Matrix];

7.1.1.7 Appendix 1N [Pipe Identification Matrix]; and

7.1.1.8 Schedule 8 [Energy and Carbon Guarantee].

7.1.2 The mechanical (HVAC), plumbing, fire protection, speciality systems and medical gas systems will be designed to provide a healing, comfortable and productive environment for the Facility users.

7.1.3 Provide all systems to meet the infection control requirements of this Schedule and CSA Z317.13.

7.1.4 The Design-Builder is responsible for and will provide all the environmental parameters, including temperature and relative humidity, and the infrastructure required for equipment listed in Appendix 1J [Equipment List].

7.1.5 The mechanical (HVAC), plumbing, fire protection, speciality systems and medical gas systems will be designed to minimize impact on the natural and physical environment, through energy efficiency, optimization of resource use, and simplification of the systems. The systems will be designed to have no adverse effects on the existing CMH Campus.

7.1.6 The mechanical (HVAC), plumbing, fire protection, speciality systems, and medical gas systems will be designed and located to be hidden or blend into the overall architectural Design of the Facility. The design and location of equipment will mitigate noise transmission to areas of respite for Patients, Staff and visitors, and the residential properties adjacent to the CMH Campus; refer to Appendix 1D [Acoustic and Noise Control Measures].

7.1.7 All mechanical systems, equipment, material and installation will conform to the latest version of all the applicable codes, Standards, regulations and guidelines; refer to Section 2.2.

7.1.8 For CSA Type I and Type II as defined by CSA; mechanical and plumbing equipment will be configured and located in such a way that maintenance and repair can be performed without entering these areas. VAV boxes serving individual Patient Rooms located on the Patient care floors, with the exception of AIRs, may be located in the ceiling of the Patient Room served, either in the entrance or above the ensuite washroom.

7.1.9 The mechanical (HVAC), plumbing, fire protection, speciality systems and medical gas systems component selection, system design, and installation will incorporate the flexibility and adaptability for future repurposing without major disruption or alteration to the facilities infrastructure. Where possible, locate risers close to columns, exterior walls or other permanent features to accommodate Future Flexibility.

7.1.10 Mechanical (HVAC), plumbing, fire protection, specialty systems and medical gas systems will be planned for the Phase 2 Renovations and Future Flexibility repurposing. Chilled water, heating water and condenser water system mains and risers will be sized for 10% spare capacity above that required at date of occupancy of the Facility and the Phase 2 Renovations areas for Future Flexibility. Valved connections will be provided for connection of future capacity noted above. Access will be provided, and shown on drawings, for moving equipment in and out of the mechanical rooms, Electrical Rooms and similar spaces where large pieces of infrastructure equipment will be located without disruption to operations and major rework.

7.1.11 The mechanical (HVAC), plumbing, fire protection, speciality systems and medical gas systems will be developed to provide reliability of uninterrupted continual operation. Redundancy will be included in Facility system Design to ensure uninterrupted service and maintain all spaces in accordance with CSA Z317.2 Table 1 parameters in the case of a source equipment or component failure while under normal operating conditions; refer to each systems section for all system-specific redundancy requirements. Redundancy and spare capacity will be demonstrated in real time to the Authority after the Facility is commissioned and balanced; refer to Section 5.5.12. Drawings submitted for review in accordance with Appendix 2A [Submittals], Schedule 2 [Review Procedure], will include spare capacity and redundancy values for equipment as well as domestic water, sanitary, and gas services to the Facility.

7.1.12 Provide water, sanitary, storm and natural gas utilities as required and sized to suit the consumption and discharge needs of the Facility occupancy based on Schedule 1 requirements plus an additional 10% spare capacity to allow for Future Flexibility. Existing water service currently located where the Facility will be situated on Site will be relocated by the Design-Builder and reconnected to the existing systems. Water service disruption will be limited, coordinated with the Authority and not last longer than 4 hours.

7.1.13 All mechanical piping systems, i.e. heating, cooling, domestic water, sewer, storm, plumbing venting, medical gas, natural gas, propane, etc. will have 10% additional capacity above Facility and the Phase 2 Renovations requirements on date of occupancy built into all main piping distribution sizing for Future Flexibility.

7.1.14 Provide duct shaft areas with 20% additional space for future services installation. Shaft space for future will be continuous from top to bottom of shaft without offset or impedance by other services. Shaft space for future will be accessible at each floor with the location and size of maintenance access openings determined in consultation with the Authority. Provide permanent personnel access doors at top and bottom of shaft and on alternating floors in between. Personnel access doors may be located above ceilings if access can be demonstrated as practicable. If shafts are located outside of the floor plate in projections of the building envelope, provide knock out provision for running future services out of the shafts.

7.1.15 Mechanical services in electrical rooms and Telecommunications Rooms will maintain a clear height of 2200 mm AFF. Hydronic and domestic piping will not be routed through these types of rooms and any sanitary and storm piping will be avoided. Only sprinkler piping serving the room is permitted in the space, no other sprinkler mains or branches are permitted. Equipment with fluid connections will not been installed in these types of rooms.

7.1.16 Water, glycol and other fluids used within mechanical systems will be treated to prevent corrosion, algae growth, buildup of deposits, disease, bacteria and will prolong the equipment life.

7.1.17 All mechanical (HVAC), plumbing, fire protection, speciality systems, and medical gas systems will be vibration isolated to minimize noise and vibration through the structure or other components of the Facility; refer to Section 5.9.8.

7.1.18 No “drop in” anchors will be used to support, hang, or brace piping, ductwork, or other equipment. Anchors will be either cast in place anchors for wooden forms certified to ICC-ES AC446, mechanical expansion type stud anchors ICC ES listed for cracked and un-cracked concrete applications, or mechanical screw anchors for concrete, ICC ES listed for cracked and un-cracked concrete applications.

7.1.19 All mechanical (HVAC), plumbing, fire protection, speciality systems and medical gas systems will comply with standard acoustic requirements in accordance with CSA or current ASHRAE application handbooks, whichever is more stringent. All pipes, ducts and fittings will be insulated to conserve energy, prevent condensation, attenuate noise and prevent accidental burns. All Facility services and ductwork will be run inside the building envelope.

7.1.20 Speciality systems may include acid waste and vent, radioactive waste and vent, reverse osmosis water, laboratory air, laboratory vacuum, oncology pharmaceutical preparations, natural gas, laser cooling water and dialysate solutions as required by the Facility clinical functions; refer to Appendix 1A [Clinical Specifications and Functional Space Requirements] and Appendix 1C [Minimum Room Requirements].

7.1.21 All corridors connecting the Facility to the Existing Hospital will be equipped with pressure control to create either positive or negative pressure relationships with the surrounding areas. This pressure control will be utilized to augment the Outbreak Control Zones noted

in 5.7.1.2 and provide additional pressure separation of the Maternity Services Unit during an outbreak, These corridors will comply with the ventilation and control parameters of Outbreak Control Zones as described in 7.4.4.1(3). The relative pressure relationship will be selected with a single command to the BMS and will be determined on a case by case basis by the Authority.

7.1.22 Public and Staff entrances, including entrances from the Covered Ambulance Drive-Through, will be protected by vestibules and air curtain heaters. Service entrances will be protected by air curtains. Air curtains are not required for doors with direct access to mechanical rooms or electrical rooms, or for exits from stairwells.

7.1.23 Design all equipment, valves, cleanouts, and other mechanical and plumbing items to be Serviceable by the Authority's maintenance Staff.

7.1.24 Roof top items will be Serviceable and located away from building edge, so they can be accessed without requiring fall arrest equipment; refer to Section 5.2.1.8.

7.1.25 Clear access will be provided for all equipment, valves, cleanouts, and other items requiring maintenance, so Staff can perform work without removing other services or building finishes other than ceiling tiles; refer to Section 5.2.1.7.

7.1.26 Equipment located more than 3 m AFF in mechanical rooms or on roofs will be Serviceable by ladder or other mobile platform. The Design-Builder will provide indications of servicing and maintenance access in accordance with Schedule 2, Appendix 2A [Submittals]. Where insulation needs to be regularly removed to perform maintenance, the insulation will be removable blanket-type insulation.

7.1.27 Refer to Appendix 1L [Acceptable Manufacturers and Vendors List] for manufacturers or vendors to be used on this Project and procedure for substitutions.

7.2 Fire Suppression (Division 21)

7.2.1 Basic Requirements

7.2.1.1 Provide all required fire protection for the Facility.

7.2.1.2 The sprinkler system and equipment will be designed to the occupancy classification that it protects. Provide additional capacity of 10% above Facility requirements within each system including main and branch line sizing for Future Flexibility.

7.2.1.3 Provide on the sprinkler system take-off from the water supply, approved detector type, redundant double check valve assemblies with approved listed OS&Y gate valves on both sides complete with tamper switches.

7.2.1.4 The fire pump, if required, will be supplied directly from the generator synchronization switchboard and directly from the main normal power MDP. The fire pump will have a transfer switch which is part of the fire pump controller; package mounted in separate mechanically attached enclosure to form one assembly, specifically approved for the purpose as a complete unit. Carry full load of fire pump in the generator calculation with no diversity.

7.2.1.5 Sprinklers subject to freezing temperatures such as the Covered Ambulance Drive-Through, window sprinklers, and exterior overhangs will be supplied by a dry system. Heat tracing of branch lines is not permitted.

7.2.1.6 Pendant concealed quick response sprinklers will be provided in all areas with dropped ceilings with temperature ratings to suit the specific hazard area. Refer to Appendix 1C [Minimum Room Requirements]. Acceptable product: TYCO Series “Royal Flush II” Concealed Pendant Sprinklers or approved equal.

7.2.1.7 Provide quick response concealed type institutional Tamper Resistant, and Ligature Restraint sprinkler heads as required by Appendix 1C [Minimum Room Requirements]. Acceptable product: TYCO Raven Institutional Pendant Sprinkler or approved equal.

7.2.1.8 Provide a double interlocked, cross zoned pre-action supplied sprinkler system(s) to the following rooms: MCC/BCC and Telecommunications Rooms. Activation of the double interlocked cross-zone system will be by a minimum of one smoke detector and one heat detector per zone connected to the pre-action panel.

7.2.1.9 Locate each fire extinguisher as required by applicable codes and to the satisfaction of the Authority Having Jurisdiction. Provide fire extinguisher in B7.3 Workroom-Biomed. Ensure each fire extinguisher is approved for the hazard and classification of the space it serves.

7.2.1.10 All fire extinguishers in finished spaces will be fully recessed.

7.2.1.11 There will be no wet sprinkler system permitted in the main Electrical Room, in accordance with the BCBC. Provide either a double interlocked, cross zoned pre-action supplied sprinkler for the main Electrical Room or provide two (2) hour fire resistance rating around main Electrical Room and do not install sprinklers in the room.

7.2.2 Performance Criteria

7.2.2.1 All fire protection systems will be hydraulically sized to NFPA Standards.

7.2.2.2 All equipment and installation will be in accordance with manufacturers' requirements.

7.2.2.3 All equipment will be ULC approved.

7.2.2.4 Qualified contractor licensed and regularly engaged in such installations will install all fire protection systems and equipment.

7.2.2.5 Provide backflow protection on all fire protection systems in accordance with CSA requirements.

7.2.2.6 Locate zone shut-off valves so they are visible and accessible from the floor. Do not conceal from view and do not locate in Housekeeping Rooms, storage rooms, stairwells or similar spaces. All valves controlling water flow will be monitored. Fire Department connection will be installed at a location approved by the Authority Having Jurisdiction.

7.2.2.7 Install fully recessed fire extinguisher cabinets in all areas of the Facility except for service areas which may be in semi-recessed cabinets if wall mounted or surface mounted cabinets on structural columns. All fire extinguisher cabinets will be provided and located in the Facility to the satisfaction of the Authority Having Jurisdiction.

7.3 Plumbing (Division 22)

7.3.1 Basic Requirements

7.3.1.1 Provide dedicated water, fire protection, natural gas, sanitary, medical gas, and storm services as required and sized to suit the usage needs of the Facility and provide an additional future capacity of 10% above Facility requirements on day of occupancy based on this Schedule 1 and Appendix 1A [Clinical Specifications and Functional Space Requirements] for Future Flexibility. Sewer, storm and water service penetrations will be designed for flexibility and movement. No services will be buried in concrete in accordance with Section 5.9.6.4.

7.3.1.2 Supply into the Site will have redundant reduced pressure backflow preventers, 25 micron filtration, and water softening system to provide softened water to the Facility. Refer to incoming water quality and post treatment water quality

requirements, which will be made available to the Design-Builder. Supply will have independent shut-off valves and wye strainer before the backflow prevention located in dedicated Water Entry Room. Provide a water meter for the domestic service. Submit the projected domestic water supply load and spare capacity values in each Design and Construction submission. Provide 150 mm diameter domestic cold piping to interconnect the Facility service and existing campus service located in the Water Softener Room on Level 0 and Make Good insulation and jacket.

7.3.1.3 Domestic water systems will meet the requirements outlined in American Water Works Association (AWWA) Standards. Provide water treatment, as required to meet CSA/AWWA Standards – and the Authority's Public Health water quality Standard or the Canadian Drinking Water Standard. Provide an exterior domestic water connection to enable domestic water connection to an exterior source if water main service is not available from the City main; refer to Section 5.4. Provide Legionella testing and certification immediately before building occupancy by the Authority.

7.3.1.4 Provide sanitary manhole in a location accessible by pumper truck; refer to Section 5.4 for post disaster requirements for services. Confirm sanitary pump-out manhole access in 30% and 100% submissions and demonstrate system operation in real time to Authority prior to Substantial Completion.

7.3.1.5 Provide utilities-grade meters for domestic water, propane, and natural gas. The meters will accurately measure water flow, propane and natural gas consumption in all flow conditions.

7.3.1.6 Provide the plumbing, fire protection, and medical gas systems in such a manner as to avoid disruption to the continuous operation of the Facility during maintenance or repairs. All isolation, maintenance, balancing, and other service valves will be Serviceable and located in the corridor ceiling spaces; refer to Section 5.2.

7.3.1.7 Distribute domestic water with a minimum of two (2) risers to each floor. Each riser will be sized to provide the full fixture load of the floor. Floor distribution will utilize a completely looped system for Future Flexibility. The distribution loop will connect to all risers serving the floor. Divide the total floor area into six (6) equal zones and provide valves to allow any one (1) zone or riser will be shut off for service while maintaining services to the other five (5) zones for Levels 1, 2, and 3. The domestic water distributions systems on Level 0 and Penthouse (Level 4) do not require looped water mains or two risers.

7.3.1.8 Provide dedicated automated shut off valves on the water piping serving Secure and Safe room plumbing fixtures. The valves will be controlled remotely via the BMS. Staff will be able to open and close the valves from the associated care team station; refer to Appendix 1A [Clinical Specifications and Functional Space Requirements].

7.3.1.9 Incorporate flexibility in the system Designs to accommodate future alterations. Label all systems clearly, including painting and labelling of all pipes, ceiling identification dots, valve tagging, and emergency valve identification signage.

7.3.1.10 Provide and install all fixtures and equipment in accordance with manufacturer's specifications, Standards, and installation instructions.

7.3.1.11 Provide the water systems to ensure that water is supplied at the required pressures for optimal fixture operation to all water outlets. Minimum water pressure will be maintained at 35 PSI to the most remote fixture, which will be demonstrated as part of the Facility Commissioning; refer to Section 5.5.12.

7.3.1.12 Provide water inlet connections exterior to the Facility for supply water through tanker truck connections. Design to include the ability to maintain the minimum pressure required by code in the Facility with building operational while drawing water from the tanker truck by using a booster pump provided in the Facility. The system may use the domestic pumps utilized in daily operations to achieve the required pressure, pumping system will be on delayed vital power. The system will be designed in such a way that it may be used as a backup if the municipal services fail during a disaster event such as an earthquake and will tie in downstream of the Facility back flow protection. The operation of this system will be demonstrated to the Authority in real time prior to building occupancy.

7.3.1.13 Provide durable materials to allow for continuous operation with minimal downtime. Domestic and non-potable water piping in the Facility will be copper, ductile iron, or stainless steel. PEX piping is only permitted for use in trap primer and flushing lines run in concrete floor slabs in accordance with Section 5.9.6.4. Sanitary, venting, and storm piping above ground in the Facility will be cast iron or copper.

7.3.1.14 Domestic and non-potable water piping will be connected by soldering, brazing, threading, flange or roll grooved systems. Connections utilizing compression will not be used except for connection of trap primer lines run in the slab.

7.3.1.15 Provide services for easy access and serviceability while avoiding interference with other services during operation and maintenance activities. All equipment, valves, and cleanouts will be Serviceable and removable, if required, without adapting wall/ceiling finishes or structure.

7.3.1.16 With the exception of drainage serving fixtures located directly above the Level 0 Main Electrical room no plumbing piping consisting of sanitary, storm, non-potable or domestic water services will pass through Electrical Rooms, Telecommunications Rooms or UPS rooms. Provide drip trays with copper piping to the floor where gravity drainage piping is used in this room. Drip tray drain termination will be located outside of the electrical room in a visible location to allow FMO to be alerted to the collection of fluids in the drip tray.

7.3.1.17 Provide floor drains for:

7.3.1.17(1) all mechanical rooms,

7.3.1.17(2) where required in Appendix 1C [Minimum Room Requirements];

7.3.1.17(3) where required in Appendix 1J [Equipment List]; and

7.3.1.17(4) all other devices and equipment requiring these drains including emergency showers, reverse osmosis systems and backflow prevention devices.

7.3.1.18 Ensure all equipment drain piping is terminated at floor drains and floors slope to the drains. Drains serving back flow prevention devices will be sized to accommodate the full flow of the back flow preventer device as calculated by the device manufacture.

7.3.1.19 Not Used

7.3.1.20 Provide interceptors to intercept oil, grease, dirt, solids, and bio-waste from the Facility. Interceptors will be Serviceable and located in such a manner that they can be emptied without running hoses through the Facility. Grease interception will be centralized, i.e. one (1) interceptor for dishwashers as per City of Williams Lake requirements and one (1) for sinks and floor drains. Provide a connection for both the sink/floor drain system and dishwasher system in the Retail Coffee Shop.

7.3.1.21 Provide domestic water strainers at 25 microns on the incoming service into the Facility. Design will provide a level of redundancy which will allow for filter maintenance or replacement to occur without affecting filtered water flow to the Facility.

7.3.1.22 Provide the domestic water booster pumping system per the requirements of CSA Z317.1. The number and arrangement of pumps will be such that peak demand can be met in the event of failure of one pump. Pumps will be connected to delayed vital power if required to provide minimum pressure requirements on the top floor and included in the emergency generator calculations. The system will provide uninterrupted water service and constant pressure under all conditions. It may also be able to work in conjunction with Section 5.4 requirements for delivery of potable water from a tanker truck in post-disaster conditions described in Section 7.3.1.12.

7.3.1.23 All piping will be accessible. No in-slab or concrete encased piping is allowed except piping noted as permitted in Section 5.9.6.4.

7.3.1.24 The Secure Room will be equipped with flushing rim style floor drains. Flushing device will be concealed push button type. Backflow prevention on supply piping to floor drains will be located in Housekeeping and/or mechanical rooms. Provide concealed hose bib for Secure Room cleaning.

7.3.1.25 Provide floor drains beside all macerators for macerator overflow. This floor drain will not connect to the same horizontal branch piping as the macerator drain.

7.3.1.26 Coordinate final location of all drains through User Consultation Groups.

7.3.1.27 All vents will terminate outdoors; the use of air admittance valves in not permitted.

7.3.1.28 All piping will be installed in an organized arrangement and parallel to the Facility structural grid lines. Vertical piping will be installed plumb and horizontal piping level or graded as required by code for sanitary or storm systems. Provide support under all wyes located at ends of branches and all p-traps.

7.3.1.29 Not Used

7.3.1.30 Provide domestic cold, hot, and hot recirculation piping complete with valves and caps, sanitary venting, sanitary piping, and a minim 75 mm grease system connection for the Retail Coffee Shop as per Section 5.7.3.

7.3.1.31 Provide water and sanitary connections on Facility exterior for the Mobile Medical Unit as noted in Section 5.12.

7.3.2 Performance Criteria

7.3.2.1 Connect all sanitary drainage utilizing gravity drainage whenever possible. Provide a manhole easily accessible by vacuum truck to allow pumping of sewage in the event of municipal system failure.

7.3.2.2 If pile foundations are used to support the structure, all under-slab piping will be supported (hung) from the concrete slab above. Hangers and rods will be of sufficient strength and be installed at intervals to carry the pipe and load and maintain the required slope. Hangers and rods will be corrosion resistant. Install light-weight fill above all piping that is supported (hung) from the concrete slab above. Support system will be demonstrated to work, and demonstration witnessed by the Authority prior to installing on the Site.

7.3.2.3 Pumping systems for subsurface, storm, or sanitary drainage will include 100% redundancy (one redundant unit for each active unit) and related equipment will be supplied with delay vital power. The storm / subsurface sump will have twin compartments for settling and pumping and will be sized to prevent short cycling of the pump. Provide local alarm and outputs to the BMS for high water levels, status, and pump failure.

7.3.2.4 Insulate storm drainage, domestic and non-potable water piping, cooling water, condensate and exposed p-traps in unheated areas throughout and in accordance with BCICA quality Standards. Where piping and/or piping components are subject to freezing, provide insulation and heat tracing. Provide canvas or vinyl service jacket on all exposed insulation inside, provide aluminum jacketing outside and on exposed piping in Covered Ambulance Drive-Through. Piping 3m AFF in

mechanical rooms does not require jacketing. Ensure Life Safety Systems are not installed in locations subject to freezing.

7.3.2.5 Provide drainage as required to alleviate water pressure exerted onto the bottom of foundations and/or floor slabs and around elevator pits. Perimeter drainage and weeping tile will be provided with cleanouts every 26 m and for every cumulative change of direction greater than 45 degrees. Piping will grade at a minimum of 1” in 40’.

7.3.2.6 All plumbing drainage for acidic fluids will be of acid-resistant material to a point where dilution, as a result of additional discharge from other sources or a neutralizer, reduces the acidity of the discharge to a neutral pH.

7.3.2.7 Provide flushing and disinfection of domestic water systems to AWWA and CSA Standards. Provide independent testing of piping systems once flushing and cleaning has been completed and provide documentation of testing to the Authority for review.

7.3.2.8 Provide trap primers in drains that are subject to losing the trap seal due to infrequent use, negative pressure, or overly hot conditions which include:

7.3.2.8(1) Mechanical rooms;

7.3.2.8(2) Housekeeping Rooms or Closets;

7.3.2.8(3) Utility Room Soiled rooms;

7.3.2.8(4) Emergency showers;

7.3.2.8(5) Floor drains without a dedicated load for equipment or fixtures; and

7.3.2.8(6) P-traps for shower, lavatory, and hand hygiene sinks in AIRs.

7.3.2.9 Provide electronic trap primers with solenoid valves controlled by electronic time clock or BMS. Trap primers which rely on fixture use or pressure drop will not be used.

7.3.2.10 Conceal all sanitary, storm, venting, waste, and water piping in interior walls. Only trap arms and water supply piping will be exposed. Fixture outlet piping for adjustable height fixtures will be installed so that no water can collect in the piping at any fixture height. Provide solid supply tubing to sinks and lavatories for ease of cleaning where no shroud is provided. Braided hoses may only be used when the sink or lavatory served is equipped with a shroud and the mixing valve is supported independent of the braided supplies.

7.3.2.11 If domestic water system pressure exceeds the acceptable delivery pressure noted in BC Plumbing Code of 80 PSI, then provide pressure reducing valves with 100% redundancy. Place the valves in accessible locations in mechanical rooms or

accessible chases. Provide Serviceable isolation valves on both sides of each pressure reducing valve so each valve can be removed from service without impacting water flow to areas served. Pressure reducing valves dedicated to equipment with specific pressure requirements may be mounted beside equipment served and do not require redundancy.

7.3.2.12 Locate sanitary cleanouts between 1.2 m and 1.5 m AFF. Cleanouts will be Serviceable and oriented so that a drain auger can be easily inserted. Locate cleanouts for lavatories behind the mirror located above the fixture, Fixtures without mirrors will be provided with key lockable stainless-steel access doors. In rooms required to have Ligature Resistant features as described in Appendix 1C [Minimum Room Reequipments], the water closet flush valve access panel may be utilized to access the cleanout.

7.3.2.13 No domestic water pipe will be routed in an exterior wall; all piping will be installed in heated spaces.

7.3.2.14 Incorporate flexibility in the system Design to accommodate future alterations. Label all systems clearly, including painting and labelling of all pipes, ceiling identification dots, valve tagging, and emergency valve identification signage. Pipe labels will be installed every 8 m, each side of every wall penetration, and beside service valves. Pipe and equipment labels will align with requirements noted in Appendix 1N [Pipe Identification Matrix].

7.3.2.15 Provide Avery dots to identify access points for isolation valves, balancing valves, control devices, and cleanouts. Provide Avery dot color matrix to FMO for review before installation. Avery dots will be provided on ceiling grids and access panels.

7.3.2.16 Where drainage piping must be located in Electrical Rooms to serve Clinically required plumbing fixtures above the length of pipe run in the Electrical room will be minimized and drip trays installed under the piping. The drip trays will slope to drain and the drain will be copper piping which terminates above an exposed funnel floor drain located in a visible location so staff are alerted in the case of discharge from the drip tray.

7.3.3 Plumbing Fixtures

7.3.3.1 Basic Requirements

7.3.3.1(1) All plumbing fixtures will be suitable for an acute care hospital facility. Fixtures selected will have proven acceptable hospital performance from previous installations. All wall hung fixtures will be supported by floor mounted carriers and be equipped with shrouds to cover traps and water shut offs. Shrouds will be completely sealed to prevent access by Patients or public for tampering or hiding of contraband. Provide fixture stops with lock shield screwdriver slot.

7.3.3.1(2) Consult with the Authority on the selection of fixtures and give particular attention to performance relative to infection prevention and control. The dimensions will, at a minimum, meet CSA Standards for all hand hygiene sinks.

7.3.3.1(3) Public lavatories, ensuite washroom lavatories and lavatories in Patient washrooms will be accessible to Persons with Disabilities. Provide a minimum distance of 800 mm from the wall or fixture to centreline of the Patient water closets unless otherwise directed by the Authority.

7.3.3.1(4) Provide Vandal Resistant and Ligature Resistant fixtures where noted in Appendix 1C [Minimum Room Requirements].

7.3.3.1(5) Water closets in IPU Patient room bariatric washrooms will be floor-mounted rear outlet water closets with a minimum height of 425 mm to rim, which will accommodate mobile commodes as set out in Section 5.10. Provide mock up to confirm compatibility with the Authority supplied equipment, i.e., commodes. Compatibility will be demonstrated and accepted by the Authority through mock ups; refer to Section 2.6.

7.3.3.1(6) Provide anti-splash, anti-aerosolizing faucet fittings (i.e. laminar flow) that do not retain air. Unless otherwise specified, provide gooseneck faucet fittings. Avoid low profile gooseneck faucet fittings. Faucet discharge will not discharge directly in drain grid.

7.3.3.1(7) Fixtures will not have an overflow. Trap arms will connect to drain piping with a slip joint connection at the wall; MJ clamp are not acceptable. Provide chrome escutcheons for water and drain wall penetrations.

7.3.3.1(8) Public water closets will be floor-mounted rear outlet bowls with an open front seat and wired electronic flush valves with a minimum dimension of 425 mm from floor to top of seat.

7.3.3.1(9) Staff water closets will consist of wall-hung elongated bowls with an open front seat and wired electronic flush valves. All water closets will be a minimum height of 480 mm AFF to rim.

7.3.3.1(10) Patient water closets, except for water closets in bariatric Patient rooms described in Section 7.3.3.1(5), will consist of wall-hung elongated bowls. All Patient water closets will have an open front seat, manual high/low dual flow flush valves, be equipped with back rests and have a minimum distance of 800 mm from the wall or fixture to centerline of the water closet. All Patient water closets will be a minimum height of 425 mm AFF to rim. Water closets will

be of a type that can be used with portable bariatric commode chairs as required. Compatibility will be demonstrated to the Authority with physical mock up prior to approval.

7.3.3.1(11) Patient water closets in Secure Rooms will be 12-gauge 304 stainless steel combination water closet and lavatory fixtures with white powder coating and integral recessed water closet paper holder. Water closet will be elongated bowl with integral contoured seat. Fixture will be able to withstand loadings of 5,000 lb without damage. Secure Room will be equipped with flushing rim floor drain activated from the adjacent space A3.9 Alcove-Hose Bib. Space A3.9 Alcove-Hose Bib will be equipped with hose bib in recessed box with lockable lid.

7.3.3.1(12) Patient water closets in rooms that require Vandal Resistant and Ligature Resistant fixtures will be 16 gauge 304 stainless steel floor-mounted rear outlet fixtures with push button concealed flush valve. Exterior surfaces will be powder coated white and fixture will be provided with a gray ligature resistant toilet seat cover. Seat will be a minimum of 467 mm AFF. Standard of Acceptance Whitehall Manufacturing Best care Model WH2142-ADA-W-2-EGE10.

7.3.3.1(13) Water closets will have a minimum MaP score of 800.

7.3.3.1(14) Showers and tubs will be provided with pressure balanced and high temperature limit valves, metal shower heads will be utilized. Shower valves will utilize single motion activation to operate i.e. no pull out-turning motion only.

7.3.3.1(15) Tubs in SRMC Patient Room ensuite washrooms will be accessed from three (3) sides. Minimum internal tub dimensions will be 1372 mm long by 686 mm wide and 508 mm deep, standard of acceptance Kohler Mariposa K-1242. Tubs will be provided with 75 mm p-traps and trap arms to accommodate quick draining of tubs. Trap or trap arm may not be shared by adjacent shower drain. Telephone shower from adjacent shower area will be used for washing tub occupant. Provide shower hose long enough to provide this function.

7.3.3.1(16) Tubs will be designed so the contents can be drained without reaching into the tub. This will be provided by mechanical or other means.

7.3.3.1(17) Patient showers will be telephone style including Ligature Resistant shower elbow with check valve and quick disconnect fitting. Telephone shower hoses will have smooth easy to clean surface.

Shower hoses will be sized to ensure the shower head cannot be submerged in any adjacent plumbing fixture.

7.3.3.1(18) Slide bars provided for telephone showers will be designed and load rated to act as CSA B651 rated grab bars.

7.3.3.1(19) Shower bases will ensure that the water is contained within the shower area and drain fully without puddles or ponding water. Shower drainage will be demonstrated to the Authority prior to installation of floor finish. Showers bases installed in suspended slabs over occupied areas will have two (2) membrane layers mechanically clamped to the floor drain body and grate. Shower base build up details will be provided in all drawing submissions; refer to Section 1.6 of Appendix 2A [Submittals], Schedule 2 [Review Procedure]**.** Shower bases will not be fiberglass or acrylic.

7.3.3.1(20) Showers for Staff use will not be less than 1.2 m wide x 1.2 m wide.

7.3.3.1(21) Except for Medical/Surgical Inpatient Unit and Maternity Services Unit ensuite washrooms, public and Patient washrooms lavatory fixtures will be made of an impervious, durable material and will have electronic hands-free type faucets with single temperature supply that can be adjusted and set to the desired temperature. Lavatories will be wall hung, equipped with shrouds to cover waste and supply piping, and will be accessible to Persons with Disabilities.

7.3.3.1(22) Utility sinks will be commercial grade stainless steel sinks integral to the counter top with following minimum dimensions: 580 mm length, 430 mm width, and 200 mm depth. Faucets will be goose neck laminar flow with blade handle unless noted otherwise. Provide thermostatic mixing valve to limit hot water discharge temperature to 43 degrees Celsius.

7.3.3.1(23) Ensuite washroom lavatory fixtures will be made of an impervious, durable material and will have manually operated faucets with blade handles. Provide thermostatic tempering valve to limit hot water discharge temperature to 43 degrees C. Lavatories will be wall hung with shroud to cover waste and supply piping and will be accessible to Persons with Disabilities.

7.3.3.1(24) Bariatric washroom fixtures for bariatric rooms will comply with Section 5.10.3 of this Schedule.

7.3.3.1(25) Hand hygiene sinks will be CSA Z8000 compliant, wall hung, made of an impervious durable material (vitreous china, porcelain), and equipped with shrouds to cover waste and supply piping.

7.3.3.1(26) Hand hygiene sinks in Utility Room-Soiled, Housekeeping Rooms and other Staff only areas may be made of stainless steel for impact resistance. The sinks will have electronic hands-free type faucets with gooseneck spouts and single temperature supply that can be adjusted and set to the desired temperature and will have an integral temperature control that is user adjustable. Hand hygiene sink will be reviewed and approved by the Authority.

7.3.3.1(27) Hand hygiene sink in the Exam/Treatment Room-Safe will be Ligature Resistant. Acceptable manufacturer and model is Franke Safe ensuite basin or approved alternate.

7.3.3.1(28) Alcove-Nourishment sinks will be two (2) compartment stainless steel or solid polymer fabricated surfacing sinks integral to the countertop with a blade handle goose neck faucet and an instant hot water dispenser. Provide water supply and drain connection for ice maker; refer to Appendix 1J [Equipment List].

7.3.3.1(29) Provide plaster traps on utility sinks and hand hygiene sinks in Cast Room and on utility sink in associated Utility Room-Soiled.

7.3.3.1(30) Not Used.

7.3.3.1(31) Fixtures will meet code accessibility requirements for Persons with Disabilities.

7.3.3.1(32) Provide BMS controlled trap primers with automatic solenoid valves to maintain the prime of p–traps for showers, lavatories, and hand hygiene sinks in Airborne Isolation Rooms and anterooms.

7.3.3.1(33) Provide hose bibs, janitorial sinks, wall-mounted eyewash stations, emergency showers, emergency shower/eyewash stations and wall-mounted drench hose in accordance with Appendix 1C [Minimum Room Requirements].

7.3.3.1(34) Provide all appropriate services and connections to all equipment noted in Appendix 1J [Equipment List]. Provide all components including pressure reducing valves, water filters, and water hammer arrestors to comply with the manufactures' installation requirements.

7.3.3.1(35) Sinks will be stand-alone wall hung type with floor mounted carrier or have bowls integrally formed into countertops. Drop-in or under-mount style countertop sinks will not be used, except for B7.3 Workroom-Biomed, which will be a drop-in style stainless steel countertop sink.

7.3.3.1(36) Provide impact resistant floor janitorial sinks with stainless steel rim in accordance with Appendix 1C [Minimum Room Requirements] of an adequate size, depth and access to support the floor burnishers and other required housekeeping equipment. Faucet will have blade handles, integral stops, vacuum breaker, and be equipped with a hose connection on the spout. Janitorial sinks will be concrete or terrazzo construction. Provide mop holder, hose and hose holder, and stainless steel wall protection.

7.3.3.1(37) Provide a RPBD protected hose thread connection for all housekeeping detergent dispensing systems, minimum one (1) per Housekeeping Room and as noted in Appendix 1C [Minimum Room Requirements]. For ease of identification, the Design-Builder will label these as DD-1 fixture on all Submittals including Drawings and in Specifications.

7.3.3.1(38) Provide eyewash and emergency shower fixtures to comply with ANSI 2358.1- 2009 or latest Standards, Authority Work Place Health and Safety Guidelines, and WorkSafe BC OHS Guidelines. The Design-Builder, in consultation with the Authority, will determine emergency eyewash and emergency shower requirements to suit the identified level of risk. Provide floor drain for each emergency shower location, centered directly below the shower head with floor sloped to drain for 1.20 m in all directions measured outwardly from the centre of the drain. Provide eyewash and emergency shower fixtures in all locations required by the above standards and where indicated in Appendix 1C [Minimum Room Requirements].

7.3.3.1(39) Concealed key operated non-freeze hose bibs will be provided around the Facility at 15 metre spacing on each ground level exterior wall, each accessible roof, except for the roof of the Covered Ambulance Drive-Through, and on every exterior deck or enclosed exterior area for Patient or Staff use.

7.3.3.1(40) Bottle fillers will be fully recessed, refrigerated, stainless steel, hardwired, with no touch sensor activation, and equipped with filtration. Fixture will have a drain connection connected to sanitary. Fixtures will be CSA B651 compliant.

7.3.3.2 Performance Criteria

7.3.3.2(1) Provide isolation valves for all plumbing services and clearly identify the location of all valves.

7.3.3.2(2) Provide accessible clean-outs for all sinks and lavatories above the flood-level rim of the sink. Also include provisions for clean outs on rough-ins for future sinks and lavatories.

7.3.3.2(3) With the exception of the Secure Room, provide low/high flush water closets to reduce water consumption for all ensuite washrooms.

7.3.3.2(4) Fixtures requiring backflow preventers will have backflow preventers concealed in wall or located in mechanical rooms, Housekeeping Rooms or similar service room.

7.3.3.2(5) Select water closets that will reduce the spread of infection. Size flush valves for the water consumption of the bowl. Water closet bowls will not splash or spray water onto the water closet rim or anywhere outside of the water closet bowl and will be designed to minimize the aerosolization of the water closet contents.

7.3.3.2(6) All electronic sensor-activated fixtures will be hardwired and on vital emergency power.

7.3.3.2(7) Provide filtered water for all ice machines; refer to Appendix 1J [Equipment List].

7.3.3.2(8) Fixtures will be installed in accordance with the manufacturer's installation guidelines. With the exception of integral sinks all fixtures will be caulked, porcelain fixtures with white caulking and stainless steel fixtures with clear or grey caulking.

7.3.4 Domestic Hot Water Systems

7.3.4.1 Basic Requirements

7.3.4.1(1) Provide a domestic hot water system with redundancy and sufficient capacity and recovery rate for the hot water requirements of the Facility. Allow for 10% expansion capacity within each system for Future Flexibility. Calculate domestic hot water demand in accordance with ASPE Plumbing Engineering Design Handbook.

7.3.4.1(2) Domestic hot water supply will be of adequate temperature to serve the needs of the Facility and stored and circulated at temperatures noted in CSA Z317.1 Table 1. Provide either a central mixing valve or dedicated mixing valves per tank to reduce from stored tank temperature to distribution temperature. Provide thermostatic mixing valves where temperatures are required to be less than 60ºC at point of use as required by CSA Standards.

7.3.4.1(3) Provide fail safe bypass for over temperature water after central or dedicated mixing valves. Provide alarm to BMS for over temperature conditions. To permit uninterrupted service provide normally closed bypass around the mixing and diverting valves complete with lockable valve. Bypass will connect to piping before over temperature monitoring sensor to permit continuous monitoring of domestic hot water temperature.

7.3.4.1(4) Ensure timely delivery of hot water to all fixtures (0-10 seconds acceptable). Domestic hot water will be recirculated, use of heat maintenance cable is not permitted. Hot water recirculation velocity will be limited to a maximum of 1.2 m per second. Provide automatic flow limiting valves at each fixture served to balance system. Manually adjusted balancing valves not permitted.

7.3.4.1(5) Design the domestic hot water system to prevent growth and spread of Legionella bacteria within the piping, fixtures, or any other component. Design methods will include eliminating dead-leg piping and minimizing uncirculated piping by connecting the circulation system as close as possible (less than 300mm) to fixtures. Hand hygiene sinks, and any electronically operated hands free faucets, will have the circulation connection within 50 mm of the hot water supply to the fixture.

7.3.4.2 Performance Criteria

7.3.4.2(1) Provide multiple domestic hot water generators sized so that with the largest generator out of service the system provides a minimum of 50% redundancy. Include the fuel requirements for domestic hot water generation in the 72 hour fuel allowance described in Section 7.3.6.6. If separate system is provided for dedicated systems, this system will also be included in the fuel storage capacity.

7.3.4.2(2) Generate domestic hot water at 70ºC to minimize conditions for legionella bacteria.

7.3.4.2(3) Recirculate domestic hot water from the distribution system(s) back to the generating equipment.

7.3.4.2(4) Monitor hot water supply temperatures via the BMS with dedicated sensors and provide alarm outputs when the temperature exceeds or is lower than the design set point.

7.3.4.2(5) The domestic hot water generating equipment will meet the energy efficiency requirements of ASHRAE 90.1.

7.3.4.2(6) Tanks used to store or preheat domestic hot water will have internal active heating elements (gas or hot water) capable of

attaining a water temperature in the tank of 80ºC for the purpose of sanitizing. All domestic hot water system components will be on delayed vital emergency power. Provide 25-year warranty on domestic hot water tanks.

7.3.5 Medical Gas Systems

7.3.5.1 Basic Requirements

7.3.5.1(1) The Design-Builder will provide oxygen to the Facility by connecting to the oxygen distribution piping at the bulk oxygen tank farm. The bulk tank farm currently resides within the footprint of the Facility, the Design-Builder is responsible for the provision of a new bulk tank farm in a new location outside of the building foot print. The Design-Builder will be responsible for providing all piping and associated infrastructure for the new bulk tank farm from the Facility through the existing CMH Campus and will coordinate the connection point, routing, and tie in with the Authority and its supplier. Provide flexible connection with isolation valve between the Facility and the Existing Hospital.

7.3.5.1(2) The Design-Builder will:

7.3.5.1(2)(a) Provide centralized duplex bottle manifold supply systems to serve the CMH Campus for the following medical gases:

(a).1 medical air (4 hour reserve);
(a).2 oxygen (8 hour reserve); and
(a).3 nitrogen; and
(a).4 nitrous oxide.

7.3.5.1(2)(b) Centralized duplex bottle manifold supply systems will be based on anticipated usage from Appendix 1A [Clinical Specifications and Functional Space Requirements], and the requirements of the Authority;

7.3.5.1(2)(c) Duplex manifolds for nitrogen and nitrous oxide will be sized to hold a minimum of one week’s capacity per side with additional 20% spare capacity in manifold sizing. Manifold room will have designated storage space and racking for spare bottles equal to 72 hours capacity for each system not connected to the manifolds;

7.3.5.1(2)(d) Design the centralized duplex bottle manifold supply systems so that they will, when required, automatically

switch to the spare bank of bottles (and that switching to the spare bank is alarmed at the master alarm);

7.3.5.1(2)(e) Include in the Facility a separate enclosed room with adequate space for the storage of medical gas bottles for the following medical gases: argon, helium, oxygen mix and rare gas/oxygen mix. Bottle quantity will be confirmed to meet the Authority's operational needs. Provide minimum room size of 9 NSM and complete with racks to secure bottles; and

7.3.5.1(2)(f) The medical gas bottle storage room will be directly accessible from a Back of House corridor and will not pass through any other intervening spaces. Locate room on Level 0 of the Facility for Convenient Access to the loading dock for supply of replacement bottles. The door to the room will be a painted 1067mm wide hollow metal door with access control. Provide wall protection to a height of 1350 mm AFF inside the room.

7.3.5.1(2)(g) Space allowance for future carbon dioxide duplex manifold supply system to be shown in the med gas cylinder room. Size manifold for three (3) bottles per side. Provide power and BMS infrastructure terminated in the med gas cylinder room for connection in Phase 2 Renovations. Piping to terminate in ceiling above with space allowance for connection in Phase 2 Renovations.

7.3.5.1(3) Provide new central medical air and medical vacuum systems with capacity to serve the Facility, replace existing medical air and medical vacuum equipment, and provide 10% for Future Flexibility and provided with redundancy so that if any two (2) of the compressors or pumps in either system were to fail or be shut down, there will be no degradation of the compressor or pump system's ability to meet the capacity requirements of the Facility and CMH Campus systems.

7.3.5.1(4) Connect new central medical air and medical vacuum systems to vital or delayed vital emergency power with full anticipated load carried in emergency generator calculation without diversity. Provide valve and capped air intake connection in mechanical room to permit medical air system to draw air from supply air ductwork after the AHU filter banks in the case of forest fire or high pollution condition.

7.3.5.1(5) Not Used

7.3.5.1(6) Provide active AGSS with redundancy so that with two (2) vacuum producers out of service the system can meet design loads. System will have 40% spare capacity to permit extension of system to existing OR's in future. System will operate at 12"Hg. Provide valve and capped connections to permit connection of anesthetic gas reclamation system in future.

7.3.5.1(7) The Design-Builder will install an emergency oxygen outlet suitable for a tanker truck to draw alongside and dispense oxygen into the Facility system; refer to Section 5.4. Provide Serviceable manually operated valves to isolate the Facility from the rest of the CMH Campus where oxygen line enters the Facility. If piping between the bulk oxygen tank farm and the Facility is damaged these valves will be closed to permit the pressurizing of the Facility system by the tanker truck.

7.3.5.1(8) With the exception of outlets such as those located in booms and single outlets, locate medical gas outlets in either a built-up headwall arrangement or prefabricated Patient service module system that incorporates medical gases, electrical and data outlet quantities as set out in Appendix 1C [Minimum Room Requirements].

7.3.5.1(9) All pipe and pipe fittings will be in accordance with ASTM 88, de-greased copper Type 'L'.

7.3.5.1(10) Service Outlets

7.3.5.1(10)(a) Provide recessed service outlet boxes designed for concealed piping and fabricated for straight insertion of secondary equipment.

7.3.5.1(10)(b) Each recessed wall outlet will have a permanently marked, colour-coded non-interchangeable index system to prevent connection to the wrong gases. Provide a secondary check valve to maintain the line pressure if the primary valve is removed for maintenance.

7.3.5.1(10)(c) Provide 2-part DISS type outlet connections for each medical gas. Refer to Appendix 1C [Minimum Room Requirements] for locations and quantities.

7.3.5.1(10)(d) Provide recessed lockable Patient service module (vertical headwall) in Emergency Department Exam/Treatment Room-Safe and Exam/Treatment Room-Bariatric-AIR. This Patient service module will

consist of a Millwork solution accommodating all regulators, flowmeters, vacuum bottles and related equipment in a fully operational configuration allowing Staff to unlock, use and lock the unit without having to assemble or disassemble the components. Provide recessed outlets with protective cover in the Decontamination Room.

7.3.5.1(11) Ball type shut off valves will be ULC labelled showing the appropriate gas service and pressure rating. Valves will swing out during installation and have a quarter turn from full open to close. All valves will be dual port. In the case of valves over 50 mm (2") for medical vacuum system butterfly valves may be used instead of ball valves provided purge points are provided in piping immediately before and after valve and the valves are stainless.

7.3.5.1(12) Area zone shut off valves will be housed in a single box comprised of multiple shut off valves with tube extensions, acrylic glass door with hinges and pull-out opening ring. Provide pressure / vacuum gauges for each service. Provide label stating rooms served by valves.

7.3.5.1(13) The existing nitrous oxide manifold in located within the foot print of the Facility. The Design-Builder is responsible for relocating the manifold to a temporary location in the Level 0 Medical Gas room to permit the Construction of the Facility and then transitioning the system to the new manifold in the Facility once it has been commissioned.

7.3.5.2 Performance Criteria

7.3.5.2(1) Provide the medical gas system so that there is a minimum of one (1) zone shut off valve per program area and a local alarm panel for each zone. Monitor all local alarms on BMS system.

7.3.5.2(2) Provide valved and capped medical gas piping connections stubbed into the boiler room at minimum 2400 mm AFF in a Serviceable location sized to serve the future Phase 2 Renovations loads provided below for the following gases: oxygen, medical air, medical vacuum, nitrous oxide, nitrogen, carbon dioxide, and AGSS.

7.3.5.2(2)(a) Oxygen - 18 outlets at 30% utilization;

7.3.5.2(2)(b) Medical Air - 18 outlets at 30% utilization;

7.3.5.2(2)(c) Medical Vacuum - 21 outlets at 30% utilization;

7.3.5.2(2)(d) Nitrous Oxide - 5 outlets at 100% utilization;

7.3.5.2(2)(e) Nitrogen - 4 outlets at 100% utilization;

7.3.5.2(2)(f) AGSS - 5 outlets at 100% utilization; and

7.3.5.2(2)(g) Carbon Dioxide - 6 outlets at 50% utilization.

7.3.5.2(3) All medical gas piping in normally inaccessible areas (e.g. behind GWB walls and ceilings) will be clearly identified.

7.3.5.2(4) Provide the medical gas system such that each Component program area will have its own valve box and alarm panels. Alarm panels will be connected to vital emergency power.

7.3.5.2(5) Provide an alarm interface signal to the BMS for critical alarms such as low or high pressure from each local alarm station.

7.3.5.2(6) All piping, valves and filters will be factory cleaned and capped or sealed to prevent contamination.

7.3.5.2(7) All departments will be provided with local valve boxes and alarm panels.

7.3.5.2(8) Provide a master medical gas alarm panel to monitor all medical gas functions. Master alarm panel will be located in the Emergency Department Care Team Station-Large or other suitable room agreed upon with the Authority during the design process, with 24 hour continuous surveillance. Remote alarm annunciation of master medical gas alarms will be provided at a location with 24 hour continuous monitoring by FMO personnel and not be located in Clinical Spaces. Provide an inter-connected status and alarm point and signal to the BMS. The FMO provider will be the first responder.

7.3.5.2(9) The Design-Builder will relocate the existing medical gas master alarm points from the Existing Hospital to the new master alarm panel.

7.3.5.2(10) Individually connect all alarms from master alarm panels to the BMS.

7.3.5.2(11) All medical gas systems will be certified in accordance with CSA Standards by an independent and qualified testing agency who will be employed by the Authority.

7.3.5.2(12) All systems components requiring electrical power will be on delayed vital or vital emergency power.

7.3.5.2(13) The medical gas supply system will be for Patient consumption only. If equipment and/or procedure(s) require medical grade gas supply, then provide separate dedicated source equipment, piping, valves and monitoring to accommodate that application.

7.3.5.2(14) The Design-Builder will decommission and remove all redundant oxygen, medical air, nitrous oxide, and medical vacuum source piping, equipment pads and/or housekeeping pads, and control components from the CMH Campus and Make Good all surfaces and penetrations through walls and ceilings once the Facility oxygen, medical air, medical vacuum, and nitrous oxide systems have been commissioned, connected to the existing systems and the existing equipment is no longer required by the Authority.

7.3.6 Specialty Systems

7.3.6.1 Provide all specialty systems required for the operation of the Facility, including:

7.3.6.1(1) Not used;

7.3.6.1(2) oil, grease, dirt, and solids interceptors;

7.3.6.1(3) reverse osmosis water system to supply feed water to the humidification system; and

7.3.6.2 medical gas systems.Interceptors will be provided and installed in accordance with manufacturer’s specifications and applicable codes. Interceptors will be located so they can be serviced without pulling hoses through the Facility or releasing contaminates into the surrounding air.

7.3.6.3 Dishwashers will be served by a central dedicated grease interceptor. All other fixtures that receive grease will be served by a separate centralized dedicated grease interceptor. If garburators are installed they will discharge into a solids interceptor which will then discharge into the centralized grease interceptor serving fixtures.

7.3.6.4 Acid waste, vent piping, and fittings will be suitable for the pH levels of the waste system.

7.3.6.5 Oil Storage and Distribution Systems

7.3.6.5(1) Provide a complete and fully operational fuel oil system to serve the new emergency power generation systems. Provide a total of 80 hours of usable fuel storage in either an underground and day tank per system or dedicated belly tanks as part of packaged outdoor generator enclosures. The Design-Builder to maintain fuel supply infrastructure serving the existing generators until new

generators are operational, connected to the existing power distribution, and accepted by the Authority.

7.3.6.5(2) Underground storage tanks will be double wall tanks complete with mechanical anti-overfill device, inventory floats for fuel and water levels, interstitial and turbine leak detection, personnel-access for tank maintenance and spill containment on fill connection from tanker truck. Above ground day tanks and belly tanks will be double wall tanks complete with mechanical anti-siphon device, inventory floats for fuel and water levels, and interstitial leak detection. Belly tanks will be insulated and provided with means to maintain the stored fuel at the temperature and viscosity recommended by the generator manufacturer for optimal engine performance on a 1% January design day.

7.3.6.5(3) Underground double wall piping system will include leak detection monitored transition sumps. Piping will rise above grade before entering the Facility. Provide shut off valves before and after the piping enters the Facility above grade. Provide signage marking location of exterior valves for first responders.

7.3.6.5(4) Provide an inventory system to provide fuel levels to transfer pumps, monitor inventory and water levels in all tanks, and all interstitial / turbine / and transition sump leak detectors. Inventory system will communicate with BMS to provide alarms / status, tank inventory levels and graphics.

7.3.6.5(5) Provide duplex transfer pumps with control panel, relief valves, strainers, check valves, gauges, flow switches and hand priming ability for remotely located suction pumps. Control panel will communicate and receive signals from BMS and inventory systems. Transfer pumps will transfer fuel from underground storage tank to day tanks or between dedicated belly tanks. Transfer pumps will shut down on low level alarm from underground storage tanks or belly tank being transferred.

7.3.6.5(6) Provide fuel filtering and polishing system to maintain stored fuel at the recommended generator supplier fuel quality parameters. Provide redundancy and bypasses required to allow filter maintenance without interrupting fuel flow to generators.

7.3.6.5(7) Provide cathodic corrosion protection on any direct buried steel pipe associated with oil distribution and storage system.

7.3.6.5(8) Remove all redundant equipment, piping, controls, etc. from the existing emergency power generation systems being relocated.

7.3.6.6 Propane and Natural Gas Systems

7.3.6.6(1) Provide new propane system to supply back up fuel to the gas fired devices in the Facility for a minimum of 72 hours.

7.3.6.6(2) The new propane system will include liquid propane tank, electric vaporizer, and calorific convertor sized for the Facility heating, domestic hot water and humidification loads and the heating and ventilation loads of the renovated Ambulatory Care and Mental Health units to be completed as part of the Phase 2 Renovations. Provide the new supply piping from the propane tank location and connect to the gas line serving the Facility immediately after the gas meter. Provide 3-way isolation valve on the propane/natural gas connection.

7.3.6.6(3) Propane vaporizer and calorific convertor will be connected to delayed vital or vital power with full load accounted for in the emergency generator calculation. This system will be monitored for status and alarms by the BMS.

7.3.6.6(4) The Design-Builder is responsible to coordinate with Fortis Gas for the upsizing of the existing natural gas meter station and the service piping to supply both the Facility and the Existing Hospital, excluding the Nurses' Residence, gas loads. The Authority will be responsible for the payment of all engineering, design, construction, temporary feeds, and commissioning by Fortis Gas.

7.3.6.6(5) The Design-Builder will coordinate with Fortis Gas to provide temporary connections and work arounds to accomplish the upsizing and reconnection of natural gas to the Existing Hospital without disrupting gas flow for longer than four (4) hours at one time or as otherwise agreed to by the Authority.

7.3.6.6(6) The Design-Builder will provide a meter and propane interconnection with minimal visual impact by recessing or fully screening the new assembly. BMS will receive inventory information from the propane tank inventory system.

7.4 Heating, Ventilating and Air Conditioning (Division 23)

7.4.1 Facility Heat Source

7.4.1.1 The Design-Builder will provide heating for the Facility and connected CMH Campus systems as noted in 7.4.1.2 by providing a stand-alone heat source in the Facility.

7.4.1.2 The Design-Builder will provide multiple hot water heating boilers to provide all necessary heating including redundancy and additional 10% allowance for Future

Flexibility above Facility requirement including domestic hot water generation for the Facility, if applicable, and the Phase 2 Renovations to meet the standards as follows:

7.4.1.2(1) the boilers will provide heat for the entire connected Facility systems to meet their full functional requirements for a period of at least 72 hours following any disruption of the supply of natural gas Utility service.

7.4.1.3 The Design-Builder will provide a dedicated pumped loop sized to service the Phase 2 Renovations and extend the loop piping to the existing boiler room with valve and capped connections. Provide 515 gpm with 70’ of head pressure at the connection point in the existing Boiler Room. Of this volume 300gpm will be 40% glycol in accordance with Schedule 1 Section 7.4.2.1(21). The remaining 215 gpm is based on 40% glycol and may be reduced to 184 gpm of water if the Phase 1 design provides separate glycol and non-glycol systems. Flows are based on 20 degree F delta T. Piping will be tested, cleaned, and insulated.

7.4.1.3(1) Provide 30mm diameter supply and return connections for Level 0 Health Records from the new supply and return mains as they pass the Health Records space allocation. Provide valves and caps on connections. Flow required for Level 0 Health Records included in value provided above.

7.4.1.4 The Design-Builder will provide clean steam for humidification. Steam will be generated by electricity or gas. Clean steam for humidification will not contain chemicals or contaminates harmful to health or which slow the healing process. Piping used for clean steam will not contaminate the steam it carries. R.O. water will be used for creating the feed water for humidification steam.

7.4.1.5 The Design-Builder will not use the existing CMH steam plant to provide back-up heating or humidification for the Facility.

7.4.1.6 The heating plant will consist of multiple individual boilers. The heating plant will be sized so that with the largest boiler out of service the plant can provide 100% of the design load under normal operating conditions as defined by CSA Z317.2, including the 10% spare capacity for Future Flexibility and the domestic hot water generation load if it is connected to and dependent on the heating plant at BCBC 1% January design temperatures.

7.4.2 Heating

7.4.2.1 Basic Requirements

7.4.2.1(1) Sources and related accessories of ventilation and/or heating systems that serve the Facility will be connected to the delayed vital power supply and accounted for in the emergency generator calculation without diversity.

7.4.2.1(2) It is essential that perimeter heating with radiant ceiling panels be utilized for the entire Facility, excluding mechanical, electrical, Telecommunications Rooms, D4.4 Sterile Admixture, D4.5 Anteroom-Sterile IV Admixture, D4.6 Storage Room Hazardous Medication, A6.5 Housekeeping Closet, and C4.5 Housekeeping Room. Radiant panels will also be provided around all sides of light wells and skylights.

7.4.2.1(3) Exterior washrooms with showers will utilize suspended plasterboard radiant ceiling panels. If the SRMC ensuite washroom is located outboard (at the exterior wall), provide separate control zone for the radiant panel to permit temperature control of the ensuite washroom.

7.4.2.1(4) Secure Room will be provided with in-slab heating. Refer to Section 5.9.6.4 for embedded piping requirements.

7.4.2.1(5) Boilers will be capable of operating at a minimum AFUE efficiency of 93% at all firing rates. Heating water set point will be designed to accommodate utilizing condensing water from the heat recovery chillers. Steam generators will operate at a minimum efficiency of 80%.

7.4.2.1(6) Boilers will operate on natural gas as the primary fuel and propane blended to match the calorific value of natural gas as the secondary fuel. Adequate storage of secondary fuel will be provided on-site to operate the boilers for a minimum of 72 hours, under maximum demand conditions. Complete boiler plant will be designed such that low load and shoulder season loads can be achieved at high efficiency and that the total capacity will accommodate an additional 10% allowance for Future Flexibility above Facility requirements.

7.4.2.1(7) Provide separate dedicated pumping systems for radiant panel and VAV reheat coils loops with N+1 redundancy in pumping capacity. In the case of a catastrophic failure of the radiant panel system or malfunction of a radiant panel the VAV reheat coil loop supply temperature will be increased to offset loss of radiant panel heating to maintain room temperature and protect radiant panel piping from freezing.

7.4.2.1(8) Provide adequate expansion compensation for heating piping. Location of anchors and guides, design of expansion compensation loops and selection of expansion compensation devices will be based on a thorough review of piping layout and piping stress analysis. Anchor systems will be pour-in-place type (embed or pre-set).

7.4.2.1(9) All high points in piping will be equipped with automatic air removal devices including air collection chambers and air vents. Relief will be piped to nearest drain, glycol systems pipe to receiver or back to feed tank. Discharge termination will be visible.

7.4.2.1(10) Provide the HVAC systems to avoid disruption to the operation of the Facility during maintenance or repairs. Design the systems so that the Clinical Spaces do not need to be entered when performing these functions. All isolation, maintenance, balancing, and other service valves will be Serviceable and located in the corridor ceiling spaces.

7.4.2.1(11) Equipment and piping will be installed with adequate service space, access panels and the ability to remove equipment for servicing or replacement without adapting wall/ceiling finishes or structure.

7.4.2.1(12) Isolation valves, unions and bypass piping will be provided to allow for equipment isolation and removal without unduly affecting the system operation or major drain down.

7.4.2.1(13) Balancing valves, flow-measuring devices, temperature and pressure sensors will be provided throughout the system to facilitate system balancing.

7.4.2.1(14) Design pumps to operate at the system fluid temperature without vapour binding and cavitation. Pumps will be non-overloading in parallel or individual operation and will operate within 25% of the midpoint of published maximum efficiency curve. Where there is more than 40% variation in flow, variable frequency drives will be provided. Provide grounding rings on all motors equipped with VFDs.

7.4.2.1(15) Pump construction and installation will permit complete pump servicing without disrupting piping or motor connections.

7.4.2.1(16) Locate services that require access for regular maintenance above non-critical spaces such as corridors to minimize or eliminate disruptions to the delivery of health care services.

7.4.2.1(17) Insulate all heating water piping, equipment and accessories in accordance with the most stringent of all applicable Standards including applicable BCICA and ASHRAE Standards. Provide a canvas or PVC service jacket on all exposed piping inside. Exterior piping will have aluminum jacketing. Piping 3 m AFF in mechanical rooms does not require service jacketing.

7.4.2.1(18) Heating water piping will be Schedule 40 steel or Type L copper. Utilize screw fittings for steel piping 50 mm and smaller and either

welded or roll groove with Victaulic fittings for steel piping 65 mm and larger. Copper piping for run outs, coil connections and radiant panel circuiting will be soldered with lead free or 95/5 solder.

7.4.2.1(19) Design seismic mitigation and building separation devices for all piping that crosses buildings and/or Utility corridors.

7.4.2.1(20) With the exception of piping noted in Section 5.9.6.4 and in-slab heating, no piping will be buried in concrete. All piping will be able to be accessed without removing or disrupting structural members or components.

7.4.2.1(21) Heating water systems serving the AHU heating and preheating coils, generator outdoor air, vestibule heaters, and equipment or elements on exterior walls, excluding radiant panels, will contain minimum 40% glycol.

7.4.2.1(22) Incorporate flexibility in the system designs to accommodate future alterations. Label all systems clearly, including painting and labelling of all pipes, ceiling identification dots, valve tagging, and emergency valve identification signage. Pipe labels will be installed every 8 m, each side of every wall penetration, and beside service valves. Pipe and equipment labels will be aligned with Appendix 1N [Pipe Identification Matrix].

7.4.2.1(23) Provide Avery dots to identify access points for isolation and balancing valves, and control devices. Provide Avery dot color matrix to FMO for review before installation. Avery dots will be provided on ceiling grids and access panels.

7.4.2.1(24) Notwithstanding Sections 7.4.2.1(10) and 7.4.2.1(16), radiant panel hydronic piping may be located along the exterior walls above clinical spaces and radiant panel control, isolation and balancing valves may be located above the ceiling within the patient rooms being served by the radiant panels.

7.4.3 Air Conditioning

7.4.3.1 Basic Requirements

7.4.3.1(1) Provide all necessary space, ventilation and process cooling for the Facility including an additional 94 tonnes or 10% spare capacity, whichever is greater, for Future Flexibility above Facility requirements including Phase 2 Renovations as noted in clauses 7.4.3.1(1)(a) and 7.4.3.1(1)(b) (296 tons with 19.5 tons of type 1) and the existing CMH Campus loads associated with Level 0 CH-1 installed in the Existing Hospital's 1994 addition (174 tons with 66 tons of type 1). Design will accommodate the removal of heat

generated by equipment; refer to Appendix 1J [Equipment List] for list of equipment. Connect all cooling systems to delayed vital and account for full operational load in emergency generator calculations without diversity. Chilled water and condenser water systems will contain minimum 40% glycol.

7.4.3.1(1)(a) For Phase 2 Renovations, provide valved connection in the existing chiller room to supply 710 gpm of chilled water with 40’ of head pressure at the connection points. The volume is based on 40% glycol with 10 degree F delta T; refer to Section 7.4.3.1(2).

7.4.3.1(1)(b) Provide Telecommunications Rooms in the Phase 2 Renovations with 25 gpm of chilled water served from the Facility's 24/7 heat recovery chiller system; refer to Section 7.4.3.1(2). This volume has been included in the value provided in the clause above.

7.4.3.1(2) The chiller plant will consist of standard chillers either air cooled or with associated cooling towers and heat recovery chillers, either air cooled or connected to cooling towers, sized to serve the 24/7 loads of specialized medical equipment, elevator machine rooms, server rooms, Telecommunications Rooms and Electrical Rooms. With the exception of the Telecommunication Room loads, size the system with an additional 10% spare capacity for Future Flexibility.

7.4.3.1(3) Heat recovery chillers will input heat to the hydronic heating system and domestic water pre-heating, heat that can not be utilized may be dispersed through cooling towers or heat rejection coils in the exhaust streams. Project will provide N+1 redundancy in heat recovery chillers and associated pumps.

7.4.3.1(4) The Design and installation will comply with all applicable Standards including CSA B52 Mechanical Refrigeration Code.

7.4.3.1(5) Equipment will be CSA approved and will meet all applicable Standards including applicable sections of the ASME standard.

7.4.3.1(6) Welding materials, fabrication standards and labour qualifications will comply with all applicable Standards including applicable ANSI and ASTM Standards.

7.4.3.1(7) Cooling tower performance will be certified in accordance with CTI (Cooling Tower Institute) Standard STD-201. No open type cooling towers are allowed; condensing water from the chillers will be in a closed loop. Evaporative cooling of the chilled water closed loop bundle is acceptable. Cooling towers will be visibly screened for full

height of equipment sympathetic to the architectural Design. They will not be visible from windows in Facility or CMH Campus.

7.4.3.1(8) Chillers and cooling towers will be designed and located so as not to have an adverse effect on the CMH Campus mechanical systems or the Future Heliport's landing pattern. Installation will be fully screened. The location of the Future Heliport is envisioned to be to the South of the Facility on the CMH Campus.

7.4.3.1(9) Install chillers and cooling towers for ease of operation, accessibility for maintenance and safety and appearance.

7.4.3.1(10) Installation will comply with ASHRAE Guideline 12-2000 for Minimizing the Risk of Legionellosis Associated with Facility Water Systems.

7.4.3.1(11) Provide sufficient redundancy, distribution piping, and BMS programming so that with the largest chiller and cooling tower out of service, the system can provide 100% cooling required to all spaces classified as Type 1 by CSA Z317.2 Table 1 or as noted as Type 1 in Appendix 1C [Minimum Room Requirements] and 50% of the cooling requirements of all other spaces connected.

7.4.3.1(12) Connect the Facility chilled water plant to the Existing Hospital distribution through a dedicated pumped loop. Connect to the existing chilled water piping in the existing Level 0 Chiller room and Make Good insulation and finishes. Once the Facility plant is operational transfer the Existing Hospital onto the Facility chiller plant. Remove all redundant piping on basement level and roof, pumps, and chiller, cooling tower and miscellaneous auxiliary equipment. Permanently cap condenser water piping a basement level ceiling penetration and at the roof penetration and Make Good building envelope.

7.4.3.2 Performance Criteria

7.4.3.2(1) Cooling distribution systems will be designed such that non-critical loads can be isolated, and cooling directed toward critical areas if the system capacity is limited due to equipment failure. All cooling systems will be on delayed vital. Load shedding for specialized equipment requiring cooling will be confirmed during User Consultation Group meetings.

7.4.3.2(2) Provide water cooled refrigeration systems where required for the medical needs connected to the dedicated condensing water system.

7.4.3.2(3) Provide sufficient space cooling capacity to meet the required indoor design temperatures outlined in applicable CSA Standards while using 37 degrees Celsius dry bulb and the July 2.5% outside design wet bulb temperature outlined in the BCBC or 1% Design Cooling Temperature in accordance with ASHRAE, whichever is greater.

7.4.3.2(4) With the exception of recirculating type fan coil units dedicated to communication and electrical rooms the HVAC system will be designed to be able to utilize 100% outdoor air for free cooling as a means of space cooling.

7.4.3.2(5) Ensure that no air within the air conditioning system, outside of the central air handling equipment, drops below its dew point temperature.

7.4.3.2(6) CFC and HCFC based refrigerants will not be used in the refrigeration equipment.

7.4.3.2(7) Design piping will be installed in an orderly manner (aligned with structural elements and at right angles). Slope piping and provide low point drains to permit complete drainage of the system.

7.4.3.2(8) All high points in the closed loop piping will be equipped with automatic air removal devices such as air collection chambers and air vents. Glycol systems will be piped back to make up tank.

7.4.3.2(9) Provide equipment and piping with adequate service space, access panels and ability to remove equipment from the Facility for servicing or replacement without affecting Facility operations. Provide chilled water, pumps, risers and piping with 10% spare capacity to accommodate Future Flexibility.

7.4.3.2(10) Provide isolation valves, unions and bypass piping to allow for equipment isolation and removal without unduly affecting the system operation or major drain down.

7.4.3.2(11) Select pumps that operate without vapour binding or cavitation, be non-overloading in parallel or individual operation, and operate within 25% of the mid-point of published maximum efficiency curve.

7.4.3.2(12) Pump construction and installation will permit complete pump servicing without breaking piping or motor connections.

7.4.3.2(13) Locate services that require access for regular maintenance above non-critical spaces so that there is minimal to no disruption to the delivery of health care services.

7.4.3.2(14) Insulate all chilled water piping, equipment and accessories in accordance with the most stringent of applicable Standards, including BCICA and ASHRAE Standards. Provide a canvas or PVC service jacket on all exposed piping inside; exterior piping will have aluminum jacketing. Piping 3 m AFF in mechanical rooms does not require service jacketing.

7.4.3.2(15) Provide 100% redundancy for fan coil units or other source equipment serving electrical and Telecommunications Rooms to ensure continuous cooling in the case of a unit failure or required maintenance shut down.

7.4.3.2(16) Chilled water and condenser water piping will be Schedule 40 Steel or Type L copper. Utilize screw fittings, welded fittings or roll grooved mechanical couplings for all steel piping. Copper piping for run outs and coil connections will be soldered with lead free or 95/5 solder.

7.4.3.2(17) Provide seismic mitigation and building separation devices for all piping that cross buildings and/or Utility corridors.

7.4.3.2(18) Not Used

7.4.3.2(19) Incorporate flexibility in the system designs to accommodate future alterations. Label all systems clearly, including painting and labelling of all pipes, ceiling identification dots, valve tagging, and emergency valve identification signage. Pipe labels will be installed every 8 m, each side of every wall penetration, and beside service valves. Pipe and equipment labels will be aligned with Appendix 1N [Pipe Identification Matrix].

7.4.3.2(20) Provide Avery dots to identify access points for isolation and balancing valves, and control devices, and cleanouts. Provide Avery dot color matrix to FMO for review before installation. Avery dots will be provided on ceiling grids and access panels.

7.4.4 Ventilation

7.4.4.1 Basic Requirements

7.4.4.1(1) Provide all necessary ventilation for the Facility and capacity for the Phase 2 Renovations Health Information Management areas on Level 0 in accordance with applicable CSA Guidelines with 100% uninterrupted service redundancy. Ventilation system will be a 100% outdoor air system with high efficiency heat recovery utilizing high efficiency (80% under normal operating conditions at Substantial Completion) heat wheels or similar high efficiency heat recovery system. System Design will include 10% spare capacity

above capacity required on day of occupancy for Future Flexibility in all areas. Capacity will be provided without exceeding the Hz noted in the shop drawing submissions. Refer to Appendix 1C [Minimum Room Requirements] for CSA room type classification and relative pressure requirements. In case of discrepancy between the Appendix 1C [Minimum Room Requirements] and CSA Z317.2 Table 1, Table 1 will govern. For any room types not listed in CSA Z317.2 Table 1, the Design-Builder will design for the HVAC type and relative pressure as set out in the Appendix 1C [Minimum Room Requirements].

7.4.4.1(2) Ductwork velocity not to exceed 1500 feet per minute when designed. For Future Flexibility allowance will be made up to 1800 fpm to accommodate future air handling growth. Air handling units will also have static requirements built in to accommodate increase. Balancing Contractor to confirm this requirement has been met in the final report.

7.4.4.1(3) Design the ventilation systems to mitigate the spread of infections during an outbreak by creating negative pressure Outbreak Control Zones which meet the following requirements:

7.4.4.1(3)(a) Configure the ventilation systems serving control zones to allow the building operator to easily move each zone into a negative pressure condition with respect to adjacent floor areas by proportionately changing the supply and return air ratio for all rooms within the Outbreak Control Zone;

7.4.4.1(3)(b) Program the settings required into the BMS system so that the Outbreak Control Zone settings for each zone can be implemented with a single command;

7.4.4.1(3)(c) Configure the ventilation systems to ensure that no airborne infection can be re-circulated into any ventilation system from the Outbreak Control Zone. HVAC system will be able to maintain CSA Z317.2 Table 1 requirements while in outbreak control mode. The 24-bed Medical-Surgical Inpatient Unit will be able to be separated into two 12-bed units with one operating as an Outbreak Control Zone;

7.4.4.1(3)(d) In the case of a pandemic or large outbreak the Site may need to turn the entire 24-bed Medical-Surgical Inpatient Unit floor plate into an Outbreak Control Zone. In this case the full floor plate will be made negative with the exception on the Waiting Room-Large (B1.1)

which will become positive and act as the anteroom for the floor;

7.4.4.1(3)(e) The Outbreak Control Zones will be commissioned, balanced and demonstrated to the Authority in real time as part of the verification process prior to Substantial Completion; and

7.4.4.1(3)(f) Refer to Section 5.7.1.2 for locations of Outbreak Control Zones.

7.4.4.1(4) Provide an HVAC system that maintains appropriate pressure relationships between various areas of the Facility and provides necessary outdoor air quantity, air filtration, cleansing and exhaust to control the transmission of infection. Refer to Appendix 1C [Minimum Room Requirements], applicable infection control Standards and CSA Z317.2-15 (Special Requirements for Heating, Ventilation and Air Conditioning (HVAC) Systems in Health Care Facilities) for the relative pressurization and other minimum indoor air quality requirements for the Facility. Where relative pressurization is required for fully enclosed spaces (either negative or positive) the minimum pressure differential will be 2.5 Pa.

7.4.4.1(5) Provide a ventilation system to accommodate smudging in all rooms noted in Appendix 1C [Minimum Room Requirements] as having ‘Smudging Capability’ and identified during User Consultation Group meetings. In smudging mode, the room will become negative through the decreasing of the supply air by 10%. Patient Rooms with smudging capability will exhaust all room air through the ensuite washroom exhaust to provide an air movement pattern that routes smoke away from the smoke detector.

7.4.4.1(6) Provide ventilation systems with 100% source equipment and system redundancy to ensure continuous Facility operations at all times. All HVAC systems serving the Facility will be on delayed vital power and accounted for the emergency generator calculations without diversity.

7.4.4.1(7) Provide air handling units with sectional heating and cooling coils and manual isolation valves that will enable isolation removal or repairs to the damaged sections of coils without stoppage of the system. Provide space for coil removal and replacement without removing piping or accessories serving other equipment.

7.4.4.1(8) All air handling units (supply, return and exhaust) will provide redundant capacity so that in the event of a failure or scheduled shutdown of one unit for servicing, the remaining units will continue

to operate and provide 100% capacity to the affected areas including the 10% Future Flexibility capacity allowance.

7.4.4.1(9) Provide air filtration in accordance with all applicable Standards, including CSA Z317.2-15.

7.4.4.1(10) Supply air handling units will be able to accommodate carbon filters to remove smoke from forest fires or fumes from equipment. Air handling units will be designed with racks for these filters and the additional static pressure to fulfill this requirement.

7.4.4.1(11) Provide dedicated supply air with HEPA filters for spaces as required by applicable CSA Standards.

7.4.4.1(12) Provide the ventilation system and all components in accordance with all applicable Standards, including ASHRAE and CSA Standards.

7.4.4.1(13) Provide fans with Variable Frequency Drives (VFDs) for energy savings under part-load conditions. Motor loads of 100 hp. or greater will be provided with reduced voltage motor starter acceptable to BC Hydro. Provide grounding rings on all motors with VFDs.

7.4.4.1(14) Ventilation systems serving Pharmacy spaces will be designed to comply with the most current version of USP 797 Model Standards for Pharmacy Compounding of Non-Hazardous Sterile Preparations and NAPRA guidelines. Where a conflict exists between the Standards, the most stringent will govern. Provide a dedicated air handling unit (100% redundancy) to serve each Pharmacy space and provide all required testing and certification. It is acceptable for this unit to also serve adjacent spaces on Level 0. Provide cleanroom air terminals with air filter access from the room side. Ventilation system will be sized to accommodate the additional make up air required for the future fume hood in Sterile Chemo Prep.

7.4.4.1(15) Provide a dedicated exhaust air system suitable for the Pharmacy requirements and any other special venting requirements in accordance with CSA Standards and the most current version of USP 797 Model Standards for Pharmacy Compounding of Non-Hazardous Sterile Preparations and NAPRA guidelines. These systems will be interlocked with the supply air systems. Dedicated exhaust indicated in Appendix 1C [Minimum Room Requirements] will be a standalone system. If system serves more than one piece of equipment, provide N+1 redundancy in fans.

7.4.4.1(16) Provide supply and return air ventilation ducts capped where the Facility adjoins the existing building to supply the Phase 2 Renovations with a minimum of 1530 cfm at Level 0. The Facility's ventilation system will provide 1.0” static pressure at the supply connection and 0.6” static pressure at the return connection. The Authority, as part of the Phase 2 Renovations, will provide the supply and return variable air volume boxes.

7.4.4.2 Performance Criteria

7.4.4.2(1) Incorporate a strategy to allow the installation and removal of major building equipment such as fans, chillers and boilers without disrupting operations. Show access routes on Submittal drawings as set out in Appendix 2A [Submittals], Schedule 2 [Review Procedure]. Locate fans, commonly accessed filters (e.g. HEPA) and other equipment in the central mechanical rooms. Allow for adequate clearance for service access.

7.4.4.2(2) Airborne Isolation Rooms and their associated Anterooms will be served by separate exhaust VAV boxes controlled by the pressure monitors maintaining the pressure relationships noted in CSA Z317.2 Figure 1 (1 VAV box for Anteroom, 1 VAV box for Airborne Isolation Room). One (1) supply VAV can serve both rooms. System will be able to self-compensate for small changes in room seal without alarming or requiring rebalancing. When room is not being utilized as an Airborne Isolation Room, system will continue to maintain negative pressure. To avoid excessive exhaust volume, VAVs may be limited to 10% more than normal set point. Exhaust system will be sized to handle volume of all Airborne Isolation Rooms with doors open plus the required 20% spare capacity for future use.

7.4.4.2(3) Exhaust grilles in Airborne Isolation Rooms will be located close to the Patient’s head. Grille location will not be blocked when the bed is elevated. Noise criteria for grilles will not exceed NC20.

7.4.4.2(4) Provide exhaust systems with bag in – bag out filters and 100% redundancy for Airborne Isolation Room exhaust systems. Filter system will be designed so that filters can be replaced without impacting the operation of the Airborne Isolation Rooms.

7.4.4.2(5) All equipment, with the exception on local exhaust fans, for supply air, return air and general exhaust systems will be Serviceable and located inside the Facility building envelope in the Mechanical Penthouse and enclosed shafts. Local exhaust fans and/or relief air hoods may be located outside the Facility building envelope.

7.4.4.2(6) Make allowances in supply, return and exhaust duct sizing and equipment selections to provide Future Flexibility for changes in spaces. Allow for a future increase in capacity of 10% on duct mains and 10% on the capability of the air handling units. Branch ducts serving individual VAV boxes do not require spare capacity.

7.4.4.2(7) Provide fresh air intakes, cooling coil drain pans, air handling units, duct mounted humidifiers, ductwork and all other interconnected components to prevent moisture or Contaminants from collecting within the system. Provide sufficient access panels to allow for inspection and cleaning.

7.4.4.2(8) Fresh air intakes will be located to not entrain Contaminants from outdoor sources including the Existing Hospital exhaust points. All intakes will be located in areas that are not accessible by the public and will not be located near exhaust air outlets. Take into account the location of the Future Heliport as noted in Section 7.4.3.1(8) and emergency generator exhaust and ensure that contaminants from the Future Heliport and generator exhaust are not introduced into the Facility or adjacent buildings' fresh air intakes.

7.4.4.2(9) Provide third-party analysis and report to support the placement of intakes and provide report to Authority as part of the 30% and 100% Design submissions. Computer modeling will take into account CMH Campus exhaust locations, pollutant sources, local wind conditions, Future Heliport as noted in Section 7.4.3.1(8) and exhausts from the Facility.

7.4.4.2(10) All supply, return, transfer and exhaust air will be fully ducted to the space being served. Ceiling area will not be used as return air plenums. Door grilles are only permitted for non-medical storage and service rooms. Utilizing door undercuts or door leakage to transfer air for rooms with greater than 45 l/s (95 cfm) air change requirements is not permitted.

7.4.4.2(11) Locate services that require access for regular maintenance above non-critical spaces so that there is minimal disruption to the delivery of health care services. VAV boxes serving individual inpatient rooms located on the Patient care floors in the Facility may be located in the ceiling of the Patient room served, either in the entrance or above the washroom.

7.4.4.2(12) Insulate all ductwork in accordance with the most stringent of applicable Standards, including BCICA, ASHRAE and CSA Standards. Provide canvas service jacket on all exposed insulation inside and up to 3 m AFF in mechanical rooms. Provide aluminum

or stainless steel perforator liner for all internally insulated ductwork.

7.4.4.2(13) Provide seismic mitigation and building separation devices for all ductwork including that which cross buildings and/or utility corridors.

7.4.4.2(14) Provide Tamper Resistant secure Ligature Resistant grilles and diffusers in the Secure rooms. Example of acceptable product: E.H. Price Model MSPG Maximum Security Perforated Face Grille. Locate grilles and diffusers away for the bed to avoid drafts.

7.4.4.2(15) Provide laminar flow diffusers in Resuscitation Room directly over the Patient bed.

7.4.4.2(16) Provide perforated face air diffusers with field adjustable louvred air pattern controllers in all Patient care areas.

7.4.4.2(17) Ductwork serving the Secure Room (supply and exhaust) will be acoustically lined and provided with offsets to create “sound traps” so that noise generated in the Secure room is not transmitted through the ventilation system. Duct work serving Dictation rooms will also be acoustically treated to prevent noise transmission into the Dictation room.

7.4.4.2(18) Maintain generator enclosure interior temperature at or above 10ºC at all times. Combustion air for the emergency generators will be tempered to ensure entering air temperature does not drop below 10 ºC on a 2.5% January design day, recirculation strategy may be utilized. Design to ensure intake and exhaust will not be impeded by annual accumulations of snow and will protect the generator from snow and water ingress. Provide acoustical louvers to limit noise transmission to building exterior to those specified in Section 1.4.3 of Appendix 1D [Acoustics and Noise Control].

7.4.4.2(19) Provide supply and exhaust VAV boxes with associated ductwork stubbed in with temporary grilles and diffuser to serve the Retail Coffee shop as per Section 5.7.3. Thermostat for supply VAV box to be provided and installed in space.

7.4.4.2(20) Duct work will be metal, non-metallic flexible duct will be limited to a length of 300 mm and only used to connect to diffusers and grilles.

7.4.4.2(21) Label all systems clearly, including painting and labelling of all ducts, ceiling identification dots, control device labels tagging, and fire damper identification signage. Labels will be installed every

8 m, each side of every wall penetration and beside control devices.

7.4.4.2(22) Provide Avery dots to identify access points for VAV boxes, dampers, control devices, and access locations. Provide Avery dot color matrix to FMO for review before installation. Avery dots will be provided on ceiling grids and access panels.

7.4.5 Exhaust Systems

7.4.5.1 Design Principles

7.4.5.1(1) All exhausted air will be discharged to ensure that there is no cross contamination with outdoor air intakes for the Facility and the Existing Hospital.

7.4.5.1(2) Provide exhaust fans and locate them as close as possible to the end of the exhaust ductwork systems. Ensure that the fans will be readily Serviceable and are separated from spaces that contain other mechanical equipment. Provide welded pressure ductwork after isolation and other contaminated exhaust fans to the building exterior.

7.4.5.1(3) All exhaust systems will be on delayed vital power and accounted for in the emergency generator sizing without diversity. All diesel generator set exhaust to terminate at elevation and location confirmed by 3rd party report as set out in Section 7.4.4.2(9). Generator exhaust will be fully screened and supported independent of the generator enclosures.

7.4.5.1(4) Provide exhaust above all floor model printers or multipurpose business machines to remove fumes; refer to Appendix 1J [Equipment List].

7.4.5.1(5) Provide exhaust control valve and exhaust duct to serve the future fume hood in Sterile Chemo Prep. Exhaust duct to terminate just below ceiling with a permanent cap. Confirm exhaust valve operation and required system exhaust flow during commissioning.

7.4.5.1(6) Provide dedicated exhaust for the Safety Cabinet Storage Room to maintain the space at a negative pressure relative to adjacent spaces and provide minimum three (3) air changes per hour. Connect vent tappings on safety cabinet to outside air using Schedule 40 black pipe and ensure pipe terminations conform to CSA Z317.2 Table 3.

7.4.5.2 Performance Criteria

7.4.5.2(1) Negative pressure or Airborne Isolation Rooms and their associated washrooms will be provided with dedicated exhaust systems with 100% redundancy. HEPA filters will be provided in the exhaust ductwork in readily accessible locations for servicing.

7.4.5.2(2) Biosafety cabinets and fume hoods will be provided with dedicated exhaust systems that are appropriate for their class and type. Where multiple cabinets are tied into a common system, a 100% redundant central exhaust system will be provided.

7.4.5.2(3) Fume hoods and other smoke/fume generating process booths/spaces will be provided with dedicated exhaust systems that are corrosion/chemical resistant to the exhaust media.

7.4.5.2(4) Dedicated exhaust systems will be provided as required for the medical equipment.

7.4.5.2(5) Facility exhaust outlets will not be located under or near the Future Heliport flight paths in such proximity that they may cause condensation, obscuring of visibility or turbulence, that may affect the safety of flight operations. Refer to Section 7.4.3.1(8) for the location of the Future Heliport.

7.4.6 Metering Requirements for Energy Measurement and Verification

7.4.6.1 Provide all required system meters and trend logging equipment sensors to comply with and fulfill the energy measurement and verification requirements of LEED and to valid Schedule 8 Energy Model targets.

7.4.6.2 Metering intervals will be one hour or less with all points trended and data logged for a minimum of 24 months by the Design-Builder for all points associated with LEED, or Schedule 8 Energy Model verification, or Schedule 8 [Energy and Carbon Guarantee] verification.

7.4.6.2(1) Meters must be permanently installed, record at intervals of one hour or less, and transmit data to a remote location.

7.4.6.2(2) Electricity meters will record both consumption and demand. Whole-building electricity meters will record the power factor, if appropriate.

7.4.6.2(3) The data collection system must use a local area network, building automation system, wireless network, or comparable communication infrastructure.

7.4.6.2(4) The system must be capable of storing all meter data for at least 36 months.

7.4.6.2(5) The data must be remotely accessible.

7.4.6.2(6) All meters in the system must be capable of reporting hourly, daily, monthly, and annual energy use.]

7.4.6.3 Provide meters on dedicated heating and cooling loops serving Phase 2 Renovations and sub meter the natural gas and propane used by the Facility.

7.4.6.4 Provide meters to separate process loads such as domestic hot water generation from building heating and cooling loads.

7.4.6.5 Provide meters to record energy recovered through heat recovery chiller condenser water system, heat wheels, and other recovery methods.

7.4.7 Sound Attenuation and Vibration Isolation

7.4.7.1 Basic Requirements

7.4.7.1(1) Provide all mechanical systems to prevent sound and vibration transmission between spaces and transmission from mechanical equipment to the spaces. Provide sound attenuation to limit sound levels in accordance with Appendix 1D [Acoustic and Noise Control Measures] and CSA Z317.2-15. Design and install mechanical systems located at or near any exterior wall to minimize sound transmission to the neighbouring residential community.

7.4.7.1(2) Provide vibration isolation devices on all equipment with rotating components.

7.4.7.1(3) All hung equipment will utilize spring isolators designed for the weight and vibration characteristics of the equipment.

7.4.7.1(4) Provide flexible connections where needed to isolate mechanical equipment sound and vibration from ducting, piping and electrical wiring systems.

7.4.7.2 Performance Criteria

7.4.7.2(1) Ensure duct silencers meet or exceed the requirements of the ductwork for cleanliness and inspection.

7.4.7.2(2) Utilize fiber free internal insulation with stainless perforated liner.

7.4.7.2(3) Testing, adjusting, balancing and Commissioning. Without limiting the Design-Builder’s Commissioning obligations under Section 5.5, demonstrate to the Authority that the mechanical and electrical systems are substantially operational by testing, adjusting and balancing the systems in accordance with Good Industry Practice.

Demonstration to the Authority will include redundancy in the case of equipment failure and spare capacity.

7.4.7.2(4) Provide documentation verifying the spare capacity and redundancy allowances confirmed in the Commissioning process to the Authority.

7.5 Major Equipment – Performance Specification

7.5.1 Custom Air Handling Units

7.5.1.1 The systems and units noted in the following performance specifications are, in the Authority's opinion, capable of meeting the general design intent, quality and performance characteristics specified. It remains the responsibility of the Design-Builder to ensure the products supplied (whether from the specifications below or others) meet the performance specifications in this Schedule.

7.5.1.2 Air handling units will be designed and manufactured to the specific requirements of this Project. This specification applies to the custom air handling units for all supply, return and heat recovery systems.

7.5.1.3 Units will be produced by a recognized manufacturer who maintains a local service agency and parts stock. Manufacture to provide a 10-year warranty which includes paint, casing, fans, dampers, and bearings.

7.5.1.4 Air handling units and major components will be products of manufacturing firms regularly engaged in production of such equipment whose products have been in satisfactory use in similar service for not less than ten (10) years.

7.5.1.5 Units with factory wiring will be factory approved and labelled.

7.5.1.6 Environmental Requirements

7.5.1.6(1) Units will not be operated for any purpose, temporary or permanent, until ductwork is clean, and space served is clean, filters are in place, bearings lubricated, isolators adjusted, belt tension checked, sheaves aligned, and the fan has been test-run under observation.

7.5.1.6(2) The manufacturer will provide the factory assembled air handling unit. The unit will include all specified components installed at the factory. Field fabrication of units and their components will not be accepted. Air handling units will sit directly on housekeeping pads; all vibration isolation will be internal to the air handling unit.

7.5.1.6(3) The internal liner will be 304 stainless steel and will be suitable for washing with a pressure washer or steam cleaner without risk of wetting the insulation. The liner will be installed over top of the

panel flanges and each liner seam will be sealed with a lap joint. The wall liner will be installed over top of the base water dam such that any water run-off from the liner will drip into the water tight base rather than into the wall panel. The roof liner will be installed over top of the roof support so that water cannot enter the roof insulation. All exposed wall material inside the unit will be stainless steel.

7.5.1.7 Acoustical Performance

7.5.1.7(1) The housing will have been tested for acoustical performance by an accredited independent laboratory.

7.5.1.7(2) The Design-Builder will submit the lab report for approval as part of the shop drawing submission.

7.5.1.7(3) Test methods and facilities used to establish sound transmission loss values will conform explicitly with the ASTM designation E90 (2016) and E413-16.

7.5.1.7(4) Sound transmission loss: the following octave band data will be met or exceeded. Sound data will be submitted as part of the Submittal process to confirm these numbers will be met.

	1	2	3	4	5	6	7	8	
(2”) Walls	18	19	27	33	43	52	52	52	STC=37
(4”) Walls	20	20	28	41	51	56	55	57	STC=40

7.5.1.8 Base Construction

7.5.1.8(1) Units will be constructed from structural steel C-channel around the perimeter of the unit with intermediate channel and angle iron supports. Unit will have a minimum 6 in channel.

7.5.1.8(2) A 12 gauge aluminum checker plate floor will be installed on the base. All seams on aluminum floor will be continuously welded. The floor will be flat, reinforced below with all seams continuously welded. Drive screw attachment and caulking are not acceptable. The base will be provided with lifting lugs, a minimum of four (4) per unit section. The base will be insulated with 50 mm (2”) fiberglass insulation and sheeted with a 22 gauge galvanized steel liner. Floors that “oil can” are not acceptable and will be site-remedied at the contractor’s expense.

7.5.1.8(3) The manufacturer will provide a 40 mm (1.5”) perimeter collar around the entire unit and around each floor opening to ensure the unit is internally watertight. The entire base will act as an auxiliary drain pan and hold up to 40 mm (1.5”) of water.

7.5.1.8(4) The manufacturer will provide auxiliary drains in fan sections downstream of cooling coils and in mixing sections.

7.5.1.8(5) All drain connections on floor mounted air handling units will terminate at the side of the unit, will be piped to drain and provided with a p-trap sized to match the anticipated static pressure in section served.

7.5.1.8(6) Maximum base deflection will be 6 mm (0.25”) on 600 cm (240”) in unsupported span.

7.5.1.9 Airflow Measuring Probes

7.5.1.9(1) Provide on each fan air flow measuring probes capable of continuously monitoring the air handling capacity of the respective fan.

7.5.1.9(2) Each airflow probe will contain multiple, averaged velocity pressure taps located symmetrically around the throat of the fan inlet and a single static pressure tap located on the fan housing. The entire airflow monitoring probe will be located outside the inlet throat as to not obstruct airflow.

7.5.1.9(3) The probes will be capable of producing a steady, non-pulsating signal of the velocity pressure, independent of the upstream static pressure without adversely affecting the performance of the fan. The sensing probes will be accurate ±3% of actual fan airflow.

7.5.1.10 Airflow Display

7.5.1.10(1) Provide for each fan a method of displaying digitally, in real time, the fan’s current air flow. Air flow will be displayed on AHU and BMS.

7.5.1.10(2) The display will be capable of showing the airflow of two (2) independent fans simultaneously.

7.5.1.10(3) For interaction with a controller, the display will output one (1) 0-10VDC signal for each fan being monitored.

7.5.1.10(4) The output signal will be accurate to ±0.5% of Natural Span, including non-linearity, hysteresis and non-repeatability.

7.5.1.11 Filters

7.5.1.11(1) Merv 8 pre-filters or approved alternate will be utilized in exhaust air streams for protection of heat extraction units. Dynamic 1” or approved alternate pre-filters will be used with sterile sweep UV

lights in units with return air. Supply air handling units will accommodate carbon filters to remove smoke from forest fires or fumes from equipment. Racks for these filters will be provided. Air handling units will be designed with this additional static pressure requirement.

7.5.1.11(2) Final filters will be Dynamic Air Cleaner V8 with UV Sterile Sweep, SecureAire ACS Electronic Air Purification System, or approved alternate (Sterile Sweep is only required on units with mixing of return air with OA – not on 100% OA units). Units with Sterile Sweep will have a 1" Dynamic pre-filter upstream of the V8 bank. Units that have 100% outside air do not require sterile sweep lights.

7.5.1.11(3) The air cleaner will have been tested and meet CSA Standard C22.2 No. 187-M19986 and UL Standard 867 for electrostatic air cleaners.

7.5.1.11(4) The air cleaner will remove 97% of Contaminants at 0.3 microns and above in a re-circulating system. The pressure drop of the V8 air cleaner bank will not exceed 100 Pa (0.30" wpd) when the filter media is new. The pressure drop will not exceed 160 Pa (0.65") when panels are fully loaded. Filter media will be changed when the pressure drop reaches 0.65" wpd.

7.5.1.11(5) The air cleaner will have an active electrostatic field that polarizes a dielectric media. The unit will not ionize airborne particles and will not produce ozone. Units that utilize "ion cloud" ozone (carcinogen) producing technology will not be acceptable.

7.5.1.11(6) The high voltage powerheads will require 24 volts AC input. The powerheads will be fully potted and connected in parallel. Powerheads will be factory wired and will include factory supplied and mounted transformer.

7.5.1.11(7) The 24VAC power supply will be a UL or CSA certified transformer, class "2" type, which will permit one side of the secondary output (24V) to be attached to electrical ground.

7.5.1.12 Filter Gauges

7.5.1.12(1) The manufacturer will provide magnehelic gauges or approved alternate.

7.5.1.12(2) Magnehelic gauges will be accurate to +/- 2% of full range.

7.5.1.12(3) One gauge will be provided for each filter bank.

7.5.1.12(4) Gauges will be recessed into the exterior cabinet casing to provide a “flush” finish.

7.5.1.13 Lights

7.5.1.13(1) Provide 1219 mm (48”) vapour proof LED lights in each section. Duplex receptacles will be installed in each fan section on the wall across from the access doors. A switch with an indicator light will be installed on the unit outer wall at each access door location. Electrical power will be 120V/1/60. All lights will be wired back to a single point on the unit. Circuit will also be factory wired to the electronic air cleaner system for single point 120 Volt power.

7.5.1.14 Finish

7.5.1.14(1) The unit will be finish painted with two components, etch bond primer and alkyd enamel. All uncoated steel will be painted with grey enamel. All metal surfaces will be pre-painted with vinyl wash primer to ensure paint bonds to metal. Unit colour will be standard grey or white.

7.5.1.15 Unit Mounted Silencers

7.5.1.15(1) If unit mounted silencers are utilized, the following requirements will be met:

7.5.1.15(1)(a) Each silencer pod will consist of radiused noses and tails and perforated metal panels stiffened for flatness. Silencers will be rated in accordance with ASTM E477.

7.5.1.15(1)(b) Acoustic media will be compressed and supported to minimize dusting and erosion. Mineral wool is not acceptable. Insulation will be encapsulated with Tedlar.

7.5.1.15(1)(c) Minimum 915 mm (36”) silencer with 50% free area will be provided for each of supply fan and return fan.

7.5.1.15(1)(d) Silencer pods will be full height and full width of the plenum.

7.5.1.15(1)(e) Stacked duct type silencers are not acceptable.

7.5.1.15(1)(f) Sound Power Levels: The following octave band data will be met or exceeded. Sound data will be submitted as part of the Submittal process to confirm these numbers will be met.

Octave Band Sound Power Levels

Band	63	125	250	500	1000	2000	4000	8000
AHU typical SA discharge	85	90	88	77	65	59	62	59
AHU typical RA inlet	84	87	77	62	56	55	55	55

7.6 Integrated Automation (Division 25)

7.6.1 Controls

7.6.1.1 Basic Requirements

7.6.1.1(1) The CMH Campus was recently upgraded with a Reliable Controls BMS. Design-Builder to relocate the head end to the Facility's mechanical room and extend the system into the Facility to perform the following functions:

7.6.1.1(1)(a) Automatically operates, monitors and manages the Facility's mechanical systems to provide a high level of occupant comfort and maintain a healthy and productive environment without disruption to the delivery of clinical and Patient treatment services.

7.6.1.1(1)(b) Provides an internet based means of external monitoring for the Authority with real time read only access to all system graphics, alarms and trend logs. Provide all associated hardware and software for a complete and working system.

7.6.1.1(1)(c) Interfaces with the building mechanical, electrical and communication systems and controls;

7.6.1.1(1)(d) Meters, trends and archives all data related to the flow of services into and out of the Facility, including domestic water, medical oxygen, and electricity and takes into account seasonal variations in flow rate;

7.6.1.1(1)(e) Annunciates building and equipment alarms, including fire alarm, freezer alarms, pharmacy fridges, specimen fridge alarms, lab alarms, medical equipment alarms, lighting, UPS, emergency generator enclosure temperatures, fuel inventory systems, emergency power systems, and switchgear alarms, and generates a monthly log of all alarms for review by the Authority;

7.6.1.1(1)(f) Monitors the status, temperature, humidity and alarms for equipment identified in Appendix 1J [Equipment List] and by the Authority, including freezers, coolers, labs and medical equipment; and

7.6.1.1(1)(g) Acquires and collates all data associated with energy measurement and verification as required this Schedule, Schedule 8 [Energy and Carbon Guarantee], and in LEED requirements.

7.6.1.2 Design the controls systems to allow monitoring and operation of the Facility from a BMS location in the Facility. Display building related alarms at the systems monitoring space.

7.6.1.3 The BMS will be a completely integrated (front-end and back-end) Native BacNET DDC system.

7.6.1.4 The BMS will be non-proprietary and designed with open protocol.

7.6.1.5 The BMS will optimize the system performance under all operating conditions to minimize Facility energy usage.

7.6.1.6 The BMS will accommodate future technological changes and the architecture of the BMS will permit expansion of the system for future renovations. The system will have an additional 10% spare capacity floor by floor to accommodate Future Flexibility. If panels are not mounted on every floor, provide spare conduits to floors served to accommodate the 20% additional capacity utilisation without coring.

7.6.1.7 The BMS will be an independent system separate from the fire alarm and other control systems. The BMS will be provided as a complete package from one manufacturer, not a composite system from several manufacturers.

7.6.1.8 Provide airflow sensors, pressure sensors, and infectious control isolation dampers in ductwork to ensure isolation can be achieved for each of the Outbreak Control Zones. Provide local audio and visual alarms at the associated care team stations in addition to the BMS alarms. Provide all programming required for implementation of Outbreak Control Zones with a single command. Outbreak control will be activated by FMO via the BMS with local pressure readouts and audible and visual alarms provided at the Care Team.

7.6.1.9 The Facility BMS will be extended to control and monitor the Phase 2 Renovations. Provide all required infrastructure ending with conduit stubbed into the existing Boiler Room ceiling so the extension of the BMS system can occur without impacting the Facility operation.

7.6.1.10 The Facility BMS will provide a smudging program for each room noted in the Appendix 1C [Minimum Room Requirements] as having ‘Smudging Capability’ and established in User Consultation Group meetings. In Smudging mode, the room selected with become negative by decreasing the supply air volume by 10%. The smudging program will be initiated by FMO through the graphic interface by a single command for each room selected by FMO and will end automatically in one (1) hour after initiation and return the supply volume back to normal.

7.6.2 Performance Criteria

7.6.2.1 Zoning for HVAC systems will be based on occupancy, room location within the Facility, room orientation and room heating and cooling loads. Provide an independent zone for each room in which Patient care is being administered; refer to Appendix 1A [Clinical Specifications and Functional Space Requirements]. For all other spaces, a maximum of three (3) rooms or bays will be in one (1) zone. Configure zoning to minimize re-heating and re-cooling.

7.6.2.2 Zone floor areas to provide control of smoke in a fire situation as required by BCBC. Zone floor areas to accommodate the Outbreak Control Zones and ensure zones served by VAV boxes do not cross zones.

7.6.2.3 Provide local adjustable type thermostats with temperature read out as noted in Appendix 1C [Minimum Room Requirements]. The temperature range will be controlled by the BMS and will match CSA Z317.2 Table 1 range.

7.6.2.4 Provide local pressure controllers for each Airborne Isolation Room and Anteroom. Provide local annunciator panels located in the corridor outside each of these rooms and at the associated care team station. The annunciator panels will be provided with local read out, visual alarm and audible alarm. The audible function will be able to be silenced while maintaining the visual alarm function.

7.6.2.4(1) Standard of Acceptance: Triatek or approved alternate.

7.6.2.5 Provide door sensors on doors between Resuscitation and Airborne Isolation Rooms and corridor and alarm delay to permit doors to remain open for short periods of time without triggering pressure alarms.

7.6.2.6 Door contacts will also activate visual and audible alarm if door is left open for more than five (5) minutes. Provide a remote alarm at the associated care team station. Provide additional control points as required to allow function of room to be in non-isolation mode while still meeting the visual display needs as outlined in CSA. Staff will be able to silence audible alarms while visual alarms remain. Closing of the door contact will re-initiate door and pressure audible alarm functions.

7.6.2.7 Provide pressure monitors with BMS alarms and local readout for all pressure critical spaces including Resuscitation, Pharmacy, and Negative Pressure Airborne Isolation Rooms with their associated Anterooms, and as noted in Appendix 1C [Minimum Room Requirements] and as required by CSA Z317.2.

7.6.2.8 Provide the functionalities indicated for the following rooms:

7.6.2.8(1) Secure room:

7.6.2.8(1)(a) remote control of temperature set points, domestic water solenoid valves (cold, hot and recirculation) and

electrical shutoff from the associated Care Team Station; and

7.6.2.8(1)(b) monitoring of air temperature via the return air temperature;

7.6.2.8(2) Two (2) B2.1 Patient Room-Private, one (1) B2.3 Patient Room-Private-Bariatric, one (1) B2.4 Patient Room-Private-Bariatric-AIR, and one (1) C2.6 Patient Room-Private-Women's Health:

7.6.2.8(2)(a) remote control of temperature set points and domestic water solenoid valves (cold, hot and recirculation) immediately outside of each room; and

7.6.2.8(2)(b) electrical shutoff from the associated Care Team Station; and

7.6.2.8(3) A3.3 Exam/Treatment Room-Safe, A3.5 Exam/Treatment Room-Bariatric-AIR, and A3.12 Consultation/Interview Room:

7.6.2.8(3)(a) remote control of temperature set points immediately outside of each room.

7.6.2.9 BMS will monitor all filter banks located in supply, return, and heat recovery air handling systems located in the Facility. BMS will monitor and display in the graphics the static pressure drop across the filter banks and provide alarms when pressure drop exceeds the predetermined allowable pressure drop for the filter bank.

7.6.2.10 Provide a labelled button in rooms with tubs to activate the radiant panel over the tub. Radiant panel will stay on for 30 minutes then automatically turn off.

7.6.2.11 BMS will initiate load shedding if a chiller or cooling tower fails. BMS will direct available chilled water to CSA Type 1 spaces and reduce chilled water volume to 50% for Type 2 and Type 3 spaces.

7.6.2.12 Failsafe components will be hard-wired to provide reliable operation in all circumstances.

7.6.2.13 The BMS will monitor, control, indicate alarms and provide trending where applicable for all connected sensors and control points. The BMS will generate a monthly report for all alarms for distribution to the Authority for review.

7.6.2.14 The BMS will monitor and log all points required for Measurement and Verification as described in Section 7.4.6 and Schedule 8 [Energy and Carbon Guarantee], provide reports for review of energy usage, and provide the storage of information for a minimum of 2 years or until the Energy and Carbon Guarantee and LEED are verified, whichever is longer.

7.6.2.15 Refer to Section 7.7 Electrical for systems and equipment to be monitored or controlled by the BMS including lighting control, transfer switch monitoring, transformer monitoring, emergency generator system monitoring and UPS monitoring.

7.6.2.16 The BMS will be connected to UPS power.

7.6.2.17 The BMS will monitor critical alarms for essential building and Life Safety Systems. Provide ability to direct alarms to an e-mail address and an alpha numeric pager. Critical alarms include:

7.6.2.17(1) Fire alarm system for alarm, supervisory and trouble;

7.6.2.17(2) All temperature alarms resulting from set point deviations;

7.6.2.17(3) Failure of any major HVAC or plumbing equipment;

7.6.2.17(4) Medical gas system high and low pressure alarms;

7.6.2.17(5) All alarms relating to the fire protection system; and

7.6.2.17(6) UPS and emergency power systems. Upon activation of a critical alarm, the Design-Builder will notify the Authority.

7.6.2.18 Alarm locally and monitor all medication, blood and bone fridges via the BMS.

7.6.2.19 The BMS documentation will include a detailed narrative description of the sequence of operation of each system.

7.6.2.20 User interface will be graphical in nature with animated graphics to indicate equipment operation. Graphics will be grouped in systems and in departments. Generate a pop-up window on the browser display panel with audible alarm, informing operator that an alarm has been received.

7.6.2.21 The Authority’s remote BMS viewing access noted in Section 7.6.1.1 will be demonstrated before Substantial Completion. Demonstration of this interface will coincide with the demonstration of redundancy and spare capacity of Facility systems and will include the witnessing of simulated alarms on random points as selected by the Authority on the Authority’s remote monitor.

7.6.2.22 The BMS system will be utilized to demonstrate the mechanical redundancy, 10% spare capacity, and other Schedule 1 requirements to the Authority in real time. The BMS contractor will provide all required programing to simulate full loads for cooling and heating, catastrophic 100% outdoor air scenario, catastrophic recirculation scenario, outbreak scenario, redundancy scenarios, and 10% spare capacity demonstrations.

7.6.2.23 The BMS will document all air flow rates, pressure relationships and other parameters during the demonstrations and provide reports to verify all demonstration requirements have been meet.

7.6.2.24 The BMS will be utilized to demonstrate the redundancy and spare capacity requirements for the emergency generators to the Authority in real time. The BMS will simulate the full cooling and ventilation load, using the heating system if necessary, to provide the full design load of these systems on the electrical system in real time.

7.6.2.25 BMS will confirm activation of heating, cooling, and domestic circulation pumps operating at commissioned speed settings. When the full load is achieved, the electrical source with be placed on the emergency generator for a real time capacity test. All other mechanical loads which cannot be simulated such as medical gas compressors will be simulated via a load bank during the demonstration. Refer to Section 7.7.5.1(2) for electrical testing requirements.

7.7 Electrical (Division 26)

7.7.1 General

7.7.1.1 This Section is accompanied by and will be read in conjunction with:

7.7.1.1(1) Appendix 1A [Clinical Specifications and Functional Space Requirements];

7.7.1.1(2) Appendix 1C [Minimum Room Requirements]**;**

7.7.1.1(3) Appendix 1D [Acoustic and Noise Control Measures];

7.7.1.1(4) Appendix 1E [Authority Communications Infrastructure Standards & Specifications];

7.7.1.1(5) Appendix 1F [Systems Responsibility Matrix];

7.7.1.1(6) Appendix 1I [Security Operations Matrix];

7.7.1.1(7) Appendix 1J [Equipment List]; and

7.7.1.1(8) Appendix 1K [Commissioning Roles and Responsibilities Matrix]

7.7.1.1(9) Appendix 1L [Acceptable Manufacturers and Vendors List]

7.7.1.1(10) Appendix 1M [Electronic Security Systems Specifications]

7.7.1.2 Basic Requirements

7.7.1.2(1) All electrical systems, materials and equipment will be new and of a type and quality intended for use in an acute care hospital facility.

Configure electrical systems to meet requirements of the identified program and Patient care needs in an efficient manner with optimal utilization of space, Staff and equipment resources.

7.7.1.2(2) Configure electrical systems to meet requirements of the identified program Component and Patient care needs in an efficient manner with optimal utilization of space, Staff and equipment resources.

7.7.1.2(3) Provide electrical systems that provide redundancy, protection, continuity of service and a comfortable and safe working environment for Staff.

7.7.1.2(4) Integrate systems where integration provides efficiency, operational and cost advantage to the Authority.

7.7.1.2(5) Incorporate into the Design and Construction, the principle that change will be a constant and inevitable fact within the Facility. Completed electrical systems will permit change while minimizing the cost of change and the amount of interruption to the continuous Facility operations. The Design-Builder will identify how this principle will be achieved.

7.7.1.2(6) Include systems and equipment coordinated to provide synergy and reliable electrical performance for the various Facility functions.

7.7.1.2(7) Provide provisions to minimize the noise and vibrations of electrical equipment/components (transformers, luminaries, generators, cables, etc.) to below an acceptable level; refer to Appendix 1D [Acoustic and Noise Control Measures].

7.7.1.2(8) Locate Electrical Rooms and power distribution equipment in order to minimize the distances for feeder runs and to provide easy access for the equipment to be moved in and out of the Electrical Rooms to facilitate replacement of the distribution equipment with new in the future. Locate power distribution equipment to avoid interference with other services and equipment.

7.7.1.2(9) Provide clear aisle ways and routes to permit removal of major electrical equipment from the Facility as well as to bring in new equipment into the Electrical Rooms without impacting Facility operations and CMH Campus access. Indicate on the floor plans the removal aisle ways and routes for major electrical equipment such as diesel generators, transformers sized 225kVA and greater and switchgear sections.

7.7.1.2(10) Install equipment, conduits, piping, ductwork etc. in Electrical Rooms such that a minimum clear height of 2100 mm (7’-0”) AFF is available.

7.7.1.2(11) All outlets will be installed at a height which allows for good ergonomics and not less than 460 mm AFF. Outlets will be typically installed at 1100 mm AFF except in corridors, storage rooms, and equipment rooms, unless noted otherwise or as developed and agreed upon with the Authority.

7.7.1.2(12) Outlets for equipment will be coordinated with equipment and Furniture. Outlets, connections and data for equipment as listed in Appendix 1J [Equipment List] that have not been included in Appendix 1C [Minimum Room Requirements] will also be provided by the Design-Builder. The Design-Builder will coordinate with the Authority and provide all power and data as required by the Authority for a complete compliant installation.

7.7.1.2(13) Electrical Rooms and TRs will not have, plumbing pipes, water-cooled fan-coil units or any other services passing through the room that are directly needed in the room located in the room. Electrical rooms may have non-pressurized piping with drip trays as set out in Sections 7.3.1.16 and 7.7.4.2(17).

7.7.1.2(14) Incorporate energy management systems to minimize demand pressures on the Building Systems and minimize the anticipated increase to energy costs.

7.7.1.2(15) Refer to Schedule 8 [Energy Guarantee] regarding energy requirements. Integrate requirements of those programs into the electrical systems.

7.7.1.2(16) Electrical distribution equipment and associated technology provided under Division 26 will be the latest proven technology as approved by the Authority, at the time of equipment procurement.

7.7.1.2(17) The high voltage electrical distribution equipment will be a BC Hydro approved, metal enclosed switchgear lineup with either an arc flash sentry system in conjunction with zone interlocking or an arc flash optical detection system. The low voltage 600V main electrical distribution switchboards will be metal enclosed switchgear where draw out breakers are used. Solidly grounded 600V distribution shall be used. An Arms system, or equivalent, shall be used for arc flash mitigation during maintenance.

7.7.1.2(18) Not Used.

7.7.1.2(19) Electromagnetic interference (EMI) will be considered in installation of electrical equipment. EMI reduction will be achieved by electromagnetic shielding for transformers and switchgear, use of ferrous raceways such as EMT as required by electrical code,

close spacing of conductors in feeders, running all the spaces of a feeder together to cancel net magnetic fields, locating all distribution transformers in Electrical Rooms and running feeders in service spaces and ceiling spaces away from occupied areas. Provide testing results to the Authority showing acceptable EMI levels.

7.7.1.2(20) Bus Duct is acceptable when used only within Electrical Rooms or in vertical risers from Electrical Room to Electrical Room and will be fully enclosed. If there is an electromagnetic field that results in interference to equipment, the Design-Builder will mitigate the electromagnetic field with appropriate techniques.

7.7.1.3 Performance Criteria

7.7.1.3(1) Install electrical systems and equipment in a fixed and permanent manner, seismically restrained to meet post-disaster building Standards and this Schedule; refer to Section 5.4. Plan installation of equipment to allocate space for Future Flexibility and to facilitate easy access to other systems and equipment which may require inspection or maintenance.

7.7.1.3(2) Incorporate redundancy into the electrical system Design such that failure of any electrical equipment or feeder will not impair continuous Facility operation or leave any area, room nor program Component of the Facility without at least one (1) active light and one (1) active receptacle unless stated otherwise.

7.7.1.3(3) Design and construct all systems with protection, grounding, isolation and controls to address the functional requirements where they are located. Power throughout the building will comprise a combination of 600V for mechanical loads and 120/208V for all power, lighting and equipment loads except where different voltage is required for Authority’s equipment; refer to Appendix 1J [Equipment List]. Localized transformers may be allowed for Authority’s equipment with specialized power requirements.

7.7.1.3(4) In addition to allowing for known future requirements, operating factors, safety factors, and mechanical loads and requirements, design and construct the Facility electrical systems with a minimum 20% spare capacity (without exceeding the CEC 80% loading limitation) and 25% physical space. Where 100% rated equipment is used, the CEC 80% loading limitation can be exceeded. This spare capacity will be provided throughout the distribution network elements on HV and all electrical equipment that feeds multiple loads.

7.7.1.3(5) The Design-Builder will demonstrate through design submissions using single line diagram, elevation details, and equipment layouts, etc., that a minimum of 25% physical space and 20% spare electrical capacity are provided within the proposed electrical distribution equipment for future new breakers.

7.7.1.3(6) Redundancy will be incorporated into all systems and equipment such that the failure of a single piece of major equipment or major conductor will not impair the continuous operation of the Facility.

7.7.1.3(7) The installation will economically occupy available space in a reasonable manner as determined by the Authority or agreed upon prior to contract signing, leaving space for future additions, and will be planned to facilitate easy access to other systems and equipment, including mechanical equipment, Building Systems access ways and architectural building components which may require periodic inspection or maintenance. This is considered a critical component for future considerations and will be redone at the Design-Builder's expense if not considered reasonable by the Authority.

7.7.1.3(8) Any system that is deemed to be not compliant by the Authority must be upgraded to be compliant to the extent that it may need to be totally replaced. All costs associated with this upgrade will be the Design-Builder's responsibility.

7.7.1.3(9) Demolition within the Existing Hospital will meet the following requirements:

7.7.1.3(9)(a) Remove all electrical materials in areas of renovation or related to areas of renovations inclusive of conduit, equipment, pull boxes, junction boxes, wiring back to Electrical Rooms and Telecommunications Rooms and Make Good. Where 'home run' conduits and associated pull boxes/junction boxes are discovered, they will remain in place and be provided with labelling at both ends. Provide new pullstring;

7.7.1.3(9)(b) Review all salvaged devices and equipment with the Authority for items which the Authority wishes to retain. All items which the Authority does not want will be disposed of by the Design-Builder; and

7.7.1.3(9)(c) Prior to demolition, confirm Record Drawings for area, confirm systems operation and ensure that areas beyond demolition/renovation area are not affected. The Design-Builder will document with photographs any

items that it deems damaged, inappropriate or otherwise detrimental prior to renovation and demolition.

7.7.1.3(10) The Existing Hospital areas and systems which are affected by this project will be upgraded to meet the requirements of Schedule 1 to suit the intended function of the revised area or system as indicated and otherwise required.

7.7.1.3(11) The Design-Builder is responsible to provide future capacity provisions for all new power and systems required for electrical and systems equipment installed in the Existing Hospital building in accordance with Schedule 1, in addition to spare capacity for Phase 2 Renovations as directed by the Authority.

7.7.1.3(12) The Design-Builder is responsible to coordinate the Facility with the Phase 2 Renovations to ensure coordination and facilitation of the future Phase 2 Renovations interconnections with the Facility. Final approval of all upgrades and changes to the existing CMH Campus infrastructure must have a Work Plan reviewed and agreed upon by the Authority well in advance and prior to proceeding.

7.7.1.3(13) Access Doors, Junctions and Pull-Boxes

7.7.1.3(13)(a) Supply flush-mounted access doors in non-accessible type ceilings and walls where necessary, for access to service and/or to inspect electrical equipment, accessories and Life Safety Systems where specifically indicated.

7.7.1.3(13)(b) Unless otherwise noted, access doors will be minimum 450 mm x 450 mm (18” x 18”) for body entry; 300 mm x 300 mm (12” x 12”) for hand entry; 200 mm x 200 mm (8” x 8”) for cleanout access.

7.7.1.3(13)(c) All access doors in fire rated assemblies to also be fire rated with lockable self-closing and self-latching doors.

7.7.1.3(13)(d) Where they are necessary, provide Vandal Resistant and Tamper Resistant access panels of the Ligature Resistant type for the Secure Room in the Emergency Department and as otherwise noted in Appendix 1C [Minimum Room Requirements].

7.7.1.3(13)(e) Locate access doors so that all concealed items are readily accessible for adjustment, operation, maintenance and inspection. Locate in service and storage areas wherever possible. Do not locate in

paneled, feature or special finish walls or ceilings, without approval by the Authority.

7.7.1.3(13)(f) All access doors in areas of Patient care will meet or exceed infection control Standards.

7.7.1.3(14) Codes, Standards and Guidelines

7.7.1.3(14)(a) Refer to Section 2.2 of this Schedule 1.

7.7.1.3(15) Not Used

7.7.1.3(15)(a) Not Used

7.7.2 Electrical Utilities

7.7.2.1 Basic Requirements

7.7.2.1(1) The Facility will be provided with two new high-voltage circuits to a BC Hydro owned Vista switch on site. The high voltage feeder will originate from the Vista switch and be terminated at an outdoor, BC Hydro approved and service entrance rated vacuum circuit breaker kiosk. Outdoor kiosk will house only the 25kV service entrance vacuum circuit breaker cell and will be located a minimum of 3m away from the BC Hydro Vista switch on site. The outdoor kiosk will include strip heater with integral thermostat on vital power, two (2) LED strip lights c/w door switches and two (2) 5-20R GFCI protected convenience receptacles powered from the Vital and UPS power. Temperature in the kiosk to be monitored by the BMS system. A concrete-encased underground high voltage feeder will run from the kiosk to the high voltage lineup in the Main Electrical Room and terminate in a pull pit.

7.7.2.1(2) The Existing Hospital will be re-fed from the new 600V voltage switchgear via a single feed to each of the Vital, Delayed Vital and Conditional systems. The feeders will terminate on the fully redundant MDPs. The feed for each system will be sized to feed its load plus the next largest system. A minimum of 3m separation between the Delayed Vital and Vital/Conditional feeds will be maintained for the underground portion of the run, outside the electrical room.

7.7.2.1(3) The electrical services will each be sized for the electrical demand as calculated by the Canadian Electrical Code method for Hospitals for the Facility, the existing CMH electrical peak load (544kW at .95pf), additional calculated Phase 2 electrical load and 20% spare capacity.

7.7.2.1(4) The Design-Builder will replace the existing BC Hydro service and conduits with new feeds from the Facility. BC Hydro will remove the redundant feeders and the existing conduit. The Design-Builder will remove remaining concrete pads, repair building conduit entrances and complete civil and landscaping work to complete the scope of work.

7.7.2.1(5) The Design-Builder will coordinate with BC Hydro and the Authority to ensure that the new normal high voltage outdoor BC Hydro approved switchgear kiosk, vista switch and reworking of the BC Hydro Utility high voltage circuits (feeders) does not interfere with power supply to the Existing Hospital. Provide temporary power to the Existing Hospital during all shut downs. All requirements noted in this Section are subject to final confirmation by BC Hydro. All temporary power costs will be borne by the DB team.

7.7.2.1(6) The existing BC Hydro service to the Deni House is separate from the CMH service. The Deni House will be electrically fed from CMH. The existing BC Hydro service to the Deni House will be removed. The DB will provide a new normal power and vital power feeder from the new electrical distribution equipment in the CMH main electrical room to the Deni house.

7.7.2.2 Performance Criteria

7.7.2.2(1) Identify the location of existing underground and overhead service lines in the area to avoid interference with proposed routing of new services. Use latest techniques (ground penetration radar test) to verify and confirm all existing underground services in the direction of service lines to the Facility. Temporarily adjust existing CMH Campus lighting, branch circuit power and communications to accommodate the Facility. Reconnect all power and controls to electrical and communication circuits as may be necessary affected by the Site preparation work.

7.7.2.2(2) Prepare and submit to the Authority detailed Protective Device Coordination, Short Circuit and Arc Flash Hazard Studies signed and sealed by a Professional Engineer and provide equipment labelling indicating available energy levels and level of PPE required when servicing the equipment. The studies will include the existing electrical distribution located in the Existing Hospital and make recommendations to reduce incident energy for existing high incident equipment. These recommendations will be implemented in the Design.

7.7.2.2(3) Protective Device Coordination, Short Circuit and Arc Flash Hazard Studies will:

7.7.2.2(3)(a) Indicate all new and relevant existing service equipment from the point of Utility supplies and standby generators; and

7.7.2.2(3)(b) Include all transformers, distribution equipment, generators, UPS and panel boards. The coordination study will also include the existing central distribution equipment and panel boards.

7.7.2.2(4) The Design-Builder will replace all new and existing overcurrent devices as required to provide full coordination and reduce incident energy available to a maximum of 8 cal/cm2 (PPE Category 2) for all panelboards, not more than 25 cal/m2(PPE Category 3) for all other electrical equipment in accordance with the study. New and existing overcurrent devices will be adjusted in accordance with recommendations from the coordination studies. As a result of the deletion of draw-out breakers on the conditional panels, there may be minor collective coordination issues that are within the constraints of normal practices.

7.7.2.2(5) The Protective Device Coordination, Short Circuit and Arc Flash Hazard Studies at the end of the Project including both the Facility and the Existing Hospital to include all revisions including recommendations.

7.7.3 High Voltage Distribution (Over 600 Volts)

7.7.3.1 Basic Requirements

7.7.3.1(1) Utilize transmission and distribution equipment that are robust, reliable, easily operated, maintained and designed for acute care hospital facility. Design the main services with minimum 20% additional capacity to accommodate load growth and equipment additions. This additional capacity is in addition to power requirements for the Phase 2 Renovations.

7.7.3.1(2) Provide 25kV high voltage electrical feeders in concrete encased ductbanks to BC Hydro Utility Standards. Submit written approval from BC Hydro if concrete encased ductbanks is deemed not required.

7.7.3.1(3) Provide new high voltage vacuum draw-out circuit breaker cells in the new outdoor high voltage BC Hydro approved switchgear kiosk to accommodate the new incoming BC hydro circuit to the Facility and in the indoor high voltage switchgear lineup to feed the two (2) normal power transformers. Provide physical spare spaces

equivalent to two (2) high-voltage breaker cells in the indoor switchgear for future.

7.7.3.1(4) The Design-Builder will remove the Existing Hospital high voltage distribution to accommodate the new 600V voltage arrangement of new 600V feeders from the new 600V voltage MDPs in the Facility including Vital, Delayed Vital and Conditional. The Design-Builder will install new 600V voltage equipment, including metering, cabling, breakers, etc., matching the new equipment in the Facility. The Design-Builder will coordinate all work with BC Hydro and the Authority.

7.7.3.1(5) The Design-Builder will provide temporary emergency and normal power for the existing distribution within the Existing Hospital to facilitate the removal of the exiting normal power high voltage switchgear if required to maintain power to the Existing Hospital loads.

7.7.3.1(6) The Design-Builder to coordinate with the Utility provider to replace the existing BC Hydro high voltage distribution lines feeding the CMH Campus in order to handle the additional electrical capacity required for the Facility. The Authority will pay for the Design & Construction costs for BC Hydro works; it will remain the responsibility of the Design-Builder for coordinating and scheduling the BC Hydro works. The removal of the existing conduits and feeders will remain the responsibility of the Design-Builder.

7.7.3.1(7) Provide high voltage switchgear, cast-coil, VPE or VPI dry-type, or FR3 oil filled high voltage transformers and tie breakers for the two (2) normal power incoming 25kV feeders in the Facility.

7.7.3.1(8) The 600V low-voltage normal power distribution will be derived from two (2) 25kV – 600V step-down VPE or VPI dry-type transformers or FR3 oil-filled power transformers of equal kVA capacity. Transformers will be sized to carry the maximum demand load, including all Phase 2 Renovations and all additional Authority requirements plus 20% spare capacity will be added to the total calculated load. Additionally, size the power transformers such that in the natural cooled configuration, each transformer will be capable of providing 100% of the ultimate calculated CMH total calculated peak normal power demand.

7.7.3.1(9) Provide space within all main switchboards to permit capability for expansion in the future. Also provide prepared bus and bus links where feasible.

7.7.3.2 Performance Criteria

7.7.3.2(1) Each incoming high voltage feeder to the Facility will be sized for the entire CMH Campus load plus 20% spare capacity for future use as a minimum.

7.7.3.2(2) The incoming high voltage feeder will terminate in a high voltage switchgear line up. The vacuum draw-out circuit breaker will in turn feed a power transformer feeding the 600V rated double-ended switchboard comprised of:

7.7.3.2(2)(a) Two main breakers, a tie breaker, and feeder breakers;

7.7.3.2(2)(b) Remote operable, draw-out air circuit breakers at mains, tie and outgoing feeder breaker positions;

7.7.3.2(2)(c) Revenue-grade digital metering at each of the mains;

7.7.3.2(2)(d) 3-phase, solid-state multi-function type protective relay at each vacuum circuit breaker with functions as required. Protective relay to have integral digital metering capable of displaying V, A, KVA, KW and harmonic parameters; and

7.7.3.2(2)(e) Communication port integrated with the Facility's BMS to indicate status of each breaker.

7.7.3.2(3) Power Transformers:

7.7.3.2(3)(a) will be dry-type VPI or VPE or FR3 oil-filled power transformer of equal kVA capacity, with copper or aluminum windings. The kVA capacity indicated will be based on Class 220 degree C insulation, 115 degree C rise;

7.7.3.2(3)(b) will have delta connected primary windings and delta or star-connected secondary windings. Voltage 25kV on the primary and 600V on the secondary;

7.7.3.2(3)(c) if dry-type, will have ANN/ANF (air natural cooled / air force cooled) ratings and have cooling fans that will provide an additional 33% capacity over the base (air natural cooled) rating;

7.7.3.2(3)(d) if FR3 oil filled, will have cooling fans that will provide an additional 33% capacity over the base rating;

7.7.3.2(3)(e) will have four 2.5% full capacity primary taps consisting of two above and two below nominal voltage;

7.7.3.2(3)(f) will have a digital thermometer indicating average coil temperature with two stage alarm contacts connected to the BMS. The first stage will alarm when the fans start up and the second stage will alarm at a higher temperature. Alarms will be indicated on the BMS;

7.7.3.2(3)(g) will have integral intermediate class lightning arrestors connected to the primary terminals; and

7.7.3.2(3)(h) will be suitable for interior installation with CSA Type 2 ventilated housing with overhanging drip proof louvers. Housing will protect against accidental contact with live parts. Drip proof enclosure to provide a degree of protection against dripping and light splashing of noncorrosive liquids and falling dirt.

7.7.3.2(4) The Design-Builder will provide remote operation of all high voltage breakers from outside the room.

7.7.3.2(5) The Design-Builder will meet all the obligations as indicated in the Appendix 1F [Systems Responsibility Matrix].

7.7.4 Low Voltage Distribution (600 Volts and below)

7.7.4.1 Basic Requirements

7.7.4.1(1) Provide electrical power transmission and distribution from the main, secondary and other sources of supply (power transformers, diesel generators and UPS) to meet all requirements of the Facility and the Appendix 1A [Clinical Specifications and Functional Space Requirements].

7.7.4.1(2) Design the distribution system to provide security of supply and the flexibility to allow concurrent safe maintenance without impacting Facility or the Existing Hospital operations. Provide tie breakers with key interlocking devices on all main and secondary distribution to allow all CDP distribution to be fed from two different sources of power. Provide double by-pass automatic switches.

7.7.4.1(3) All 600V distribution equipment fed from power transformers, automatic transfer switches or generators will be considered a ‘MDP’ (Main Distribution Panel) and consist of draw out and fixed-mounted circuit breakers. Fixed-mounted molded case circuit breakers equipped with LSI trip unit for 201 amp and higher breakers, are acceptable only on the branch feeders of the Conditional MDPs; the main and tie breakers will remain draw out type.

7.7.4.1(4) All distribution equipment feeding panel boards (excepting MDPs) will be considered a 'CDP' (Central Distribution Panel); distribution feeding branch circuit wiring will be considered a panel board.

7.7.4.1(5) Each CDP will have a main breaker connected to the incoming feeder from an MDP and one tie breaker connection to another CDP of a different power source on the same floor. Where the CDP is located in the same room as the MDP, a main breaker is not required.

7.7.4.1(6) Each CDP connected to Vital, Delayed Vital and UPS will have molded case circuit breakers.

7.7.4.1(7) Not Used

7.7.4.1(8) All floor mounted distribution equipment will have a minimum 85 mm thick concrete housekeeping pad located under it.

7.7.4.1(9) MDP breakers to have digital monitoring (includes synchronization board, ATS breakers and MDP breakers) with human machine interface (HMI) touchscreen display located in the Non-Essential MDP. Include all breakers on to one (1) digital metering platform (including replaced breakers in the Existing Hospital main Electrical Room).

7.7.4.1(10) Design and construct the Facility with a minimum of 20% calculated spare capacity and include 25% physical space for future devices when sizing all MDPs, CDPs and panel boards. When sizing overcurrent devices, base the size of the overcurrent on the calculated load plus spare capacity to no more than 80% of the overcurrent size unless 100% rated equipment and breakers are utilized and identified.

7.7.4.1(11) Spare capacity for the service, each MDP, CDP and panelboard will be calculated by multiplying the calculated demand load by 1.2. The calculated demand load for the service, each MDP, CDP and panelboard will be determined by rule 8-206 of the Canadian Electrical Code. Demand factors as defined by the Canadian Electrical Code rule 8-106, where applicable, will be permitted when reviewed and approved by the Authority. The Design-Builder will submit demand load calculations for the service and each MDP, CDP and panelboard with each submission, including the technical submission and all Design and Construction Submissions.

7.7.4.1(12) The Design-Builder will provide, at a minimum, 600V two (2) or four (4) hour fire rated feeders (fire rating based on the BCBC

requirements) from the essential distribution system MDPs in the Facility to each floor electrical room, from the UPS system to each panelboard, and from the Facility's essential distribution MDPs that connect to the existing Vital, Delayed Vital and Conditional MDP distribution in the Existing Hospital. The Design-Builder will ensure that the existing sequence of operations of the Existing Hospital essential distribution is maintained. Cables will not be routed through a vertical riser shaft. Cables run underground or below the stab are not required to be fire rated. Conditional distribution feeders are not required to be fire rated.

7.7.4.1(13) The Design-Builder will replace the existing MDPs DV1 (Delayed Vital), V1 (Vital), and all non-essential distribution boards located in the CMH main Electrical Room with new 600V MDP's to match new manufacturer and model for new MDPs. Circuit breakers in the replacement boards will be draw out and fixed-mounted air circuit breakers in accordance with the requirements of this Schedule 1. Provide spare capacity as required in Section 7.7.4.1(10) in addition to the Phase 2 Renovation additional load requirements.

7.7.4.1(14) The Design-Builder will replace all existing CDPs, except in the Penthouse, in the Existing Hospital with new or may elect to retrofit existing CDPs in lieu of full replacement. New or retrofitted CDPs will meet the requirements of Schedule 1. The Design-Builder will provide temporary generator power and work arounds as required to maintain power to the existing loads. All circuit breakers will have the required interrupting rating and breaker settings in accordance with the arc flash and protective device coordination study; refer to Section 7.7.2.2(4). Provide spare capacity as required in Section 7.7.4.1(10) in addition to Phase 2 Renovations additional load requirements.

7.7.4.1(14)(a) Provide the following breakers and spare spaces on the new MDPs in the Existing Facility in preparation for the Phase 2 Renovations:

(a).1 Vital MDP: 2x3P fully rated tie-breakers, 2x400A 3P, 2x200A 3P, 2x100A 3P, 4x200A 3P breaker spaces, 4x100A breaker spaces;

(a).2 Delayed Vital MDP: 2x 3P fully rated tie-breakers, 2x400A 3P, 2x200A 3P, 4x200A 3P breaker spaces; and

(a).3 Conditional MDP: 2x3P fully rated tie-breakers, 2x400A 3P, 2x200A 3P, 2x100A 3P, 4x200A 3P breaker spaces, 4x100A breaker spaces.

7.7.4.1(14)(b) Existing CDP's which are retrofitted will be provided with new internal components, bus bars, breakers, front

covers and all required mounting hardware. Existing CDP enclosures will be maintained. Existing CDP's which are retrofitted will meet the following requirements:

(b).1 Provide spare physical and electrical capacity as set out in this Schedule;

(b).2 Equipment components will be of same manufacturer as new equipment;

(b).3 Be re-labelled with a lamacoid nameplate matching the new color scheme;

(b).4 Metering requirements as set out in this Schedule;

(b).5 Tie-breaker arrangement as set out in this Schedule; and

(b).6 Downtime will be kept to a minimum.

7.7.4.1(15) When replacing MDPs and CDPs or other distribution equipment in the Existing Hospital, the Design-Builder will re-use existing feeders. Independent megger testing will be performed to validate condition of existing feeders prior to reuse. If a feeder requires replacement, a Change Order will be issued. Splices will be permitted in situations where existing feeders are not of sufficient length to suit the new equipment, or where sections of the existing feeders are damaged and need to be repaired locally within the electrical room. When splices are utilized, the feeders will be terminated with compression fittings; they be limited to inside junction boxes within service rooms and placed in easy to inspect locations within the service room. New feeders will be provided only if they are required to be replaced by code, or if found to be damaged outside an electrical room. The Design-Builder will document clearly on the record drawings the splice/termination locations. The Design-Builder will provide a temporary source of power to connected loads affected by the MDP/CDP replacement to minimize down time. The Design-Builder will coordinate with and schedule work in discussion with CMH clinical Staff and maintenance personnel.

7.7.4.1(16) New 600V feeders from the Facility to the Existing Hospital will be installed in underground concrete-encased duct banks for the portion of run between buildings. The Design-Builder will provide diverse, redundant feeder paths for these services. A minimum of 3 m separation is required. The Design-Builder will consider all existing limitations, comply with code requirements and proceed as directed by the Authority.

7.7.4.1(17) Existing generators, sync board, transfer switches and emergency feeders and associated electrical equipment, devices and controls in the Existing Hospital will be removed. Connect the new 600V MDPs for Vital, Delayed Vital and Conditional in the Facility into the replaced 600V appropriate MDPs in existing main Electrical Room.

7.7.4.1(18) Provide a new 120/208V feeder from the Existing Hospital Conditional MDP to the existing CDP in the Deni House. Remove the existing BC Hydro service to the Deni House. Replace the existing CDP in the Deni House.

7.7.4.1(19) Relocate the existing biowaste freezer currently located West of the Existing Hospital where the Facility will be built to the receiving area. Coordinate exact location with the Authority. Provide alarm to annunciate on the BMS upon loss of power to the biowaste freezer.

7.7.4.1(20) Re-feed the Nurses Residence from the new or upgraded main distribution with feeder(s)/breaker(s) of the same ampacity of existing.

7.7.4.1(21) Generator power and generator enclosure panel feeders, and controls cables will be installed in a concrete-encased underground duct bank between each generator and the new Main Electrical Room in the Facility. Generator duct bank to terminate in a pull pit in the Main Electrical Room.

7.7.4.2 Performance Criteria

7.7.4.2(1) Two main normal power 600V MDPs will each be fed from separate power transformers. This equipment will be configured as double-ended with two main breakers, a tie-breaker and feeder breakers as required. Key interlocks or electrical interlocks will be in place between the two main breakers and tie breaker. Two spare circuit breakers and two equipped spaces will be provided on each half (side) of the distribution equipment.

7.7.4.2(2) The main normal power 600V MDPs Distribution equipment will directly feed:

7.7.4.2(2)(a) Automatic Transfer Switches (ATS) for: the vital branch, delayed-vital branch and conditional branch; and

7.7.4.2(2)(b) Fire Pump Transfer Switch.

7.7.4.2(3) The Automatic Transfer Switches (ATS) serving vital, delayed-vital and conditional branches will be closed-transition type with integral dual-source bypass and isolation features.

7.7.4.2(4) ATS units to utilize draw out air circuit breakers; contactor type is not permitted. Breakers will be of identical make and model of MDPs required in this Schedule. These transfer switches will be similar and have identical voltage and short-circuit withstand ratings; the ampacity (current) rating of the ATS units are required to be identical.

7.7.4.2(5) The preferred source input of each of these transfer switches will be directly connected to a separate air-circuit breaker on the main normal power MDP. The alternate source input of each of these transfer switches will be directly connected to a separate draw out air circuit breaker on the generator synchronizing switchboard (Generator synchronizing switchboard will be considered an MDP).

7.7.4.2(6) Configure the distribution downstream of the three ATS such that each one feeds a double-ended 600V MDP, one (1) for vital power, one (1) for delayed vital power, and one (1) for conditional power. Each of these MDPs will be arranged with one (1) main breaker, two (2) tie-breakers and load breakers. Each MDP will be able to feed any and all other MDPs and will be of identical size and rating.

7.7.4.2(7) Main Distribution Panels (MDPs):

7.7.4.2(7)(a) Will be designed, factory-assembled and tested in accordance with CSA C22.2 No.31-10 “Switchgear Assemblies”;

7.7.4.2(7)(b) Will be provided with draw-out type air circuit breakers complying with ANSI/IEEE C37.13 at mains, ties, and outgoing feeder breaker positions and labeled to work continuously at 100% rated current. Fuses will not be used;

(b).1 Except for the conditional power MDPs feeder breaker positions, which can be fixed-mounted molded case circuit breakers equipped with LSI trip unit for 201 amp and higher breakers.

7.7.4.2(7)(c) Will have circuit breakers with solid-state trip units with adjustable time and current elements for Long time, Short time, Instantaneous, and pickup settings. The trip units to have integral digital metering capable of displaying V, A, KVA and KW parameters and retaining the maximum recorded value of each parameter. The

metering function of the circuit breaker trip units will be connected to the overall metering system and the building management system;

(c).1 Provide ground fault detection on 600V feeders that are rated at 600A or greater.

7.7.4.2(7)(d) Circuit breaker status will be provided to the building management system to indicate operational status;

7.7.4.2(7)(e) Will have a coloured lamacoid mimic bus single line diagram riveted on the front;

7.7.4.2(7)(f) Will have coloured engraved lamacoid nameplates for cubicle and circuit identification on front and rear sections; and

7.7.4.2(7)(g) Will have lamacoid nameplates coloured as set out in Section 7.7.11.1(7).

7.7.4.2(8) Each double-ended MDP will directly feed:

7.7.4.2(8)(a) 600V Centralized Distribution Panels (CDPs). Provide a minimum of one 600V CDP for each of the vital, delayed-vital and conditional branches;

7.7.4.2(8)(b) Motor Control Centres;

7.7.4.2(8)(c) Type 1 Surge Protection Device as defined by UL 1449;

7.7.4.2(8)(d) Automatic power factor correction systems, with one on each side of the switchboard; and

7.7.4.2(8)(e) Large individual loads. Example: chillers.

7.7.4.2(9) Provide individual K-13 factor rated dry-type step-down 600V – 120/208V transformers in the main Electrical Room and penthouse Electrical Room for each of the following distribution branches: vital, delayed-vital, and conditional. Additional 600V - 120/208V transformers will be located as required by the Design.

7.7.4.2(10) 120/208V CDPs located on the same floor will have tie breakers to at least one (1) other system CDP.

7.7.4.2(11) All CDPs to utilize moulded case circuit breakers (MCCB); CDPs for Vital, Delayed Vital and UPS to use MCCB breakers.

7.7.4.2(12) 600V Centralized Distribution Panels for Vital, and Conditional power to feed 120/208V Centralized Distribution Panels in Electrical Rooms via transformers as per 7.8.4.2(9). These

120/208V CDPs to feed panel boards on each floor. The 600V Delayed Vital CDP will feed 120/208V CDPs or panelboards in the same location. Additional 120/208V panelboards will be installed throughout the Facility as required by the Design.

7.7.4.2(13) Provide a minimum of two (2) electrical riser rooms on each floor level of the Facility to contain electrical equipment serving that floor unless it can be demonstrated and approved by the Authority that one (1) will suffice. If it is demonstrated to the Authority that one (1) Electrical Room on a floor level will suffice, then the Design-Builder will centrally locate the Electrical Room on the floor plate to the Authority's approval.

7.7.4.2(14) Vertically stack the Electrical Rooms on all floors throughout the height of the Facility. If a third Electrical Room is required on any floor, spatially separate the three (3) rooms on plan and position these in different architectural fire-compartments where possible.

7.7.4.2(15) Install 600V - 120/208V dry type transformers for small equipment loads in Electrical Rooms on concrete housekeeping pads or suspend from structure. Install transformers so that removal can be facilitated without removal of any other equipment or conduit serving the room. Utilize sound and vibration mitigation installation methods for all transformers. No transformer larger than 45kVA will be suspended. Suspended transformers will be able to be lowered directly down to the floor to be arranged such that they can be moved to a position such that lowering directly down to the floor is possible.

7.7.4.2(16) Install specialized voltage dry type transformers such as 277/480V in Electrical Rooms connected to specialty equipment supplied by the Authority. These transformers will be fed from a 600V MDP or a 600V CDP depending on the size.

7.7.4.2(17) Locate the main Electrical Room in a separate room from any plumbing and mechanical equipment. Design the main Electrical Room to be readily accessible, well ventilated and free of corrosive or explosive fumes, gases or any flammable material. No pressurized piping containing fluids will not be routed in or through the electrical room. Any non-pressurized piping will have drip trays with copper piping to the floor. The preference is to avoid all unnecessary piping in electrical rooms. Drip tray drain termination will be located outside of the electrical room in a visible location to allow FMO to be alerted to the collection of fluids in the drip tray.

7.7.4.2(18) Provide a minimum of two (2) entrances/exits from the main Electrical Room with one set of doors sized to allow removal of

large electrical equipment. Provide knock-outs or doors in service rooms sized for the electrical equipment and devices within the room to facilitate the removal and or replacement of electrical equipment and devices.

7.7.4.2(19) Locate major electrical equipment to minimize run length of feeders and branch circuits and locate within the Facility to provide a clean, dry, safe, and accessible installation protected from unauthorized access.

7.7.4.2(20) Provide dedicated manual-transfer switches for each elevator bank in the Facility to allow all elevators to run uninterrupted in the event of an emergency power system test. These ATS units can be the contactor type with a single by-pass.

7.7.4.2(21) Locate and design electrical equipment for ease of maintenance and with due regard for Future Flexibility and Phase 2 Renovations. Ease of maintenance will include lamacoid signage for operating procedures where alternate sources involving interlocks and/or by-passes are involved.

7.7.4.2(22) Rate all distribution devices to handle available fault duty at line terminals. Perform a computer-generated fault study to ensure that all devices are properly rated. Coordination study to include panelboards.

7.7.4.2(23) Design and install protection equipment so that the initial electrical installation, future additions and modifications will be fully coordinated to isolate only the faulty portion of the system.

7.7.4.2(24) Select, configure, locate and install all components of transmission and distribution systems to minimize the transmission of noise, vibration or unwanted heat into other parts of the Facility; refer to Appendix 1D [Acoustic And Noise Control Measures].

7.7.4.2(25) Provide a networked digital metering system to monitor electrical loads and quality of power in the Facility and to all replaced equipment in the Existing Hospital. System will be part of the central electrical metering & monitoring system or Building Management System (BMS). Refer to Section 7.7.7.

7.7.4.2(26) The Design-Builder to commission all electrical and mechanical systems in the Facility. The Design-Builder will test and document all electrical and mechanical systems to confirm the Facility’s power factor. Provide all documentation to the Authority for review.

7.7.4.2(27) The Design-Builder will provide automatic power factor correction equipment within the Facility’s electrical distribution system to

ensure the Facility power factor does not fall below the 95% lag threshold. Coordinate capacitors with adjustable frequency drives and other harmonic generating equipment to avoid resonance conditions. Provide automatic disconnect of power factor correction equipment to open the breaker upon activation of the generator.

7.7.4.2(28) Provide transformation equipment for diagnostic imaging equipment as required by the imaging equipment vendors.

7.7.4.2(29) Provide bolt-on circuit breaker type panel boards fully rated to handle calculated fault current level. Series rating of breakers and panel boards is not acceptable.

7.7.4.2(30) Provide extra neutral terminal bus in all panels, where required, to accommodate dedicated neutrals in branch circuit wiring.

7.7.4.2(31) Construct flush mounted panel boards with three (3) spare 25 mm conduits stubbed into ceiling space above.

7.7.4.2(32) Provide panelboards with Type 2 integral surge protective devices as defined by UL 1449.

7.7.4.2(33) Install CDPs and panelboards on the same floor as the loads they serve. Where panelboards (including lighting control panels) are located outside of Electrical or TR Rooms, installation of these panelboards will be in interdepartmental, non-public corridors. Staff only cross-corridors in inpatient units will also be considered. Locations of these panelboards to be approved by the Authority during the design phase.

7.7.4.2(34) All panelboards to have minimum of 20% spare capacity and 25% spare physical space after all connected loads have been installed. Provide calculated documentation that proves that the 20% spare capacity has been provided once all loads are connected to the panelboard. Provide metered documentation to the Authority for review and approval after 3 months of client use.

7.7.4.2(35) Provide a 200A 60 circuit 120/208V 3Ph 4W conditional power panel for each of the Retail-Gift Shop and Retail-Coffee Shop spaces. Each panel will be metered with revenue quality meters.

7.7.4.2(36) Components of the electrical distribution system will have long life expectancy without perceptible deterioration and a good appearance; refer to Section 3.5.10. Design and install to permit easy and complete cleaning. Panel Boards will be lockable with sufficient catches and/or thickness of hinged cover to avoid latch side corners of cover being proud of the fixed portion of the cover.

7.7.4.2(37) Provide individual enclosed motor starters for individual motors. Utilize motor control centers for groups of four (4) or more motors that require individual motor starters located in the same general area as the motors they control.

7.7.4.2(38) Motor starters will be combination magnetic MCP (Motor Circuit Protector) type with integral control power transformers, Hand-Off-Auto (HOA) or start/stop control and at least two (2) auxiliary contacts in addition to seal-in contacts or variable frequency drives.

7.7.4.2(39) Provide combination starters for all motors ½ HP and larger that are not already controlled by adjustable frequency drive or include an integral control package. All motors of ½ HP or more will be 600 volt 3 phase.

7.7.4.2(40) Locations of receptacles to comply with all applicable codes and Standards and the requirements for each Component program area as described in Appendix 1A [Clinical Specifications and Functional Space Requirements].

7.7.4.2(41) Provide receptacles and power connections for all required loads including the following:

7.7.4.2(41)(a) Authority provided equipment;

7.7.4.2(41)(b) Design-Builder provided equipment;

7.7.4.2(41)(c) Mechanical equipment loads;

7.7.4.2(41)(d) As required by Appendix 1C [Minimum Room Requirements]; and,

7.7.4.2(41)(e) At a minimum, in accordance with CSA Z32 Table 5.

7.7.4.2(42) Receptacles for BMS panels, Network equipment, Nurse call servers and switches will be a Tier 3 SPD as defined by UL 1449.

7.7.4.2(43) Design-Builder will provide an additional one hundred and fifty (150) receptacles throughout the Facility, which are in addition to the requirements of Section 7.7.4.2(41), to be located as directed by the Authority throughout the Design period. The Design-Builder will provide one additional circuit for every four additional receptacles.

7.7.5 Emergency Power

7.7.5.1 Performance Criteria

7.7.5.1(1) Provide an emergency power system located outdoors, in a weatherproof, sound-attenuated and walk-in type enclosure. The emergency power system will supply all code required and Authority appointed loads that is sized to accommodate all the essential power loads in the Existing Hospital, the Facility, all future Phase 2 Renovations loads and with a minimum 20% future growth capacity without exceeding maximum loading to 80% of rated nameplate(s) in the event of a power failure.

7.7.5.1(2) The emergency power system to include at a minimum, two (2) or more prime power rated synchronized diesel generator units of equal capacity capable of supplying power to the Facility and the Existing Hospital electrical loads including 100% of the vital and delayed vital branches (account for 100% of all cooling loads without derating), all UPS branch loads, the conditional branch, the fire pump, the Existing Hospital and anticipated Phase 2 Renovations load increase. In addition, provide 20% spare capacity for future growth. This additional capacity will be added to the total demand code load after all other loads and requirements are accounted for. This capacity will be in addition to any spare capacity included for the mechanical equipment and all other Authority requirements.

7.7.5.1(3) The generation plant will be sized to provide power to the entire calculated load, including fire pump and future capacity, minus the conditional branch when one (1) diesel generator unit is unavailable.

7.7.5.1(4) The Design-Builder will provide the redundancy and spare capacity requirements and will demonstrate to the Authority in real time after Commissioning of the Facility is complete and the Facility is in use by the Authority. Mechanical loads will be simulated via the BMS as set out in this Schedule 1.

7.7.5.1(5) The Design-Builder will utilize the resistive/reactive load bank to simulate all linear and nonlinear demand loads that cannot be simulated by the BMS, plus 20% spare capacity.

7.7.5.1(6) Plug and lighting loads will be in accordance with the Energy Model calculations, and mechanical equipment not activated by the BMS will be accounted for in demand load and approved by the Authority.

7.7.5.1(7) Full load rating of the generator will be determined by the generator set name plate rating as referenced in CSA 282 Emergency Electrical Power Supply for Buildings.

7.7.5.1(8) The Design-Builder will provide a generator set sized in accordance with Section 7.7.5.1(2). In addition to these requirements and all relevant sections and Appendixes, the Design-Builder will provide the minimum of 10% reserve capacity rating as referenced in CSA 282 Emergency Electrical Power Supply for Buildings.

7.7.5.1(9) The Existing Hospital essential loads will be as per the peak current ampacity of the Existing Hospital (544kW at .95pf). Occupancy changes for the Phase 2 Renovations are as follows:

7.7.5.1(9)(a) Phase 2 Renovations additional loads of 450kW, having a breakdown as follows:

(a).1 Vital: 115kW;

(a).2 Delayed Vital: 310kW; and

(a).3 Conditional: 25kW.

Phase 2 Renovation				
	Existing Use	**Proposed Use**	**Area**	**Unit**
Level 0	Plant Service - Medical Gas / Storage	Health Info Management and Storage	54	m²
	Wood / Maintenance Shop	Health Info Management and Storage	115	m²
	Mechanical Room	Maintenance Shop	93	m²
Level 1	Pharmacy / Rental / Records	Main Entry / Office / U-Kitchen	567	m²
	Oxygen Storage	Housekeeping	26	m²
	Reception / Registration	Mailroom	19	m²
	Ambulatory Care / Emergency Department	Ambulatory Care	602	m²
Level 2	Maternity / Medical Surgical Inpatient	Acute Psychiatry Inpatient Unit	1137	m²
Level 3	Operating Room	UBC Faculty of Medicine	251	m²
		Phase 2 Additional Load	**260**	**kW**

7.7.5.1(10) Provide diesel generators and support systems that are capable of running continuously for at least eighty (80) hours at 100% rated load.

7.7.5.1(11) Provide diesel generators with a closed-circuit liquid cooling system.

7.7.5.1(12) Provide new power and controls for new emergency generator fuel system that will feed to the Facility emergency generators.

Coordinate location of new tank and pumps with the Authority or provide integral sub-base tanks as part of the outdoor generator package. Provide power and control for new inventory system, transfer pumps, duplex pumps, turbine pumps and associated devices.

7.7.5.1(13) Generators will be located to permit convenient servicing and monitoring, to prevent unauthorized access, ease of removal and to avoid interruption due to floods and seismic event.

7.7.5.1(14) Generators will be diesel to ensure a continuous source of fuel supply. The fuel supply will be independent to other building equipment and will be an integral sub-base tank with fuel transfers between tanks or stored on Site underground in permanent storage for the Facility. Bulk fuel supply will be accessible for refilling by tanker truck without affecting CMH accessibility or operation to the inside or outside of the Facility.

7.7.5.1(15) Fuel level and temperature, for either fuel storage option, will be electronically monitored by the BMS system to alarm when fuel supply drops below 24 hours and the fuel temperature falls below the threshold as recommended by the generator manufacturer. Fuel system to be comprised of integral sub-base tanks with fuel transfer system between the sub-base tanks, or underground fuel tanks that would also include a day tank for each generator, duplex redundant electric fuel pumps with backup manual fuel pumps as required to allow maintenance Staff to manually transfer fuel from main tank to the day tank.

7.7.5.1(16) Each exterior generator enclosure will have the following:

7.7.5.1(16)(a) 120/208V, 3ph, 60A Vital and 60A UPS panelboards;

7.7.5.1(16)(b) Dedicated circuits for battery charger and block heaters;

7.7.5.1(16)(c) Four (4) 5-20R receptacles on four (4) dedicated 120V, 20A circuits, with two (2) circuits on Vital power and two (2) circuits on UPS power;

7.7.5.1(16)(d) Heating/ventilation system redundancy, with a minimum quantity of two (2) identical units per enclosure, such that failure of any unit will not affect the inside temperature of the enclosure and will annunciate an alarm on the BMS system;

7.7.5.1(16)(e) Dedicated circuits for enclosure heater and other ventilation equipment;

7.7.5.1(16)(f) 50% of the lighting on Vital and 50% of the lighting on UPS;

7.7.5.1(16)(g) Fire alarm initiation devices (smoke detector, pull station) and dedicated alarm zone on the fire alarm system;

7.7.5.1(16)(h) Self-contained emergency light rated for minimum two (2) hours of operation wired ahead of switch leg on the Vital circuit;

7.7.5.1(16)(i) Power connections for the fuel transfer system (i.e. pumps and associated auxiliary equipment) for either fuel storage option;

7.7.5.1(16)(j) Louvers, sloped roof, rain gutter, snow melting equipment, or other means to prevent build up of snow and water ingress;

7.7.5.1(16)(k) Two access doors, positioned such that maintenance personnel can move from one generator enclosure to the next easily and efficiently;

7.7.5.1(16)(l) Secure perimeter screen having a height of 2.4 m above finished ground around the generators to prevent access to the area by the general public. The screen will have a visual appearance consistent with the character of the Facility with features such as louvres to provide adequate airflow. Access to the area for maintenance personnel will be provided by means of an access-controlled gate in the screen. Ensure adequate clearance between the interior perimeter of the secure screen and the generator enclosures, stairs and landings to provide uninterrupted access around the full perimeter of the enclosures;

7.7.5.1(16)(m) Exterior access stairs and landings to allow access to the doors of each generator enclosure, such that neighbouring generators can be accessed from the same access landing;

7.7.5.1(16)(n) Full weather protection above and extending 600 mm beyond the edge of the access landings and stairs to minimize ingress of precipitation such as rain and snow into the stair and landing areas; and

7.7.5.1(16)(o) The generators, their enclosures and the surrounding screened area will be provided with a suitable concrete

pad, which will extend to encompass the screen and be designed by a Professional Engineer, complete with foundations and anchorage for the screen to resist anticipated forces such as wind loads.

7.7.5.1(17) Diesel generator exhaust emissions at full load on 100% diesel fuel will not exceed the U.S. Environmental Protection Agency Non-Road ‘Tier 2 Interim’ limits. Provide manufacturer documentation indicating Tier 2 compliance for the specific model as part of the submittal package for the Authority's review..

7.7.5.1(18) The diesel generator exhaust will vent vertically above the roof level of the enclosure and will be located to prevent re-entrainment of emissions into air-intakes of the generator enclosures of any building on the CMH Campus or intakes on adjacent properties.

7.7.5.1(19) Provide after-treatment of engine exhaust if necessary to maintain NOx concentration within 500 $\mu g/m^3$ at all air-intakes. Provide test results after full load test is complete that prove this requirement has been met.

7.7.5.1(20) Generators will be located, vibration isolated, and muffled to meet the noise levels as described in Appendix 1D [Acoustics and Noise Control Measures] and remain at all times in compliance with local regulations and sound bylaws.

7.7.5.1(21) Locate the main emergency distribution equipment such as ATSs and 600V MDPs and CDPs in the main Electrical Room. Provide a fire separation between the essential equipment for emergency power and conditional power such that a catastrophic failure in one system does not affect the other system.

7.7.5.1(22) Design the system with redundant power paths to maintain full and continuous service to clinical operations at all times, including during system maintenance.

7.7.5.1(23) The generator synchronization board will provide breakers for the vital, delayed vital and conditional systems, as well as the fire pump transfer switch, one spare space and a non-linear load bank. The non-linear load bank will be configured such that the system will cut off power to the load bank in the event of a loss of power to the utility supply.

7.7.5.1(24) The conditional ATS switch will automatically disconnect the load on the generation plant upon the failure from one (1) generator or operation of the fire pump.

7.7.5.1(25) Breakers in the synchronization board and generators will be of the same manufacturer as the 600V MDPs.

7.7.5.1(26) Provide annunciation of individual alarms for each generator to the BMS. Include ‘run’ and ‘fail to run’ alarms to the BMS. Provide alarms required by CSA 282 to the Fire alarm panel. Provide generator remote alarm panel in location designated by the Authority.

7.7.5.1(27) Provide a breaker in the synchronization board sized to match the main breaker size of one (1) generator for the connection of a portable load bank. Provide an exterior Camlock connections for the load bank. This breaker on the synchronization board will not be considered as a spare breaker.

7.7.5.1(28) Not Used

7.7.5.1(29) Not Used

7.7.5.1(30) Provide emergency power to serve essential loads as defined by CEC, CSA Z32, and as required to meet the Appendix 1A [Clinical Specifications and Functional Space Requirements] and Appendix 1C [Minimum Room Requirements], including but limited to:

7.7.5.1(30)(a) Vital branch loads:

- (a).1 Path of egress lighting;
- (a).2 Exit signs;
- (a).3 Stair and ramp lighting;
- (a).4 Receptacles and lights at service rooms for emergency distribution;
- (a).5 Medical gas alarm panels;
- (a).6 Firefighter elevators;
- (a).7 Elevator cab and machine room lighting;
- (a).8 Fire alarm system and sprinkler system;
- (a).9 Smoke venting fans and smoke control fans;
- (a).10 Telecommunications systems and network equipment in all MCCs, BCCs, TRs and DAS Head end room;
- (a).11 75% of lighting, receptacles and all permanently connected equipment in Resuscitation and Exam/Treatment Rooms unless otherwise noted;
- (a).12 50% of receptacles in booms;
- (a).13 50% of receptacles and lights in all Patient care rooms;

(a).14 50% of lights and receptacles in each care team station;
(a).15 Nurse call system power supplies;
(a).16 Medical vacuum pumping systems;
(a).17 Pharmacy dispensing areas;
(a).18 Medication Rooms and other similar dispensing areas as directed by the Authority;
(a).19 Equipment indicated in Appendix 1J [Equipment List] as requested by the Authority during User Consultation Group meetings required to be on emergency power system;
(a).20 Emergency generator related equipment such as ventilation, battery charger or air compressor for starting engine and derangement signals;
(a).21 Hands-free sinks with electronic operators;
(a).22 Hands-free automatic door openers;
(a).23 Provide conduit rough-ins from the nearest vital distribution panel to locations on the Facility rooftop for future obstruction lighting and wind indicator lights. The exact location of the rough-ins will be determined in consultation with the Authority;
(a).24 Heat Tracing Systems;
(a).25 Provide two (2) 78-mm conduit between the main electrical room vital distribution power source and the mechanical room on Level 0 to service Future Heliport equipment;
(a).26 Alarmed freezers and refrigerators on clinical floors where DV is not available;
(a).27 Delayed vital branch loads as outlined in the Minimum Room Requirements - Appendix 1C on clinical floors where DV is not available; and
(a).28 Pneumatic tube system transfer stations on the clinical floors.

7.7.5.1(30)(b) Delayed vital branch loads including:
(b).1 Centralized N+1 UPS system with second feed coming from vital distribution;
(b).2 100% of all ventilation systems;
(b).3 Sump pumps and sewage ejector pumps;
(b).4 Medical air pumping systems;
(b).5 Fume hoods;
(b).6 Selective operation of one (1) elevator in each elevator bank containing more than one (1) elevator;

(b).7 All individual elevators (excepting firefighter elevators);

(b).8 100% of all heating, ventilation and plumbing systems;

(b).9 Authority's equipment on non-clinical floors requiring emergency power as denoted in Appendix 1J [Equipment List] and Appendix 1A [Clinical Specifications and Functional Space Requirements] as requested by the Authority during User Consultation Group meetings;

(b).10 Alarmed freezers and refrigerators on non-clinical floors;

(b).11 Pneumatic tube system main equipment (blowers) on non-clinical floors;

(b).12 Booster Pumps for Domestic Water;

(b).13 100% of all ventilation and air conditioning / cooling equipment serving the main cross-connect room, on-floor communication riser rooms and 24x7 cooling loads; and

(b).14 100% of all ventilation and air-conditioning/cooling equipment serving the main Electrical Room, electrical riser rooms on each floor and the central UPS room.

7.7.5.1(30)(c) Conditional branch loads including:

(c).1 All other loads in the Facility not on the UPS system.

7.7.5.1(31) The BMS to monitor and record emergency loads.

7.7.5.1(32) At a minimum, provide a UPS branch panel board and a vital branch panel board in the MCC, BCC and in each on-floor TR. Each panel board will be capable of independently supporting all the telecommunication equipment in the respective room. All active equipment (example: servers, IT switches) will be dual-corded with dual power supplies and simultaneously connected to a UPS branch panel and the vital branch panel such that an interruption in either power branch will not affect the telecommunication equipment.

7.7.5.1(33) The engine, alternator and control system will be manufactured by a single supplier and validated by factory prototype testing as a complete generator set package.

7.7.5.1(34) The generators will have a maintenance mode function integrated into the generator control system for arc energy reduction with the capability of the following features;

7.7.5.1(34)(a) External means for enabling/disabling; and

7.7.5.1(34)(b) Automatic detection when connecting with service software.

7.7.5.1(35) The generator manufacturer will have factory certified technicians permanently residing in British Columbia or Alberta and provide after-hours emergency call center with 24/7/365 support.

7.7.6 Uninterruptible Power Supply (UPS) Systems

7.7.6.1 Basic Requirements

7.7.6.1(1) Provide a centralized scalable, hot swappable Uninterruptible Power Supply (UPS) system arranged in a redundant N+1 configuration to serve all areas, equipment and systems that require a continuous and uninterrupted source of power meeting the requirements of this Schedule 1, Appendix 1C [Minimum Room Requirements], Appendix 1E [Authority Communications Infrastructure Standards & Specifications], Appendix 1J [Equipment List] and for the following additional outlets, equipment and systems:

7.7.6.1(1)(a) 25% of lighting, room receptacles, and permanently connected equipment, and 50% of receptacles in booms;

7.7.6.1(1)(b) 100% of the Resuscitation Room surgical task lights;

7.7.6.1(1)(c) 50% of all Resuscitation Room Lighting;

7.7.6.1(1)(d) Provide UPS capacity as required by this Schedule 1;

7.7.6.1(1)(e) the Facility Building Management System;

7.7.6.1(1)(f) wired panic duress system;

7.7.6.1(1)(g) electronic access control systems;

7.7.6.1(1)(h) intrusion detection system;

7.7.6.1(1)(i) IP video surveillance system;

7.7.6.1(1)(j) medical equipment which is deemed Life Safety equipment; and in accordance with the Authority User Consultation Group requirements. Coordinate with Authority representative to confirm exact requirements;

7.7.6.1(1)(k) all equipment and systems located in MCC, BCC, TR, DAS head end room and including:

(k).1 network equipment for the wired and wireless networks;
(k).2 wireless access points;
(k).3 PBX and other telephone equipment;
(k).4 wireless communications system;
(k).5 nurse call system;
(k).6 paging system;
(k).7 intercom;
(k).8 Patient wandering system;
(k).9 infant protection system;
(k).10 Vocera system;
(k).11 BMS control power;
(k).12 RTLS systems; and
(k).13 Control power for Synchronization, ATS units, MDP breakers and metering.

7.7.6.1(1)(l) Connect, at a minimum, 20% of the lighting in Clinical Spaces and rooms and areas used by the public to the UPS system.

7.7.6.2 Performance Criteria

7.7.6.2(1) The centralized UPS system will be fed from the delayed vital power system backed by diesel generators and conditional power system having an alternate fully redundant connection path; these two (2) connections will have a manual means of selection which will not impede the availability of the UPS during maintenance of any of the parts.

7.7.6.2(2) Where vital systems or functions (as defined by the Authority during the design phase) are connected to a UPS circuit, include an audible warning in the vital function area five (5) minutes before the UPS battery supply is exhausted. Provide additional monitoring by the BMS. These systems or functions include bio-hazard fridges and freezers, select diagnostic equipment and life support systems.

7.7.6.2(3) Centralized UPS system:

7.7.6.2(3)(a) to have modular and scalable architecture with no system-level single-point-of-failure;

7.7.6.2(3)(b) to have two (2) or more hot swappable UPS modules connected in parallel providing N+1 redundancy, to ensure UPS power to support 100% of the initial design load (includes the Existing Hospital, the Facility and

anticipated Phase 2 load) and 40% spare capacity when one UPS module is unavailable. The spare capacity will be calculated by adding the connected loads minus the IMIT loads located in the MCC/BCC and all TRs multiplied by 1.4 plus the IMIT loads located in the MCC/BCC and all TRs with required future capacity;

7.7.6.2(3)(c) to have a dedicated hot swappable battery string for the UPS module(s) rated to provide a minimum of fifteen (15) minutes of back up time when the UPS module is carrying 100% rated load;

7.7.6.2(3)(d) will be online, double-isolation type having output power factor of minimum 0.98 and be 99% efficient;

7.7.6.2(3)(e) to have input filter at each UPS module to limit the total harmonic current distortion to 5% when the UPS module is carrying 100% rated load;

7.7.6.2(3)(f) to have static bypass to automatically bypass the UPS in the event of UPS failure;

7.7.6.2(3)(g) to have external maintenance bypass switching cabinet for servicing the UPS system that allows for complete removal of the UPS system without interruption to the connected loads;

7.7.6.2(3)(h) each UPS system and the static bypass to have a dedicated input feeder connected to the delayed-vital branch; and

7.7.6.2(3)(i) will have a network connection for monitoring and will indicate any alarms to the BMS.

7.7.6.2(4) The CDP that is fed from the UPS system output to have an alternate input that can be energized directly from the main vital CDP in the event of a UPS system-failure. Provide interlock controls such that only one (1) feeder can be energized at any one time.

7.7.6.2(5) Size breakers, electrical equipment and conductors feeding the UPS unit and the conductors and immediate electrical equipment connected on the load side of the UPS to the maximum capacity of the modular UPS system such that the addition of future modules in the UPS will not require an upgrade to the electrical equipment infrastructure.

7.7.7 Metering

7.7.7.1 Basic Requirements

7.7.7.1(1) Provide a networked, digital microprocessor metering system to provide detailed information about power quality and power consumption at key points throughout the Facility and the Existing Hospital. Key points include:

- 7.7.7.1(1)(a) High voltage feeders from the Utility;
- 7.7.7.1(1)(b) High voltage feeders ;
- 7.7.7.1(1)(c) All breakers in all MDPs;
- 7.7.7.1(1)(d) Secondary feeders of all 25kV-600V power transformers;
- 7.7.7.1(1)(e) 600V and 120/208V CDP, main breaker and each feeder breaker;
- 7.7.7.1(1)(f) All breakers on the Generation Plant Synchronization board;
- 7.7.7.1(1)(g) UPS;
- 7.7.7.1(1)(h) All Panelboards at 600V and 120/208V (power quality metering point is not required at this level of the distribution);
- 7.7.7.1(1)(i) Motor control centres;
- 7.7.7.1(1)(j) All other requirements of ASHRAE 90.1 and LEED.

7.7.7.1(2) Provide revenue grade metering for each of the panel boards feeding the Retail-Coffee Shop and Retail-Gift Shop spaces.

7.7.7.1(3) Ensure that metering is provided to record total energy consumed by lighting fixtures and equipment separately from the main metering system. Integrate information from each meter on a common software platform residing on a dedicated electrical metering server.

7.7.7.1(4) Provide metering on each normal, vital, delayed vital, conditional and UPS power branch.

7.7.7.1(5) Ensure that sufficient metering is provided to record the energy consumed by all major mechanical equipment including chillers, steam consumption, fan and pump motors, medical air and vacuum separately from the main power system.

7.7.7.1(6) Implement a networked metering system with terminals for maintenance and plant administration, and data transfer to the Facility's BMS. Provide network software, hardware, licensing for 10 years to provide remote monitoring and third party assistance, re-programming and troubling-shooting.

7.7.7.1(7) Connect electrical demand and consumption meters to the BMS.

7.7.7.1(8) Include trend logging equipment sensors to comply with and fulfill energy measurement and verification requirements. Logged information will not be overwritten and will be archived. Historical values will not include any loadbank additions.

7.7.7.1(9) Provide additional meters required to measure energy performance in order to determine performance in accordance with Schedule 8 [Energy Guarantee] and to meet LEED Gold requirements.

7.7.7.2 Performance Criteria

7.7.7.2(1) The metering system will provide easily read locally displayed information for all distribution at primary voltage and for each secondary distribution switchboard.

7.7.7.2(2) Metering intervals will be one (1) minute or less.

7.7.7.2(3) Design the metering system network to store historical data and to have the capability to generate user configurable electronic and printed reports on demand.

7.7.7.2(4) Support the metering system by a backup power source(s), which ensures operation when the metered circuit is de-energized. The metering system will not be dependent on power from the metered circuit for its operation. Metering source of power to be noted at each meter using lamacoid nameplate.

7.7.7.2(5) The metering system will, at a minimum, provide the following information about each metered circuit:

7.7.7.2(5)(a) Phase-to-Phase Voltage (all phases);

7.7.7.2(5)(b) Line-to-Neutral Voltage (all phases);

7.7.7.2(5)(c) Phase Demand and Peak Current (all phases and neutral);

7.7.7.2(5)(d) KW (peak and average);

7.7.7.2(5)(e) KVA (peak and average);

7.7.7.2(5)(f) Power Factor, KWH, VAR, hours and frequency; and

7.7.7.2(5)(g) The metering system will also provide current and voltage harmonic information for each MDP and CDP.

7.7.7.2(6) Utilize power quality type meters for monitoring harmonics and surges / sags. Provide power quality meters capable of monitoring harmonics on the vital, delayed vital and conditional distribution panels.

7.7.7.2(7) Draw-out circuit breakers on the 600V will be provided with trip units with integral three (3) phase true RMS digital meter with local LCD display to indicate the phase current for each phase, kW and kVA.

7.7.8 Grounding and Bonding

7.7.8.1 Basic Requirements

7.7.8.1(1) Provide grounding and bonding for all electrical equipment and systems in the Facility for the safety of people and for protection against damage to equipment or property in the case of a fault occurring in any of the equipment or systems.

7.7.8.1(2) Provide a solidly grounded system.

7.7.8.1(3) Install grounding and bonding as required by all applicable codes and Standards, including the latest adopted version of the CEC, IEEE, CSA and ANSI/TIA Standards for communications and security equipment and systems.

7.7.8.2 Performance Criteria

7.7.8.2(1) Utilize non-alloyed copper for all conductors and all conducting components of electrical equipment which form part of the grounding and bonding systems in the Facility.

7.7.8.2(2) Provide a solidly grounded system including conductors and bussing. Provide equipotential grounding systems and equipment for all Clinical Spaces, including a common ground bus for each Patient bed location as required by CSA Z-32.

7.7.8.2(3) Not Used

7.7.8.2(4) Not Used

7.7.8.2(5) Not Used

7.7.8.2(6) Bond all exposed non-current carrying components of communication, radio or television equipment in Clinical Spaces to ground using a properly sized equipment bonding conductor.

7.7.8.2(7) Provide a ground bus in each Electrical Room and MCC, BCC and TR connected to the central grounding system.

7.7.8.2(8) Provide a copper ground conductor within all raceways for feeders and branch circuit wiring.

7.7.8.2(9) Provide a telecommunications system bonding system in accordance with TIA 607 requirements.

7.7.8.2(10) Provide lightning protection for the Facility in accordance with CAN/CSA-B72:20.

7.7.8.2(11) Label all grounding and bonding conductors and bus bars consisting of the ‘bonding backbone’ with printed labels.

7.7.9 Seismic Requirements for Electrical Systems

7.7.9.1 Basic Requirements

7.7.9.1(1) Provide seismic restraint for all electrical equipment and components of electrical systems which are part of the building electrical systems designed to meet the Standards of a post disaster building; refer to Section 5.4.

7.7.9.1(2) The seismic restraints systems to facilitate the maintenance and reconfiguration, as well as the installation will coordinate with the buildings architectural finishes.

7.7.9.2 Performance Criteria

7.7.9.2(1) Provide seismic support for all electrical equipment and components of electrical systems that have the potential to cause injury or damage during or following a seismic event.

7.7.9.2(2) Use seismic restraint systems that are designed by a Professional Engineer or, where an identified pre-designed standard restraint device or system exists for a particular item, that equipment may be used provided that written confirmation of its acceptability for the installation is provided by a Professional Engineer.

7.7.9.2(3) Provide signed and sealed drawings as well as typewritten field reports from a seismic Professional Engineer.

7.7.9.2(4) Obtain certification of the main electrical distribution equipment for “seismic withstand capability” and, to maintain the certification, anchor such equipment according to the manufacturer’s instructions.

7.7.10 Power Quality

7.7.10.1 Basic Requirements

7.7.10.1(1) Establish and maintain an overall power quality which assures suitable conditions for operation of all electrical and electronic equipment throughout the Facility.

7.7.10.1(2) Provide equipment and systems which assure that electrical equipment and systems will not be harmed or impaired either by external events or conditions, such as lightning and disturbances on the Utility service, or by internal events or conditions generated within the Facility.

7.7.10.1(3) Meet or exceed the IEEE established Standards for power quality including Harmonic Mitigating Transformers, Harmonic Filters, Surge Protective Devices (SPD’s), etc., where deemed necessary by the Authority and IEEE.

7.7.10.1(4) Provide harmonic mitigation equipment, as necessary, to ensure that power quality meets or exceeds recommendations in IEEE, including standard 519. For the purposes of measuring the harmonic distortion, the “Point of Common Coupling” will be the two main 25kV-600V step-down transformers.

7.7.10.2 Performance Criteria

7.7.10.2(1) Provide equipment, such as filters, zigzag transformers, surge protective devices (SPD’s), etc., specifically designed to control and remove all adverse power quality conditions that could damage or impair function of sensitive electronic equipment used in the Facility. Adverse power quality conditions include single phasing, voltage sags, voltage dips, voltage surges, voltage spikes, transients, harmonics, power factor and radio frequency interference.

7.7.10.2(2) Provide the ability to demonstrate to the Authority at any time that there are no potentially harmful power conditions present and that equipment intended to guard against such conditions is in proper working order.

7.7.10.2(3) The voltage phase imbalance will not exceed 3% between phases A, B, C anywhere within the power distribution system.

7.7.10.2(4) Provide station class lighting arrestors on the primary side of the 25kV-600V main power transformers. Provide Type 2 integral surge protective devices (SPD's) on all 600V MDPs and all CDPs.

7.7.10.2(5) Provide phase detection/protection at all CDPs feeding mechanical equipment, elevator equipment and medical equipment.

7.7.10.2(6) Provide a third party specializing in power quality systems to fully test and commission all power quality systems. Submit the reports with the Commissioning documents.

7.7.10.2(7) Provide individual harmonic filters ahead of and coordinated with variable speed drive for every motor greater than 7.5 HP.

7.7.10.2(8) Provide harmonic mitigation transformers for all loads fed by vital, delayed vital, and UPS power sources and any specific critical equipment, including diagnostic and treatment equipment, surgical equipment and devices and similar equipment; refer to Appendix 1J [Equipment List] and as otherwise directed by the Authority;

7.7.11 Wiring Methods, Materials and Devices

7.7.11.1 Basic Requirements

7.7.11.1(1) Use wiring methods, materials and devices that result in a safe, reliable and flexible electrical power, lighting control, communication, data, and Life Safety System.

7.7.11.1(2) Install all wiring in a neat and secure manner so that it is protected from damage, is not in conflict with mechanical or architectural components and allows for future changes and additions.

7.7.11.1(3) Receptacle colours will be red for vital, white for conditional and orange for UPS; all others to be white. Colour of receptacles will be finalized and implemented through the User Consultation Groups.

7.7.11.1(4) All receptacles will be identified with source panel and circuit number with a colour coded printed label in accordance with Site and Authority Standards as specified in Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.7.11.1(5) Identification Standards for lighting, receptacle and power panels: each identified with an engraved lamacoid nameplate secured to top interior trim as follows:

7.7.11.1(5)(a) “LP-4NW-1EA” 11 mm (7/16") high lettering

7.7.11.1(5)(b) “120/208 volts” 7 mm (1/4") high lettering

7.7.11.1(5)(c) “Fed from PP-SBSW-EAA” 5 mm (3/16") high lettering

7.7.11.1(6) All panels and equipment will be identified (lamacoid).

7.7.11.1(7) Nameplates for panels and equipment (lamacoid):

7.7.11.1(7)(a) 3 mm (⅛") thick laminated plastic plates,

7.7.11.1(7)(b) Size to suit number of lines and line heights as identified with minimum 7 mm border on all sides.

7.7.11.1(7)(c) On front and rear sections for switchboards

7.7.11.1(7)(d) engraved lettering will be as follows (unless otherwise identified):

(d).1 first line: 11 mm (7/16”) high lettering,
(d).2 second line: 7 mm (1/4”) high lettering,
(d).3 third line: 5 mm (3/16”) high lettering,

7.7.11.1(7)(e) colour coded as follows:

(e).1 white lettering on red background for panels and equipment on vital power,
(e).2 white lettering on blue background for panels and equipment on delayed-vital,
(e).3 white lettering on yellow background for panels and equipment on conditional power
(e).4 white lettering on orange background for panels and equipment on UPS power,
(e).5 with bevelled edges,

7.7.11.1(7)(f) mechanically attached with self-tapping stainless steel screws.

7.7.11.1(8) All wiring and cables will be installed in EMT or PVC (underground) unless specifically noted otherwise.

7.7.11.1(9) The Design-Builder will provide room reference bonding in accordance with the Canadian Electrical Code (CEC) Section 24 for all Clinical Spaces and as defined in CSA Z32.

7.7.11.1(10) The Design-Builder will provide a dedicated room reference ground bus located in accessible location, typically behind the door to the room.

7.7.11.1(11) Room reference ground bus will consist of a CSA listed enclosure complete with terminal strips, and mechanical divider to isolated different sources. All branch circuits will enter the room reference ground bus.

7.7.11.1(12) The Design-Builder to provide minimum #10 AWG bond conductors for all Clinical Spaces bonding, #8 AWG is highly recommended.

7.7.11.1(13) The Design-Builder will oversize conductors to all branch circuits within the Patient care environment as defined by the CSA Z32 to accommodate the voltage drop requirements and to facilitate the code required CSA Z32 testing.

7.7.11.1(14) The Design Builder will be responsible to supply seventy (70) fewer duplex outlets from those included in the 100% Formal Design and Construction Document Submittal. The Authority will determine the locations of the deletions within 30 days of the execution of the Design Build Agreement.

7.7.11.2 Performance Criteria

7.7.11.2(1) The Design-Builder will provide the minimum number of receptacles required in all basic care areas, intermediate care and critical care areas as defined by the CSA Z32 Table 5. These minimum requirements will be increased to meet the requirements of this Schedule, mechanical equipment, Appendix 1C [Minimum Room Requirements], Appendix 1J [Equipment List], industry reference documents, reference Standards and good industry practice where noted.

7.7.11.2(2) Provide power and data and make all connections in accordance with manufacturer’s installation recommendations for the following:

7.7.11.2(2)(a) light arms;

7.7.11.2(2)(b) articulation arms;

7.7.11.2(2)(c) booms listed in Appendix 1J [Equipment List]; and

7.7.11.2(2)(d) testing and observation equipment.

7.7.11.2(3) Utilize non-alloyed copper for all conductors and all conducting components of electrical equipment which form part of the Facility’s wiring systems, except that aluminum conductors may be used for electrical feeders greater than 200A. Minimum conductor size will be #12AWG. Provide dedicated neutrals for clinical and clinical support areas and electronic equipment, including computers,

resuscitation rooms, exam and treatment rooms, observation and testing areas.

7.7.11.2(4) The Design-Builder will not utilize armoured flexible cable (AC90) for branch circuit conductors except for individual luminaire drops less than 3 m in length.

7.7.11.2(5) Not used.

7.7.11.2(6) Not used.

7.7.11.2(7) Not used.

7.7.11.2(8) Tamper Resistant screws require specific tools to fasten and remove. Commercial screwdrivers and wrenches cannot remove these screws and they require a dedicated tool for mounting and removing. Tamper Resistant nuts will be stainless steel and can only be removed with dedicated tools specific to the product.

7.7.11.2(9) Not used.

7.7.11.2(10) Provide ten (10) spare, grade 10, Tamper Resistant keys per Component.

7.7.11.2(11) Provide panel boards with double neutral(s) capacity where significant non-linear load(s) are anticipated. This includes all Patient care areas, offices, open offices and other areas with a medium to high density of personal computers.

7.7.11.2(12) Provide one (1) 15A/20A 120V quad plex receptacle and one (1) 15A/20A 120V duplex receptacle for each computer/ workstation. Typically locate the quad plex outlet and the duplex at 500 mm AFF.

7.7.11.2(13) Provide power outlets for all computer work stations as noted in Appendix 1A [Clinical Specifications and Functional Space Requirements], Appendix 1C [Minimum Room Requirements], and as Appendix 1J [Equipment List]. One of these receptacles will have a dedicated neutral. The two (2) receptacles will be of differing power sources. Provide a conditional circuit for the quad plex outlet and a vital circuit for the duplex outlet.

7.7.11.2(14) Conceal all wiring and wiring support systems from public view.

7.7.11.2(15) Separate all wiring for systems of different voltages and from different sources and do not run in common raceways. Maintain adequate shielding and separation between wiring for power and communication systems to prevent interference.

7.7.11.2(16) Identify system voltage, phase, neutral and grounding of all pull boxes, junction boxes, conduits and wiring. Provide additional colour coding for wiring and “P Touch” self-adhesive labelling for receptacles and switches.

7.7.11.2(17) Provide hospital grade receptacles in Patient care areas, Clinical Spaces, and similar usage areas. Receptacles in all other areas, unless otherwise noted, will be specification grade.

7.7.11.2(18) Provide Tamper Resistant receptacles in public areas and as required by Appendix 1C [Minimum Room Requirements].

7.7.11.2(19) Provide heat tracing and fire alarm monitoring of all heat traced sprinkler lines.

7.7.11.2(20) Provide heat tracing of all mechanical piping as required and monitor power to the heat tracing via the BMS.

7.7.11.2(21) Utilize stainless steel cover plates for receptacles and switches. Grouped receptacles and switches will have a single cover plate for the whole group, in addition:

7.7.11.2(21)(a) Allow for 150 duplex 15A 120V receptacles on 38 dedicated circuits (one circuit per four-receptacle arrangement), which will be placed as required by the Authority during User Consultation meetings and connected to any of the power branches as requested by the Authority and directed by the electrical consultant**;**

7.7.11.2(21)(b) Allow a maximum connection of six (6) general use receptacles to one (1) 20 amp circuit. Where the connected load is known, the number of receptacles per circuit will be adjusted in accordance with equipment manufacturer’s requirements, CSA Z32 and good industry practice; and

7.7.11.2(21)(c) Provide dedicated circuits for all equipment and or devices where required by code, Standards or as recommended by the manufacturer.

7.7.11.2(22) Provide the required power connections to each fixed and moveable equipment in Appendix 1J [Equipment List]. Coordinate details with equipment vendors as required.

7.7.11.2(23) Final location of all receptacles and connections will be determined in User Consultation Group meetings.

7.7.11.2(24) Provide, at a minimum, one (1) duplex convenience receptacle rated at 15/20A, 120V in all rooms, alcoves, and vestibules, and connect these to the conditional power branch unless indicated otherwise in Appendix 1C [Minimum Room Requirements].

7.7.11.2(25) Utilize NEMA 5-20R 15/20Amp style receptacles for all computer workstations, maintenance outlets, storage rooms, Clinical Spaces and copiers. Provide separate dedicated circuits for each printer and copier; refer to Appendix 1J [Equipment List].

7.7.11.2(26) Utilize NEMA 5-20R 15/20Amp style receptacles for housekeeping staggered on alternate sides of the corridors spaced a maximum of 7 m apart and as required for complete coverage of the Facility and at each stairwell landing.

7.7.11.2(27) Utilize weatherproof NEMA 5-20R 15/20Amp style receptacles for Christmas lighting. Provide Class A type GFCI breakers for all exterior lighting outlets. Strategically located in soffits, overhangs and entrance and exits to the Facility. Provide an additional ten (10) outlets, which will be located throughout the Facility as determined in consultation with the Authority.

7.7.11.2(28) Provide one (1) 15/20A 120V duplex receptacle for every 7.5 linear metres of available wall space, or portion thereof, in the storage space, and provide one (1) 15/20A duplex receptacle every 12 linear metres of available wall space in Service Rooms. One (1) GFCI duplex receptacle will be provided, and at a minimum, one (1) 15/20A housekeeping receptacle on each wall in Housekeeping Rooms, Housekeeping Closets and as required in the Appendix 1C [Minimum Room Requirements].

7.7.11.2(29) Provide one 15/20A 120V duplex receptacle on alternate sides of corridors, lobbies and waiting/seating areas and one (1) 15/20A 120V duplex receptacle in Back of House areas spaced at 10 m centres maximum. Each wall will have minimum one (1) receptacle. Connect these receptacles to the conditional power branch.

7.7.11.2(30) In Staff washrooms, provide one (1) GFCI 15A 120V duplex receptacle above the counter connected to conditional power. In Patient washrooms, provide one (1) GFCI receptacle above counter.

7.7.11.2(31) Provide each articulated arm and boom with a minimum of eight (8) 15/20A duplex receptacles on five (5) dedicated circuits; refer to Appendix 1C [Minimum Room Requirements] and Appendix 1J [Equipment List].

7.7.11.2(32) Additionally, for each boom, provide a 30A, 208V (L5-30R) receptacle on a dedicated circuit and 20A, 208V twist lock duplex receptacle on a dedicated circuit as required by the manufacturer and as directed by the User Consultation Groups. Connect receptacles on the boom on the vital and UPS branches.

7.7.11.2(33) Provide receptacle for laser on booms as directed by the Authority through the User Consultation Groups process. Connect laser receptacle to the UPS branch. Refer to Appendix 1J [Equipment List].

7.7.11.2(34) In the Resuscitation Room, provide the following:

7.7.11.2(34)(a) One (1) 15/20A 120V duplex receptacle at maximum 2 m centres, connected to vital and UPS branches as determined in collaboration with the Authority.

7.7.11.2(34)(b) One (1)15/20A 120V duplex receptacle for housekeeping outlet in two (2) locations.

7.7.11.2(34)(c) One (1) 20A, 208V twist lock receptacle in two (2) locations.

7.7.11.2(35) In the Medical Imaging waiting area, provide the following:

7.7.11.2(35)(a) Four (4) 15/20A 120V duplex receptacle with dual USB-ports for general use at four (4) locations;

7.7.11.2(35)(b) One (1) 15/20A 120V duplex receptacle for housekeeping outlet in one (1) location; and

7.7.11.2(35)(c) Two (2) 15/20A 120V duplex receptacle for television and future equipment at two (2) locations.

7.7.11.2(36) In all Patient rooms meaning the “Patient care environment” as defined by the CSA Z32, connect 50% of the receptacles on the conditional branch, and the remaining 50% on the vital branch unless otherwise noted in Appendix 1C [Minimum Room Requirements].

7.7.11.2(37) Provide special receptacles for fixed and moveable equipment as defined in the Appendix 1J [Equipment List]. Provide all necessary electrical equipment devices as required to provide an electrical installation in accordance with manufacturers installation recommendations and make all connections for Authority supplied equipment. Provide source of power as directed by the Authority. The Design-Builder to increase emergency capacity including all

additional spare capacity as required to accommodate additional emergency power requirements.

7.7.11.2(38) Provide a digital count-up and countdown timer in the Resuscitation Room and as directed by the Authority.

7.7.11.2(39) Provide code timers in all bays, both sides of the Resuscitation Room, and as directed by the Authority.

7.7.11.2(40) Provide 15/20A, 120V vital circuit for all ceiling lifts and overhead lifting equipment. Make all required connections and install in accordance with the manufacturers' recommendations; refer to Appendix 1J [Equipment List].

7.7.11.2(41) Provide 15/20A, 120V duplex receptacles in two (2) locations located on the ceiling of all resuscitation rooms and similar usage rooms.

7.7.11.2(42) Provide 15A, 120V circuit for all hands-free automatic door operators throughout the Facility. All resuscitation rooms, medication rooms, utility rooms, storage rooms and similar usage rooms will be provided with automatic door operators. Additionally, provide hands-free automatic door operators at double doors in corridors dividing departments within the Facility.

7.7.11.2(43) Install approved fire stopping to maintain all fire separations and as required by local Authorities Having Jurisdiction.

7.7.11.2(44) Provide raceways for all wiring and cabling to support, protect and organize all wiring and cabling systems.

7.7.11.2(45) Design raceways to provide ease of access and install with capacity for expansion and change, consistent with the requirements of the equipment and systems that they serve.

7.7.11.2(46) Install all raceways in a neat and secure manner in such a way that it is protected from damage, is not in conflict with mechanical or architectural components and allows for future changes and additions.

7.7.11.2(47) Install low tension wiring, unless otherwise required by applicable codes or Standards, in EMT with steel couplings and connectors and cable trays. Install EMT (or flex) conduits with low tension conductors between individual backboxes of devices (on walls or ceilings) and cable tray. Provide conduits and cable trays for low tension system wiring such that the maximum length of exposed wire between tray and conduit is less than 200 mm.

7.7.11.2(48) EMT will be surface mounted in service rooms, parkades, and concealed in ceiling spaces and partition walls. Use rain tight connectors for surface mounted conduits. Services will not be buried or encased in concrete slabs, except for the following:

7.7.11.2(48)(a) For fire alarm wiring; install in rigid green guard steel conduit if in slab on grade,

7.7.11.2(48)(b) For power wiring to lighting fixtures and receptacles, use rigid PVC conduit where conduit is installed in slab on grade;

7.7.11.2(48)(c) In finished spaces such as exposed concrete stairwells;

7.7.11.2(48)(d) For the wiring of existing cameras in the parkade level the EMT will connect to the cable tray system on the floor above with no less than 200 mm of exposed wire.

7.7.11.2(49) Electrical conduits, whether metal or otherwise will not be embedded in toppings.

7.7.11.2(50) Metal electrical conduits, junctions and fixture boxes and other services that can erode will not be embedded within the concrete slab.

7.7.11.2(51) If EMT conduit is encased in concrete, such conduit runs will:

7.7.11.2(51)(a) be as short as possible; and

7.7.11.2(51)(b) emerge from the concrete in the closest adjacent space above suspended ceilings.

7.7.11.2(52) EMT conduit size will be minimum 21 mm (3/4”), except that minimum EMT conduit size for all communications are 27 mm (1”) in accordance with the Schedule 1 and Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.7.11.2(53) Use flexible conduit for all final connections:

7.7.11.2(53)(a) to devices located above suspended acoustic ceiling tiles; and

7.7.11.2(53)(b) to vibrating equipment, such as transformers and motors.

7.7.11.2(54) Minimum flexible conduit size is 21 mm (3/4”) and maximum length of any flexible conduit run is 1.5 m.

7.7.11.2(55) Armoured cable (BX) may be used only for final connections from concealed junction boxes to lighting fixtures on suspended ceilings. The maximum length of any individual piece of BX cable is 3.0 m.

7.7.11.2(56) Use rigid PVC conduits for the underground portion of services to lighting and power outlets located outside of the Facility.

7.7.11.2(57) Install individual ground conductor in each conduit and/or raceway.

7.7.11.2(58) Provide cable trays for installation of all low-tension wiring for data, telephone, public address and other such communication and IMIT systems.

7.7.11.2(59) Install cable trays from TRs and above all corridors.

7.7.11.2(60) If cable trays pass through walls with fire resistance ratings, provide either removable twist and adjustable (Hilti CP 653 4") or self-sealing (EZ Path Series 44+) mechanism fire stopping system to allow easy installation of cables in the future.

7.7.11.2(61) Cable fill through each fire stop pathway will not exceed 40% of the available internal cross-sectional area.

7.7.11.2(62) Provide and install one (1) additional removal twist and adjustable fire stop pathway as describe above at each location for future use, capable of accepting 40% of the number of cables initially installed at each location.

7.7.11.2(63) The Design-Builder to provide and install at a minimum four (4) either removable twist and adjustable (Hilti CP 653 4") or self-sealing (EZ Path Series 44+) mechanism fire stopping system in all MCC, BCC and TRs fire separations to allow easy installation of cables in the future. Cable fill through each fire stop pathway will not exceed 40% of the available internal cross-sectional area.

7.7.11.2(64) Cable tray will be aluminum or steel wire mesh, ladder type with manufactured fittings. At a minimum, provide continuous #6AWG green insulated copper bond wire in the tray minimum.

7.7.11.2(65) Provide #6AWG green insulated copper bonding jumper between the cable tray and every associated conduit to ensure continuous bond between tray and low-tension raceways.

7.7.11.2(66) Identify all conduits, raceways, pull boxes, and junction boxes using colour bands. Colouring scheme will be determined by the Authority.

7.7.11.2(67) Provide power, lighting, fire alarm, nurse call, paging, BMS, 600-volt systems, etc. with unique colours in accordance with the colouring scheme. Major colour will be 100 mm wide and minor colour will be 50 mm wide.

7.7.11.2(68) Identify raceways with coloured bands using coloured duct tape at intervals of 6 m, plus at the point where the raceway enters a wall or floor (i.e. raceway is identified on both sides of a penetration to facilitate tracing of raceway).

7.7.11.2(69) Colour-code all junction boxes using coloured duct tape on the cover. Neatly identify the relevant system and circuit ID using permanent marker pen. Identify parallel conduit runs at common locations. Indicate the location of conductors encased or embedded in concrete or masonry by acceptable permanent markers set in the walls, floors, or ceilings.

7.7.11.2(70) Provide a 200A, 120/208V, 3 Phase, 4 wire dedicated vital power circuit complete with weatherproof Vandal Resistant lockable disconnect for a Mobile Medical Unit (MMU) in a location to be determined by the Authority. The Design-Builder will locate the disconnect as directed by the Authority.

7.7.11.2(71) All panelboards are to be equipped with colour-coded nameplates as set out in Section 7.7.11.1(7)(e).

7.7.11.2(72) In the Workroom-Biomed, provide receptacles for laser equipment and connect the receptacles to Vital power.

7.7.11.2(73) Provide a "Laser In Use" light above each door to the Workroom-Biomed. Interlock the laser receptacles with the doors to the Workroom-Biomed. Laser will not be energized while the door(s) are open or automatically shut-off when the door(s) open.

7.7.11.2(74) Provide 27mm (1") conduit rough-in from the main electrical room to each future parking payment machine. Refer to Sections 4.6.7.6(1)(b) and 4.6.7.6(2) for locations and quantities.

7.7.11.3 Performance Criteria

7.7.11.3(1) Construct separate raceways or raceways with barriers to isolate systems of different voltages and prevent magnetic interference.

7.7.11.3(2) Design and install raceways without sharp edges or sharp bends so that cables can be pulled in or laid in and removed without damage to the cables. Any bends in raceways not to exceed the soft 90 degree bend in accordance with ANSI/TIA cabling Standards.

7.7.11.3(3) Provide all cable trays with minimum 40% spare (physical space) capacity for the installation of future cables. If multiple raceways are required in a group, such as a duct bank or tray system interconnecting two or more major areas, provide matching empty raceway equal to a minimum of 50% of the capacity of the total installed group.

7.7.11.3(4) Provide a minimum of two (2) spare 103 mm conduits from the main Electrical Room to each sub-distribution room. Provide pull cords for future, and label accordingly.

7.7.11.3(5) Install all conduits in finished areas within finished walls and above finished ceilings.

7.7.11.3(6) Provide bonding conductor within the metallic raceways and bond raceways continuously.

7.7.11.3(7) Provide a minimum of three (3) spare 27 mm EMT conduits from all panelboards to terminate in a 154 mm x 154 mm ceiling mounted junction box. Install smoke seal and pull string for future.

7.7.11.3(8) Not used.

7.7.11.3(9) Provide pull string and smoke seal all spare and unused conduits. Label accordingly.

7.7.11.3(10) All control conduits will be provided and installed by the electrical contractor. The electrical contractor will coordinate all extra-low voltage installations with the mechanical contractor and provide all pathways, junctions, pull boxes complete with pull-strings and labelling.

7.7.11.3(11) The Design-Builder will provide detailed Design and Construction drawings indicating all routing, layouts and single line diagrams to represent all work required to replace, and/or modify all existing electrical equipment and/or devices pursuant to the Review Procedure.

7.7.11.3(12) The Design-Builder will provide detailed Design and Construction drawings indicating all new feeders for panelboards, CDPs and all loads over 100A including conduit runs routing.

7.7.11.3(13) Provide vapor barrier and sealant for Resuscitation Room, AIR and all other negative pressure rooms for all electrical devices, including outlet boxes, light fixtures, device boxes etc. Refer to this Schedule and Appendix 1C [Minimum Room Requirements] for room pressurization requirements.

7.7.12 Lighting

7.7.12.1 Basic Requirements

7.7.12.1(1) The Design-Builder will utilize LED technology for all lighting. Utilize hospital grade luminaires in all Clinical Spaces except specification grade quality luminaires are permissible in normally unoccupied service spaces.

7.7.12.1(2) All luminaires will be selected with emphasis on energy efficiency, aesthetics, glare reduction and high colour rendering.

7.7.12.1(3) All lighting will be dimmable and will provide variable lighting levels to accommodate individual control and comfort. Healthcare luminaires will be appropriate to the unique requirements of each application.

7.7.12.1(4) Provide lighting with UV-C technology lighting (utilizing 250 nm wavelength light) in addition to task and general ambient illumination lighting in the following spaces and room types:

7.7.12.1(4)(a) Emergency: A1.1.4, A1.1.15, A2.2.3, A3.5.1, A3.5.2, A3.14 and A3.15;

7.7.12.1(4)(b) Medical Surgical: B1.2, B2.2.1, B5.2.1, B2.4, B2.4.1, B2.4.2, B5.4.1, B5.4.2 and B7.2;

7.7.12.1(4)(c) Maternity: C1.2, C2.5, C2.5.1, C2.5.2, C2.8.1 and C2.9;

7.7.12.1(4)(d) Pharmacy: D4.4 and D4.7; and

7.7.12.1(4)(e) Retail and Support Services: E4.3.

7.7.12.1(5) For areas or rooms utilizing UV-C lighting, provide controls for ‘disinfection mode’ via the lighting control system. System to be controlled via manufacturer's recommended sensors and interlocks. Provide switch for disinfection mode outside the space or room to activate the ‘disinfection mode’.

7.7.12.1(6) Examination lighting to provide high powered lighting for Patient exams; refer to Appendix 1C [Minimum Room Requirements] and Section 7.7.12 for locations requiring exam lights.

7.7.12.1(7) Task lighting to support a variety of tasks requiring enhanced illumination.

7.7.12.1(8) Provide bedside Staff light for charting and to support caregiver notations on Patient progress at locations listed in Appendix 1C [Minimum Room Requirements], as required in Section 7.7.12.

7.7.12.1(9) Provide night lights to promote overall Patient wellness at locations listed in Appendix 1C [Minimum Room Requirements], as required in Section 7.7.12. All lighting will provide maximum uniformity.

7.7.12.1(10) Provide tunable white lighting fixtures where indicated in Section 7.7.12 and as required in Appendix 1C [Minimum Room Requirements]. Control system will be provided to include a continuous circadian program cycle that will control the tunable white fixtures. An over-ride bypass switch in each room will allow the system to be bypassed to allow for manual control and dimming. The fixtures can easily be returned to the circadian cycle at any time.

7.7.12.1(11) Provide a direct/indirect lighting solution that considers all the necessary lighting levels and illumination required for observation, care and visual task lighting within each space, area and room. Provide a lighting layout as required in Section 7.7.12 and submit the lighting layout in accordance with Schedule 2 [Review Procedure], Appendix 2A [Submittals].

7.7.12.1(12) Provide a distributed lighting system that combines a broad selection of energy-efficient LED luminaires with a sensor that controls the lighting system in compliance with the latest energy codes and collects valuable data about the Facility performance and use.

7.7.12.1(13) Distributed lighting system software applications will provide granular data into information through Energy Dashboards and specialized applications (APPs) that make it simple and help optimize the use of building resources.

7.7.12.1(14) Provide a distributed network of smart LED lighting fixtures with integrated sensing and location technology that captures real-time data.

7.7.12.1(15) Lighting fixtures will be controlled via dual technology occupancy/vacancy and daylight harvesting sensors for all public areas, including general corridors, all Component corridors, waiting areas and similar areas. Provide all hardware, gateways, energy manager, switches, and receptacle relay controllers, wall stations, configuring tools, faceplates and associated low voltage wiring.

7.7.12.1(16) Provide software and integrate into the BMS to provide time of day usage, historical data, and power consumption.

7.7.12.1(17) Provide sufficient allowance to design and develop a web-based application (APP) to provide an integration portal to access data collection.

7.7.12.1(18) Provide Vandal Resistant or Tamper Resistant fixtures as required in Appendix 1C [Minimum Room Requirements] and in other areas as determined and directed by any other specification section or reference document. Provide recessed or surface mounted Tamper Resistant or institutional Vandal Resistant type luminaires, including in the Secure Room and Exam/Treatment Room-Safe.

7.7.12.1(19) All luminaries in Resuscitation Room, Exam/Treatment Room and similar rooms will be NSF2 listed IP65 rated UL certified IP65 per IEC 60598 and K230 rated.

7.7.12.1(20) Provide aesthetically pleasing, exceptional visual comfort luminaires with dimming and scene setting as detailed in this Section.

7.7.12.1(21) Provide aesthetically pleasing specialty lighting for all care team stations, registration desks, kiosks, and other areas of public interface. Specialty lighting will consist of suspended fixtures above Millwork, LED cove lighting in bulkhead and architectural clouds and wall washing down lights for feature walls and similar locations.

7.7.12.1(22) Luminaries will have the following characteristics:

7.7.12.1(22)(a) LED 3000K to 4100K;

7.7.12.1(22)(b) Meet TM21 to Reported Methodology LM-80-08; L80(10k) >50,000 hours;

7.7.12.1(22)(c) CRI90+R90>50 3SDCM for non Patient Care Areas and CRI90+R9>50 2SDCM for Patient Care Areas, except for BIOS luminaires where CRI 80+ is acceptable; and

7.7.12.1(22)(d) Exterior luminaires will be 3000K, have a CRI 80, efficacy 80L/W or better and a BUG rating of B0/U0/G1 at property edge and B3/U0/G1 in general illuminated areas. Lighting for pathways and doors will be on a UPS source.

7.7.12.1(23) Patient Room lighting will accommodate the needs of both Patient and caregiver. Lighting requirements within the Patient Rooms differ based on the task being performed, including testing, Patient examination, charting, reading and Wayfinding. Additionally, the

Patient room will optimize Patient comfort. Provide multi-function lighting, night lighting and bedside Staff lighting.

7.7.12.1(24) Patient Room lighting will consist of a multi-function ceiling mounted luminaire to provide ambient and exam lighting. In addition, provide the following in all Patient Rooms:

7.7.12.1(24)(a) Examination and general area lighting above bed or stretcher with 1% - 100% dimming.

7.7.12.1(24)(b) Dimmable reading lamp;

7.7.12.1(24)(c) General overhead room lighting;

7.7.12.1(24)(d) LED night lights for Wayfinding switched from Patient pillow control and at entrance to room;

7.7.12.1(24)(e) LED charting lights at the Patient service module location to accommodate charting;

7.7.12.1(24)(f) Dimmable down lights for Patient visitors zone separately switched for convenience;

7.7.12.1(24)(g) Separately switched wall mounted vanity luminaire above all Patient ensuite washroom sinks and a separately switched dimmable down light above the water closet.

7.7.12.1(25) Corridors, Alcove-Observation areas and care team station and similar area lighting will meet the following requirements:

7.7.12.1(25)(a) Sealed for infection control;

7.7.12.1(25)(b) Appropriately placed lighting for tasks;

7.7.12.1(25)(c) Wayfinding capabilities;

7.7.12.1(25)(d) Dependable and effective signage, exit and emergency lighting;

7.7.12.1(25)(e) Provide suspended pendant mounted fixtures mounted above the care team station desk and similar locations including Workstation-Registration;

7.7.12.1(25)(f) Provide LED cove lighting in all ceiling bulkheads, architectural ceiling features, above the care team station areas and similar locations;

7.7.12.1(25)(g) Not used;

7.7.12.1(25)(h) Provide master override dimming control in all care team stations for at minimum one (1) fixture in all Patient Rooms and Alcove-Observation areas;

7.7.12.1(25)(i) Provide master override dimming control in all Alcove-Observation areas to control at least one (1) fixture in all Patient Rooms and Alcove-Observation areas; and

7.7.12.1(25)(j) Corridor lighting will ease the lighting level transitions to adjacent areas.

7.7.12.1(25)(k) Not Used.

7.7.12.1(25)(l) Provide down lights in alcoves and similar locations to deliver soothing corridor illumination.

7.7.12.1(25)(m) Provide under workstation task lights underneath all upper Millwork cabinets and as required by Appendix 1C [Minimum Room Requirements]. Workstation task lights will support a variety of caregivers' duties; refer to Appendix 1A [Clinical Specifications and Functional Space Requirements]. In some cases the Design-Builder may provide ceiling pot lights in lieu of workstation task lights as determined by the Authority.

7.7.12.1(26) The Design-Builder will provide recessed wall washing down lights for architectural feature walls such as where artwork is located, Indigenous Peoples artwork areas or for donor recognition areas.

7.7.12.1(27) The Design-Builder will provide surgical lighting in the Resuscitation Room to meet the following requirements:

7.7.12.1(27)(a) Not used;

7.7.12.1(27)(b) Mitigation of electromagnetic interference (EMI);

7.7.12.1(27)(c) Sealed and gasketed for infection control;

7.7.12.1(27)(d) Dimmable LED technology for enhancing operational safety and Patient control;

7.7.12.1(27)(e) Designed for ease of maintenance;

7.7.12.1(27)(f) Healing lights to optimize Patient comfort; and

7.7.12.1(27)(g) Provide aesthetically pleasing, exceptional visual comfort, dimming and scene setting with zone controller in two locations within the room.

7.7.12.1(28) The Design-Builder will provide Patient Room, Exam Rooms, Delivery and Maternity rooms, Exam/Treatment Rooms, Exam/Treatment Bays and similar Patient care area lighting to meet the following requirements:

7.7.12.1(28)(a) Sealed and gasketed or infection control;

7.7.12.1(28)(b) Multi-function capability;

7.7.12.1(28)(c) Wall finding capabilities;

7.7.12.1(28)(d) Aesthetic appeal;

7.7.12.1(28)(e) Ease of maintenance and cleanability; and

7.7.12.1(28)(f) Dimmable lighting.

7.7.12.1(29) Provide luminaires and light sources that enhance safety and allow personnel to circulate throughout spaces and perform required tasks.

7.7.12.1(30) Design lighting with the objective of creating a comfortable working environment and an environment conducive to healing and recovery.

7.7.12.1(31) Lighting will comply with all illumination levels, minimum/maximum ratios and all other characteristics recommended by the CSA Standard Z317.5-17 Illumination Systems in Health Care Facilities and ANSI/IESNA RP-29-16.

7.7.12.1(32) Maximum lighting power density levels will be lower than the latest adopted version of the ASHRAE Standard 90.1 by 20% and the lighting installation will enable the Authority to complete the Facility operations described in this Schedule, including Appendix 1A [Clinical Specifications and Functional Space Requirements].

7.7.12.1(33) Provide an extra-low voltage fully programmable lighting controller complete with power management system. Provide extra-low voltage occupancy, vacancy, daylight sensor, dimmers and switches where lighting control will be extra-low voltage; otherwise low voltage sensors may be utilized. Provide connections to the BMS and energy management system.

7.7.12.1(34) The Design-Builder will provide a dedicated colour-selectable (RGB) LED lighting system to meet the following requirements:

7.7.12.1(34)(a) On the exterior facades of the north and south exit stairs of the Facility. The exact location will be determined in consultation with the Authority;

7.7.12.1(34)(b) The colour-changing lighting system will have preset colour selections from a central location in the Facility as determined during the Design phase by the Authority, as well as three inputs with one for yellow, one for blue and one for pink from the nurse call system. Inputs from the nurse call system will illuminate for 1 minute and then shut off automatically;

7.7.12.1(34)(c) Provide coloured illumination against walls and ceilings in an unobtrusive manner inside the Facility. Install lighting in such a way that when illuminated there is minimal glare to occupants or pedestrians;

7.7.12.1(34)(d) For the exterior, provide direct-view (daylight visible) fixtures with dimmed output for night as necessary to prevent over-illumination and avoid creating a source of glare for pedestrians and drivers;

7.7.12.1(34)(e) Coloured illuminated areas will be evenly lit, utilizing widespread distribution rather than spot or narrow distribution fixtures; and

7.7.12.1(34)(f) Provide LED color changing strip lighting outside the Care Team Station (CTS) on Levels 2 and 3 along the top of the CTS millwork on the ceiling.

7.7.12.1(35) Provide an electrically connected LED sign "Laser In Use" above each door to the Workroom-Biomed and an internally illuminated inside the space switch for controls. The switch will have factory printed characters "Laser". This switch will be interlocked with the laser equipment such that the equipment will not operate with the switch in the "OFF" position. The internal illumination of the switch will be "ON" only when the "Laser In Use" sign is illuminated. The "Laser In Use" sign will be interlocked with the doors to the Workroom-Biomed as noted in 7.7.11.2(73). Connect the "Laser In Use" sign to Vital power.

7.7.12.2 Performance Criteria

7.7.12.2(1) Provide luminaires that require minimal cleaning and permit practical and easy access and disassembly. All luminaries will be ULC listed, provided with anti-microbial finish, and rated for

intended usage. Provide infection control rated luminaires throughout all Clinical Spaces.

7.7.12.2(2) Minimize use of battery-operated emergency lighting. Battery-operated emergency lighting may only be used where approved as an acceptable alternative by the Authority to provide a second level of emergency lighting in certain areas such as;

7.7.12.2(2)(a) Resuscitation Room;

7.7.12.2(2)(b) Acute Treatment Rooms (Including Bariatric, Isolation and Safe);

7.7.12.2(2)(c) Secure rooms;

7.7.12.2(2)(d) Decontamination Exam Suite;

7.7.12.2(2)(e) Electrical Rooms, mechanical areas and

7.7.12.2(2)(f) Other areas determined and directed by any other specification section or reference document, code or standard.

7.7.12.2(3) Remote heads for battery-operated emergency lighting will utilize LED technology.

7.7.12.2(4) Connect, at a minimum, 20% of the lighting in Clinical Spaces and rooms and areas used by the public to the UPS system.

7.7.12.2(5) No area will have luminaires circuited from only one (1) power source. Circuit the luminaires in all interior and exterior areas from both UPS and vital power so that if one (1) power source is not available emergency light levels are met. Controls for lighting on different sources will be integrated; separate switching for each source is not permitted.

7.7.12.2(6) Provide recessed Tamper Resistant or institutional Vandal Resistant type luminaires to promote harm prevention at locations described in Appendix 1C [Minimum Room Requirements] and in other areas as determined by the Authority or as otherwise required by this Schedule.

7.7.12.2(7) Tamper Resistant type luminaires will be durable with minimum 16-guage housing, high impact resistant clear polycarbonate lenses (6 mm thick) with Tamper Resistant hardware and designed to be Ligature Resistant.

7.7.12.2(8) Institutional Vandal Resistant type luminaires will provide a maximum security & durable construction with minimum 14-gauge housing, high impact resistant clear polycarbonate lenses (9.5 mm thick) with Tamper Resistant hardware and designed to be Ligature Resistant.

7.7.12.2(9) Vandal Resistant lighting fixtures will be provided in the Emergency Department Secure Room.

7.7.12.2(10) Utilize recessed batwing illumination pattern or indirect LED luminaries in offices, registration areas, care team stations and other areas where computer workstations terminals and similar monitors or screens are present; refer to Appendix 1A [Clinical Specifications and Functional Space Requirements] and Appendix 1J [Equipment List]. Provide lighting control in accordance with ASHRAE 90.1 latest adopted addition.

7.7.12.2(11) Provide dual technology occupancy sensors with manual on/auto off dimmers in offices.

7.7.12.2(12) Utilize 0% - 100% dimming control and daylight dimming wherever lighting is adjacent to exterior glazing.

7.7.12.2(13) Design lighting in meeting rooms and multipurpose rooms to maximize viewing of monitors and screens and provide suitable vertical and horizontal illumination of people being viewed. Provide fully dimmable tunable white lighting with switching to allow for general and ambient lighting selection. Refer to Appendix 1C [Minimum Room Requirements] for meeting room size definition and Appendix 1E [Authority Communications Infrastructure Standards & Specifications] for specific meeting room requirements based on room size.

7.7.12.2(14) Provide special task lighting designed for the types of procedures conducted for rooms and areas where treatment is provided, including medication rooms, care team stations and rooms and areas where specialized analytical or diagnostic work is carried out, such as; Workroom-Biomed, SRMC Patient Rooms, Exam Room-Triage, Triage/Observation, Resuscitation Room, Exam/Treatment Room and similar rooms.

7.7.12.2(15) As architectural features, design lighting in main lobbies, waiting areas, and Staff lounges with high quality products aesthetically pleasing to the public and Staff. Staff Lounges and similar spaces will have multiple switching and dimming controls. Wall sconces will be ADA compliant and will be an LED 0%-100% dimming fixture.

7.7.12.2(16) Where Patients are being transferred and/or lying on a stretcher or bed provide batwing illumination pattern or indirect lighting with a UGR rating of 16 or lower (or approved alternate) to limit glare to Patients. In waiting rooms, Staff work areas, meeting rooms and similar use spaces, provide lighting with a UGR of 19 or lower.

7.7.12.2(17) Where Patients are being transferred and/or lying on a stretcher or bed lighting will be separately controlled by a master multi-zone low voltage dimming station located at the associated care team station and any adjacent Alcove-Observation areas.

7.7.12.2(18) Provide LED workstation task lights under all Millwork upper cabinets on a dedicated toggle switch. Lights will also be switched on/off with general room lighting.

7.7.12.2(19) Provide LED light hand hygiene sink lights at locations described in Appendix 1A [Clinical Specifications and Functional Space Requirements]; lights will be switched on/off with room lighting or provided with dedicated on/off switch. Review the design approach with the Authority for approval.

7.7.12.2(20) Utilize daylight dimming for lighting at all exterior glazing.

7.7.12.2(21) Lighting controls will comply with ASHRAE 90.1 requirements as a minimum. Occupancy and vacancy sensors will be dual technology and designed for the application in which they are used.

7.7.12.2(22) Provide luminaires and light sources that enhance safety and allow Staff to circulate throughout spaces and perform required tasks.

7.7.12.2(23) Lighting level for surface parking areas will comply with IESNA RP-20-14 Lighting for Parking Facilities and CSA Z317.17 Illumination Systems in Health Care Facilities.

7.7.12.2(24) Exterior luminaires will be LED Vandal Resistant and have full cut off.

7.7.12.2(25) Lighting Design will consider the light pollution reduction requirements as outlined in LEED to eliminate light trespass from the building and Site, improve night sky access and reduce development impact on nocturnal environment. Fixtures for exterior area will be mounted at a height no more than 10m above ground surface being illuminated.

7.7.12.2(26) Utilize LED type edge lit green pictogram exit signs in finished areas, and steel in unfinished areas. All exit signs will be LED type powered by the vital system. Provide exit signs as required by code. Additional exit signs will be provided to provide Wayfinding to

all exit doors and paths of egress from all internal corridors and corridor intersections. Provide direction to two (2) paths of egress from corridors and intersections.

7.7.12.2(27) Room and Area Specific Lighting Requirements:

7.7.12.2(27)(a) Resuscitation Room

(a).1 Provide illumination as recommended by CSA standard Z317.5-17 Illumination Systems in Healthcare Facilities. Provide minimal luminance contrast between zones to allow Staff to work effectively and in maximum comfort for extended time periods. Design Resuscitation Room lighting and controls to be dividable to allow for two (2) Patient bay locations. Provide optical systems Design to achieve maximum luminance uniformity between all three zones;

(a).2 Provide IP65 rated UL certified IP65 per IEC 60598 and K230 rated luminaires suitable for a "Clean Room" environment;

(a).3 Luminaires will meet the MIL Standard 461E/462/463 for EMI and RF. Filter to eliminate RFI from power supply and line feedback. Minimum attenuation 30 to 60dB common and transverse mode;

(a).4 Connect Surgical Procedure Lights to the UPS branch;

(a).5 Provide infrastructure services (power, raceway, grounding, wiring, etc.) for all special lighting provided by vendors; Appendix 1J [Equipment List]. The Design-Builder to install, set-up, test and commission all Authority supplied equipment. Provide all necessary devices/equipment and provide all connections and installation in accordance with manufacturers requirements;

(a).6 Provide dimmable down lights or 1’ x 4’ recessed luminaires around the perimeter of the room;

(a).7 Provide separately switched 1%–100% dimmable down lights above the Staff workstations, anaesthetist’s work area and storage areas;

(a).8 Provide dimmable LED surgical luminaires above the surgical field at each Patient bay.

Connect these luminaires to the vital and UPS branch; and

(a).9 Provide, at a minimum, a 6-zone lighting controller to provide preset lighting zones to control all general lighting at each Patient bay. Locate, at a minimum, 1 master and 2 slave controllers located at nurses' desk and entrances to rooms.

7.7.12.2(27)(b) Offices, Workroom and Interview Rooms

(b).1 The rooms in this section include Counselling, Police/EMS Office, Quiet Room, Consulting Room and Holding Rooms;

(b).2 Provide uniformly luminous, recessed mounted batwing illumination pattern or indirect luminaires;

(b).3 Position ceiling luminaires to avoid direct and reflected glare;

(b).4 Provide dimming lighting controls, dual technology occupancy sensors with manual on/auto off and daylight sensing when adjacent to exterior glazing. Provide dimming in specific rooms as noted in Appendix 1C [Minimum Room Requirements];

(b).5 Provide under counter luminaires above sinks and under upper cabinetry for Authority review in accordance with Schedule 2 [Review Procedure], Appendix 2A Submittals, as in some cases supply and installation of ceiling pot lights may be preferred. Provide separate switching for these lights;

(b).6 Manually adjustable colour temperature variability across a range from **2700** °K to **5000** °K. All fixtures in the room will change color at the same rate, same color from two locations; at the labouring Patient bed and at clinical zone; and

(b).7 Dimming from a maximum lighting intensity at 1000lux average down to a minimum of >1%, plus OFF.

7.7.12.2(27)(c) Staff Lounge and Locker Rooms

(c).1 For the Staff lounge area provide uniformly luminous, recessed mounted batwing illumination pattern or indirect luminaires;

(c).2 For the locker room areas provide 1’x4’ or 2’x4’ ceiling mounted recessed lights with antimicrobial finish.

(c).3 Provide ceiling mounted dual technology occupancy sensor in locker room areas; dimming manual on auto off for Staff lounge areas

7.7.12.2(27)(d) Meeting Rooms (including Multipurpose Room/EOC)

(d).1 The rooms in this section include the Multipurpose Room-Family;

(d).2 Provide uniformly luminous, recessed mounted batwing illumination pattern or indirect luminaires or linear luminaries with down lights around the perimeter. Provide appropriate luminaires where videoconferencing will take place to illumine faces while minimizing glare;

(d).3 Luminaires to utilize tunable white technology;

(d).4 Position ceiling luminaires to avoid direct and reflected glare;

(d).5 Provide dimming and colour tunable lighting controls, dual technology occupancy sensors with manual on/auto off and daylight sensing when located with exterior windows; and

(d).6 Provide under counter luminaire above sinks and under upper cabinetry. Provide separate switching for these lights, these lights will turn off with the main room lighting; and

(d).7 Provide six zone lighting controllers to provide pre-set lighting zones as determined in consultation with the User Consultation Groups.

7.7.12.2(27)(e) Tub/Shower Rooms

(e).1 Provide dimmable ceiling mounted recessed lights and wall mounted ADA compliant sconces with antimicrobial finish and be IP 66 rated.

(e).2 Lights to be installed to eliminate glare from tub location.

(e).3 Manually adjustable colour temperature variability across a range from 2700°K to 5000 °K. All fixtures in the room will change color at the same rate;

(e).4 Dimming from a maximum lighting intensity at 500lux average down to a minimum of >1%, plus OFF; and

(e).5 Provide controls for dimming at room entry and near tub location.

7.7.12.2(27)(f) Public areas including registration, waiting, lobby and seating areas

(f).1 Provide decorative lighting for visual interest, and lighting that illuminates feature wall and specialty signage, design features, and special features of the area;

(f).2 Wall sconces will comply with ADA requirements; and

(f).3 Provide low voltage master controls and dimmers at registration, care team stations and other similar Staff areas not available to the public for lighting controls for these areas. Provide master dimmable control of all corridors, stretcher bays and general area lighting.

7.7.12.2(27)(g) Care Team Stations

(g).1 The rooms in this section include Workstation-Unit Clerk, and Care Team Station-Satellite;

(g).2 Provide batwing illumination pattern or indirect recessed lighting and down lighting;

(g).3 All lighting will be dimmable;

(g).4 Provide decorative lighting;

(g).5 Provide specialty lighting;

(g).6 Not Used

(g).7 Provide dual technology occupancy sensors with manual on/auto off and daylight sensors when located with exterior windows;

(g).8 Provide dimming controls for the corridor holding bays, stretcher bays and care team station lighting at the care team stations;

(g).9 Provide an override on/off dimmer switch for all Patient bay lighting at the care team stations; and

(g).10 Provide master dimming controls for at a minimum one (1) luminaire within Patient Rooms.

7.7.12.2(27)(h) Staff and Public Washrooms

(h).1 Provide down lighting for general illumination and aesthetically pleasing vanity light above sink; and

(h).2 Provide ceiling mounted dual technology occupancy sensor.

7.7.12.2(27)(i) Front of House and Back of House Corridors

(i).1 In Front of House publicly accessible corridors, provide batwing illumination pattern or indirect recessed lighting and in Back of House corridors not accessible by the public provide lensed recessed lighting;

(i).2 Provide daylight dimming sensors for corridors with exterior glazing. Provide dimming controls of corridors. Lighting in corridors will be reduced to 50% at each fixture during night time except where directed otherwise by the Authority; and

(i).3 Corridor lighting will be 20% UPS power, 80% vital power. UPS powered luminaires will be located at corridor intersections and corners.

7.7.12.2(27)(j) Acute Exam/Treatment (including AIR and Bariatric-AIR rooms), Exam/Treatment HEENT and Treatment Stretcher rooms

(j).1 The rooms in this section include Cast Room and Gynecology Rooms;

(j).2 Provide two (2) asymmetrical 1'x4' (flanking the Patient bed) or one 2'x4' ceiling mounted Patient exam lights with antimicrobial finish. Patient exam room lights will function as exam light and ambient light with no glare and be architecturally pleasing;

(j).3 Provide an amber LED nightlight that is switched inside the room at the entrance from the corridor and through the Patient-controlled nurse call pillow speaker;

(j).4 Mount and connect Authority supplied Patient exam light, ceiling mounted and articulating;

(j).5 Provide separate controls for the Patient exam fixtures at each of the following locations:

(j).5.1 inside the room at the entrance from the corridor; and

(j).5.2 the Patient service module.

(j).6 Provide a vanity luminaire above all hand hygiene sinks in Patient rooms separately switched; refer to Appendix 1C [Minimum Room Requirements].

7.7.12.2(27)(k) Patient Rooms (including Isolation, Shared, AIR and Bariatric)

(k).1 Provide two (2) dimmable, asymmetrical, 1'x4' (flanking the Patient bed) or one (1) dimmable

2'x4' ceiling mounted Patient exam lights with antimicrobial finish. These lights will utilize bios dynamic solution circadian rhythm technology;

(k).2 Patient exam room lights will function as exam light and ambient light with no glare and be architecturally pleasing. Include for a dimmable reading function in the fixture(s);

(k).3 Provide two (2) amber LED night lights that are switched and dimmed inside the room at the entrance from the corridor, in the Anteroom (for AIR) and through the Patient-controlled nurse call pillow speaker or Patient service module system;

(k).4 Provide a visitor light which will be a dimmable, down lighting located in the family zone;

(k).5 Provide separate dimming controls for all fixtures separately at the following locations:

(k).5.1 inside the room at the entrance from the corridor;

(k).5.2 the Patient service module;

(k).5.3 the Patient-controlled nurse call pillow speaker; and

(k).5.4 the anteroom for AIR.

(k).6 Provide at a minimum at least one (1) fixture within the Patient room to be controlled from the Staff observation alcove;

(k).7 Provide task lighting in the respective anteroom and general area recessed lighting.

(k).8 Recessed fixture above the hand hygiene sink on separate switch;

(k).9 LED charting lights at the Patient service module location to accommodate charting; and

(k).10 Circadian rhythm lighting will be automatic with manual temporary override at Patient service module.

7.7.12.2(27)(l) Patient Ensuite Washrooms (including Bariatric, Shared, Isolation, AIR and Maternity)

(l).1 Provide an amber LED night light in each Patient Washroom that is not switched. Night light to illuminate on photocell only;

(l).2 Provide a dimmable aesthetically pleasing vanity light over the sink and dimmable general area lighting utilizing down lights switch together; and

(l).3 For Patient washrooms with a shower and without radiant heat in the ceiling, provide a heat lamp recessed fixture on a timer.

7.7.12.2(27)(m) Maternity Services Unit Patient Rooms (including AIR, Bariatric and Women's Health)

(m).1 Provide two dimmable, asymmetrical, 1'x4' (flanking the Patient bed) or one dimmable 2'x4' ceiling mounted Patient exam lights with antimicrobial finish at the labouring Patient zone. Patient exam room lights will function as exam light and ambient light with no glare and be architecturally pleasing;

(m).2 Provide dimmable bedside Staff light for Staff charting and sterile delivery set-up of the room in the Staff zone;

(m).3 Provide dimmable indirect lighting at bassinette and neonatal assessment areas;

(m).4 Provide a ceiling mounted perinatal exam light at the foot of the bed (not required in Patient Room – Private SRMC: instead, provide connection to Authority-supplied ceiling-mounted articulating perinatal exam light located at the foot of the bed);

(m).5 Provide two (2) amber LED night lights that are switched and dimmed inside the room at the entrance from the corridor, in the anteroom and through the Patient-controlled nurse call pillow speaker or Patient service module system;

(m).6 Provide dimmable down lighting at family areas;

(m).7 Provide separate dimming controls for all fixtures separately at the following locations:

(m).7.1 inside the room at the entrance from the corridor;

(m).7.2 the bassinette and neo-natal assessment area;

(m).7.3 the Patient-controlled nurse call pillow speaker;

(m).7.4 the anteroom for AIR;

(m).8 Provide effective illumination with colour tunable lighting fixtures and control system in each room;

(m).9 Manually adjustable colour temperature variability across a range from 2700 °K to 5000 °K. All fixtures in the room will change color at

the same rate, same color from two locations; at the labouring Patient bed and at clinical zone;

(m).10 Dimming from a maximum lighting intensity at 1000lux average down to a minimum of >1%, plus OFF; and

(m).11 Recessed down light above the hand hygiene sink on a dedicated switch.

7.7.12.2(27)(n) Nursery Rooms

(n).1 Provide two (2) dimmable, asymmetrical, 1'x4' (flanking the Patient bed) or one (1) dimmable 2'x4' ceiling mounted Patient exam lights with antimicrobial finish. These lights will utilize bios dynamic solution circadian rhythm technology;

(n).2 Patient exam room lights will function as exam light and ambient light with no glare and be architecturally pleasing. Include for a dimmable reading lamp in the fixture(s);

(n).3 Provide two amber LED night lights that are switched and dimmed inside the room at the entrance from the corridor, in the anteroom and through the Patient-controlled nurse call pillow speaker or Patient service module system;

(n).4 Provide dimmable down lighting at visitor areas. These lights will utilize bios dynamic solution circadian rhythm technology;

(n).5 Provide separate dimming controls for all fixtures separately at the following locations:

(n).5.1 inside the room at the entrance from the corridor;

(n).5.2 the Patient service module; and

(n).5.3 the Patient-controlled nurse call pillow speaker.

(n).6 Circadian rhythm lighting will be automatic with manual temporary override at Patient service module;

(n).7 Provide effective illumination with bios-dynamic dimmable lighting and control system in each room;

(n).8 Manually adjustable colour temperature variability across a range from 2700 °K to 4000 °K. All fixtures in the room will change color at the same rate, same color from two locations: at the labouring Patient bed and at clinical zone;

(n).9 Dimming from a maximum lighting intensity down to a minimum of >1%, plus OFF. Dimming

controls to be automated for the first 20% where the blue light is reduced and the lighting level is maintained. The remaining 80% will be manually adjusted with controls over the light level while the color temperature CCT is at 2700K; and

(n).10 Recessed down light above the hand hygiene sink on a dedicated switch.

7.7.12.2(27)(o) Secure Room

(o).1 Provide ceiling recessed, Vandal Resistant, Ligature Resistant and dimmable luminaires;

(o).2 All dimmer switches for lighting in secure room will be located in the Anteroom; and

(o).3 Locate luminaires away from other equipment that could assist in gaining access.

7.7.12.2(27)(p) Washroom-Patient for the Secure Room

(p).1 A3.15 Washroom/Shower-Patient-Bariatric will be used to serve a Patient who is located in the Secure Room;

(p).2 Provide Vandal Resistant amber night lights at low level with photocell control such that when lights are turned on in washroom, night light turns off automatically. Night light will be located near the water closet and sink such that water closet and sink are visible without turning on ceiling light; and

(p).3 Provide flush ceiling mounted Vandal Resistant vanity lighting.

7.7.12.2(27)(q) Exam Rooms and Similar Rooms

(q).1 The rooms in this section include Treatment Stretcher Bays, Treatment Chair area, Ambulance Stretcher, Triage rooms;

(q).2 Provide dimmable, asymmetrical, batwing illumination pattern or indirect 1’x4’ or 2’x4’ ceiling mounted recessed lights with antimicrobial finish. The fixtures will dim 10-100%; and

(q).3 Provide connection and controls for Patient Exam Light.

7.7.12.2(27)(r) Storage and Utility Rooms

(r).1 The rooms in this section include Mechanical Rooms and spaces, Electrical rooms, IMIT Rooms, Receiving Areas, Housekeeping, Storage rooms;

(r).2 Provide LED strip lighting, surface or chain hung, with wire protection cage where no dropped ceiling exists; otherwise provide 1'x4' or 2'x4' recessed asymmetrical ceiling mounted lights with antimicrobial finish; and

(r).3 Provide extra-low voltage on/off switch programmed to sweep of at midnight.

7.7.12.2(27)(s) Cart Washing and Cart Marshalling Rooms

(s).1 Provide asymmetrical 1'x4' or 2'x4' ceiling mounted recessed lights with antimicrobial finish. The fixtures will be IP 66 rated; and

(s).2 Provide extra low voltage on/off switch with dual technology vacancy sensor.

7.7.12.2(27)(t) Gift Shop and Coffee Shop Rooms

(t).1 Provide dimmable, asymmetrical, batwing illumination pattern or indirect 1'x4' or 2'x4' ceiling mounted recessed lights;

(t).2 Provide pot lights over retail point of sales and sales counters; and

(t).3 Provide extra low voltage on/off switch with dual technology vacancy sensor.

7.7.12.2(27)(u) Alcoves

(u).1 Provide dimmable ceiling mounted recessed down lights; and

(u).2 Control to be identical to adjacent corridor lighting.

7.7.12.2(27)(v) Surface Parking Lighting

(v).1 Provide LED fixtures suitable for above-ground parking use with low glare;

(v).2 Control surface parking lighting to meet ASHRAE 90.1 requirements; and

(v).3 Provide parking lot lighting selection criteria and parking lot lighting illuminance levels in accordance with the Canadian Parking Association CPA ACS Technical bulletin No. 8 Parking Lighting IESNA RP-20-14 Lighting for Parking Facilities and CSA Z317.17 Illumination Systems in Health Care Facilities and all other referenced criteria.

7.7.12.2(27)(w) Exterior Lighting

(w).1 Provide LED fixtures suitable for exterior use with full cut off and Vandal Resistant. Provide

low level lighting, bollards, wall mounted and post top lighting where needed to provide safe, well-lit walkways, parking areas and roads;

(w).2 Exterior lighting will be connected to the vital and normal power sources. Mix lighting sources so no area is dark with loss of one source of power; and

(w).3 Connect exterior lighting to the BMS system. Exterior lights will be controlled via astronomical time clock and photocell in accordance with ASHRAE 90.1 requirements.

7.7.13 Lighting Control

7.7.13.1 Basic Requirements

7.7.13.1(1) Lighting controls to comprise a significant part both of the energy management of the facilities and of the flexibility required to adjust lighting to suit functions and activities.

7.7.13.1(2) Lighting control to permit simple and integrated control of lighting; controls will be easily operated and located for each area and function in consultation with the Authority.

7.7.13.1(3) Lighting controls are to meet or exceed ASHRAE 90.1 requirements with additional daylight harvesting requirements noted in this Section.

7.7.13.1(4) The extra-low voltage lighting control system will be fully programmable and have 20% spare capacity in the panels and scanners.

7.7.13.1(5) All of the lighting in a room will be switched at all entrance(s) to the room. Rooms with two (2) or more entrance doors noted in Appendix 1C [Minimum Room Requirements] will be switched at both door locations.

7.7.13.1(6) Common areas such as corridors will be controlled by the Staff and through the BMS. Do not provide local controls where they are accessible to the public.

7.7.13.1(7) Integrate the lighting control system with the Building Management System for remote control of the lighting and energy management.

7.7.13.1(8) Provide Staff and Patients with the means to control the lighting in their environment. All Clinical Spaces will have Staff and Patient lighting control. All other rooms will have Staff lighting control.

7.7.13.1(9) Provide Patients with the means to control the lighting levels in their room or bay directly and easily from their bed or stretcher.

7.7.13.1(10) Dual technology occupancy sensors, vacancy sensors and daylight dimming control systems will be utilized to maintain light levels at levels based upon the occupancy of the room and the quantity of daylight. On/Off daylight controls are not permitted; daylighting will be fully dimmable.

7.7.13.2 Performance Criteria

7.7.13.2(1) Where lighting controls are required to be in areas accessible to the public, they will be protected from unauthorized operation. Corridor lighting controls will be located at the care team stations and registration desks, where applicable. Controls will be dimmable (to provide a lower light level at night) and capable of overriding the BMS night setback control. There will be no night setback in the Emergency Department.

7.7.13.2(2) Lighting control system will be interfaced to the Building Management System to permit override ‘100% on’ and night set back control. Lighting program will be established by the Authority and the Design-Builder to address different conditions such as power outage, security events and fire alarm activation.

7.7.13.2(3) All manually operated lighting controls will be of a type which can be completely cleaned and disinfected without requiring any disassembly. Manually operated controls will not deteriorate or otherwise be adversely affected by frequent cleaning and disinfections.

7.7.13.2(4) Lighting controls in locations where they may be subjected to excessive moisture or to chemicals that might cause deterioration will be rated specifically for the application.

7.7.13.2(5) Locate all lighting control panels and relay devices within Electrical Rooms or as indicated 7.7.4.2(33), and not within ceiling spaces. It is acceptable to mix lighting and power loads in a common panel provided that the ASHRAE 90.1 requirements, and spare electrical and physical capacities as set out in this Schedule 1, are met.

7.7.13.2(6) Provide lighting control schedules that respond to individual departmental requirements and occupancy/use. Design a schedule of lighting control and include in the Design and Construction Specifications.

7.7.13.2(7) Lighting in open areas and common areas will be zoned and subdivided to permit energy management control and variation of light levels.

7.7.13.2(8) Provide zone control of lighting for all corridor, circulation, waiting and gathering areas. Zoning control will include floor by floor and department by department, as a minimum. Provide master switches to control groups of lighting zones with the capability of direct on/off control or on/flick-then-off control ('flick-then-off' function is that the lights will flick prior to turning completely off). Any master switch which could cause an occupant to be left in the dark will have the 'flick-then-off' warning function.

7.7.13.2(9) Dual technology occupancy sensors in ceilings will be automatic on/off type and will control room lighting only.

7.7.13.2(10) Dual technology occupancy sensors on the wall will be manual on/automatic off type and will control lighting only.

7.7.13.2(11) Vacancy sensors, a subset of occupancy sensors, manual on/off/dimming, automatic off type.

7.7.13.2(12) Daylighting controls will be provided for all lighting in all rooms, areas or spaces adjacent to exterior glazing and to provide dimming to 0% of fixture output. Provide combination daylight harvesting and occupancy control to the rooms exposed to daylight and requiring occupancy sensors.

7.7.13.2(13) Daylighting to meet the following performance criteria:

7.7.13.2(13)(a) The average luminance across a representative portion of the task surface will be at least 30% of the target design level for that space type within 5 m of the daylight source; and

7.7.13.2(13)(b) Overhead lights within the space will be dimmed as low as possible (or turned off) while satisfying above criteria (a).

7.7.13.2(14) Occupancy sensors and daylighting controls will be extra-low or line voltage type. Extra-low voltage will be integrated into the lighting control system and located on ceilings to avoid interference with furniture. Occupancy sensors will typically be dual technology with other types to suit application.

7.7.13.2(15) Exterior lighting will be controlled via BMS and photocell.

7.7.13.2(16) The Design-Builder will meet all the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.7.14 Energy Management

7.7.14.1 Basic Requirements

7.7.14.1(1) Provide an integrated energy management system to monitor, record, analyse, report on and control Energy Consumption from all sources that supply energy to the Facility. This system will be connected to the BMS. Refer to Section 7.7.7 Metering, of this Schedule.

7.7.14.1(2) Design the system to provide sufficient information to enable the Authority to make Facility-wide “demand-side management” decisions relating to overall energy demand, with the intent of reducing overall Energy Consumption and demand throughout the Facility. Incorporate data from the digital meters required by Section 7.7.7 Metering, of this Schedule. Provide and coordinate with the Authority’s Representative to provide an IP address for energy management monitoring capabilities.

7.7.14.1(3) Provide a system and equipment that is flexible, controllable, and will form an integral part of the Facility.

7.7.14.2 Performance Criteria

7.7.14.2(1) Design the energy management system to be accessible from any networked computer using appropriate software.

7.7.14.2(2) Provide a minimum of five site software licenses if licensing is required.

7.7.15 Mechanical Equipment Connections

7.7.15.1 Basic Requirements

7.7.15.1(1) Provide electrical power, control and monitoring connections to all mechanical equipment as required for proper operation, protection and maintenance of the equipment. Materials and installation methods will result in safe, reliable and serviceable mechanical equipment and systems in the Facility.

7.7.15.2 Performance Criteria

7.7.15.2(1) Utilize institutional or industrial quality cables, connectors, conduit systems, fittings and hardware used to make connection to

mechanical equipment to provide for high levels of reliability, durability and ease of maintenance of the equipment.

7.7.15.2(2) Design connections made to motors and/or motor driven equipment or equipment with noticeable levels of vibration to accommodate the vibration.

7.7.15.2(3) Design connections to mechanical equipment to easily permit removal and replacement of the equipment.

7.7.15.2(4) Size motor control centres, main feeders to motor control centres, and CDPs feeding mechanical equipment to accommodate the current mechanical equipment with an additional 40% spare capacity.

7.7.15.2(5) Provide variable frequency drive (VFD) starters for mechanical equipment whenever possible. Locate VFDs in close proximity to load and group with other VFDs. Label all VFDs with source name, voltage, circuit number and load name.

7.7.15.2(6) Utilize motor control centres when 3-phase motors that require a starter are located within 50 m of each other.

7.7.15.2(7) Provide integral harmonic cancellation devices to limit harmonics to 5% current harmonics (iTHD) of the full load fundamental current if solid-state starters are employed.

7.7.15.2(8) Starters and motor control centers will be indoor sprinkler-proof, type 2 enclosures. Arc Flash reducing type will be utilized for 600V motor control centers.

7.7.15.2(9) Starters or motor control centers connected to essential and conditional power will be coloured to match the corresponding system colour. All interiors will be white.

7.7.15.2(10) Electrical connections and power-paths to mechanical equipment will reflect the redundancy considerations of the corresponding mechanical system or portion of the mechanical system serving an area.

7.7.16 Major Medical Equipment

7.7.16.1 Basic Requirements

7.7.16.1(1) Provide all electrical and control requirements for connection, operation, monitoring and control of all medical equipment; refer to Appendix 1J [Equipment List] and Appendix 1C [Minimum Room Requirements].

7.7.16.2 Performance Criteria

7.7.16.2(1) Each item of equipment will be installed and electrically connected for proper and full operation.

7.7.16.2(2) Electrical characteristics of this equipment, including voltage, wattage, phase, demand, inrush, frequency, connection method and control and monitoring requirements will be confirmed by the Design-Builder prior to installation.

7.7.16.2(3) Space, access and ventilation requirements and other operation critical characteristics of this equipment will be provided for, and outlets and connection points will be located correctly for installation and to permit proper and safe isolation for servicing and disconnection for removal or replacement.

7.7.16.2(4) Any motorized equipment will be equipped with a local lockable disconnect switch.

7.7.16.2(5) Feed all major medical equipment from a dedicated transformer.

7.7.17 Patient Service Module Systems (Headwalls)

7.7.17.1 Basic Requirements

7.7.17.1(1) Incorporate Patient service module power, communications, equipment mounting, medical gases, nurse call and lighting control into the medical service units specified under another division. Provide data, power, nurse call and lighting control systems as describe within and as set out in Appendix 1C [Minimum Room Requirements] and as determined through the User Consultation Group process.

7.7.17.2 Performance Criteria

7.7.17.2(1) Provide horizontal or vertical type medical service Patient service module units as directed by Department representative and identified in Appendix 1A [Clinical Specifications and Functional Space Requirements], and Appendix 1C [Minimum Room Requirements] and as determined through the User Consultation Group process.

7.7.17.2(2) Coordinate and install the required electrical services, including nurse call, normal, emergency and UPS power, IP video surveillance, Patient entertainment, Patient information, Telecommunications Outlets, exam light, and reading light and switches, in the medical service units.

7.7.17.2(3) Conceal within walls all the mechanical, electrical and communication services feeding the Patient service modules.

7.7.17.2(4) Each Patient service module to have 25% spare capacity for additional power and Telecommunications Outlets.

7.7.17.2(5) Avoid back to back Patient service module installations between Patient rooms that could compromise acoustic rating of such assembly. Where back to back installations are unavoidable, acoustic isolation will be provided.

7.7.17.2(6) Exact Patient service module dimensions and configurations to depend on the room layout and the available space. Generally, the Patient service module length will suit the quantity and location of outlets and all outlets will be clear from the width of the bed.

7.7.18 Specialty Systems

7.7.18.1 Basic Requirements

7.7.18.1(1) Special electrical and communications systems are required in the Facility as described in this Schedule and form essential parts of the Facility. Provide power supply, specially conditioned power and communication conduits and other electrical operational support equipment to meet all requirements of these special electrical and electronic systems.

7.7.18.1(2) Specialty equipment includes Patient monitoring systems, neonatal monitoring systems, Telemetry systems, Code Timers and pneumatic tube systems.

7.7.18.2 Performance Criteria

7.7.18.2(1) Utilize institutional or industrial quality cables, connectors, conduit systems, fittings and hardware to make connections to all specialty equipment and to provide for high levels of reliability, durability and ease of maintenance of the equipment.

7.7.18.2(2) Provide connections and controls to specialty equipment that easily permit removal and replacement of the equipment.

7.7.18.2(3) Provide 50 mm EMT from Multipurpose/EOC room to roof for satellite phone in the EOC to connect to an antenna.

7.7.18.2(4) In all Patient rooms, provide a raise/lower switch by the window to control motor operated blinds required by Section 6.12.3.1(4). Label switch to indicate raise and lower function for blinds.

7.7.19 Clock System

7.7.19.1 Basic Requirements

7.7.19.1(1) Provide a synchronized wireless clock system to assure accurate, consistent time is available in the Facility. The system will provide automatic correction for daylight savings time and self-correct if power fails.

7.7.19.1(2) Provide master time controllers and all clocks by a recognized industry leader with all components by the same manufacturer.

7.7.19.1(3) All synchronized clocks to incorporate the Authority's logo on the face to identify the clock as a synchronized clock.

7.7.19.1(4) Provide clocks where indicated in Appendix 1C [Minimum Room Requirements] and in other areas as required to ensure that Staff are able to view a clock when caring for Patients, whether in an open area, room, alcove or a corridor.

7.7.19.1(5) Provide clocks throughout the Facility as follows:

7.7.19.1(5)(a) Unless otherwise noted, provide analog synchronized clocks throughout the Facility for all spaces in which clocks are required in the Appendix 1C [Minimum Room Requirements] and in all corridors, waiting areas, and lobby areas;

7.7.19.1(5)(b) In lieu of analog clocks, provide digital synchronized clocks in the Resuscitation Room and Treatment Chair area, as directed by the Authority;

7.7.19.1(5)(c) Provide digital synchronized clock in the Medical Imaging waiting area;

7.7.19.1(5)(d) Provide an analog synchronized clock on the wall at the foot of the bed in all SRMC rooms; and

7.7.19.1(5)(e) Provide a digital synchronized clock on the wall centrally located above the head of the bed in all SRMC rooms.

7.7.19.1(6) The finish and appearance of the clocks are to complement the architectural finishes and be flush mount type within rooms.

7.7.19.1(7) The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.7.19.2 Performance Criteria

7.7.19.2(1) Install battery-operated analog type synchronized clocks that will receive correction signals from the master clock. Use batteries rated to last a minimum of five (5) years.

7.7.19.2(2) Provide synchronized clocks minimum 300 mm in diameter with sweeping second hand and 24-hour numbering. Numbering to include hours 1-12 in large numbers on outer ring and hours 13-24 in smaller numbers on inner ring.

7.7.19.2(3) Locate synchronized clocks so that the faces are clearly visible to users in areas.

7.7.19.2(4) In the event of a power loss, the control system will continuously maintain proper internal time.

7.7.19.2(5) Provide local satellite transmitters to provide signals to all clocks in the Facility where required.

7.7.19.2(6) The clock system to have an independent wiring system and raceway system to any other building system.

7.7.19.2(7) Provide an additional 50 wireless clocks to the Authority to replace existing clocks in the Existing Hospital.

7.7.20 Electric Vehicle Supply Equipment (EVSE)

7.7.20.1 Basic Requirements

7.7.20.1(1) Provide six (6) level 2 electric vehicle (EV) charging stations with billing capability to designated surface parking stalls.

7.7.20.1(2) Provide and implement an electric vehicle energy management system (EVEMS) to monitor, control and allocate power to each charging station for future growth so to not significantly add to the designed electrical service capacity. This system will allow for a doubling of the number of EV charging stations without requiring an electrical upgrade by allocating power to each charging station including the future stations (i.e. increasing or reducing power at each charger. Do not turn chargers ON and OFF to meet the demand requirement).

7.7.20.1(3) The EVEMS will provide a total of 40kW of charging capacity.

7.8 Communications (Division 27)

7.8.1 General

7.8.1.1 Principles and Guidelines

7.8.1.1(1) Information management directional plans consisting of three (3) core deliverables: provision and management of the technology, management and delivery of information, and management and support for the core business. The Design-Builder will support this plan using technology that provides Seamless Integration.

7.8.1.1(2) The Authority's Patient health record is predominantly electronic in nature, and a substantial amount of information related to Patients is digital or can be converted to digital and reside on the network.

7.8.1.1(3) The full electronic medical record (EMR) is the ultimate goal of the Authority when it comes to gathering, storing and transmitting Patient information. The intent of the EMR will allow health care providers the ability to make more accurate, faster decisions on courses of action for Patients, provide efficiencies for Staff and Patients to reduce costs, and provide better privacy and security of the Patient record by controlling where it is stored.

7.8.1.1(4) Provide Wireless Telemetry System monitoring infrastructure on all floors as defined by the Authority's Patient monitoring vendor. The Design-Builder to ensure the Facility wireless infrastructure does not interfere in any way with the Wireless Telemetry System.

7.8.1.1(5) The types of communication between the various zones and departments will be one or a combination of hands free, PC based, intercom, or phone. Final types of communication will be determined and approved by the Authority.

7.8.1.1(5)(a) The Authority's Patient monitoring vendor shall:

(a).1 Provide the design scope and determine the equipment required for a complete Wireless Telemetry System installation.

(a).2 Connect the Design-Builder provided systems infrastructure, including antennas and power supplies in the communication rooms into the receiver appliances thereby completing the end-to-end power and data connections for the antennas and field devices.

7.8.1.1(5)(b) The Design-Builder will:

(b).1 Install the Wireless Telemetry System infrastructure including:

(b).1.1 Antennas mounted in the field;

(b).1.2 Pre-terminated coax cabling connected to the antenna and run to the nearest communication room; and

(b).1.3 Splitters, ohm resistors, and cable management.

7.8.1.2 Basic Requirements

7.8.1.2(1) The communications systems in the Facility will be standalone systems with extensions and integration into the Existing Hospital communications systems. Ensure all new technology systems and equipment are compatible with the existing systems and equipment used on the CMH Campus.

7.8.1.2(2) The existing communications service to CMH utilizes above and below ground service routes from 4th Ave on the west side of the Existing Hospital up to the main cross connect (MCC). The Existing Hospital communications system is connected to the Utility provider through a single path with redundant fibre optic cable.

7.8.1.2(3) The Design-Builder will provide the Facility with one (1) new communication service from Gibson Street and upgrade the existing Utility connection from Comer Street to the current Authority's Standards. The Design-Builder will provide new interconnected primary and redundant backbone cabling between the Facility and the Existing Hospital and MCC. With the anticipated load of the Facility, re-arranged CMH Campus infrastructure and the required upstream infrastructure upgrades, TELUS may require Utility upgrades to continue supplying reliable connectivity. The Design-Builder to coordinate with the Utility provider and pay all associated costs required to provide two new TELUS Utility distribution lines feeding the CMH Campus including the infrastructure upgrades, Site infrastructure, temporary Utility service as well as the Facility Utility connections. The Design-Builder will also modify the Telus Utility connection to the Nurses' Residence (Hospice) building with a new 25 pair copper feed from the TELUS service box on 4th Ave N to accommodate new parking and Facility Utility connection.

7.8.1.2(4) The Existing Hospital telephone system will be replaced with a new Cisco telephone system and handsets by the Authority. The Design-Builder will integrate and configure the Facility's new Cisco telephone system with the Existing Hospital's new Cisco telephone system. The Design-Builder will procure, install and Commission new Cisco telephone handsets throughout the CMH Campus.

7.8.1.2(5) The communications systems will be proven technology for use in hospitals similar to the Facility.

7.8.1.2(6) All communications systems infrastructure and equipment provided by the Design-Builder will be the latest proven version of the equipment in line with the current firmware and software releases currently in use by the Authority at the time of procurement. Time of procurement will not exceed nine (9) months prior to Commissioning of procured systems except for systems which require a longer lead time. Provide a detailed bill of materials (BOM) list to the Authority for approval prior to procurement.

7.8.1.2(7) The communications systems will be easy to operate, easy to maintain and adaptable to change, and expandable to accommodate growth.

7.8.1.2(8) The Design-Builder will provide all physical network and telephony Design and installation in consultation with the Authority.

7.8.1.2(9) Physical network Design and installation will:

7.8.1.2(9)(a) Accommodate multiple separate networks and VLANs administered by multiple System Administrators;

7.8.1.2(9)(b) Support Unicast and Multicast communication;

7.8.1.2(9)(c) Have high availability and security that meets or exceeds the Canadian Standards for use in and support acute care hospital applications; and

7.8.1.2(9)(d) Network equipment manufacturers will be of current Authority standard. Refer to Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.8.1.2(10) The Authority anticipates that the following networks will be required in the Facility:

7.8.1.2(10)(a) An administrative network for core health users, including the Authority's local area network, which will include the following applications:

(a).1 Patient information systems;
(a).2 Patient monitoring;
(a).3 Meditech 6.x (Expanse);
(a).4 Financial information systems;
(a).5 Human resource information systems;
(a).6 Electronic communications systems including e-mail, video conferencing, VoIP phones and end-user resources including home drives and shared enterprise resources;
(a).7 Patient education system;

(a).8 Electronic room booking system;
(a).9 Digital Wayfinding system;
(a).10 PACs;
(a).11 Nurse call applications;
(a).12 Biomedical and other clinical units with Patient monitoring;
(a).13 Alarm management systems including panic duress;
(a).14 Security systems including IP video surveillance;
(a).15 802.11 a/b/g/n/ac/ax wireless; and
(a).16 BMS system.

7.8.1.2(10)(b) The CMH administrative servers will be supplied by the Authority and are located off-Site. Facility administrative servers for nurse call, Patient monitoring, alarm management and others as shown in Appendix 1F [Systems Responsibility Matrix] will be provided by the Design-Builder and reside in the Facility MCC room. The network equipment to connect to the existing off-site data centre via wide area network connections will be provided by the Authority in the Facility MCC room.

7.8.1.2(10)(c) Provide physically separated and independent networks for the following systems:

(c).1 The pneumatic tube system (PTS). If including the PTS on the BMS is not feasible a separate independent network will be required as the PTS cannot reside on the Authority Network;
(c).2 Nurse call;
(c).3 Not Used;
(c).4 Patient infotainment;
(c).5 Infant protection, Staff Wireless Duress and Patient Wandering;
(c).6 Not Used
(c).7 Not Used

7.8.1.2(10)(d) As required by the relevant equipment manufacturer or vendor; refer to Appendix 1J [Equipment List].

7.8.1.2(10)(e) The above list is for reference only and does not limit the Design-Builder’s obligation to provide all physical networks required for the Facility.

7.8.1.2(11) Provide systems which promote operational efficiency and integrate systems where this integration provides efficiency and operational and cost advantages.

7.8.1.2(12) Provide a common pathway for all communications systems wiring referenced herein and coordinate the requirements of the individual communications systems as established by the vendors.

7.8.1.2(13) The communications systems to accommodate all media types, including data, voice, wireless, video and overhead paging.

7.8.1.2(14) Train the Authority's IT specialist(s) on configuration/setup and testing of the communication systems equipment in the Facility. If equipment being installed is new to the Authority and/or not currently in use by the Authority at CMH, industry standard certification courses on the new equipment will be provided to a minimum of two (2) required IT specialists.

7.8.1.2(15) Training to include classroom training, web training, hands on, on-site training or any combination as appropriate for the system being trained on, along with user reference guides and take away handouts for Staff.

7.8.1.2(16) Design and install equipment and infrastructure with redundancy to remain operational during and after disasters.

7.8.1.2(17) The Authority has a main data centre located in an off-site facility (current data centre is located in Kelowna), where the core applications, communications services and storage facilities exist. This data centre will house the majority of the administrative servers and storage infrastructure. The Facility will not have a significant server installation and will house the servers and data storage devices used specifically for the Facility. Accessibility to the off-site data centre and CMH MCC room as well as storage requirements need will be co-ordinated in consultation with the Authority.

7.8.1.2(18) The Design-Builder will coordinate with existing Authority vendors and proved all necessary connections, licenses and programming to ensure successful integration with any required existing systems.

7.8.1.2(19) The Facility main cross-connect (MCC) and backup cross-connect (BCC) rooms will connect to the Existing Hospital main cross-connect room (MCC) and to the Existing Hospital EF room using fully redundant and separate pathways. The Facility MCC may also be used as the Entrance Facility (EF) for the Facility and will not be used as a TR for services to the work areas. All MCC/BCC and TR will be secure and include Access Controls.

7.8.1.2(20) The Facility MCC and BCC may be located on the same floor provide that they maintain a minimum of 30 m physical separation and are located in separate fire compartments.

7.8.1.2(21) The Facility main cross-connect (MCC) c/w incoming underground ducts will be designed to support various telecommunication service providers LEC (Local Exchange Carrier) and/or CLEC (Competitive Local Exchange Carrier). Incoming services will extend to the BCC and TR as required. The MCC includes termination hardware, equipment racks, patch panels, cable management, network equipment and servers that are part of other Building Systems. The MCC will meet or exceed the requirements of the Physical Partition Guidelines set out in Appendix 1E [Authority Communications Infrastructure Standards & Specifications]. Services to include Data/Voice and Cablevision for Patient infotainment.

7.8.1.2(22) The Facility backup cross-connect (BCC) will be designed to include redundant Facility building network connectivity and redundant equipment and servers that are part of other Building Systems. The BCC can be used as a TR for services to the work areas. If the BCC is used as a TR, the TR equipment will be installed in 2 post racks.

7.8.1.2(23) All incoming services to have fully redundant, separate paths and will be designed to include for 25% growth in incoming services. Separate pathways will be separated by a minimum of 30 m.

7.8.1.2(24) The Design-Builder will submit an overall pathway Design and layout for final approval by the Authority in accordance with Schedule 2 [Review Procedure], Appendix 2A [Submittals].

7.8.1.2(25) The Design Builder will complete all work, including Commissioning in all Telecommunication Rooms and spaces a minimum of three (3) months prior to Substantial Completion and allow the Authority's Staff access to these spaces as needed by the Authority's Staff. Training for the Authority's Staff, as noted in this Section for communication systems, will be completed prior to Substantial Completion.

7.8.1.2(26) Not Used

7.8.1.2(27) In collaboration with the Authority, the Design-Builder will consolidate equipment in the fourth floor Telecommunications Room (A4A) rack of the Existing Hospital to:

7.8.1.2(27)(a) Provide space for the additional incoming fibre connections from the Facility. Room A4A is the MCC for the Existing Hospital;

7.8.1.2(27)(b) Allow for 12U of reserved space for the Authority network equipment in the Phase 2 Renovations;

7.8.1.2(27)(c) Allow for an additional 6U of space for rack-mounted nurse call equipment;

7.8.1.2(27)(d) If over 60% of the capacity of the existing rack is used, provide space for a second floor-mounted rack. The Design-Builder will relocate the existing rack within the room and secure it to the wall, allowing space for the Design-Builder to install and ground a second rack (483-mm /19-inch, two-post, 44U) complete with 150 mm (6 inch) for horizontal cable management beside the existing rack to meet Appendix 1E [Authority Communications Infrastructure Standards & Specifications];

7.8.1.2(27)(e) Move the existing wall-mounted fibre cross-connect into the rack in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications];

7.8.1.2(27)(f) Allow for 600 mm (24 inches) of space behind the rack for a future wall to be built by the Authority to serve the Phase 2 Renovations electrical requirements; and

7.8.1.2(27)(g) Provide temporary cooling in the fourth floor Telecommunications Room (A4A) by means of a portable air exchange fan and/or venting in the door.

7.8.1.2(28) The Design Builder will be responsible to supply one-hundred and twenty (120) fewer 2D ports from those included in the 100% Formal Design and Construction Document Submittal. The Authority will determine the locations of the deletions within 30 days of the execution of the Design Build Agreement.

7.8.1.3 Performance Criteria

7.8.1.3(1) Life Safety Systems to have built-in redundancy. Provide redundancy at each Allocated Data Port location (except for Infant Protection, Patient Wandering, and RTLS systems) and connect physically adjacent Allocated Data Ports to different switches within the same TR. Refer to Appendix 1E [Authority Communications

Infrastructure Standards & Specifications] for colour coding guidelines for Data Ports to identify system usage.

7.8.1.3(2) IP Protocol is used for data network based equipment. Telecom equipment will be a mix of VoIP, and analog equipment.

7.8.1.3(3) All network protocols will be IPV6 compatible.

7.8.1.3(4) Manufacturer warranties will be fully transferable to the Authority after the Design-Builder's warranties expire.

7.8.1.3(5) All communications systems equipment provided by the Design-Builder to support all applications run generally by the Authority, which include; Meditech 6.x (Expanse), PACS and Microsoft Office.

7.8.1.3(6) All applications, software modules and any related software installed, operated or used by the Design-Builder will not interfere with the operation or performance of, or reduce the security or privacy of, any Authority applications or equipment.

7.8.1.3(7) Any system that is deemed to be not compliant by the Authority must be upgraded to be compliant to the extent that it may need to be totally replaced. All costs associated with this upgrade will be the Design-Builder's responsibility.

7.8.1.4 Quality Requirements

7.8.1.4(1) The Design-Builder to comply with all applicable Standards and the following requirements:

7.8.1.4(1)(a) Use and provide the latest technology for transferring, securing, and storing information available at the date of procurement of the communications system for the Facility;

7.8.1.4(1)(b) Comply with all applicable and latest revisions of IEEE, CSA, ANSI, TIA, and BICSI Standards, including CSA C22.2 and CSA Z32, and TIA 1179 Healthcare Facility Telecommunication Infrastructure Standards;

7.8.1.4(1)(c) Provide equipment and materials that are certified and clearly sealed by CSA or ULC or other testing agency approved and accepted by the Safety Engineering Services (SES);

7.8.1.4(1)(d) Comply with Appendix 1E [Authority Communications Infrastructure Standards & Specifications]; and

7.8.1.4(1)(e) Obtain and provide any required network and communications systems equipment (including software and hardware) that will be utilized by or directly interface with the Authority's network environment from the list of approved/existing vendors and products set out in Appendix 1E [Authority Communications Infrastructure Standards & Specifications], or from another vendor approved by the Authority acting reasonably.

7.8.2 Integration with the Authority Networks

7.8.2.1 Basic Requirements

7.8.2.1(1) Minimum requirements for inter-building and intra-building cable infrastructure are set out in Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.8.2.1(2) Provide 2N redundant cable infrastructure to connect the Facility MCC and BCC to the Existing Hospital MCC (CMHA4A) via physically diverse pathways. Cable infrastructure will be continuous and terminate at both ends and will consist of coax, multimode and single mode fiber optic cable and multi-conductor copper tie cable. Any external cables will be outdoor water-resistant type cables. The Design-Builder will perform all work (including providing all necessary parts and components) required to provide the new diverse pathways between all service locations as identified above.

7.8.2.1(3) Provide sufficient cable infrastructure to support the networks, systems and equipment installed and used in the Facility. Provide additional cable infrastructure, in consultation with the Authority, for the inter-building backbone connection between the Facility MCC and BCC to the Existing Hospital MCC and EF (CMHA0A) as indicated above. The following are minimum backbone cables quantities to support the Authority's Administrative Network. All other systems will require backbone cables in addition to:

7.8.2.1(3)(a) 24 strand main Single Mode (SM) and 24 strand main Multi Mode (MM) from the Existing Hospital MCC to Facility MCC;

7.8.2.1(3)(b) 24 strand redundant SM and 24 strand redundant MM from the Existing Hospital MCC to Facility BCC;

7.8.2.1(3)(c) 12 strand main SM and 100 pair main Cu from the Existing Hospital EF to Facility EF;

7.8.2.1(3)(d) 12 strand redundant SM and 100 pair redundant Cu from the Existing Hospital EF to Facility BCC;

7.8.2.1(3)(e) 24 strand main SM and 24 strand redundant SM from Facility MCC to Facility BCC in diverse pathways;

7.8.2.1(3)(f) 24 strand main MM and 24 strand redundant MM from Facility MCC to Facility BCC in diverse pathways;

7.8.2.1(3)(g) 50 pair main Cu and 50 pair redundant Cu from Facility MCC to Facility BCC in diverse pathways;

7.8.2.1(3)(h) 50 pair main Cu and 50 pair redundant Cu from Facility EF to Facility BCC in diverse pathways;

7.8.2.1(3)(i) If Facility MCC and Facility EF are not in the same room provide 50 pair main Cu and 50 pair redundant Cu and 12 strand main SM and 12 strand redundant SM from Facility MCC and Facility EF;

7.8.2.1(3)(j) 12 strand main SM, 12 strand main MM and 25 pair main Cu from Facility MCC to each Facility TR;

7.8.2.1(3)(k) 12 strand redundant SM, 12 strand redundant MM and 25 pair redundant Cu from Facility BCC to each Facility TR;

7.8.2.1(3)(l) To accommodate the requirements of the new Facility provide 12 strand main MM and 12 strand redundant MM from the Existing Hospital EF (CMHA0A) to the Existing Hospital MCC (CMHA4A); and

7.8.2.1(3)(m) All fiber optic cabling including patch cords will be protected end to end with a corrugated, flexible duct made of high-density polyethylene.

7.8.2.1(4) The Design-Builder to ensure that communications systems in the Facility are capable of being integrated with existing communication systems at CMH Campus, other Authority facilities and with Province-wide communication systems between health authorities. Coordinate all systems integrations in consultation with the Authority.

7.8.2.1(5) The communication systems to permit and facilitate the secure transmission, storage, and retrieval of electronic medical records within the CMH Campus and to and from all other Authority facilities.

7.8.2.1(6) The communications systems will be integrated or interoperate with Authority systems and will be compatible with the systems of the Authority's service providers as of the date of installation of the systems and be designed to integrate with the service providers' equipment and, as appropriate, to utilize the Authority's existing service agreements by extending them to the Facility.

7.8.2.1(7) Provide technology and communications systems that integrate with the Authority's existing systems and future new systems to allow Seamless Integration between other health facilities in the region and the CMH Campus.

7.8.2.1(8) The systems requiring Seamless Integration include PTS, video conferencing, telephones, all networks, Patient infotainment, Patient education, access control, IP video surveillance, intrusion detection, nurse call and specialized clinical equipment such as picture archiving and communication systems (PACS), cancer treatment systems, electronic registration, and dictation systems.

7.8.2.1(9) Seamless Integration is required for all systems that have a counterpart in the Facility, CMH or the Deni House. The requirements of Seamless Integration will include the following:

7.8.2.1(9)(a) The process where a new module, routine or feature of an application, system or hardware is added, installed or combined with another module, routine, application system or hardware without resulting in any discernable errors or complications;

7.8.2.1(9)(b) Any change applied to any system will happen without any negative impact to CMH Campus users;

7.8.2.1(9)(c) Monitoring, viewing, alerts and alarm propagation will be the same across all of the systems requiring Seamless Integration in the Facility, CMH and Deni House;

7.8.2.1(9)(d) Command and control of the systems requiring Seamless Integration will be of the same version for all users; and

7.8.2.1(9)(e) If more than one database is required for both systems requiring Seamless Integration, the databases must interact with each other in such a way that does not impact or corrupt the databases and results for CMH Campus users having the same experience as if they were connecting to only one database.

7.8.3 Interface with Authority Systems

7.8.3.1 Basic Requirements

7.8.3.1(1) The Facility's technology and communications systems that are in a digital format may operate on the CMH Campus networks and integrate with the Authority's applications, subject to requirements of this Agreement and approval from the Authority.

7.8.3.1(2) The Design-Builder will not, without the Authority's prior approval, install or use any software that resides on, accesses or otherwise interacts with the Authority's network. The Design-Builder to complete, and submit to the Authority, the Authority's software assessment form for each such software installation, which will be made available to the Design-Builder.

7.8.3.1(3) The Authority intends that:

7.8.3.1(3)(a) electronic Patient information will be available at the bedside to assist clinical Staff in performing their duties, on portable devices, run over the wired or wireless network;

7.8.3.1(3)(b) the portable device display information such as code blue, video conferencing, Patient / Staff education, and Patient monitoring to integrate with the IT applications and run over the common network platform; and

7.8.3.1(3)(c) electronic Patient information will be available on the Patient education displays in all Patient rooms where such a display will be installed.

7.8.3.1(4) The Design-Builder will provide an Integration Manager who will ensure that all systems are integrated and function as set out in this Schedule. Integration Manager will have a substantial role during the duration of the Design and Construction and the Commissioning of this Project. Integration Manager will attend Design and Construction meetings with the Authority at 30% and 50% and 100%, as well as at the discretion of the Authority in order for the Authority to confirm if the appropriate integration coordination steps are being taken, and if there are any issues or potential integration requirements are identified and issues mitigated. Integration Manager will provide integration Commissioning documentation for review by the Authority.

7.8.3.2 Quality Requirements

7.8.3.2(1) The technology and communications system will be IP compatible and run over a standard Ethernet network.

7.8.3.2(2) Databases for these systems will be HL7 compatible with an SQL open system architecture to allow key fields to be read from and written to the Authority's information technology software applications.

7.8.3.3 Operating Requirements

7.8.3.3(1) Design-Builder supplied servers for the technology and communication systems will be Microsoft compatible (version acceptable to the Authority) and will be from a common manufacturer where possible.

7.8.3.3(2) Servers used will have built in redundancies including:

7.8.3.3(2)(a) Dual Power supplies; and

7.8.3.3(2)(b) Dual home run network connections.

7.8.3.3(3) The servers will be of the latest technology, as of the date of installation (Intel processor latest model or similar acceptable to the Authority) and to interface with the Ethernet network via a 1/10/100 Gb, or latest speed at time of procurement as required by the server, network interface card. All servers will be of rack mountable form factor and will be installed into a four (4) post rack.

7.8.3.4 Performance Criteria

7.8.3.4(1) Climate control will be provided for the Facility MCC, EF, BCC and all TRs as set out in Appendix 1E [Authority Communications Infrastructure Standards & Specifications] for installed equipment plus future capacity for an additional two active loaded racks. The climate control system will function 24 hours-per-day and 365 days-per-year and be designed to have redundancy in case of failure or maintenance work.

7.8.3.4(2) UPS power will be provided in each of the Facility MCC, EF, BCC and TRs to power all equipment in the room plus future capacity for an additional two (2) active loaded racks in each room.

7.8.3.4(3) The Design-Builder will design the Facility MCC and BCC in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications] plus physical space and infrastructure for an additional two future four (4) post racks per room.

7.8.3.4(3)(a) For the design purposes of the BCC, the physical partition guidelines as set out in section 4.5.3.1 of Appendix 1E [Authority Communications Infrastructure Standards & Specifications] are not required.

7.8.3.4(4) The Design-Builder will design the Facility TRs and EF in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications] plus physical space and infrastructure for an additional one (1) future two (2) post rack per room.

7.8.3.4(5) The Design-Builder must submit an MCC, EF, BCC and TR Design and layout for final approval by the Authority in accordance with Schedule 2 [Review Procedure], Appendix 2A [Submittals].

7.8.3.4(6) All server equipment in the MCC and BCC will be mounted in four (4) post racks with two vertical PDUs on different power sources.

7.8.3.4(6)(a) A 120V, 15A UPS and vital duplex outlet is required in the MCC and BCC centrally located four (4) post racks.

7.8.3.4(7) All active equipment in TRs will be mounted in two (2) post racks with two horizontal PDUs on different power sources.

7.8.4 Structured Cabling

7.8.4.1 Basic Requirements

7.8.4.1(1) Provide a complete structured cabling solution for the Facility in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.8.4.1(2) Provide a communications installation that is clean, and tidy and that utilizes cable management and deploys terminations as noted in the requirements of ANSI/TIA-568.2-D, ANSI/TIA-568.4-C and in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.8.4.1(3) The Design-Builder to assign each room and space in the Facility a communications cable density in accordance with Appendix 1C [Minimum Room Requirements]. If a room or space does not exist in Appendix 1C [Minimum Room Requirements] utilize the TIA-1179 Healthcare Facility Telecommunications Infrastructure Standard for minimum requirements of the room or space. At a minimum, provide one (1) Telecommunications Outlet, as defined in Appendix 1E [Authority Communications Infrastructure Standards & Specifications], on opposite walls for each room that is not listed in Appendix 1C [Minimum Room Requirements].

7.8.4.1(4) Provide one (1) Telecommunications Outlet in the Medical Imaging waiting area. Co-locate the Telecommunications Outlet with one (1) general use receptacle.

7.8.4.1(5) Refer to Appendix 1C [Minimum Room Requirements] for the specific quantity of Telecommunications Outlets and Data Ports for each room and space. Additional Allocated Data Ports to be provided by the Design-Builder required for equipment, other than computers, multi-function devices and printers; refer to Appendix 1J [Equipment List].

7.8.4.1(6) Provide at minimum one (1) Allocated Data Port mounted at 1700 mm AFF in the hallway near the entrance of every Patient Room in the Facility for future digital room displays. Final location will be determined in consultation with the Authority.

7.8.4.1(7) Not Used.

7.8.4.1(8) In addition to the communications cables required by other Sections of this schedule, the Design-Builder to provide:

7.8.4.1(8)(a) Any additional cabling infrastructure necessary to support all of the networks, systems and equipment, including the equipment listed in Appendix 1J [Equipment List], to be installed or used in the Facility;

7.8.4.1(8)(b) All cabling infrastructure required by other provisions of this Statement of Requirements; and

7.8.4.1(8)(c) If multiple rows of racks are required in Telecommunication Rooms (TRs), the MCC or the BCC, provide a 24 count CAT6A cable between the rows to support the Authority's Administrative Network. This does not apply to Vendor Racks in the MCC.

7.8.4.1(9) The Design-Builder to co-locate at each Telecommunications Outlet location, the appropriate number of power outlets in accordance with Appendix 1C [Minimum Room Requirements] and Appendix 1J [Equipment List] requirements.

7.8.4.1(10) The end to end cabling infrastructure will be white sheathed Commscope Category 6A UTP cable, 4 pair, 23 AWG CMR / CMP rated based on jurisdictional / municipal codes, and to conform to this standard, including all patch cables, jumper wires and equipment cords and will be installed, tested and certified by a Commscope certified contractor.

7.8.4.1(10)(a) Patch cables, jumper wires and equipment cords supplied by the equipment vendor as part of the overall equipment installation can be provided in accordance with the equipment manufacturer standards and recommendation once understood and approved by the Authority.

7.8.4.1(11) Provide separate physical networks, in accordance with equipment vendor specifications and as required for the communications systems and equipment installed or used in the Facility. At a minimum, provide a separate physical network for each of the networks identified in Section 7.8.1.2(10).

7.8.4.1(12) The cabling infrastructure will be universal to support the networks and systems required in the Facility, including voice, data, wireless, video, IP video surveillance and security systems.

7.8.4.1(13) All Allocated and Unallocated Data Ports (regardless of application) will be BLACK in colour with the following exceptions:

7.8.4.1(13)(a) Patient monitoring and telemetry – RED;

7.8.4.1(13)(b) Wireless access points – GREEN;

7.8.4.1(13)(c) IP-based security systems, such as Patient wandering/tracking, infant protection, IP video surveillance and security cameras – VIOLET;

7.8.4.1(13)(d) Nurse call – YELLOW; and

7.8.4.1(13)(e) Patient infotainment – BLUE.

7.8.4.1(14) Data Port colour coding will exist at the faceplate (end device) end and the modular patch panel (Telecommunications Room) end.

7.8.4.1(15) The Design-Builder will cause:

7.8.4.1(15)(a) The cabling infrastructure will be designed by an RCDD;

7.8.4.1(15)(b) The RCDD to complete the physical network Design; and

7.8.4.1(15)(c) Without limiting this Section 7.8.4, the RCDD to provide, as necessary, preliminary conceptual drawings of proposed Telecommunications Outlet locations in advance of the first detailed room review meetings with the Authority.

7.8.4.1(16) Provide a manufacturer's extended product, performance, application, and labour warranty covering all passive components used in the technology infrastructure. Additionally, this warranty to cover components not manufactured by the technology infrastructure manufacturer but approved by the technology infrastructure manufacturer for use in the technology infrastructure.

7.8.4.1(17) The structured cabling will be neatly organized, bundled separately by sheath colour and clearly labelled for ease of use by the Authority and Facility users in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications]. In a stacked switch configuration, the machine printed label identifying the cable in the Telecommunications Room at the modular patch panel end will be placed inline with the back of the switch and not within 60 mm of the cable termination for ease of reading. Exact placement of the label will be determined in consultation with the Authority.

7.8.4.1(18) Create an operational plan for the cable infrastructure, including a management strategy and resource requirements for maintenance.

7.8.4.1(19) Provide conduit, electrical and cable infrastructure for future self-registration kiosks and digital Wayfinding kiosks. Provide flush floor mounted power (one [1] duplex outlet) and one (1) Unallocated Data Port for kiosks not mounted adjacent to walls. Allow for four (4) floor mounted locations throughout the Facility.

7.8.4.1(20) Provide all equipment racks as a complete solution including; power distribution units, horizontal managers, vertical managers, grounding, seismic restraint and proper ventilation.

7.8.4.1(21) For Authority End-Use Equipment requiring 1000BASE-T (802.3ab) protocol that exceed the standard 90m cable length from the nearest edge TR beyond the building perimeter, the Design-Builder will provide suitable end-to-end cable infrastructure and solution to support connectivity. In such circumstances, a power-over-fibre (PoF) technology is acceptable. This will allow the edge TR layer 2 fibre switch to connect via hybrid multimode fibre optic and copper cables, allowing for the cable to carry data via optical signals and to carry power to support remote media converters connecting to the Authority End-Use Equipment. Cabling infrastructure and solution will be the CommScope PoF Cable, including hybrid multimode fibre strands, optic and copper conductors, fibre switches with 1000BASE-T (802.3ab) SX multimode transceivers, 1000BASE-T (802.3ab) and IEEE 802.3bt (Type 4) protocol Media Converters, CommScope Central DC Power Source and CommScope CAT6A patch cables to support wireless access points and cameras within

the CMH Campus that exceed 90m from the nearest TR. Redundancy is required at the Facility including for two (2) Central DC Power Sources, two (2) fibre switches, and spare 1000BASE-T (802.3ab) SX SFPs.

7.8.4.2 Performance Criteria

7.8.4.2(1) Utilize a star wired cabling approach to wire all Telecommunications Outlet locations back to the floor TRs and all TRs back to the MCC and BCC.

7.8.4.2(2) The Design-Builder to cross-connect and test all cable infrastructure.

7.8.4.2(3) Terminate all cables in MCC, EF, BCC, and TRs in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.8.4.2(4) Minimum size requirements for TRs in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications]. Provide and size the MCC, EF, BCC and TRs to accommodate the telecommunications requirements of the Facility, including all cabling systems, all active and passive network equipment and future racks.

7.8.4.2(5) Provide rack, equipment and wall layouts for TRs in accordance with ANSI/TIA-569 family of Standards. Refer to Appendix 1E [Authority Communications Infrastructure Standards & Specifications] of this document for typical rack layout.

7.8.4.2(6) Provide physically diverse and separate redundant pathways between the Facility MCC, BCC and the other TRs in the Facility. If more than one (1) TRs is required per floor, provide redundant and diverse pathways between the same floor TRs to facilitate cross-cabling requirements.

7.8.4.2(7) Provide fiber optic cabling for areas where bandwidth requirements necessitate it be used, if the bandwidth requirement exceeds that of CAT 6A.

7.8.4.2(8) Run Commscope Cat 5e, 25-pair UTP telephone style riser cables as set out in Section 7.8.2 and in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.8.4.2(9) Run appropriately sized coax cabling (RG-6) from each TV/Patient infotainment outlet to a predefined wall in the TR servicing the work area. Cabling will interconnect in each TR via riser cabling to the

accessible side of the MCC where the Patient infotainment system will reside.

7.8.4.2(10) Telecommunications Rooms will be designed:

7.8.4.2(10)(a) To serve the floor they are on and maximize the area they serve;

7.8.4.2(10)(b) To minimize the distances for cable runs, to provide easy access for equipment modifications and to avoid interference with other services and systems;

7.8.4.2(10)(c) In accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications];

7.8.4.2(10)(d) To minimize the flow and impact on clinical operations;

7.8.4.2(10)(e) With 915 mm clearance at one end of the row of racks;

7.8.4.2(10)(f) With 1220 mm clearance on back and front side of the row of racks; and

7.8.4.2(10)(g) With 153 mm clearance between each rack or vertical cable management.

7.8.4.2(11) All conduit pathways to have spare capacity per TIA Standards, and all TRs to have physical floor and wall space to accommodate such expansion. For each BIX wall, provide adequate space to accommodate 50% expansion on the same and adjacent wall. Provide adequate floor space to facilitate at least 1 expansion rack to be located adjacent to required racks.

7.8.4.2(12) All telecommunications cabling will be routed on aluminum or wire mesh type cable tray located in the ceiling space of main corridors and from there through minimum 28 mm conduit to the outlet, except for the limited use of J-Hooks in the Facility only in areas with no more than six (6) horizontal runs per J-Hook as long as the runs do not run through, along, above or terminate in Clinical Spaces or exposed or fully concealed ceilings.

7.8.4.2(13) Anticipated areas where J-Hooks could be utilized would be administration areas, offices and Back of House areas; refer to Appendix 1E [Authority Communications Infrastructure Standards & Specifications] for pathway requirements.

7.8.4.2(14) All ceiling spaces to have cable outlets for wireless network access points, information display systems, and other ceiling mounted digital and/or IP devices.

7.8.4.2(15) Terminate all cables at both ends. Provide the proper flame spread rating for the cabling system.

7.8.4.2(16) Supply equipment data cables for all Authority End-Use Equipment in sufficient quantity to make each device operational.

7.8.4.2(17) The Design-Builder to provide an additional 50 Allocated Data Ports over and above the required Allocated Data Port requirement identified in the Appendix 1C [Minimum Room Requirements] and TIA-1179 to be used at the Authority's discretion.

7.8.4.2(18) The Design-Builder to provide one additional 48 port switch per TR over and above the requirements for the Allocated Data Ports. .

7.8.4.2(19) The Design-Builder to provide all cross-connect cables, harness cables and equipment cords to allow complete connection from end to end. Channel Link testing performance and procedures to ANSI/TIA-568 standard will be used to certify the cabling system (from harness cable to patch cord). Length and colour of patch cables will be determined in consultation with the Authority. End to End Channel (Device to Switch) length of horizontal cross-connect not to exceed a combined total of 90 m.

7.8.4.2(20) The Design-Builder will provide the Authority with the following:

7.8.4.2(20)(a) 500 Black Commscope XG CAT 6A F/UTP slim line patch cable, length 300 mm for 50% of the head end connections for the Cisco IP Phones;

7.8.4.2(20)(b) 500 Black Commscope XG CAT 6A F/UTP slim line patch cable, length 450 mm for the other 50% of the head end connections for the Cisco IP Phones.

7.8.4.2(21) Develop the labelling approach in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications] prior to labelling.

7.8.4.2(22) Specialized systems requiring multiple cables to have sufficient cables at each location to ensure system operation.

7.8.4.2(23) Personal computers may not be wired through an IP telephone nor have any wired connectivity to the Authority's network. All personal and non-Authority approved systems will only be able to access the network via wireless connectivity.

7.8.4.2(24) All components of the structured cabling system and infrastructure will have 40% spare capacity.

7.8.4.2(25) If finished but not furnished spaces are provided, the following to apply:

7.8.4.2(25)(a) Telecommunication raceways and cabling infrastructure will be provided to all spaces.

7.8.5 Network Equipment

7.8.5.1 Basic Requirements

7.8.5.1(1) For the Authority's network, the Design-Builder will:

7.8.5.1(1)(a) Provide all required network equipment, including Authority-approved network switches based on the Design and Standards in place at time of procurement;

7.8.5.1(1)(b) Complete all logical network Design, network equipment programming and configuration in consultation with the Authority; and

7.8.5.1(1)(c) Be responsible for all network management licensing.

7.8.5.1(2) For all other networks required in the Facility, including those described in Section 7.8.1.2(10) of this Schedule but excluding Patient Infotainment, the Design Builder will:

7.8.5.1(2)(a) Provide all required network equipment, including Authority-approved network switches based on the Design and Standards in place at time of procurement;

7.8.5.1(2)(b) Complete all logical network Design, network equipment programming and configuration in consultation with the Authority; and

7.8.5.1(2)(c) Be responsible for all network management licensing and maintenance contracts.

7.8.5.1(3) For all of the networks described in Section 7.8, but excluding Patient Infotainment, the Design-Builder to mount and connect all network switches and pigtails and cross connect and test all network equipment and cable infrastructure in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications] Section 4.5.1.1 HP Stacked Switch Design.

7.8.5.1(4) Install all network equipment in accordance with all applicable IEEE and TIA Standards, including the 802.1 and 802.3 Standards.

7.8.5.1(5) The Authority will provide and manage all firewalls, security and IDS/IPS systems for connections to the Authority's networks.

7.8.5.1(6) All network equipment will be open architecture in compliance with standard protocols.

7.8.5.1(7) Retain a CISCO certified network engineer trained on the network equipment.

7.8.5.1(8) Network equipment to support converged communications, a combination of the three media types of voice, video and data and all equipment to support the prioritization of traffic. The systems to include the main telephone system, video conferencing, IP video surveillance, dictation, fax, transcriptions and all information systems.

7.8.5.1(9) Network equipment to function as part of the existing global network management system and to conform to Standards and methods used by the Authority across its various sites.

7.8.5.1(10) Redundancy and security will be taken into account in all network Designs.

7.8.5.1(11) The Design-Builder will provide an additional forty-eight (48) active Switch ports in each of the Facility Telecommunications Rooms, for additional capacity over and above the number of Allocated Data Ports that will be required based on the quantities determined.

7.8.5.1(12) The Design-Builder to coordinate with existing Authority network vendor(s) to ensure successful network integration.

7.8.5.1(13) The Design-Builder will provide any hardware, software or license upgrades required to connect the Facility network to the existing Authority network.

7.8.5.1(14) Facility core network equipment to connect to the core networks in the Existing Hospital.

7.8.5.1(15) All network equipment will be dual corded with redundant power supplies. Power will be supplied from both UPS and Vital power.

7.8.5.2 Performance Criteria

7.8.5.2(1) Authority End-Use Equipment will be connected to the edge TR layer 2 switch and a 10/100/1000 base T Ethernet 802.3 protocols run on Category 6A (or greater based on standard in place at the time of procurement) twisted pair, to connect to the redundant layer 2/3 switches in the same TR.

7.8.5.2(2) TRs will also support 802.11a/b/g/n/ac/ax with Cisco model 9120i/e and 1500 series (or latest) wireless access points, Cisco 9800 Controllers in high availability configuration (or latest) and wireless telephones, both of which require PoE functionality and standards based QoS (Quality of Service) traffic prioritization.

7.8.5.2(3) All telecommunications racks requiring electrical power and cooling will be calculated with:

7.8.5.2(3)(a) a total cooling load at Substantial Completion of 100.1 (in kW), including 10% future capacity, distributed as follows:

(a).1 MCC: 16;
(a).2 Entrance Facility: 6;
(a).3 Telecommunications Room L0: 8;
(a).4 Telecommunications Room L1: 16;
(a).5 Telecommunications Room L2: 11;
(a).6 Telecommunications Room L3: 11;
(a).7 Telecommunications Room L4: 3;
(a).8 BCC: 10; and
(a).9 Antenna Room: 18.

7.8.5.2(3)(b) a total future state cooling load of 148.0 (in kw) with the rooms fully populated distributed as follows:

(b).1 MCC: 21;
(b).2 Entrance Facility: 10;
(b).3 Telecommunications Room L0: 20;
(b).4 Telecommunications Room L1: 25;
(b).5 Telecommunications Room L2: 17;
(b).6 Telecommunications Room L3: 15;
(b).7 Telecommunications Room L4: 6;
(b).8 BCC: 16; and
(b).9 Antenna Room: 18.

7.8.5.2(4) In accordance with Schedule 2 [Review Procedure], Appendix 1A [Submittals], prepare a network plan, and submit for Authority approval, showing:

7.8.5.2(4)(a) All communication devices;

7.8.5.2(4)(b) The applications; and

7.8.5.2(4)(c) All connecting Authority End-Use Equipment.

7.8.5.2(5) Each Telecommunications Outlet will be supplied with two Allocated Data Ports. Any Telecommunication Outlet that is mounted at 1500 AFF or 1700 AFF with a single Allocated Data

Port is for either a wall mountable phone or an Electronic Room Booking Device. The Design-Builder will provide and install any hardware required for the wall-mounting of these devices onto these Telecommunications Outlet.

7.8.5.2(6) All switch infrastructures to support multiple VLAN functionality and multiple subnets per VLAN.

7.8.5.2(7) Network Design to include:

7.8.5.2(7)(a) A Core layer (connections to the TR and routing);

7.8.5.2(7)(b) An Aggregate layer (connections to servers located in the Facility MCC and BCC); and

7.8.5.2(7)(c) Final network Design will be determined in consultation with the Authority.

7.8.5.2(8) The Design-Builder will meet the obligations set out in Appendix 1F [Systems Responsibility Matrix].

7.8.6 Telephony System

7.8.6.1 Basic Requirements

7.8.6.1(1) The Design-Builder will provide a new Cisco telephony system cluster for the Facility. The new Cisco telephony system will be modular in design and will be scalable to allow future migration of existing system for the entire CMH Campus. The new communications manager and unity connection clusters will be a leaf node off the existing Authority Cisco collaboration environment.

7.8.6.1(2) The Design-Builder may not use the existing Authority CMH system or the Facility Cisco telephony system for its telecommunications needs.

7.8.6.1(3) Ensure that cellular and paging services function effectively in all areas of the CMH Campus. Coverage to include all major cellular service providers in the area and to include public safety bands.

7.8.6.1(4) The Design-Builder will provide any hardware, software and license upgrades required to integrate the Facility Cisco telephony system with the existing Authority Avaya CMH system.

7.8.6.1(5) The Facility Cisco telephony system equipment will connect to incoming services from the street.

7.8.6.1(6) Facility Cisco telephony system equipment also to connect back to the existing Authority Avaya CMH system.

7.8.6.1(7) The Design-Builder to replace existing phones in the CMH Campus as noted in 7.9.7.1(2).

7.8.6.2 Performance Criteria

7.8.6.2(1) Design and construct the Facility to support the Authority's IP and Analog phone technology, both wired and wireless. At minimum a Cisco telephony system will be used as the Facility's telephony system. The Facility telephony system will be connected to the existing Authority Avaya CMH system and will have a dedicated PSTN service provided by the Design-Builder.

7.8.6.2(2) Coordinate with existing Authority vendor to ensure successful Seamless Integration with existing system.

7.8.6.2(3) The Facility Cisco telephony system will have a network switch dedicated to the telephony system with dual connections back to the cores.

7.8.6.2(4) SIP to SIP services will be included with the Facility Cisco telephony system for Seamless Integration with the Staff Communication System.

7.8.6.2(5) Voice equipment to comply with all BICSI/IEEE and TIA Standards.

7.8.6.2(6) Seamless Integration of voice equipment will be included when connecting to the Authority's existing voice network.

7.8.6.2(7) Seamless Integration with the Staff Communication System will be included when designing the telephone system.

7.8.6.2(8) The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.8.7 Authority's End-Use Equipment

7.8.7.1 Basic Requirements

7.8.7.1(1) As described in Appendix 1J [Equipment List], the Design-Builder will:

7.8.7.1(1)(a) Include the installation of the Authority End-Use Equipment as part of the Move-in Schedule;

7.8.7.1(1)(b) Assist the Authority to define locations for the Authority End-Use Equipment;

7.8.7.1(1)(c) Provide adequate power and wired network outlets for the Authority End-Use Equipment; and

7.8.7.1(1)(d) Provide Data Jack number information (on the Authority's cable information Excel spreadsheet) to the Authority to facilitate placement of the Authority End-Use Equipment.

7.8.7.1(2) The Design-Builder will procure, install and commission the following phones:

7.8.7.1(2)(a) 245 Cisco 7841 (or approved alternate) phones that will be deployed in the CMH Campus to replace existing phones;

7.8.7.1(2)(b) 200 Cisco 7841 (or approved alternate) phones that will be deployed in the Facility;

7.8.7.1(2)(c) 96 analog ports (4x24 port analog gateways) on the Voice gateway, Cisco VG350-144FXS and/or VG320 (48 ports) or future approved alternate, located in CMH Campus, for the CMH Campus analog requirements;

7.8.7.1(2)(d) 48 analog ports (2x24 port analog gateways) on the Voice gateway, Cisco VG350-144FXS and/or VG320 (48 ports) or future approved alternate, located in the Facility MCC, for the Facility analog requirements;

7.8.7.1(2)(e) 25 Cisco 8832 (or approved alternate) unified IP conference phones that will be deployed in the CMH Campus to replace existing conference phones;

7.8.7.1(2)(f) 10 Cisco 8832 (or approved alternate) unified IP conference phones that will be deployed in the Facility;

7.8.7.1(2)(g) 10 Cisco 8851 (or approved alternate) reception phones with 16 Key Expansion Modules that will be deployed in the Facility;

7.8.7.1(2)(h) Not used

7.8.7.1(2)(i) Not used

7.8.7.1(2)(j) Licensing for all of the above plus an additional 10% of CUWL and UCL licenses for future growth;

7.8.7.1(2)(k) Final placement of all phone sets will be determined and approved by the Authority;

7.8.7.1(2)(l) The Design-Builder will work with the Authority Equipment Purchaser to provide a bill of material

(BOM) on the above equipment for approval by the Authority IT representative prior to procurement; and

7.8.7.1(2)(m) If the Design-Builder chooses to design the phone system with the Cisco VG350-144FXS a redundant power supply will also be required.

7.8.7.1(3) The Design-Builder will procure, install and commission the following phone system:

7.8.7.1(3)(a) Cisco Unified Communications Manager (CUCM) Cluster – latest proven version of the equipment in line with the current firmware and software releases currently in use by the Authority at time of procurement. Time of procurement will not exceed nine (9) months prior to systems Commissioning of procured systems with the exception of systems which require a longer lead time. Provide a CUCM Subscriber Server to be a virtual server on a physical server host located on the restricted side of the Facility MCC and a CUCM Publisher Server to be located in the Authority Data Center (off-site) on an Authority-supplied virtual server. Cluster will be a leaf node off the existing Authority-wide Cisco Collaboration Environment;

7.8.7.1(3)(b) Cisco 4451-X Integrated Services Router (ISR) or future approved alternate. Will include Cisco Unified Survivable Remote Site Telephony (SRST) to service calls during WAN failures and Survivable Remote Site Voicemail (SRSV) for all registered devices on site (including the rest of CMH). Will include redundant power supplies, each connected to different power sources;

7.8.7.1(3)(c) Cisco VG350-144FXS and/or VG320 (48 ports) Analog Voice Gateway or future approved alternate to meet specified analog port density plus 10% spare capacity. Will include redundant power supplies, each connected to different power sources;

7.8.7.1(3)(d) Cisco Unity Connection – latest proven version of the equipment in line with the current firmware and software releases currently in use by the Authority at time of procurement. Time of procurement will not exceed nine (9) months prior to systems Commissioning of procured systems with the exception of systems which require a longer lead time. Provide a

Unity Subscriber Server to be located in the Authority Data Center (off-site) on an Authority supplied virtual server and a Unity Publisher Sever to be a virtual sever on a physical server host located on the restricted side of the Facility MCC. Cluster will be a leaf node off the existing Authority-wide Cisco Collaboration Environment. The Unity Subscriber VM server may co-exist on the same physical server host as the CUCM Subscriber virtual server.

7.8.7.1(3)(e) Provide redundant power supplies for the on-site server host that will be running the CUCM Subscriber server and the Unity Connection Subscriber server. Each power supply will be connected to a different power source (UPS and Vital).

7.8.7.1(3)(f) Provide Cisco Unified Workspace Licensing – Professional. Ensure sufficient licensing to support all end user devices in the Facility and the rest of the CMH Campus.

7.8.7.1(3)(g) The complete telephone infrastructure will reside in a separate 4-post rack on the restricted side of the Facility MCC.

7.8.7.1(4) The Design-Builder will provide any additional horizontal cabling from the end user device end to the TR head end for any IP phones that will be deployed in the CMH Campus where existing Data Ports do not exist or are not adequate to use as a horizontal connection for an IP Phone set. Refer to Service Protocols and Specifications.

7.8.7.1(5) All provided Cisco IP phones will be connected directly to an Allocated Data Port for the IP phone. All Authority computers will also be connected directly to an Allocated Data Port. Under no circumstances in the CMH Campus or the Facility are computers will be daisy chained to an Allocated Data Port via an IP Phone without the Authority's approval.

7.8.7.1(6) The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.8.8 Wireless Infrastructure

7.8.8.1 Basic Requirements

7.8.8.1(1) Design and install a complete wireless network solution for the Facility in accordance with Appendix 1E [Authority Communications

Infrastructure Standards & Specifications] to support the extension of the wireless network located in the CMH Campus.

7.8.8.1(2) The Design-Builder will:

7.8.8.1(2)(a) Procure, program and configure all required network equipment for the wireless solution, including network switches, wireless controllers and access points;

7.8.8.1(2)(b) Be responsible for all logical network Design and network equipment configuration;

7.8.8.1(2)(c) Install all network switches and pigtails and cross connect and test all network equipment and cable infrastructure for the wireless network. Install all network equipment in accordance with all applicable Standards, including the following IEEE and TIA Standards: 802.1, 802.11 and 802.3;

7.8.8.1(2)(d) Provide a complete structured cabling infrastructure that will allow the installation of the complete wireless network, including PoE wireless access points. Final location and quantity of Allocated Data Ports and access points will be determined and approved by the Authority;

7.8.8.1(2)(e) Setup and test of all aspects of the wireless network and provide heat maps for the Facility indicating the channel coverage, signal level, data rate and noise floor for 802.11b, 802.11g, 802.11a and 5GHz 802.11n, 802.11ac (Wave 3) wireless networks;

7.8.8.1(2)(f) Ensure wireless management tools include access point locations mapped to a floor plan with RF characteristics defined for structural layers including glass, concrete, wood, drywall and metal permanently mounted RF obstacles;

7.8.8.1(2)(g) Provide the wireless network management tool configuration file to the Authority at the completion of the wireless network testing;

7.8.8.1(2)(h) Ensure that any wireless IDS features that are part of CMH Campus planning and configuration do not interfere with the wireless network; and

7.8.8.1(2)(i) Provide wireless coverage for areas outside the Facility to ensure seamless integration and transfer to the

wireless system in CMH Campus. Coverage areas to include all areas within the Site Construction boundary.

7.8.8.1(3) The wireless infrastructure will be Cisco Based system and will service 802.11a/b/g/n/ac/ax wireless communications and data transfer requirements for access by wireless devices to data and voice services within the Facility and across the Authority via the Authority WAN.

7.8.8.2 Design Requirements

7.8.8.2(1) Work with the Authority in creating an operational plan for the wireless network complete with management strategy alerts notification and resource requirements for maintenance.

7.8.8.2(2) Retain a Cisco certified network engineer with expertise and experience in working with the Authority approved equipment to design the wireless network.

7.8.8.2(3) All wireless network components will be a Cisco based 802.11a/b/g/n/ac/ax system with Cisco model 9120i/e and 9124series (or latest) wireless access points for internal and external coverage respectively, and Cisco 9800 Wireless LAN Controllers in high availability configuration (or latest) as are currently managed by the Authority. Provide all required modular components in each switch to support all protocols and functionality as designed.

7.8.8.2(4) The Cisco access points will be part of a wireless switch infrastructure and will be serviced by 10/100/1000 base T PoE+ Allocated Data Ports. The TR switch backbone to the Facility MCC to provide enough bandwidth to allow wireless services to function as designed. The wireless LAN Controllers to reside in the Facility MCC and BCC and be serviced by gigabit ethernet services as required by the wireless switches.

7.8.8.2(5) The wireless switches will be deployed in a redundant fashion, with redundant power supplies, ethernet feeds and switches. TR wireless switches will be dual 10GB to the core switches in MCC and BCC. All uplinks to terminate in a redundant core switch fabric. Ports on layer 2/3 edge switches will be capable of 10/100/1000 Mb, regardless of what is connected to them.

7.8.8.2(6) Deploy each wireless controller with local load balancing and stateful failover appropriate for the wireless access point density and application. Each controller will have license to support the full complement of the deployed access points. Deploy the wireless

controllers such that there is a minimum 5% spare access point licenses per controller.

7.8.8.2(7) Include the switch ports required by the wireless network access points in the total port count for the Facility. The list of layer 2/3 switch ports will be provided indicating the ports connected to a given access point, and the power load on the switch with the remaining available PoE+ power on the switch. The wireless network documentation to include a list of access points with the switch identification and port number indicated in a spreadsheet.

7.8.8.2(8) The Design-Builder to coordinate all vendors that require wireless network access to ensure proper coverage and performance is maintained by all systems.

7.8.8.2(9) The Design-Builder to coordinate with existing Authority vendor to ensure a successful integration with existing wireless system.

7.8.8.2(10) The Design-Builder will provide any hardware, software or licence upgrades required to connect and integrate the Facility wireless network to the CMH Campus wireless network.

7.8.8.2(11) The wireless access points for the Authority's Wi-Fi data network will be designed and installed to provide 100% coverage within the Facility and extended out to the Construction Site boundary to support a future Wi-Fi-based equipment tracking system. The Design-Builder will provide, during design, a wireless predictive survey and heat map with signal strengths as outlined herein. During Commissioning the Design-Builder will supply an active Site survey confirming coverage and signal strength.

7.8.8.3 Performance Criteria

7.8.8.3(1) The wireless network to support the following main services which will be active in the Facility:

7.8.8.3(1)(a) The Authority's administrative data services. These services do not require prioritization and will be on the default VLAN;

7.8.8.3(1)(b) The Authority's voice services which consist of 802.11a push to talk devices with multicast requirement. Voice traffic will be prioritized on the wireless and wired LAN. WMM and SVP protocols will be supported by the wireless infrastructure. Voice traffic will be on a separate VLAN(s); and

7.8.8.3(1)(c) Clinical wireless devices which consist of all handheld or mobile (cart based) wireless medical devices and include barcode scanners, bed side test equipment, mobile imaging systems and vital statistics gathering systems. Clinical devices will be on a separate VLAN.

7.8.8.3(2) Wireless network equipment will function as part of the existing network management tools and methods within the Authority.

7.8.8.3(3) Provide data rates consistent with the strictest specifications provided by the wireless Authority End-Use Equipment.

7.8.8.3(4) Provide channel dB separation consistent with the strictest specifications provided by the wireless Authority End-Use Equipment.

7.8.8.3(5) Provide an RF environment consistent with the noise floor and signal strength requirements (SNR) and consistent with the strictest specifications provided by the wireless Authority End-Use Equipment.

7.8.8.3(6) Provide at a minimum, signal strength of -65dBm in the Facility and within 10 m of the perimeter of the Site boundary.

7.8.8.3(7) The Design-Builder will meet the requirements set out in Appendix 1F [Systems Responsibility Matrix].

7.8.9 Nurse Call Systems

7.8.9.1 Basic Requirements

7.8.9.1(1) The existing nurse call system on the CMH Campus, excluding the Nurses' Residence, consists of the Rauland-Borg Responder 4000 system. The new CMH Campus nurse call system will be the Rauland-Borg Responder 5000 (R5K).

7.8.9.1(2) The Design-Builder provided R5K will:

7.8.9.1(2)(a) Be the primary life safety communication device for Patients to contact Staff;

7.8.9.1(2)(b) Be the primary communication device for Staff to alert other Staff that they need assistance in all Patient Care Areas and Clinical Spaces; and

7.8.9.1(2)(c) Promote efficient operation for Staff.

7.8.9.1(3) The Design-Builder provided R5K field devices will include:

7.8.9.1(3)(a) Marquees which will be used for call annunciation;

7.8.9.1(3)(b) Zone lights with multi zone overlays providing code wayfinding and additional functionality;

7.8.9.1(3)(c) Dome lights;

7.8.9.1(3)(d) Tone stations;

7.8.9.1(3)(e) Staff stations (SSTF);

7.8.9.1(3)(f) Dual enhanced Patient stations with feature bed interface (PD2EA+FB1) (for each bed);

7.8.9.1(3)(g) Four (4) button stations (PB44A);

7.8.9.1(3)(h) Emergency pull cord with audio stations (AUDPC);

7.8.9.1(3)(i) Emergency pull cord with audio stations water resistant (R5KAUDPC);

7.8.9.1(3)(j) Emergency pull cord without audio stations waterproof, IP68rated, (PC11WP);

7.8.9.1(3)(k) Master console stations (MCS);

7.8.9.1(3)(l) Not Used;

7.8.9.1(3)(m) Call cords including limited dexterity;

7.8.9.1(3)(n) Pillow speakers;

7.8.9.1(3)(o) Any other R5K device needed for a fully functional audio and visual nurse call system; and

7.8.9.1(3)(p) R4K2JACK.

7.8.9.1(4) New device placement and functionality requirements for the CMH Campus, excluding the Nurses' Residence, will be established in consultation with the Authority as part of the overall CMH Campus and nurse call Design.

7.8.9.1(5) All marquees and existing wayfinding will be replaced with suitable alternates, approved by the Authority, such as updated marquees, zone lights, and tone stations providing a fully functional audible and visual Wayfinding experience for all responding Staff.

7.8.9.1(6) The Design-Builder will:

7.8.9.1(6)(a) purchase, procure, install and program the R5K complete with all licensing, hardware and software necessary to meet or exceed the requirements in this Section;

7.8.9.1(6)(b) replace the existing nurse call system in the Existing Hospital with the R5K;

7.8.9.1(6)(c) provide all new devices, head end equipment, cabling, connections, programming and Commissioning for the R5K in the Existing Hospital, as indicated in Appendix 1C [Minimum Room Requirements] and as required in this Section, except in areas defined in Section 7.8.9.1(6)(h);

(c).1 A Nurse Call Reference Table is provided as Attachment 2 to Appendix 1C [Minimum Room Requirements] to serve as a cross reference for the types and features of nurse call devices to reflect the change from Rauland Responder 5 to Rauland Responder 5000;

7.8.9.1(6)(d) install a new 2-post, 482-mm (19-inch) rack in each TR that will not be renovated during Phase 2 Renovations to accommodate the additional nurse call equipment in the Existing Hospital unless the head-end equipment is better suited in wall-mounted cabinets.

7.8.9.1(6)(e) install R5K head-end equipment in the 2-post rack or wall cabinets separate from the Administrative network;

7.8.9.1(6)(f) ensure proper decommissioning of all removed devices is completed by the current nurse call vendor or an alternate pre-approved and R5K-certified vendor;

7.8.9.1(6)(g) decommission, remove, inventory and package existing nurse call system devices by device in boxes with appropriate packing material so as to not damage the device during shipping; and

7.8.9.1(6)(h) not be required to replace the existing Rauland-Borg 4000 field devices or wiring in the areas of the Existing Hospital that will be renovated during the Phase 2 Renovations. The Design-Builder will replace Rauland-Borg 4000 head-end controllers and MCS with R5K equivalent devices to maintain a fully integrated site-wide nurse call system during Phase 1 and Phase 2 Renovations.

7.8.9.1(7) A new TR will be built during the Phase 2 Renovations to replace the existing communications closet, A1A. The Design-Builder will:

7.8.9.1(7)(a) provide and temporarily install head-end equipment for the R5K nurse call system in room A1A; and

7.8.9.1(7)(b) move this equipment to the new TR once completed.

7.8.9.1(8) The Design-Builder, in consultation with the Authority will:

7.8.9.1(8)(a) Prior to designing and installing the nurse call system, review the technical capabilities of the nurse call system, hardware and software integration issues, middleware compatibility and system layout and functionality;

7.8.9.1(8)(b) Design, configure and program the nurse call system, including integration to other required systems and hardware and software functionality;

7.8.9.1(8)(c) Design and create a CMH Campus-wide (excluding the Nurses' Residence) code Wayfinding system utilizing a combination of dome and zone lights, and marquees with a common starting location per floor;

7.8.9.1(8)(d) Implement the nurse call system, including to install, program, test, integrate and commission the system;

7.8.9.1(8)(e) Train all CMH Campus Authority end-user Staff on the R5K, including programming and report generating software in the Facility prior to connecting the R5K into the upgraded Existing Hospital R5K;

7.8.9.1(8)(f) Provide factory-level training to pre-qualified CMH R5K support staff on the ongoing maintenance and support for the R5K in the Facility prior to connecting the R5K into the upgraded Existing Hospital R5K;

7.8.9.1(8)(g) Provide the Authority with a portable functioning demo kit with all of the R5K devices and identical tone and light sequences as those to be programmed and installed in the CMH Campus, excluding the Nurses' Residence, to be used as an ongoing training tool by the Authority twelve (12) months prior to Substantial Completion;

7.8.9.1(8)(h) Provide standard operating procedures for each clinical work flow, and program the nurse call system to facilitate each standard operating procedure; and

7.8.9.1(8)(i) Provide a full feature audio and visual nurse call system with half duplex communications between nurse call devices, in all Patient-accessible areas and Clinical Spaces in the CMH Campus, excluding the Nurses' Residence, including public corridors and links between buildings. For full list of room requirements refer to Appendix 1C [Minimum Room Requirements].

7.8.9.1(9) Design the nurse call system for Seamless Integration of stand-alone systems to annunciate alarms that clinical Staff need such as the annunciation of all code calls, RTLS, Patient wandering, infant protection, and wireless duress alarms.

7.8.9.1(10) Seamless Integration of the nurse call system to other systems is required to annunciate meaningful alarms requested by the Authority from these systems directly on the nurse call systems. These alarms will annunciate on alarm monitoring devices such as the R5K MCS, marquees, and wireless handheld devices based on Authority Seamless Integration requirements.

7.8.9.1(11) All code calls will be annunciated visually and/or audibly on/at the:

7.8.9.1(11)(a) new Facility Workstation-Registration Nurse Call MCS;

7.8.9.1(11)(b) Team Care stations MCS;

7.8.9.1(11)(c) Not Used;

7.8.9.1(11)(d) room dome lights associated with call origin;

7.8.9.1(11)(e) marquees;

7.8.9.1(11)(f) zone lights;

7.8.9.1(11)(g) tone stations; and

7.8.9.1(11)(h) the overhead paging system automatically.

7.8.9.1(12) Zone lights and marquees will be located throughout the CMH Campus (excluding the Nurses' Residence) and any connections between the Facility and the Existing Hospital to assist Staff in emergency response (type of Wayfinding). Final location and quantity will be determined and approved by the Authority.

7.8.9.1(13) Regardless of monitoring system type, the R5K will be provided with HL7 standard interfaces.

7.8.9.1(14) The R5K will:

7.8.9.1(14)(a) integrate with wireless Staff communication devices (such as Wireless Duress, Vocera badges, PDA's or phones) for near instant alarm response. The R5K requires Seamless Integration with the wireless Staff communication devices to allow two-way half-duplex voice communication into all required Patient locations; refer to Appendix 1C [Minimum Room Requirements];

7.8.9.1(14)(b) be on a separate physical network, bundled separately and as set out in the R5K Vendor requirements, and all network equipment for the R5K and integrate this network, in consultation with the Authority, to the Administrative network;

7.8.9.1(14)(c) connect to the Administrative and telephony network and integrate into the Existing Hospital information system to provide access to Patient information as well as additional integration for annunciation of alarms and events as required by the Specifications and clinical meetings. Extracted Patient information will be determined and approved by the Authority; and

7.8.9.1(14)(d) utilize standard yellow sheathed Commscope CAT6 cabling and connectors, as required to maintain the ULC rating of the system, for nurse call cabling routed in cable tray in main corridors and conduit from the cable tray to the device location.

7.8.9.1(15) All R5K yellow sheathed Commscope CAT6 cabling to TRs and BCC, acting as a TRs, will be terminated in accordance with Appendix 1E [Authority Communications Infrastructure Standards & Specifications], will be bundled separately from, and not be intertwined with, the Authority network cabling.

7.8.9.1(16) The Design-Builder will install R5K head end equipment in the TRs as close as possible to the Component they serve. Each floor will be served by dedicated R5K head ends located in TRs and will be networked together with redundant network loops routed independently.

7.8.9.1(17) Not Used

7.8.9.1(18) Not Used

7.8.9.1(19) Not Used

7.8.9.1(20) Not Used

7.8.9.1(21) Not Used

7.8.9.1(22) Not Used

7.8.9.1(23) Not Used

7.8.9.1(24) Not Used

7.8.9.1(25) Not Used

7.8.9.1(26) Not Used

7.8.9.1(27) Not Used

7.8.9.1(28) Not Used

7.8.9.1(29) Not Used

7.8.9.1(30) Not Used

7.8.9.1(31) Not Used

7.8.9.1(32) Not Used

7.8.9.1(33) Not Used

7.8.9.2 Quality Requirements

7.8.9.2(1) Reliability factor will be 99% or better.

7.8.9.2(2) All system equipment will be from a single manufacturer and will be the same model # from that manufacturer.

7.8.9.2(3) The R5K will be supplied by power from the R5K battery backup, and Facility UPS system with backup from the emergency vital power system.

7.8.9.3 Operating Requirements

7.8.9.3(1) Provide full duplex voice communication between all nurse call consoles and half duplex communications between nurse call devices and the staff to staff communications system.

7.8.9.3(2) At a minimum, provide an MCS in each care team station; refer to Appendix 1A [Clinical Specifications and Functional Space Requirements] and Appendix 1C [Minimum Room Requirements].

7.8.9.3(3) The MCS in the CMH Campus, excluding the Nurses' Residence, will be individually programmable to allow multiple call classification and priority levels.

7.8.9.3(4) Provide escalation of nurse call notifications to higher priorities if they are not answered. The R5K will have time-out call cascading if the calls are not cancelled and will be able to be displayed on the MCS, marquees, the wireless Staff communications system and any other type of call display required by this Schedule.

7.8.9.3(5) Provide nurse call pillow speakers for all Patient beds, including rooms for stretchers, with low voltage lighting (reading, ambient), control of motor operated blinds required by Section 6.12.3.1(4), and customized buttons for functions as determined by the Authority.

7.8.9.3(6) Provide 5 (five) specialized limited dexterity type call cords for each of the Inpatient Units and Maternity Services Unit in the CMH Campus for Patient beds when using a pillow speaker or regular call cord is not appropriate.

7.8.9.3(7) Provide twenty (20) specialized limited dexterity type call cords for use in the CMH Campus, to be distributed at the discretion of the Authority.

7.8.9.3(8) Provide five (5) regular call cords for each of the Inpatient Units and Maternity Services Unit in the CMH Campus for Patient beds when using a pillow speaker is not appropriate.

7.8.9.3(9) Provide ten (10) additional spare regular call cords for use in the CMH Campus to be distributed at the discretion of the Authority.

7.8.9.3(10) Provide a multi-call classification dome light to annunciate calls in all rooms with nurse call devices, except those with an MCS only.

7.8.9.3(11) Locate dome lights in a manner that allow Staff the best possible view from the outside of the room where the nurse call device is located. Preference is for the dome lights to be placed in the wall centrally located above the door entrance into the room.

7.8.9.3(12) Provide zone lights and/or marquees with tone controllers at corridor intersections and at Staff work locations, other than care team stations, as set out in Appendix 1C [Minimum Room Requirements]. Zone lights and marquees in corners may need to be placed at a 45-degree angle and are required on both sides of any door in a hallway that is not always held open. Final placement and quantity of marquees, APs, tone stations, dome and zone lights will be determined and approved by the Authority.

7.8.9.3(13) Provide one (1) 4-button station (PB44A) in the public corridor near the Maternity Services Unit care team station labelled ‘Male’, ‘Female’ and 'Gender neutral' to replace the existing chime functionality.

7.8.9.3(13)(a) This PB44A will also annunciate chimes throughout the common areas of the Facility and the Existing Hospital via the overhead paging system.

7.8.9.3(13)(b) This functionality will also be required to be programmed on the PB44A provided in the SRMC rooms. Audibility of the chime will be at the same dB level throughout the Facility and the Existing Hospital. Coordinate sound and volume of chime with the Authority.

7.8.9.3(13)(c) When the ‘Male’ button on the PB44A is pressed, the colour-selectable lighting system throughout the Facility will illuminate blue.

7.8.9.3(13)(d) When the ‘Female’ button on the PB44A is pressed, the colour-selectable lighting system throughout the Facility will illuminate pink.

7.8.9.3(13)(e) When the ‘Gender neutral’ button on the PB44A is pressed, the colour-selectable lighting system throughout the Facility will illuminate yellow.

7.8.9.3(14) Provide one (1) marquee and tone station and one (1) PB44A that includes code blue, code white, code pink and Staff assist – to Medical Imaging waiting area at location as directed by the Authority.

7.8.9.3(15) Provide a PD2EA+FB1 and PB44A with programmable buttons and input for the pillow speaker, call cords, and a minimum of 2 x ¼” input auxiliary devices at all Patient bed locations and as noted in Appendix 1C [Minimum Room Requirements].

7.8.9.3(16) Provide a R5KAUDPC in all Patient washrooms, between the toilet and the sinks with 2-way audio and Staff emergency alarms and as noted in Appendix 1C [Minimum Room Requirements].

7.8.9.3(17) Provide a PC11WP in all Patient washrooms that have a shower or bathtub with an extended-length call cord. The PC11WP will be interconnected with the R5KAUDPC so that when a call is initiated on either device, the audio functionality in the washroom will be activated.

7.8.9.3(18) Provide an AUDPC at any public Washroom located within an Inpatient Unit and as noted in Appendix 1C [Minimum Room Requirements] unless a wired panic duress button has already been required for the public washroom.

7.8.9.3(19) Provide the ability to program three (3) levels of priority for each PD2EA+FB1 from the MCS.

7.8.9.3(20) Provide PB44A at locations determined in consultation with the Authority as set out in Appendix 1C [Minimum Room Requirements].

7.8.9.3(21) Provide a PB44A with speaker module outside the entrance to room A1.4 Interview-Triage with customized labeling to be used as a notification call bell for visitors presenting at the ED to alert Staff of their presence. As this is part of the R5K, the annunciation can be programmed to alert a clinician on the MCS or AP/marquee in A1.4 Interview-Triage or on their Staff-to-Staff communications device (Vocera). The call will cancel upon acknowledgement.

7.8.9.3(22) Locate a second PB44A separately from the PD2EA+FB1 in all rooms as noted in Appendix 1C [Minimum Room Requirements]. In all Patient Exam/Treatment Room, Exam Rooms and similar areas locate the second PB44A in close proximity to the room entrance at a height of 1700 mm AFF, not at the Patient bedside or at the side of the Patient exam table.

7.8.9.3(23) Provide blank inserts on all PB44A where specific button functionality has not been programmed.

7.8.9.3(24) Provide an AP in Anterooms located on the wall adjacent to the Patient room so Staff can see the Patient while they are using the AP to communicate with the Patient in the isolated room via the PD2EA+FB1.

7.8.9.3(25) Provide marquees with tone controllers in hallways for call annunciation for a fully operational visual and audible R5K system in consultation with the Authority.

7.8.9.3(26) Final programming and exact location of all R5K devices in the CMH Campus, excluding the Nurses' Residence, will be determined and approved by the Authority.

7.8.9.3(27) Program workload and workflow management functionality to all areas covered by the R5K in consultation with the Authority.

7.8.9.3(28) Provide adequate audible and visual notification in rooms and corridors to ensure that R5K notifications are heard and seen

throughout each Component; refer to Appendix 1D [Acoustic and Noise Control Measures].

7.8.9.3(29) The R5K to provide an HL7 standard interfaces that will accommodate integration to Meditech (Expanse or latest) system.

7.8.9.3(30) Interface and integrate the R5K with:

7.8.9.3(30)(a) the Authority's existing Connexall middleware system for additional monitoring and vectoring of calls;

7.8.9.3(30)(b) the fire alarm system to provide the code red functionality;

7.8.9.3(30)(c) the Facility Cisco telephony system and provide sufficient audio channels for the requirements of the CMH Campus and the R5K to track calls via R5K management software. The R5K software will record all calls from all departments and response time, and allow trending and report generation;

7.8.9.3(30)(d) the wireless panic duress system to provide enhanced security response where if a wireless panic duress button is pressed the nearest corresponding marquees, APs, tones, room dome and zone lights will activate for immediate alarm response;

7.8.9.3(30)(e) the overhead paging system for immediate automated and computer-generated overhead paging so all code calls can be heard with high Intelligibility and low loss of articulation and consonants. Priority and level of audibility will be determined in consultation with the Authority;

7.8.9.3(30)(f) the RTLS system in consultation with the Authority; and

7.8.9.3(30)(g) the Authority Network for remote access or single point access of the R5K for remote diagnostics/programming and reporting via a fiber or CAT6A backbone connection.

7.8.9.3(31) The Design-Builder will ensure Seamless Integration of the system across the CMH Campus, excluding the Nurses' Residence. The R5K in the Existing Hospital will meet the requirements set out in this Schedule 1.

7.8.9.3(32) Provide programming, communication, application, database, reporting and SIP servers locally on the network to allow authorized

Authority computer access to monitor status of the nurse call system, reduce duplicate data entry, program clinical workflows, create Staff assignments to wireless devices, view historical data and track trends in real time as required and implement programming changes with the appropriate user authentication.

7.8.10 Wireless Staff Communications Systems

7.8.10.1 Basic Requirements

7.8.10.1(1) Provide network infrastructure for a complete wireless Staff to Staff communication system that will allow Staff to place calls from wireless handheld devices and initiate a two-way voice conversation. It is expected that this system will function over the Wireless Infrastructure.

7.8.10.1(2) Facility wireless Staff communication system to connect to the Authority's existing wireless Staff communication system.

7.8.10.1(3) The Design-Builder to coordinate with existing Authority Wireless Staff Communication vendor to ensure a successful integration with existing Wireless Staff Communication System.

7.8.10.1(4) The Design-Builder will provide any hardware, software or license upgrades required to connect and integrate to existing Authority Wireless Staff Communication system.

7.8.10.1(5) The wireless infrastructure system to include additional antennas in the Existing Hospital areas where additional coverage may be required to comply with this Section.

7.8.10.1(6) Access points will not interfere with the Existing Hospital's wireless staff communications systems. Final placement and programming of access points will be coordinated with the Authority's IMIT representative.

7.8.10.1(7) Each wireless device to offer the full functionality of a standard hardwired telephone handset. Ensure that the wireless infrastructure in the Facility will support all such functionality.

7.8.10.1(8) The wireless Staff communications system will have access to and integrate with the nurse call system, the Facility telephony system, voice mail, dictation system, other data network systems, and portable clinical software applications.

7.8.10.1(9) The Authority's current Wireless Staff Communication System is the Vocera system.

7.8.10.1(10) Provide the following as part of the overall Vocera system:

7.8.10.1(10)(a) Fifty (50) wireless Staff communication badges. At time of procurement, the Authority, in conjunction with the vendor, will determine the Vocera badge model which is most approved alternate to the Vocera Badges (Model B3000N) procured for the Facility and which provides optimal functionality for the Authority's end users;

7.8.10.1(10)(b) Fifty (50) licenses;

7.8.10.1(10)(c) Ten (10) 8-bay port charger stations;

7.8.10.1(10)(d) One hundred (100) extended life batteries; one (1) battery for the badge plus one (1) battery in charging station for a quick swap;

7.8.10.1(10)(e) One hundred and fifty (150) universal clips; and

7.8.10.1(10)(f) Additional equipment required to facilitate a fully functional system.

7.8.10.2 Quality Requirements

7.8.10.2(1) Comply with all applicable Standards, including all applicable handheld communications standards and the following;

7.8.10.2(1)(a) Vocera implementation Standards for 802.11 networks;

7.8.10.2(2) Wireless Staff Communication System will meet IEEE 802.11x Standards and allow sufficient bandwidth to display clinical data;

7.8.10.2(3) The Wireless Staff Communication System will provide standard telephone features as well as IP addressing and VoIP; and

7.8.10.2(4) The Wireless Staff Communication System will employ data security encryption techniques.

7.8.10.3 Operating Requirements

7.8.10.3(1) Wireless handheld devices will automatically log onto system. No manual intervention is required.

7.8.10.3(2) Provide adequate space and power outlets for wireless device charging stations inside each Component.

7.8.10.3(3) Facility wireless Staff communications systems will connect to the existing Authority wireless Staff communications systems located at the Authority offsite data centre (DC1).

7.8.10.3(4) Interface the Facility wireless Staff communications systems with the Authority's existing middleware system to receive nurse call events from the nurse call system. The Authority uses Connexall as the middleware system between the existing nurse call and wireless Staff communications systems. The Design-Builder will not use this middleware solution for any other middleware requirements without written approval from the Authority.

7.8.10.4 Performance Requirements

7.8.10.4(1) The system to consist of antenna based stations, line cards, software and wireless handheld devices. Antenna based devices will be located in unconcealed areas throughout the Facility (and the Existing Hospital if required) to provide full coverage with no dead spots, including the link from the Facility to the Existing Hospital and pathway to Deni House.

7.8.10.4(2) System will connect directly to the Facility Cisco telephony system to allow each wireless handheld communications device the same functionality as a wired phone. The Design-Builder to supply additional line cards for the Facility PBX, if required, to provide this functionality.

7.8.10.4(3) The system will include licensing for full programming as well as licensing to integrate with the nurse call system and other alarm systems to annunciate all necessary local alarms on the wireless handsets.

7.8.10.4(4) The Design-Builder will meet with clinical and IT Staff to determine the programming requirements and call groups of the Wireless Staff Communication System for the Design-Builder to program the system.

7.8.10.4(5) Facility telephony system servers will be located in the MCC in the Facility.

7.8.10.4(6) All components of the Wireless Staff Communication System will be supplied by UPS power.

7.8.10.4(7) The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.8.11 Patient Monitoring and Wireless Telemetry System

7.8.11.1 Basic Requirements

7.8.11.1(1) Provide Patient monitoring infrastructure including cardiac monitoring, pulmonary monitoring, vital signs monitoring, and

others identified in Appendix 1J [Equipment List] and Appendix 1C [Minimum Room Requirements].

7.8.11.1(2) The Facility will be wired to allow a Patient monitoring device to be connected to a centralized Patient monitoring system, with the exception of the Pharmacy and Retail and Support Services Components and dedicated mechanical spaces.

7.8.11.1(3) Any specialized wiring and components needed to connect centralized monitors will be provided by the Design-Builder to form a complete system.

7.8.11.1(4) Wireless Telemetry System monitoring will be provided on all floors as defined by the Authority's Patient monitoring vendor. The Design-Builder to ensure the Facility wireless infrastructure does not interfere in any way with the Wireless Telemetry System.

7.8.11.1(5) Coordinate with the Authority's Patient monitoring vendors the installation and requirements of the Patient monitoring and Wireless Telemetry Systems.

7.8.11.1(6) Provide neonatal cardiac Patient monitoring to Maternity CTS from Nursery Rooms.

7.8.11.1(7) Provide telemetry system in the Resuscitation Room as directed by the Authority.

7.8.11.1(8) The Authority's existing Patient monitoring vendor is Space Labs.

7.8.11.2 Performance Criteria

7.8.11.2(1) All Patient monitoring systems will be monitored at the care team station for each clinical Component. All alarms will be annunciated on the wireless Staff communication devices issued to the nursing Staff. Provide wiring and integration to accommodate this.

7.8.11.2(2) The wiring will form part of the structured cabling system.

7.8.11.2(3) Coverage for the Wireless Telemetry system will be provided for all areas that are Patient accessible.

7.8.11.2(4) The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.8.11.2(5) Each twelve (12) bed unit will require three (3) remote (satellite) Patient monitoring screens located throughout the main corridor and one (1) master station at the care team station; refer to

Appendix 1A [Clinical Specifications and Functional Space Requirements].

7.8.11.2(6) Each remote (satellite) monitoring station will consist of one (1) Allocated Data Port, two (2) duplex receptacles with one (1) on vital branch and one (1) on condition branch, and all required mounting hardware for the monitors.

7.8.11.2(7) Each master station includes three (3) monitors with mounting hardware, a Telecommunications Outlet and a duplex receptacle on vital branch. Additionally, provide a duplex receptacle on UPS branch and Allocated Data Ports for each CPU and laser printer.

7.8.11.2(8) The Patient monitoring system is considered a stand-alone system and is not a Campus Wide System. Existing Patient monitoring systems in the Existing Hospital will not be impacted by a similar system installed in the Facility.

7.8.12 Public Address System

7.8.12.1 Basic Requirements

7.8.12.1(1) Provide cable infrastructure and equipment for a public address system in the Facility. This system is part of the fire alarm system and is intended to be used for emergency pages only. Other communications systems will be used for routine communications between Staff and Patients.

7.8.12.1(2) Provide interface between existing and new fire alarm system.

7.8.12.1(3) Provide Seamless Integration to the telephony system.

7.8.12.1(4) Paging will be done via a telephone interface to the telephony system. In addition, provide a hard-wired backup microphone in emergency registration in the event the telephony system fails. This backup microphone will be able to page the entire Facility.

7.8.12.1(5) Zone paging (minimum of two (2) zones per Department). The Design-Builder to implement the zone paging number and configuration as determined and approved by the Authority.'

7.8.12.1(6) Provide complete speaker coverage of the Facility so that emergency pages can be heard with high Intelligibility and low loss of articulation and consonants unless Overhead Paging is not indicated as being required in Appendix 1C [Minimum Room Requirements].

7.8.12.1(6)(a) Paging system zoning is as follows:

(a).1 Corridors Department;
(a).2 Vestibules Floor; and
(a).3 all-call.

7.8.12.1(7) The Design-Builder will ensure Seamless Integration of the phone system which functions as the public address system across the Facility and the Existing Hospital via the Fire Alarm System in both the Existing Hospital and the Facility. This will be done by integration of a new Facility new VOIP phone system to the existing CMH Fire Alarm System through a telephony interface to broadcast overhead paging and messages to the existing CMH. The integrated system will comply with the requirements in this schedule and relevant section of the BC Building Code.

7.8.12.1(8) Provide a standalone and localized background music (BGM) system in rooms D4.4 Sterile IV Admixture and D4.7 Sterile Chemo Prep room. This music system to utilize separate and dedicated speakers in rooms to play music with an interface module (media converter) and override control to automatically shut off music from the fire alarm system.

7.8.12.2 Operational Requirements

7.8.12.2(1) Provide complete speaker coverage of the Facility so that emergency pages can be heard everywhere in the Facility with high intelligibility and low loss of articulation of consonants (5%ALCONS) unless Overhead Paging is not indicated as being required in Appendix 1C [Minimum Room Requirements].

7.8.12.2(2) Provide complete speaker coverage for the Medical Imaging waiting area.

7.8.12.2(3) Provide sound levels as follows throughout the Facility:

7.8.12.2(3)(a) Normal paging: 60 dB minimum.

7.8.12.2(3)(b) Not Used.

7.8.12.2(3)(c) Paging sound levels will be at least 10 dB above ambient noise levels in mechanical rooms and similar locations.

7.8.12.2(4) Provide all equipment necessary for a fully operational public address system, including:

7.8.12.2(4)(a) Paging amplifiers.

7.8.12.2(4)(b) Flush ceiling speakers in finished areas.

7.8.12.2(4)(c) Trumpet type speakers in mechanical and other high ambient locations.

7.8.12.2(4)(d) Microphone(s).

7.8.12.2(4)(e) Mixers.

7.8.12.2(4)(f) Switches and patch panels.

7.8.12.2(5) Size amplifiers to handle total load plus 20% spare capacity.

7.8.12.2(6) Provide telephone access for paging with a maximum delay of one (1) second between accessing system and ability to transmit page.

7.8.12.2(7) The public address system is considered a Campus Wide System. The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.8.12.2(8) The public address system will be capable for paging anywhere in the Existing Hospital, and the Existing Hospital will be capable of paging any zone within the Facility.

7.8.12.2(9) The localized background music (BGM) system will provide a USB port for music input to a localized BGM Amp/Mixer (connected to UPS power). Speakers for rooms D4.4 and D4.7 may be non-IP speakers. The BGM system will meet all applicable fire alarm annunciation and paging standards and requirements.

7.8.13 Clinical Camera System

7.8.13.1 Basic Requirements

7.8.13.1(1) Provide IP video clinical cameras that will be networked to the Design-Builder provided, separate and dedicated IP Video Decoder. This decoder will have neither software capability nor hardware to record images. A live view station will be provided. Clinical observation cameras will comply with IP video surveillance camera specifications.

7.8.13.1(2) Provide non-recording IP video surveillance clinical cameras and dedicated viewing monitors for clinical purposes as noted in Appendix 1C [Minimum Room Requirements] and Appendix 1I [Security Operations Matrix] located as directed by the Authority. Number of cameras required is as set out in Appendix 1C [Minimum Room Requirements] and Appendix 1I [Security Operations Matrix].

7.8.13.1(3) Clinical cameras at locations required by Appendix 1C [Minimum Room Requirements], will be monitored on the north and south side within the Component at care team stations.

7.8.13.1(4) Locate monitors in a position and location as directed by the Authority which will optimize viewing by Staff, privacy from Patients outside the care team station and ergonomics. Coordinate with the Millwork and GWB ceiling Design in conjunction with other systems.

7.8.13.1(5) In order to ensure Patient safety, cameras required for specialized environments will be approved by the manufacturer for that specific use and MOH requirements.

7.8.13.2 Performance Criteria

7.8.13.2(1) Provide color high-resolution, high sensitivity cameras with auto-iris lens operation. Mounting will be appropriate for the environment, unobtrusive, matching colour with hidden cabling. Cameras will be CCD image capture technology and will have a minimum 1080p of resolution.

7.8.13.2(2) Infrared illuminated cameras are required for observation in low or no light (sleeping) environments (e.g. clinical camera usage and any area where the environment light level decreases, naturally or artificially).

7.8.13.2(3) Viewing monitors will be professional grade LCD type with LED backlit (with a minimum of 24” diagonal viewing surface).

7.8.13.2(4) System will be an IP-based system utilizing the cabling infrastructure. Consult with the Authority for any required network access.

7.8.13.2(5) System will provide real-time viewing with extremely low to no latency or delay.

7.8.13.2(6) Clinical cameras will meet the requirements for cameras in Appendix 1M [Electronic Security Systems Specifications].

7.8.14 Video Conferencing and Telehealth

7.8.14.1 Basic Requirements

7.8.14.1(1) Design and construct (including all necessary building infrastructure and, as applicable, video conferencing infrastructure) and install any required equipment as required by Appendix 1J [Equipment List] in accordance with the A/V Meeting and

Conference Room Standards provided in Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.8.14.1(2) Retain audio visual professionals with expertise and experience in the application, use and integration of audio/video conferencing systems for the Design, configuration and integration of the required videoconference rooms and systems.

7.8.14.2 Quality Requirements

7.8.14.2(1) Comply with all applicable Standards and codes, including the latest IP based video conferencing Standards or the latest high speed common Standard.

7.8.14.2(2) Audio quality will be comparable to voice quality found in typical PSTN voice networks. Video quality will be high definition (1080p) and synchronized with the audio content. Video conference systems will allow for adjustments of compression and audio and video quality to accommodate for bandwidth management.

7.8.14.3 Performance Criteria

7.8.14.3(1) Design and construct Meeting Rooms and Multi-purpose Rooms in accordance with Authority's A/V Meeting and Conference Room Standards in Appendix 1E [Authority Communications Infrastructure Standards & Specifications]. Locate video cameras, video monitors, lighting systems and sound attenuation structures/materials to optimize the performance of the video conferencing systems.

7.8.14.3(1)(a) The Design-Builder is permitted to provide 41 mm conduits for AV cabling, in lieu of the 78 mm conduits as set out in the Authority's A/V Meeting and Conference Room Standards in Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.8.14.3(2) Specific room types in the Facility described in Appendix 1A [Clinical Specifications and Functional Space Requirements] correspond to the small/medium/large meeting room designations set out in Appendix 1E [Authority Communications Infrastructure Standards & Specifications] as follows:

7.8.14.3(2)(a) A5.1 Meeting Room, A7.1 Lounge-Staff-Large, B7.1 Rehabilitation Room-Satellite, B8.1 Lounge-Staff and C5.3 Meeting Room will meet the requirements for a small meeting room;

7.8.14.3(2)(b) With the exception of requiring a floor mounted electrical box for D1.4 and D5.1, A3.12 Consultation/Interview Room, D1.4 Counselling Room and D5.1 Lounge-Staff/Meeting Room will meet the requirements for a medium meeting room;

7.8.14.3(2)(c) B4.7 Meeting Room-Large will meet the requirements for a large meeting room; and

7.8.14.3(2)(d) E2.1 Multipurpose Room/EOC will meet the requirements for a large meeting room and as noted in this Section.

7.8.14.3(3) Coordinate with the Authority for network access. Video conferencing systems will be configured and adhere to the Authority security and network quality of service requirements so not to negatively impact the Authority's network performance in any way.

7.8.14.3(4) All supplied video conferencing equipment will be suitable to operate with Authority's video conferencing network.

7.8.14.3(5) Provide telehealth rough-ins for the Resuscitation Room. The rough-in will consist of in ceiling and above door cameras, mounted monitors, conduit between telehealth monitor and Authority computer, conduit between telehealth monitor and each camera location, conduit between ceiling speakers and Authority computer, and a conduit run between telehealth monitor and the boom. Conduit sizing will be a minimum of 27 mm. The Design-Builder to coordinate telehealth rough-in locations with Telecommunications Outlet and Duplex receptacle locations with the Authority.

7.8.14.3(6) The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.8.15 Patient Infotainment System

7.8.15.1 Basic Requirements

7.8.15.1(1) The Authority intends to provide a Patient Infotainment System for the Facility. The Patient Infotainment System is not to operate over the Authority network.

7.8.15.1(2) To meet the Patient Infotainment System vendor's or manufacturer's specifications for an IP based solution or necessary to provide system performance acceptable to the Authority acting reasonably, the Design-Builder will provide a separate physical network for the Patient Infotainment System.

7.8.15.1(3) All cabling will be via the structured cabling system (CAT 6A + Coaxial Cable and power at each TV location). The Authority intends for the Patient Infotainment Solution will be IP based.

7.8.15.1(4) The Design-Builder will provide and install coaxial cabling and terminations to support and connect into the incumbent local CATV provider system in distributing services throughout the Facility including all required signal repeaters and/or boosters. The Authority in conjunction with the Authority's current cable provider will provide the ongoing costs of cablevision services.

7.8.15.1(5) In public spaces:

7.8.15.1(5)(a) Provide coaxial cabling and terminations to support the distribution of public television programming (basic cable) and Patient infotainment programming throughout the Facility. During commissioning the Design-Builder will demonstrate to the Authority's satisfaction, that all installed Staff and public infotainment devices display all channels available through the Authority's existing cable package, without distortion, to meet the CRTC Standards and operate in the 8dBmv to 16dBmv range;

7.8.15.1(5)(b) Staff will control the channels/ programming via remote control and will be able to change program channels or television inputs for access to Patient infotainment programming;

7.8.15.1(5)(c) Provide one (1) faceplate with one (1) RG-6 coaxial cable and one (1) Allocated Data Port with a blue for each television location (and associated duplex receptable), as a minimum, in all waiting areas, family respite, multipurpose rooms and Staff/Doctor lounges. Refer to Appendix 1C [Minimum Room Requirements] for television location requirements.

7.8.15.1(5)(d) Provide adequate plywood backing or ceiling mounted infrastructure at each television location to accommodate the wall or ceiling mounting of televisions.

7.8.15.1(5)(e) The Design-Builder will install the Authority's supplied wall and ceiling television brackets.

7.8.15.1(6) Not Used.

7.8.15.1(7) The Patient Infotainment System will be provided to the Authority by current Patient infotainment vendor at time of installation.

7.8.15.2 Quality Requirements

7.8.15.2(1) The Patient Infotainment System will:

7.8.15.2(1)(a) Be manufactured by an industry leader and all components will be of that manufacturer;

7.8.15.2(1)(b) Meet the CRTC Standards and operate in the 8dBmv to 16dBmv range;

7.8.15.2(1)(c) Allow for future deployment of integrated bedside devices which may be greater than or equal to the standard Authority display device at the time of procurement and to have enough processing power for 30 fps of video; and

7.8.15.2(1)(d) Be compatible to the existing system used in the Existing Hospital.

7.8.16 Digital Wayfinding Infrastructure

7.8.16.1 Basic Requirements

7.8.16.1(1) The Authority requires the Design-Builder to include in the overall Facility Design the infrastructure for a digital Wayfinding and self-help kiosk system. All cabling will be via the structured cabling system.

7.8.16.1(2) Based on the final Design of the Facility, in consultation with the Authority, the Design-Builder will identify locations in the Facility that will require the infrastructure for the four (4) digital Wayfinding devices to meet the requirements of this Section.

7.8.16.2 Quality Requirements

7.8.16.2(1) The infrastructure will be designed with the following considerations:

7.8.16.2(1)(a) Not used;

7.8.16.2(1)(b) Reduce bottlenecks in high traffic areas; and

7.8.16.2(1)(c) Not used.

7.8.16.3 Performance Criteria

7.8.16.3(1) Provide floor mounted Allocated Data Port and duplex receptacle for each digital wayfinding self help kiosk.

7.8.17 Electronic Room Booking (ERB)

7.8.17.1 Basic Requirements

7.8.17.1(1) The Authority requires the Design-Builder to include in the overall Facility Design the infrastructure for an Electronic Room Booking (ERB) system. All cabling will be via the structured cabling system.

7.8.17.2 Performance Criteria

7.8.17.2(1) Design and construct the Facility to support a future electronic room booking solution to align with the Authorities current ERB System.

7.8.17.2(2) The Authority's current ERB is Evoko.

7.8.17.2(3) Provide at minimum one (1) Telecommunication Outlet mounted at 1500 mm AFF with a single Unallocated Data Port in the hallway near the entrance of each meeting room and Multipurpose Room/EOC in the Facility for the ERB. Final location of Unallocated Data Ports will be determined and approved by the Authority.

7.8.17.3 Quality Requirements

7.8.17.3(1) All wiring for the ERB will be part of the structured cabling system and will conform to all TIA Standards.

7.8.18 Workforce Management Positive Time Capture (WFM PTC) Infrastructure

7.8.18.1 Basic Requirements

7.8.18.1(1) The Authority requires the Design-Builder to include in the overall Facility Design the infrastructure for a WFM PTC system. All cabling will be via the structured cabling system. The system will be powered with a Powered Over Ethernet (POE) connection off the Authority network via an Allocated Data Port.

7.8.18.1(2) Based on the final Design of the Facility, in consultation with and approval by the Authority, the Design-Builder will identify locations in the Facility that will require the infrastructure for future WFM PTC devices to meet the requirements of this Section.

7.8.18.2 Quality Requirements

7.8.18.2(1) The infrastructure will be designed and installed with the following considerations:

7.8.18.2(1)(a) Locate in Staff-only areas where foot traffic can easily flow during peak times;

7.8.18.2(1)(b) Do not install terminals in areas around opening door swings where injury or terminal damage can occur;

7.8.18.2(1)(c) Ensure the terminal is accessible to housekeeping Staff for infection control and cleaning measures; and

7.8.18.2(1)(d) Do not install terminals in Patient or public areas or directly next to alcohol-based hand rub dispensers.

7.8.18.3 Performance Criteria

7.8.18.3(1) Design and construct the Facility to support a future positive time capture clock solution to align with the Authority's current WFM PTC System, including as follows:

7.8.18.3(1)(a) Ensure compatibility with the Authority's current WFM PTC, Infor Workforce Management 9000-Series Time Collection Terminal (ATS-PeoplePoint Plus);

7.8.18.3(1)(b) Accommodate the WFM PTC terminal dimensions of approximately 267 mm high and 229 mm wide, as well as 152 mm clearance for three-sided access around the wall-mounted WFM PTC;

7.8.18.3(1)(c) Provide total wall space of 571 mm high x 533 mm wide;

7.8.18.3(1)(d) Provide at minimum one (1) flush-mounted Telecommunication Outlet mounted so the top of the single gang box is 1.168 m AFF with a single Allocated Data Port (in the bottom right hand knockout port) on each floor of the Facility located near the main Staff entry point to the floor; and

7.8.18.3(1)(e) Final location for the WFM PTC Allocated Data Ports and infrastructure will be determined in consultation with the Authority.

7.8.18.4 Quality Requirements

7.8.18.4(1) All wiring for the WFM PTC will be part of the structured cabling system and will conform to all TIA Standards.

7.8.19 Intercommunication System

7.8.19.1 Basic Requirements

7.8.19.1(1) Local video intercommunication systems are required at locked entrance doors that delivery personnel or the public will need access through and as referenced in Appendix 1C]Minimum Room Requirements].

7.8.19.2 Quality Requirements

7.8.19.2(1) The local video intercommunication systems will be manufactured by recognized industry leaders in the intercom business.

7.8.19.2(2) All wiring for the intercommunication system will be part of the structured cabling system.

7.8.19.3 Performance Criteria

7.8.19.3(1) Provide local video intercommunication systems at all locations requiring public or delivery access that may be locked. Remote release buttons will not be used via the telephone system and will be a standalone button/toggle integrated into the access control system.

7.8.19.3(2) Provide a Vandal Resistant, colour video intercommunication system at all entrance locations needing more security as determined based on Appendix 1C [Minimum Room Requirements] and Appendix 1J [Security Operations Matrix].

7.8.19.3(3) Provide programmable all-master intercommunication system with the following capabilities:

7.8.19.3(3)(a) Loud-speaking full-duplex, hands-free operation;

7.8.19.3(3)(b) Two or three-digit number series;

7.8.19.3(3)(c) Line lockout: A fault on line blocks only extension line concerned;

7.8.19.3(3)(d) Call Queuing: The system will be able to handle multiple calls, in three priorities, Call, Priority Call and Urgent. Each priority can handle up to 20 calls in queue. The system automatic answers after the call is finished, based on priority the call was received, or selected pickup from master station icon;

7.8.19.3(3)(e) Priority feature: Incoming calls prevented from being connected “direct-in” and are announced by repeated call tone and flashing pilot lamp until manually accepted;

7.8.19.3(3)(f) All-call: All extensions can initiate or receive all-call;

7.8.19.3(3)(g) Three-way conference call capability: extensions can participate in a conference call but cannot initiate a call;

7.8.19.3(3)(h) Ability to create multiple groups on the same system with blocked access as required by users; and

7.8.19.3(3)(i) Minimum of eight (8) channels or more to ensure no busy signals based on number of stations in system. Provide additional channels after the Facility is occupied if Staff experience busy signals.

7.8.19.3(4) Provide desk loud-speaking colour video master station with handset at locations as determined in consultation with the Authority, including:

7.8.19.3(4)(a) Emergency Department Workstation-Registration area;

7.8.19.3(4)(b) All care team stations; and

7.8.19.3(4)(c) As noted in Appendix 1C [Minimum Room Requirements].

7.8.19.3(5) Provide flush wall loud-speaking master station without handset at locations including:

7.8.19.3(5)(a) Chemo prep room;

7.8.19.3(5)(b) IV prep room;

7.8.19.3(5)(c) Admixture rooms;

7.8.19.3(5)(d) In all Medication Rooms; and

7.8.19.3(5)(e) As noted in Appendix 1C [Minimum Room Requirements].

7.8.19.3(6) Video intercommunication door stations will be mounted in such a way that the area behind and beside the person requesting access is visible so the nurse can determine if other individuals are present.

7.8.19.3(7) The Intercommunication system is considered a Campus Wide System. The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.8.20 Not Used

7.8.20.1 Not Used

7.8.20.2 Not Used

7.8.21 Distributed Antenna System (DAS)

7.8.21.1 Basic Requirements

7.8.21.1(1) Provide a complete DAS solution for the Facility, including structured cabling, distribution cabling, and radiating elements required for enhancing in-building coverage for various types of wireless services.

7.8.21.1(1)(a) The Design-Builder may choose to upgrade the existing CMH Campus DAS and extend it into the Facility, which will be considered by the Authority. Upgrading the existing DAS will require the Design-Builder to make changes to the Existing Hospital DAS components, prior to installing and programming the Facility for compatibility reasons. The Design-Builder will provide a Work Plan, for approval by the Authority, if the Design-Builder elects to replace and extend the existing DAS system.

7.8.21.1(1)(b) A like-for-like replacement is unlikely due to differences in the existing DAS devices and functionality of the upgraded DAS. New device placement and functionality requirements for the CMH Campus will be established in consultation with the Authority as part of the overall CMH Campus and DAS design.

7.8.21.1(2) RF signal will be transmitted in both directions (uplink - from mobile towards a base station, and downlink - from a base station towards a mobile).

7.8.21.1(3) Not used

7.8.21.1(4) Standards

7.8.21.1(4)(a) Products will be CSA approved and/or ULC listed and labelled as required by local governing Authorities.

7.8.21.1(5) Components

7.8.21.1(5)(a) System components may include the following, as required to provide a fully functioning system:

(a).1 Coverage Antennas;

(a).2 Coax Cabling ;

(a).3 Cable Connectors, Splitters, Combiners, Couplers;
(a).4 Fiber Optic Cable, and Fiber Optic Patch Cords;
(a).5 Fiber Optic Connectors;
(a).6 Bi-Directional Amplifiers (BDA)/ Repeaters;
(a).7 DAS Hub Unit with Fiber Optic modules;
(a).8 DAS Fiber Remote Units; and
(a).9 DAD Equipment Racks.

7.8.21.2 Performance Criteria

7.8.21.2(1) The DAS will be an independent system that will support cellular and paging.

7.8.21.2(2) The DAS can be either passive, active, or a hybrid system having both passive and active segments.

7.8.21.2(3) Passive DAS

7.8.21.2(3)(a) Composed of standard and radiating coaxial cables in various diameters (such as 3/8”, 1/2”, 7/8”, etc.), couplers and power splitters which are employed to branch the base station power to indoor type Omni and/or panel antennas in remote locations.

7.8.21.2(4) Active DAS

7.8.21.2(4)(a) Composed of point-to-point optical fiber cables connecting one (1) or more local fiber-optic interfaces located in the base station to one (1) or more AC or DC power operated active heads in remote locations. The remote active heads in turn are each connected to one or more antennas.

7.8.21.2(4)(b) Active DAS will have an interface unit which converts RF signals to optical signals. This interface unit is typically co-located with the base transceiver station equipment. Optical fiber distribution is used to feed remote active heads which convert the optical signals back to RF signals which are then connected to individual antennas or to a small passive distribution system. Active systems may be multi-band.

7.8.21.2(5) Operating Frequency Bands and RF Levels

7.8.21.2(5)(a) The cellular services will operate in the LTE, HSPA and 5G bands offered by Bell, Rogers, and TELUS. The

range of frequencies supported by the DAS will extend from the UHF band 450 MHz to 3800 MHz .

7.8.21.2(5)(b) The DAS will be configured to support operation of equipment in the following frequency bands:

(b).1 Public Safety 700 MHz;
(b).2 700MHz LTE;
(b).3 Not used
(b).4 850 MHz Cellular;
(b).5 Not used
(b).6 1900 MHz PCS;
(b).7 1700/2100 MHz AWS;
(b).8 2600 MHz LTE; and
(b).9 900 MHz Paging.

7.8.21.2(5)(c) The DAS will have capability to add new frequency bands in the future by adding expansion modules in the DAS Hub.

7.8.21.2(5)(d) Mobile station receive signal levels and channel counts at the time of implementation will be set out in Carrier/Service Provider recommendations.

7.8.21.2(5)(e) The Design will assume that all channels in every frequency band are in operation simultaneously and at maximum forward power.

7.8.21.2(5)(f) Signal levels will be better than -95 dBm in at least 95% of the coverage areas after DAS implementation. Coverage areas will include the waiting areas and corridors connecting the Facility to the Existing Hospital.

7.8.21.2(6) DAS Configuration

7.8.21.2(6)(a) The DAS will be passive wherever possible. Active DAS sections will be included only if there are installation constraints, or available RF power is not sufficient.

7.8.21.2(6)(b) Access to the DAS ports will be from a DAS head end room with sufficient accommodation for the base station and network transmission equipment. This head-end room will be located on the roof in the penthouse.

(b).1 If the existing DAS in the Existing Hospital is extended into the Facility as set out in Section 7.8.21.1(1)(a), a DAS head-end room may not be required.

7.8.21.2(6)(c) The distribution for each floor will commence in a communications riser shaft. The distribution will not impede upon the structured cabling spare capacity requirements indicated in Section 7.8 Communications (Division 27).

7.8.21.2(6)(d) DAS carrier connection equipment will be located in the Facility Antenna Room on L4 (Penthouse), with the exception of Public Safety (700MHz) equipment, which will be located in the Facility EF.

(d).1 If the existing DAS in the Existing Hospital is extended into the Facility as set out in Section 7.8.21.1(1)(a), the placement of the DAS carrier equipment and Public Safety equipment within the Facility may not be required. The Design-Builder will provide different locations for the DAS carrier equipment and Public Safety equipment.

7.8.21.2(6)(e) Provide dedicated main and redundant 100 mm sleeves in the TR room risers connecting the EF and DAS head end room.

7.8.21.2(6)(f) Provide three (3) 100 mm sleeves from the DAS head end room to the roof top antenna location. Provide all water proofing and lighting protection as required.

(f).1 If the existing DAS in the Existing Hospital is extended into the Facility as set out in Section 7.8.21.1(1)(a), the sleeves will instead provide for the path from the rooftop antenna location to the nearest communications space, to interconnect to the Facility riser conduit system.

7.8.21.2(7) Radiated Power Levels

7.8.21.2(7)(a) The composite input power to any antenna in a DAS will not exceed +15dBm per channel without approval.

7.8.21.2(7)(b) In no case will the combined power level from all transmitters cause the power density to exceed Safety Code 6 RF safety limits.

7.8.21.2(8) Propagation Model

7.8.21.2(8)(a) The Design-Builder will ensure that sufficient margins are provided, so that the minimum signal levels recommended by the Carrier/Service Providers are

delivered by the designed system once it is in operation.

7.8.21.2(9) Cable and Component Labelling

7.8.21.2(9)(a) Proper identification labels will be provided by the Design-Builder in accordance with the Authority's standard labeling system.

7.8.21.2(10) Coaxial Connector Types

7.8.21.2(10)(a) All connectors will be 4.3-10. N-Type Connectors can be used for low power connections (< 1 watt) if a specific DAS component is not available with 4.3-10 connectors.

7.8.21.2(11) Corrugated Cable

7.8.21.2(11)(a) 13 mm line plenum-rated air-dielectric coaxial cable for in-building applications will be used for coaxial distribution throughout the Facility.

7.8.21.2(12) The Design-Builder will provide a complete DAS system and full coverage throughout the Facility. Infrastructure and antennas to extend the DAS in the areas not impacted by the Phase 2 Renovations work is required in the Facility. Similarly, cabling to extend the DAS in the spaces subject to the Phase 2 Renovations is required.

7.8.21.3 Radio System

7.8.21.3(1) The Design-Builder will undertake the Design and Construction of a fully digital, 2-way radio system, including all required infrastructure and equipment to support the Authority's requirements.

7.8.21.3(2) Provide a complete UHF digital and FM solution for the Facility and existing CMH Campus.

7.8.21.3(3) The 2-way radio system will be multi-channel.

7.8.21.3(4) Supply, install, label, configure, program, integrate, test and commission all components of the radio system including:

7.8.21.3(4)(a) All radios, charging stations, bi-directional amplifiers, input/output modules, antennas, patch panels, duplexers, base stations, hardware, wiring, servers, software, licenses and other components required to

provide a turn-key solution that meets or exceeds the Authority's requirements.

7.8.21.3(5) The radio system base stations will be provided and installed at the existing CMH Reception, the new Facility ED Care Team Station-Large and the new Facility ED Workstation-Registration.

7.8.21.3(6) Not used

7.8.21.3(7) Provide 20 portable digital and/or analog 2-way radios with all required equipment to complete a fully functional system.

7.8.21.3(8) Provide 10 additional portable digital/analog radios which include a dual tone multifrequency keypad and included features that include messaging, caller ID, Bluetooth, GPS and man down tilt and activity sensors.

7.8.21.3(9) The Design-Builder will provide operations, programming and maintenance training for the overall radio system including the operating, programming and maintenance manuals. User guides will be provided at the time of training.

7.8.21.3(10) Provide 100% coverage of the Facility and the CMH Campus such that radios will work in all interior spaces and exterior areas to all property lines.

7.8.21.3(11) Provide a radio interface such that alarms for all code calls from the nurse call system, the fire alarm system and wired panic/duress system are automatically sent to the portable radios with redundant digital and audio messages.

7.8.21.3(11)(a) Nurse call system code calls indicating type/code and location; floor and department only;

7.8.21.3(11)(b) Fire alarm system code/alarm only indicating fire alarm zone description as programmed in the FACP;

7.8.21.3(11)(c) Access control system alarm type (door forced open or door held open) and location; floor and department only;

7.8.21.3(11)(d) Wired panic duress system alarm's exact panic duress station ID and location; and

7.8.21.3(11)(e) Intrusion detection system alarm's location; floor and department only.

7.9 Electronic Safety and Security (Division 28)

7.9.1 General

7.9.1.1 Ensure a safe environment for Staff, Patients and visitors by proper utilization of electronic access control, video monitoring and intrusion detection systems.

7.9.1.2 Any system that is deemed to be not compliant by the Authority must be upgraded to be compliant to the extent that it may need to be totally replaced. All costs associated with this upgrade will be the Design-Builder's responsibility.

7.9.2 Fire Alarm System

7.9.2.1 Basic Requirements

7.9.2.1(1) Provide a new addressable 2 stage fire alarm system for the Facility and ensure that the system meets or exceeds the requirements in this Section. In both the Existing Hospital and the Deni House, replace all the fire alarm system devices that are required to ensure that the Facility operates as one system as per BCBC. All existing ancillary and annunciating devices that are capable of functioning on the new system shall remain such as but not limited to doorholds, fire dampers, tamper devices and speakers. It is assumed that the existing fire alarm system is in good working order and that conduit and wire are suitable to be reused as is. Provide sufficient additional notification appliances as required to meet both audibility and intellegibility requirement by BCBC. Additional devices required for code compliance (device type to be determined by the Engineer-of-Record) are not to exceed fifteen (15).

7.9.2.1(2) Provide a complete two stage (general and evacuation), supervised, 24 VDC fire detection and alarm system that includes addressable, intelligent, automatic and manual initiation devices and audio/visual alarm devices with voice evacuation capabilities. Alarm activation will be initiated by manual pull stations, smoke / heat detection, and fire sprinkler water flow devices. Alarm indication to consist of visual and combination visual/audible devices.

7.9.2.1(3) The fire alarm system to comply with all applicable Standards, including:

7.9.2.1(3)(a) Can/UL S524 Standard for Installation of Fire Alarm Systems;

7.9.2.1(3)(b) Can/UL S537 Standard for Verification of Fire Alarm Systems;

7.9.2.1(3)(c) Applicable NFPA Codes; and

7.9.2.1(3)(d) Elevator Code CSA-B44.

7.9.2.2 Performance Criteria

7.9.2.2(1) Install all fire alarm wiring in conduit. Provide two (2) hour rated cable where required to meet survivability requirements of NFPA 72.

7.9.2.2(2) Provide addressable smoke detectors as required, self-correcting analog type to maintain consistent sensitivity. The following areas will be provided with smoke detector coverage, in addition to sprinklers, for early detection:

7.9.2.2(2)(a) Electrical Rooms;

7.9.2.2(2)(b) Telecommunications Rooms;

7.9.2.2(2)(c) Resuscitation Room;

7.9.2.2(2)(d) Corridors;

7.9.2.2(2)(e) Patient treatment or exam bays; and

7.9.2.2(2)(f) Patient Rooms.

7.9.2.2(3) Provide addressable two stage manual pull stations at all exit doors and entrances to exit stairs as required.

7.9.2.2(4) Connect the sprinkler system to the fire alarm system and provide full annunciation of all alarms and trouble conditions (wet, dry and pre-action).

7.9.2.2(5) Connect the fire alarm to the generator system to annunciate ‘Generator Run’ ,‘Generator Fail-to-Run’ and General Generator Trouble’

7.9.2.2(6) Provide addressable fire alarm speakers throughout the Facility as required. Speaker system will be available to announce alarm conditions and for use as public address announcements.

7.9.2.2(7) Provide a microphone at the emergency registration desk, with telephone interface, for use of the speaker system. Pre-programmed messages will be transmitted over overhead paging system to annunciate origin of alarm. Any program sources on paging system will be muted while alarm messages are transmitted.

7.9.2.2(8) Audible alert levels will be 10 dBA above ambient with a minimum of 65 dBA and be audible in every room of the Facility except the following rooms, which will not require fire alarm audible signals:

7.9.2.2(8)(a) A3.8 Secure Room will have a reduced dBA audible level as determined by the Authority; and

7.9.2.2(8)(b) The following spaces will have visual notification devices in lieu of the 65 dBA audible signal requirement:

(b).1 A3.1 Resuscitation Room;

(b).2 A3.12 Consultation/Interview Room; and

(b).3 C2.8 Patient Room - Private - Nursery (strobe location in the room will be determined by the Authority).

7.9.2.2(9) Alternate fire alarm speakers will be wired to the same circuit with a minimum of two (2) circuits per floor (riser wiring in two separate locations).

7.9.2.2(10) Use combination audible alarm and visual notification devices where applicable, including boiler, conference rooms, mechanical rooms and all washrooms available to the public.

7.9.2.2(11) Include control devices and connection to close fire and smoke doors on activation of alarm condition.

7.9.2.2(12) Incorporate smoke control systems with control fans and dampers.

7.9.2.2(13) Provide a minimum of two (2) isolation modules per floor for alarm circuits to isolate wire to wire shorts.

7.9.2.2(14) Provide an active graphic annunciator complete with LCD display at the emergency registration area for the Facility, as required and approved by the local fire department. Remove the existing fire alarm annunciator at the existing entrance.

7.9.2.2(15) Upgrade all graphic annunciator panels and screens in the Existing Hospital to reflect the addition of the Facility. Provide new remote annunciators at all care team stations and required by relevant code or standard.

7.9.2.2(16) The fire alarm system to control the smoke evacuation system. Facility controls to interface with the fire alarm system to provide an integrated system.

7.9.2.2(17) Cross-corridor doors will be equipped with electromagnetic hold-open devices and electric locks, magnetic locks and will be

released on first stage fire alarm; refer to Section 6.8.8 Door Hardware.

7.9.2.2(18) Provide elevator homing and sequencing on first stage alarm; refer to Section 6.13 Conveying Equipment (Division 14).

7.9.2.2(19) Provide elevator control, HVAC controls, smoke exhaust controls, magnetic hold open release, fire alarm panel and active graphic display in an enclosed, dedicated CACF room located near the new emergency entrance. With reference to the door types described in Appendix 1C [Minimum Room Requirements], provide a type G aluminum sliding door with access control, as reviewed by the Authority.

7.9.2.2(20) The fire alarm system to have the capability for remote notification.

7.9.2.2(21) Fully automatic smoke detection coverage for major egress corridors will be provided, in addition to the Patient Room and Medical/Surgical Inpatient Unit and Maternity Services Unit corridors.

7.9.2.2(22) The fire alarm system to monitor fire pumps, heat tracing for sprinkler system and generator equipment.

7.9.2.2(23) The smoke detector in the Patient Rooms will also annunciate at the nurse call dome light located outside of the Patient Room, and at the nurse call zone light in the corridor and at the nurse call master station and be annunciated on the fire alarm system annunciator located at all care team stations.

7.9.2.2(24) All smoke detectors in Patient rooms and the Multipurpose/ Gathering room will have bypass capabilities to allow them to be temporarily disabled during Aboriginal smudging ceremonies. The bypass functions will be available at the main fire alarm control panel only.

7.9.2.2(25) Provide LED type indicators for remote indication that a heat and/or smoke detector has been activated in an elevator shaft (located at elevator lobby ceiling) or duct sensors that are not readily visible (located on ceiling or at visible location nearest to sensor installation). Provide remote detection (air sampling) for elevator shafts and other inaccessible locations.

7.9.2.2(26) Sprinkler zoning and fire speaker zoning will be compatible with the fire alarm zoning.

7.9.2.2(27) Provide a fire alarm annunciator in the Office-Security and a fire alarm computer workstation in the maintenance department within the Facility.

7.9.2.2(28) The fire alarm control panel (FACP), remote annunciators and printers will indicate general alarm and trouble conditions.

7.9.2.2(29) Provide gel electrolyte type batteries with overcharge protection for FACP and all transponders. Provide solid state battery charger(s) with capacity to recharge entire battery system in four (4) hours. Batteries will have enough capacity (with 25% spare time) to operate entire system (except magnetic door holders) in accordance with the BCBC.

7.9.2.2(30) The Design-Builder will ensure that the fire alarm system is of a same manufacturer across CMH Campus. The system will comply with the requirements of this Schedule.

7.9.2.2(31) The existing main fire alarm control panel is a two stage Simplex 4100U.

7.9.2.2(31)(a) An alternate fire alarm system manufacturer is acceptable, provided that the fire alarm devices, as required to facilitate an alternate vendor, in the Existing Hospital are replaced and Commissioned prior to the Commissioning of the fire alarm system in the Facility.

7.9.2.2(32) Train Staff on operation of system and incorporate fire plan in training to alert Staff to policy and procedures in case of fire alarm, and safe gathering points in case of evacuation.

7.9.2.2(33) The fire alarm system is considered a Campus Wide System. The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.9.2.2(34) The Design-Builder will provide infrastructure for the connection of new fire alarm devices on the Phase 2 Renovation floors as follows:

7.9.2.2(34)(a) A minimum of 20 detection and notification devices on Level 0;

7.9.2.2(34)(b) A minimum of 40 detection and notification devices on Level 1;

7.9.2.2(34)(c) A minimum of 50 detection and notification devices on Level 2;

7.9.2.2(34)(d) A minimum of 20 detection and notification devices on Level 3; and

7.9.2.2(34)(e) A minimum of 10 detection and notification devices on Level 4.

7.9.3 Electronic Security Systems

7.9.3.1 General

7.9.3.1(1) Design, provide and install a security system to meet Appendix 1M [Electronic Security Systems Specifications] for each system in this Section.

7.9.3.1(2) Provide fully networked integrated security systems to protect Staff, Patients, visitors and property. As part of this security management program, at a minimum, provide

7.9.3.1(2)(a) an IP Video Monitoring System to view and record events;

7.9.3.1(2)(b) an access control system to restrict access to secure areas to authorized personnel only;

7.9.3.1(2)(c) intrusion alarm detection systems to detect and report unauthorized entry into protected spaces;

7.9.3.1(2)(d) a wired public panic duress system;

7.9.3.1(2)(e) wired Staff duress system; refer to nurse call requirements; and

7.9.3.1(2)(f) wireless Staff duress system; refer to RTLS requirements.

7.9.3.1(3) All security systems will reside on a separate VLAN on the Authority's administrative network in the Facility. The security network will be designed to meet or exceed the specifications of the administrative network as specified in the document. The Security Network Infrastructure will comply with Appendix 1E [Authority Communications Infrastructure Standards & Specifications].

7.9.3.1(4) Security system will be scalable to allow for future additions and interconnections of many devices and subsystems from different manufacturers.

7.9.3.1(5) The security system will incorporate commercial off-the–shelf equipment and proven designs from manufacturers regularly

engaged in the production of models and types of equipment used in the security industry. Products will be quality control tested and verified for the intended operation prior to installation at Site.

7.9.3.1(6) All materials, including hardware and software provided will be new and the most current version or production model at the time of install.

7.9.3.1(7) Electronic security systems will maintain dependability and reliability under all operational environmental conditions, capable of 24 hours per day, seven days per week continuous operation.

7.9.3.1(8) Interconnect security systems to the fire alarm system as required by applicable Laws or Standards.

7.9.3.1(9) Arrange meetings with the Authority to coordinate system interconnections and programming requirements to integrate with the Authority's Lenel equipment infrastructure.

7.9.3.1(10) Train Staff on the use and operation of security systems and location of all security devices (2 hours per Staff). Coordinate and schedule training with the Authority.

7.9.3.1(11) Provide technology and communications systems that integrate with the Authority's existing systems and future new systems designed in accordance with these requirements, to allow Seamless Integration between the Existing Hospital, the existing Lenel server and the Facility.

7.9.3.1(12) The security systems require Seamless Integration with telephones, fire alarm, video intercom, RTLS and nurse call.

7.9.3.1(12)(a) The Design-Builder will provide the required functions for each of the systems set out in their respective sections of this Schedule 1 in the new Emergency Department Workstation-Registration, including fire alarm panels, nurse call, and telecommunications; and

7.9.3.1(12)(b) The Design-Builder will coordinate the connection to the new Emergency Department Workstation-Registration desk and provide all necessary interfaces, extenders, repeaters, and infrastructure required and provide any additional requirements as directed by the Authority.

7.9.3.2 Access Control

7.9.3.2(1) Basic Requirements

7.9.3.2(1)(a) The Authority intends to maintain and manage a central “off-site” Lenel access control head-end server and database for administration and programming of card access at various healthcare facilities under the Authority’s jurisdiction throughout the region.

7.9.3.2(1)(b) The Design-Builder will ensure Seamless Integration of the system across the Facility and the existing Lenel server.

7.9.3.2(1)(c) The access control system will integrate with the Patient wandering and infant protection system to prevent unauthorized egress.

7.9.3.2(1)(d) All Unit entrance doors will be secured after hours via the access control system and equipped with a video Intercommunication system to the associated care team station and have a remote release through the access control system located at the associated care team station.

7.9.3.2(1)(e) All public entrances to the Facility need to have a video intercommunications system that is answerable at the Security office and Emergency Department reception desk in the Facility. A dedicated remote release button connected to the access control system for each of these doors is required at the Security/Volunteer desk and ED reception desk.

7.9.3.2(2) Performance Criteria

7.9.3.2(2)(a) Card access system to utilize the existing fully redundant file servers c/w automatic fail-over for the card access system, owned and maintained at the Authority’s offsite location, and allow multiple workstations to access this file server for control and management purposes. All alarms will be annunciated at the Facility Security Office, on the security 2-way radios. Reroute all existing security connections from the CMH Security office to the Facility Security office.

7.9.3.2(2)(b) The access control system will be complete with mapping capability, which will be implemented.

7.9.3.2(2)(c) Each access-controlled door will have a local sounder to annunciate door held open and door forced open alarms.

7.9.3.2(2)(d) The access control system will function at the field controller level without connection to the PC Host or gateway. All field controllers will be Mercury panels and be connected by TCP/IP using the structured cabling plant.

7.9.3.2(2)(e) The access control system will have the capability to restrict access to Components, departments or other areas identified by the Authority in the event of an emergency or per an established schedule on a door by door basis or global command.

7.9.3.2(2)(f) The access control system will use HID Signo dual proximity type readers (HID) and be capable of reusing all existing cards presently distributed across the Authority. The access control system will be compatible with the Authority's existing systems at CMH to allow existing Authority cards to work on the system and allow new cards for the Facility to work on systems in the rest of the Authority's regions. Coordinate base programming requirements for access cards with the Authority.

7.9.3.2(2)(g) CMH is currently using the Gprox card reader system and cards. Refer to Appendix 1E [Authority Communications Infrastructure Standards & Specifications] for a current list of Vendors.

7.9.3.2(2)(h) Provide interconnectivity, licensing and interface access panels and controllers to Lenel system and head-end equipment for Seamless Integration.

7.9.3.2(2)(i) Provide and format five hundred (500) blank proximity cards to match Corporate 1000 format for Staff. Consult with the Authority on card numbering sequence and format before ordering cards to ensure compatibility with existing cards and equipment in the Facility.

7.9.3.2(2)(j) Determine the location of access control doors and door alarms within the Facility in accordance with the requirements by Appendix 1C [Minimum Room Requirements] and Appendix 1I [Security Operations Matrix].

7.9.3.2(2)(k) Provide card readers, locking hardware, request-to-exit devices, door position/alarm contacts with all associated mechanical and electric hardware and field

devices, including power supplies for a fully operational system. Areas requiring access control doors and door alarms include the following:

(k).1 Emergency Department entrance and all exterior doors;
(k).2 All links to the Existing Hospital;
(k).3 Drug storage & medication rooms;
(k).4 Component and departmental entrances;
(k).5 MCC/BCC, Telecommunications Rooms (MCR, EF, TCs) and equipment rooms;
(k).6 Main electrical rooms;
(k).7 Elevators (public & service);
(k).8 All doors to work areas and stairwells with access from public corridors;
(k).9 As required by Appendix 1C [Minimum Room Requirements]; and
(k).10 As required by Appendix 1I [Security Operations Matrix].

7.9.3.2(2)(l) Provide proximity card readers at all access/egress locations to/from all strictly controlled areas identified by the Authority, otherwise all readers will be non-pin pad models. Provide combination pin code/proximity card reader at Exterior and Interior Emergency Department entrances, as required by Appendix 1I [Security Operations Matrix] and as required by Appendix 1C [Minimum Room Requirements].

7.9.3.2(2)(m) Provide a colour IP video intercommunication system between the secure side of main entry doors and the unit entrance area/care team stations in Components or departments and areas that are strictly controlled. Provide momentary remote pushbutton operation through the access control system to release main entry doors when activated by Staff or security personnel.

7.9.3.2(2)(n) Provide audible alarms at emergency exit doors and other access controlled doors; alarms will annunciate both locally and via the integrated access system.

7.9.3.2(2)(o) Interconnect and interface all electronically controlled doors for remote “lock & unlock” capability through the Lenel access control system on a door-by-door or local global command basis for all public entry doors to each Component (wired to the associated care team station)

and public exterior entrances (wired to security desk in Facility).

7.9.3.2(2)(p) Provide clear signage indicating entry procedures. Consult with the Authority for appropriate and acceptable wording.

7.9.3.2(2)(q) Provide access control workstations complete with monitor, keyboard, mouse and sound bar at locations:

(q).1 The Security Office in the Facility.

7.9.3.2(2)(r) Provide a maintenance/administration workstation (MAW) PC complete with operating & application software, monitor, keyboard, mouse and interconnection to the security system network. Locate main MAW in a secure space within the plant services area, accessible to authorized personnel and Staff.

7.9.3.3 Wired Panic Duress System

7.9.3.3(1) Basic Requirements

7.9.3.3(1)(a) Provide a hard-wired panic duress system to operate in tandem in appropriate areas (Parking lots, public corridors and gathering areas) throughout the Facility in accordance with the level of security risk in each location.

7.9.3.3(2) Alarm notification will be received in multiple locations simultaneously including Security Office, Security Radios and local audible and visual annunciators at Staff workstations. System Design will ensure operator acknowledgement is made and allow for programmable instructions on acknowledgement.

7.9.3.3(3) Performance Criteria

7.9.3.3(3)(a) Provide a hard-wired panic duress system (Panic Duress – Wired) with a lit mushroom style button with key reset to initiate emergency assistance calls in areas of the Facility as directed by the Authority. Areas to include:

(a).1 Emergency Registration;
(a).2 Retail and Gift Shop areas;
(a).3 As required by Appendix 1C [Minimum Room Requirements];
(a).4 The Security Matrix; and
(a).5 Pharmacy.

7.9.3.3(3)(b) Parking lot panic buttons will be placed in well-lit areas spaced such that no spot may be more than a maximum of 30 m from a panic button, maximum of 10 m from the parking area edge, and at all parking area entrances.

7.9.3.3(3)(c) Panic buttons will be equipped with strobe light and annunciation after the alarm activation. Emergency call buttons will be mushroom type complete with conventional red light and manual key for system reset. The panic buttons will utilize self-diagnostic, self-monitoring and reporting technology.

7.9.3.3(3)(d) Panic buttons will be strategically located, suitably sized and identified/clearly labelled for “security emergency”.

7.9.3.3(4) Upon activation of any panic button, the exact unit ID and location will be annunciated to the Lenel mapping software at the Security Office and Security Radio’s.

7.9.3.3(5) All fixed panic buttons will be hard wired, supervised for faults, and strategically located, suitably sized, and suitable for its environment.

7.9.3.3(6) The panic buttons in areas intended for public safety use will be wall mounted and located in areas easily seen to the user.

7.9.3.3(7) The hard-wired panic duress system will be integrated to other security systems to allow for all panic alarms to be displayed on the main security system graphical map in the Security Office as they are activated.

7.9.3.3(8) Integration to either the intrusion alarm system or access control system will allow for instant monitoring and response protocols using the redundant transmission methods deployed by those systems.

7.9.3.3(9) The hard-wired panic duress system will integrate with the IP video surveillance system to associate the device which is in alarm mode with the nearest two (2) or more cameras to that device as it is activated. Those cameras will be displayed as ‘pop-up’ events on the security workstation in the Facility Security Office. The cameras will record at the highest frame rate and resolution possible for a period of 30 seconds pre alarm to 90 seconds post alarm.

7.9.3.3(10) A workstations with 3 viewing monitors will be required for Security to monitor via live view of all cameras.

7.9.3.3(11) The hard-wired panic duress system will report the alarm through the Lenel system and display the exact location on a map pod and to the Security radios which will announce the exact location using an alarm reporter integration into the Radio system. Alarms will be addressable in order to pin-point the location of the alarm.

7.9.3.3(12) The hard-wired panic duress system is not considered a Campus Wide System. The Design-Builder will meet the requirements indicated in Appendix 1F [Systems Responsibility Matrix].

7.9.3.4 Intrusion Detection

7.9.3.4(1) Basic Requirements

7.9.3.4(1)(a) Not Used

7.9.3.4(1)(b) An intrusion detection system will be installed in the Pharmacy Department.

7.9.3.4(1)(c) The new intrusion detection system will integrate into the existing Lenel system.

7.9.3.4(1)(d) The intrusion detection system signal will connect to and annunciate to the security radios.

7.9.3.4(1)(e) Not Used.

7.9.3.4(2) Performance Criteria

7.9.3.4(2)(a) The intrusion detection system(s) to utilize industry proven devices for intrusion alarm detection and reporting capable of 24 hours a day, seven days a week continuous operation, with battery backup operation in the event of power outages.

7.9.3.4(2)(b) Provide intrusion detection system(s) including alarm controllers, local keypads, motion sensors, shock sensors, glass break sensors, door contacts, strobes, sirens and other alarm initiating devices as needed for a reliable and fully operational system(s).

7.9.3.4(2)(c) Control each system with keypad(s). An intrusion alarm keypad will be located inside the Component or area being protected. A card reader with dual authentication keypad will also be installed on an exterior staff entrance door(s) for the Lenel card access system. The intrusion alarm will NOT be integrated into their Lenel credentials.

7.9.3.4(2)(d) Local alarm controllers will be integrated with the access control system. Each panel to report via a software API or dedicated dry contact I/Os to the Lenel system and to the Security 2-way radios, pagers, and the alarm system (“map pods”) in the Facility security office.

7.9.3.4(2)(e) Not Used

7.9.3.4(2)(f) Intrusion detection system and all associated alarm panels will be compatible and remotely programmable by the Authority.

7.9.3.4(2)(g) The intrusion detection system is considered a Campus Wide System. The Design-Builder will meet the requirements indicated in Appendix 1F [Systems Responsibility Matrix].

7.9.3.4(3) Overdose Notification System

7.9.3.4(3)(a) The Design-Builder will provide an overdose notification system consisting of door position contacts, motion sensors, audio/visual alerting devices, and integration with the nurse call through the integration engine in the following spaces and room types:

(a).1 Washroom-Public;
(a).2 Washroom-Public-Bariatric;
(a).3 Washroom-Patient;
(a).4 Washroom/Shower-Patient-Bariatric;
(a).5 Washroom-Patient-Bariatric; and
(a).6 Washroom/Shower Patient (A2.2.2).

7.9.3.4(3)(b) The system will achieve the following functionalities:

(b).1 The system will activate when the door to the washroom is closed, the deadbolt enabled, and motion is not detected for a duration of 1 minute within the washroom.
(b).2 Once activated, the system will continuously monitor motion within the washroom.
(b).3 If motion is not detected for a predetermined period of time (one to three minutes), the system will alarm and initiate a priority call from the nurse call audio device within the washroom. A strobe light outside the washroom will also activate upon alarm.
(b).4 10 seconds before the system alarms, a local audible and visual alert consisting of a buzzer

and LED light will activate within the washroom to alert the occupant.

(b).5 If motion is detected, the timer will reset and the countdown process will restart, and this sequence will repeat until the system is deactivated.

(b).6 The system will automatically deactivate when the door opens.

7.9.3.4(3)(c) The time required to initiate the call will be customizable and programmed as determined in consultation with the Authority.

7.9.3.4(3)(d) Provide a local key switch outside of each washroom to disable/enable the overdose notification system for that washroom.

7.9.3.4(3)(e) The overdose notification system installed at each washroom will be Tamper Resistant and Ligature Resistant.

7.9.3.5 IP Video Surveillance

7.9.3.5(1) Basic Requirements

7.9.3.5(1)(a) Provide IP video surveillance throughout the Facility and exterior areas such as entrances and parking for the purpose of viewing and recording video to enhance the level of security and assist Staff in providing a safe environment for Patients, Staff, visitors and the general public while protecting the physical assets.

7.9.3.5(1)(b) The Design-Builder will ensure Seamless Integration of the IP video surveillance system across the Facility and the Existing Hospital. The Design-Builder will provide all the required upgrades to the Existing Hospital IPVS cameras at the existing camera locations, including camera licenses, and horizontal cabling in the existing CMH. The existing IPVS NVR Server will be installed by the Authority. The system will comply with the requirements in this Schedule 1.

7.9.3.5(1)(c) The IP video surveillance system will reside on a separate vLAN on the Authority’s administrative network.

7.9.3.5(1)(d) Where video monitoring is used, the Design-Builder will provide signage to be posted in that area to notify Staff

and public. (Areas include all public and Staff entrances to the Facility, all public and Staff parking areas) that this area is under video surveillance. Protection Services has the approved signage template that must be used.

7.9.3.5(1)(e) IP video surveillance processes will be governed by the Public Surveillance System Privacy Guidelines for the Province of BC as well as the Freedom of Information and Protection of Privacy Act (British Columbia). A standard signage template is used by the Authority and can be provided to the Design-Builder.

7.9.3.5(1)(f) The system will be able to record clear images of individuals, which would allow distinction of gender and features to identify the subject beyond reasonable doubt. System will provide recorded images of sufficient quality to be used as court evidence in Canada.

7.9.3.5(1)(g) IP Video Surveillance systems cameras are to achieve a minimum of 75 Pixels per foot on target for interior spaces only; target resolution for exterior areas will be as indicated in Section 7.9.3.5(2)(b). The approximate coverage requirement will be as per the Appendix 1M Electronic Security System Specification.

7.9.3.5(1)(h) Not Used

7.9.3.5(1)(i) Not Used

7.9.3.5(1)(j) Not Used

7.9.3.5(1)(k) The new IP video surveillance system will be the newest version of a Genetec system and is to be networked to the Authority's "off-site" central Genetec Server.

7.9.3.5(2) Performance Criteria

7.9.3.5(2)(a) Camera requirements will meet or exceed the requirements listed in Appendix 1M [Electronic Security Systems Specifications].

7.9.3.5(2)(b) Provide IP video surveillance cameras at locations indicated in Appendix 1C [Minimum Room Requirements] and Appendix 1I [Security Operations Matrix]. All IP video surveillance cameras will be implemented for "Identification" applications as defined

in Section 7.9.3.5(1)(g) unless otherwise indicated. Cameras will, at a minimum, be located in the following areas:

(b).1 Main entrances & exits to the Facility (Recognition, min 60 pixels per foot);

(b).2 Secondary entrances & exits to the Facility (Recognition, min 60 pixels per foot);

(b).3 Secure Rooms and Anterooms;

(b).4 All parking areas (Observation, 19 pixels per foot);

(b).5 Entrance and exit corridors to all departments (cameras that monitor Inpatient Unit entrances are also required to be monitored at the associated care team station) (Recognition);

(b).6 Public lobbies and waiting and gathering areas (Identification);

(b).7 Elevator lobbies for public and service use (Identification);

(b).8 Perimeter walkways and walkways connecting to other buildings on the CMH Campus (Observation, 19 pixels per foot);

(b).9 Public thoroughfares and walkways (Observation, 19 pixels per foot):

(b).10 Wired panic button locations, interior common areas and circulation spaces, excluding offices (Identification);

(b).11 Retail Coffee Shop, Retail Gift Shop (Identification);

(b).12 Workstation-Registration desk;

(b).13 All stairwell doors, both sides (Identification);

(b).14 Areas where cash is exchanged or counted (Recognition);

(b).15 Drop-off and pick-up zones (Recognition, 38 pixels per foot);

(b).16 Storage Room-Controlled Substances (Identification) will require a minimum of two cameras to cover the entire room;

(b).17 Receiving area (Recognition);

(b).18 Parking entrance and exits (Recognition, 38 pixels per foot);

(b).19 Wired panic button locations, exterior spaces (Recognition, 38 pixels per foot); and

(b).20 Centrally located within the common space of the Pharmacy (Recognition).

7.9.3.5(2)(c) System(s) will be a software-based virtual matrix using the structured cable plant for transmission and recording of images.

7.9.3.5(2)(d) Provide the appropriate encoding/decoding capability to support 2-way (video and control) communications with any and all IP video surveillance camera, individually and/or in predetermined clusters via the security ethernet infrastructure.

7.9.3.5(2)(e) Provide an IP video surveillance system consisting of colour IP video surveillance cameras that provide High Definition images, colour monitors located as needed, digital PC based video recorder (network video recorder) complete with software that controls all parameters of each individual camera, frame by frame recording, pre and post alarm recording, motion detection, sequence switching, multiplexing, adjustable frame speeds, and will record all cameras through event driven recording 24-hours per day, 7 days a week in real time.

7.9.3.5(2)(f) Provide video storage capacity for minimum of thirty (30) days at minimum eighteen (18) frames per second at camera native resolution. Provide all required archive servers with required storage in the Facility MCC and client workstations. Backup directory server/archiver is not required in the BCC. System to have the ability to choose recording rates and quality for each camera, have activity detection and incorporate smart search capabilities. Motion only recording is acceptable. Data retention/storage will be supplied based on:

(f).1 H.264/H.265 Encoding;
(f).2 Camera Native Resolution;
(f).3 Minimum 18 FPS;
(f).4 70% Motion;
(f).5 30 Days retention; and
(f).6 Data storage days to be calculated utilizing RAID 6.

7.9.3.5(2)(g) IP video surveillance system to integrate with access control, wired panic buttons, and intrusion detection to allow for higher recording rates of up to 30 frames per second during alarm conditions.

7.9.3.5(2)(h) IP video surveillance display and review system will be network-based application allowing for authorized users

to remotely view, control and manage all aspects of the IP video surveillance system across the network. System will have network and web access for remote monitoring, using predefined user authentication.

7.9.3.5(2)(i) Display and review for all of the cameras will be accessible through multi-screen workstation located in the security office. Provide IP video surveillance workstations with all required operating and application software, monitors, keyboard, mouse with interconnection to security system network.

7.9.3.5(2)(j) Provide color high-resolution, high sensitivity (day/night) fixed smoke dome type with an auto iris fixed dome camera with auto-iris lens operation. Mounting will be appropriate for the environment, unobtrusive, matching colour with hidden cabling. Fixed cameras will be Vandal Resistant wall mounted and/or mounted at protective locations and heights.

7.9.3.5(2)(k) Outdoor cameras will be required for operation under varying environmental conditions.

7.9.3.5(2)(l) Cameras will not be set up in private areas such as Patient Rooms, exam rooms, exam/treatment rooms or Clinical Spaces (unless specifically identified for use by clinical Staff), locker rooms or washrooms. Cameras will not be placed or reviewed for the purpose of observing work performance of employees.

7.9.3.5(3) Corner mount correctional style clinical cameras will be installed in areas such as Secure Rooms and other specialized environments where client safety is a concern.

7.9.3.5(4) Cameras in Secure Rooms, Secure Anterooms and controlled substance rooms will be able to view all four (4) corners of the room in light and darkness.

7.9.3.5(5) Cameras located at stretcher bay, stretcher holding and as noted in Appendix 1C [Minimum Room Requirements] will be monitored from the Emergency Department care team stations.

7.9.3.5(6) Camera monitors will be provided at workstations for viewing to be located at:

7.9.3.5(6)(a) Care team stations;

7.9.3.5(6)(b) Areas noted in Appendix 1C [Minimum Room Requirements]; and

7.9.3.5(6)(c) Areas noted in Appendix 1I [Security Operations Matrix].

7.9.3.5(7) Cameras are to ensure safety through observation.

7.9.3.5(8) Infrared illuminated cameras are required for client observation in low or no light environments.

7.9.3.5(9) The IP video surveillance system is considered a Campus Wide System. The Design-Builder will meet the obligations as indicated in Appendix 1F [Systems Responsibility Matrix].

7.9.3.6 Real Time Location Systems (RTLS)

7.9.3.6(1) Basic Requirements

7.9.3.6(1)(a) The Design-Builder will supply an RTLS in the Facility. The RTLS chosen will best suit the following applications:

(a).1 Patient wandering and tracking;

(a).2 Wireless Staff duress; and

(a).3 Infant Protection System; refer to Section 7.9.3.7

7.9.3.6(1)(b) The RTLS will be server-based and allow any Authority connected workstations to access the system for supervision, mapping and reporting purposes. Dedicated wall-mounted monitors and workstations will be placed in all care team stations.

7.9.3.6(1)(c) Design and install a complete RTLS solution for the Facility that does not utilise an 802.11 wireless network or the physical Authority network.

7.9.3.6(1)(d) The RTLS solution will not negatively impact any of the Authority’s wireless networks or other systems.

7.9.3.6(1)(e) Provide a complete structured cabling infrastructure that will allow the installation of the complete RTLS network, including receivers, repeaters, exciters, and keypads as applicable.

7.9.3.6(1)(f) The RTLS solution requires Seamless Integration to the access control system to lock down doors and elevators as necessary to prevent Patient wandering.

7.9.3.6(1)(g) The RTLS solution requires Seamless Integration to the nurse call system on a room-by-room basis, such that alarms actuate the zone light for the departmental wing as well as the dome light above the room door and annunciate the location at the nearest MCS and VAP. Via the nurse call system, Staff duress alarms stating location will also be annunciated through Staff communication system (Vocera).

7.9.3.6(1)(h) Provide (100) Patient RTLS wandering devices; exact type will be confirmed in consultation with the Authority.

7.9.3.6(1)(i) Provide two hundred (200) Staff wireless duress devices; exact type will be confirmed in consultation with the Authority.

7.9.3.6(2) Quality Requirements

7.9.3.6(2)(a) Provide an RTLS manufactured by a recognized industry leader in the RTLS business.

7.9.3.6(2)(b) Tags will have a minimum of twelve (12) months of battery life in a typical usage scenario.

7.9.3.6(3) Performance Criteria

7.9.3.6(3)(a) The RTLS will provide Patient and Staff locations in all areas within the Facility to a floor and room level. For areas larger than 4 m x 4 m, location identification will be to a 4 m x 4 m or smaller area. The tracking system will update every three (3) seconds or better.

7.9.3.6(3)(b) All entry/exit locations to the Facility and each Component will have an RTLS array capable of determining direction of travel and be interfaced with the access control system such that a ‘lockdown’ of a door based on ‘tag’ credentials can be initiated automatically. Integrated keypads capable of silencing an alarm or to allow authorized users to take a tag through a portal will also be placed at all entry/exit locations.

7.9.3.6(3)(c) All tags will be ‘non-line of sight’ and will work when covered with bed sheets and shirt sleeves.

7.9.3.6(3)(d) The RTLS will provide detection of tags within elevator cabs. Provide additional exciters in each elevator cab to ensure accuracy.

7.9.3.6(3)(e) The RTLS will have the capability to support alerts and reporting based on Patient location, Patient proximity to location, Patient duration in location, and Patient proximity to other persons.

7.9.3.6(3)(f) The system will be supervised to report on tag and RTLS infrastructure health and availability.

7.9.3.6(3)(g) Tags will be submersible and cleanable within the Authority's infection control Standards and guidelines.

7.9.3.6(3)(h) Tags will be resistant to tampering and will immediately alarm if the tag is cut, damaged, or modified for unauthorised removal from a Patient.

7.9.3.6(3)(i) Staff duress tags will have a visual alerting option (LED or light on tag).

7.9.3.6(3)(j) The RTLS system will be designed such that if doors or devices on the system loose connectivity they will continue to operate in stand-alone mode, complete with manual override.

7.9.3.7 Infant Protection System

7.9.3.7(1) Basic Requirements

7.9.3.7(1)(a) Provide an infant protection system that does not utilise the Authority's 802.11 wireless or wired network.

7.9.3.7(1)(b) The system will be provided for the following Components or departments:

(b).1 Maternity.

7.9.3.7(1)(c) Provide a quantity of tags as follows:

(c).1 One hundred (100) infant protection system tags.

7.9.3.7(2) Performance Criteria

7.9.3.7(2)(a) The infant protection system will be capable of identifying and tracking an infant tag anywhere within the specified Components or departments, with location to a room level. For areas larger than 4m x 4 m, location identification will be to a 4m x 4m or smaller area. The tracking system will update every three (3) seconds or better.

7.9.3.7(2)(b) The Design-Builder will ensure that real-time location mapping of tags is displayed at a workstation at the care team station(s).

7.9.3.7(2)(c) All entry/exit locations to the specified Components or departments will have an array capable of determining direction of travel and be interfaced with the access control system such that a ‘lockdown’ of a door based on ‘tag’ credentials can be initiated automatically.

7.9.3.7(2)(d) The infant protection system will interface with all elevators such that the elevator cabs will not leave the floor in cases where the infant protection event is initiated when a tagged infant is present in the elevator cab and doors are not in the fully closed position. In such instances the elevator doors will return to their fully open position and the elevator will lock down until such a time that the in-car exciter is no longer active. Provide additional exciters in each elevator lobby to ensure accuracy. It is required that the elevator cabs will still be permitted to travel to all levels including those with active elevator lobby exciters.

7.9.3.7(2)(e) System will provide alert on the workstation maps for tagged infants based on:

(e).1 proximity to the specified Component perimeter for infant protection tags; and

(e).2 status of a tag, such as low battery, tag removed, tag tamper, or tag failure.

7.9.3.7(2)(f) When an infant protection system tag is in close proximity to a Component perimeter:

(f).1 a local siren and strobe is activated at the perimeter door under alarm; and

(f).2 the perimeter door under alarm is secured via the access control system.

7.9.3.7(2)(g) The infant protection system requires Seamless Integration to the nurse call system on a room-by-room basis, such that alarms actuate the zone light for the departmental wing as well as the dome light above the room door and annunciate the location at the nearest MCS and VAP. Via the nurse call system, infant protection alarms stating location will also be annunciated through Staff communication system (Vocera).

7.9.3.7(2)(h) Infant protection tags will have a minimum of twelve (12) months of battery life in a typical usage scenario.

7.9.3.7(2)(i) Infant protection tags will be ‘non-line of sight’ and work when covered with baby swaddling, bed sheets or shirt sleeves.

7.9.3.7(2)(j) Tags will be submersible and cleanable within the Authority’s infection control Standards and guidelines. Tags will be sized and fit for purpose for newborn infants.

7.9.3.7(2)(k) Tags must alert if the band is tampered with; skin sensor alerts will also be required.

7.9.3.7(2)(l) The infant protection system will be designed such that if doors or devices on the system lose connectivity, they will continue to operate in stand-alone mode, complete with manual override.

PART 8. SITE AND INFRASTRUCTURE SUBGROUP SPECIFICATIONS

8.1 Earthworks (Division 31)

8.1.1 Site Grading

8.1.1.1 Basic Requirements

8.1.1.1(1) Grade Site, including waste removal, stripping, clearing, grubbing, common excavation, rock removal, trenching, backfilling, embankment, controlled density fill, dewatering, and compaction,

8.1.1.2 Performance Criteria

8.1.1.2(1) Site grading will meet the recommendations provided by the Design-Builder's geotechnical engineer.

8.1.1.2(2) Work of this Section will be carried out in accordance with guidelines and Specifications listed in Part 2, unless otherwise noted.

8.1.2 Retaining Walls and Fencing

8.1.2.1 Basic Requirements

8.1.2.1(1) Design and construct retaining walls consistent in materials and quality to that of the CMH Campus where required for Site grading. Soil nail walls are to have a decorative façade that is coloured and textured to complement landscape.

8.1.2.1(2) Geogrid tie-backs and soil nails will be located on the CMH Campus.

8.1.2.1(3) If required, design and construct decorative safety railing or fence along the top of the retaining wall.

8.1.2.1(4) If required, design and construct vehicle safety barriers.

8.1.2.1(5) Meet any form and character requirements by the Authority Having Jurisdiction.

8.1.2.1(6) All retaining walls and constructed slopes will be clearly identified, coordinated and referenced on the Site Plan, the Landscape Grading Plan, and with the other disciplines. Plans to clearly indicate top and bottom elevations and extents.

8.1.2.1(7) Any fencing removed around the perimeter will be re-instated with new poles. Re-instatement of fencing will account for any change

that may impact the re-instating the fence, such as grade changes, new retaining walls, barriers, and pedestrian access changes.

8.1.2.2 Performance Criteria

8.1.2.2(1) Work of this Section will be carried out in accordance with guidelines and Specifications listed in Part 2, unless otherwise noted.

8.1.2.2(2) Wall faces will be decorative, coloured, and graffiti resistant to meet the landscape design principles. Apply anti-graffiti coatings to wall faces to a minimum height of 2400 mm above finished ground, or to the next logical breakpoint in the material above that height.

8.1.2.2(3) Railing to meet BC Ministry of Transportation Standard Specifications Section 741.

8.1.2.2(4) Vehicle safety barriers to meet BC Ministry of Transportation Standard Specifications Section 941 or as otherwise warranted. The concrete in the barriers will be coloured to meet the landscape design principles.

8.1.2.2(5) Any Subcontractor hired by the Design-Builder to construct a soil nail wall and façade will be qualified and known in the industry with experience with this type of construction.

8.2 Exterior Improvements (Division 32)

8.2.1 Pavement Structure

8.2.1.1 Basic Requirements

8.2.1.1(1) Design and construct pavement structure for new surface parking areas and driveways. Driveway access locations to perimeter roadways to match existing driveway access locations.

8.2.1.1(2) Pavement structures will meet the recommendations provided by the Design-Builder’s geotechnical engineer.

8.2.1.1(3) Utilize asphalt paving in areas where vehicle traffic and snow clearing equipment require a smooth surface for travel.

8.2.1.1(4) Asphalt surface will be provided with a minimum of 1.0% grade slope to drains.

8.2.1.1(5) Maximum grade for drive aisle where there are no parking stalls, not to exceed 6.0% unless justified and approved by the Authority, but in no case is it to exceed 12.5%.

8.2.1.1(6) Maximum grade for parking stalls not to exceed 5.0% in any direction and not to exceed 3.5% in a cross slope direction (measured from side to side).

8.2.1.1(7) Parking stalls for Persons with Disabilities will not exceed 2.0% slope in any direction.

8.2.1.1(8) Mill lap joint where asphalt tie-in thickness is 80 mm or thicker, otherwise saw cut smooth edge.

8.2.1.2 Performance Criteria

8.2.1.2(1) Exceed limits defined by regional average freeze thaw cycles averaged over a twenty-year period. Work of this Section will be carried out in accordance with guidelines and Specifications listed in Part 2, unless otherwise noted.

8.2.2 Concrete Paving

8.2.2.1 Basic Requirements

8.2.2.1(1) Utilize concrete paving in areas that require firm, long lasting hard surfaces for activities such as pedestrian pathways, loading docks and Facility entrances, as well as curbs and gutters.

8.2.2.1(2) Utilize decorative paving in areas where a high level of finish is desired including the lay-by stall area to differentiate vehicular zones.

8.2.2.1(3) Concrete pavement structures intended for vehicular will meet the recommendations provided by the Design-Builder’s structural engineer.

8.2.2.1(4) Concrete gutter grades will be a minimum of 0.5%.

8.2.2.1(5) Walkway grades designed for access by Persons with Disabilities will not exceed 5.0%, unless justified and approved by the Authority.

8.2.2.2 Performance Criteria

8.2.2.2(1) Work of this Section will be carried out in accordance with the guidelines and Specifications listed in Part 2, unless otherwise noted.

8.2.3 Pavement Markings and Signage

8.2.3.1 Basic Requirements

8.2.3.1(1) Design and construct pavement markings and signage.

8.2.3.1(2) Stop bars and directional arrows will be of thermoplastic material.

8.2.3.1(3) Drawings for the Design will include marking materials, marking colours, dimensions of markings, dimensions of driving lanes, etc.

8.2.3.2 Performance Criteria

8.2.3.2(1) Work of this Section will be carried out in accordance with guidelines and Specifications listed in Part 2, unless otherwise noted.

8.2.4 Exterior Furnishings and Seating Areas

8.2.4.1 Basic Requirements

8.2.4.1(1) Provide all exterior furnishings such as benches, garbage containers, bicycle racks and all landscape components.

8.2.4.2 Performance Criteria

8.2.4.2(1) Select products for their suitability on the basis of user safety and comfort, of design and materials that relate to the Facility architecture and landscape Design, and of durability and required maintenance in the climatic conditions found on the CMH Campus.

8.2.4.2(2) Select products with Vandal Resistant and anti-theft design features;

8.2.4.3 Provide landscape elements and exterior furnishings to meet the following requirements:

8.2.4.3(1) Unify the exterior ground plane treatment through the use of common paving materials, tree grates, lighting and other landscape elements. Clearly show the installation and construction details for the integration of these various elements;

8.2.4.3(2) Provide and coordinate the Design of exterior furnishings, including benches provided at regular intervals for ease of use, particularly for people with differing levels of mobility and physical and mental wellness;

8.2.4.4 Seating in outdoor public areas will

8.2.4.4(1) be designed for a variety of visitors to the CMH Campus;

8.2.4.4(2) be designed to allow a wheelchair to sit alongside fixed seating or, where tables are provided, to allow a wheelchair to pull up to each table;

8.2.4.4(3) have 25% of seating provided with backrests;

8.2.4.4(4) have a middle armrest on benches in public areas to prevent people from sleeping on the bench; and

8.2.4.4(5) shed rain water or be under shelter, either built or natural;

8.2.4.5 Outdoor seating areas with benches will be located:

8.2.4.5(1) at the Emergency Department entrance to the Facility; and

8.2.4.5(2) within the landscape areas at a distance of no more than 12 m apart;

8.2.4.6 Provide exterior waste receptacles at all gathering spaces and all entrances to the Facility that are wildlife-proof and accessible to Persons with Disabilities;

8.2.4.7 Utilize a variety of scales, locations and orientations of seating areas and exterior furnishings to cater to varied outdoor activities and varied experiences of the Staff and visitors; and

8.2.4.8 Encourage temporary use of the exterior furnishings and outdoor seating areas while preventing sleeping and the setting up of tents or shelters.

8.2.5 Storage Sheds

8.2.5.1 Basic Requirements

8.2.5.1(1) Sheds to be removed are deemed demolition work.

8.2.5.2 Performance Criteria

8.2.5.2(1) Quality of building materials will be equivalent to the existing or better, but in no case will they be less than what is required by the codes and Standards listed in Part 2.

8.2.6 Growing Medium

8.2.6.1 Basic Requirements

8.2.6.1(1) Provide a growing medium with a mixture of mineral particulates, micro-organisms and organic matter which will provide a suitable medium for supporting plant growth.

8.2.6.2 Performance Criteria

8.2.6.2(1) Amend existing soil as recommended by a qualified Soil Scientist. Amend existing topsoil stockpiles on site and topsoil imported to the Site in accordance with the recommendations of the soil test results.

8.2.7 Seeding and Sodding

8.2.7.1 Basic Requirements

8.2.7.1(1) Provide sod in high use areas and outdoor patio spaces to provide a usable surface.

8.2.7.1(2) Provide seed in proposed natural areas of the Site and to blend in with the adjacent landscape areas.

8.2.7.2 Performance Criteria

8.2.7.2(1) Use number one turf grass nursery sod that has been sown and cultivated in nursery fields as turf grass crop in climatic zone comparable to the Site.

8.2.7.2(2) The seed mix to have a demonstrated suitability to the climatic and soil conditions found at the Site. In natural areas the seed mix will be specifically developed to match the adjacent surrounding natural areas.

8.2.8 Trees, Shrubs and Ground Cover Planting

8.2.8.1 Basic Requirements

8.2.8.1(1) Outdoor settings will have vegetation such as sage, Little Salmon Eyes (Gaillardia aristata), juniper, bitterroot, wild onions, grasses and ferns, pine, fir, birch and aspen trees, and Soapberries and Saskatoon berries; refer to Section 3.10.

8.2.8.1(2) Provide planting to create scale, natural ambience, visual screening, acoustic screening and space definition;

8.2.8.1(3) Conform landscaping to Crime Prevention Through Environmental Design (CPTED) principles and to address the findings of the Facility Threat and Risk Assessment Report described in Schedule 2 [Review Procedure], Appendix 2A [Submittals].

8.2.8.1(4) Provide plantings to support the landscape Design by reinforcing spatial relationships and way-finding. The plant selection and placement will address micro-climates surrounding the Facility and mitigation of heating and cooling loads.

8.2.8.2 Performance Criteria

8.2.8.2(1) Select and place trees, shrubs and ground covers to mitigate temperature fluctuations and winds.

8.2.8.2(2) Retain any healthy existing trees that do not conflict with the development and Site grading.

8.2.8.2(3) Engage an arborist to evaluate existing trees.

8.2.8.2(4) Select trees, shrubs and ground covers from species that are indigenous or adapted to the region.

8.2.8.2(5) Plants will comply with the current edition of the BC Landscape Standard, published by the BC Society of Landscape Architects and the BC Landscape and Nursery Association. Plant material will be grown in the specific Plant Zone of this Site in accordance with the Plant Hardiness Zones in Canada.

8.2.8.2(6) Use mulching, high efficiency irrigation, temporary watering for plant establishment, recycled or non-potable water strategies.

8.2.9 Green Roofs

8.2.9.1 Basic Requirements

8.2.9.1(1) Extensive green roofs will provide energy performance benefits, fauna habitat and aesthetically pleasing vistas as viewed from surrounding indoor spaces.

8.2.9.1(2) Extensive green roofs will utilize a proprietary pre-grown tray system such as LiveRoof Maxx 8 system or an acceptable alternative as reviewed by the Authority.

8.2.9.1(3) Intensive green roofs will consist of a build-up system such as the Roof Garden system by ZinCo, or an acceptable alternative as reviewed by the Authority, and will accommodate a variety of plant types from lawns and perennials to shrubs and small trees.

8.2.9.2 Performance Criteria

8.2.9.2(1) Green roof assemblies will, as a minimum, consist of a root repellent membrane, a drainage system, a filtering layer, minimum 200 mm growing medium and plants, and will be installed on a waterproof membrane. Erosion control soil bags are not an acceptable green roof system design.

8.2.9.2(2) Landscape plans will demonstrate details for Construction, access requirements for maintenance, water availability, irrigation methods, and the extent of maintenance required. If used, all

extensive green roof areas will have low maintenance requirements and be appropriate for the micro-climate of each roof area.

8.2.9.2(3) Confirm and provide maintenance access to all green roof areas.

8.2.9.3 Parapet height and/or Overflow Scupper Locations

8.2.9.3(1) Parapets heights and overflow scuppers will be specified in the Design, as required, to limit retained rainwater loads to within structural limits in the event of obstructed internal drains.

8.2.9.4 Waterproofing Protection

8.2.9.4(1) The Design and Construction will include installation of a root barrier in all vegetated roofing systems.

8.2.9.5 Drainage

8.2.9.5(1) The design hydraulic load will be evaluated assuming that the green roof system is fully saturated prior to the maximum fifteen-minute rainfall.

8.2.9.5(2) Positive slope to drain will be provided at the level of the waterproofing membrane.

8.2.9.5(3) The system will permit effective drainage beneath the growth media.

8.2.9.5(4) Vegetation-free zones will be provided around all drains.

8.2.9.6 Water Retention

8.2.9.6(1) Water retention mats or approved alternate materials will be employed as required to promote vegetation growth.

8.2.9.6(2) The drainage layer will be appropriate for storm water retention and will be selected to comply with ASTM E2398-05 Standard Test Method for Water Capture and Media Retention of Geo-Composite Drain Layers for Green Roof Systems.

8.2.9.7 Plant Selection

8.2.9.7(1) Plantings will be low maintenance, such as sedum species, and adaptive to the specific micro-climate of each roof area.

8.2.9.7(2) Vegetation on a green roof will not include noxious weeds as defined in the latest revision of the British Columbia Noxious Weed Control Act.

8.2.9.7(3) The plant selection and Design on extensive green roofs will be such that plants will cover 100% of the vegetated roof area at the time of installation.

8.2.9.8 Irrigation

8.2.9.8(1) Adequate measures will be provided to permit the irrigation necessary to initiate and sustain the vegetation during the service life of the green roof.

8.2.9.8(2) Green roofs will have a high-efficiency irrigation system that includes the following features: pressure regulating sprinklers, check valve in sprinklers at low areas, matched precipitation rate nozzles, separate zones based on microclimate, and wind resistant spray nozzles.

8.2.9.8(3) Proprietary drip or capillary irrigation is acceptable where manufacturer-designed built-up green roof systems are employed.

8.2.9.9 Fire Safety

8.2.9.9(1) Where roof penetrations, intersecting walls, parapets, upturns or mechanical equipment are clad with combustible materials, the Design will include a vegetation-free border zone abutting such feature and the vegetation-free border will be equal to the vegetation height at maturity but in no case less than 0.5 m.

8.2.9.10 Wind Protection

8.2.9.10(1) All green roof landscape materials and Site furnishings will be designed and secured to prevent any disturbance or movement due to the impacts of wind.

8.2.10 Irrigation

8.2.10.1 All soft landscape areas will be irrigated by a permanent, automatic and high efficiency irrigation system meeting the following requirements:

8.2.10.1(1) The irrigation system will comply with the Irrigation Industry Association of B.C’s Standards for Landscape Irrigation Systems;

8.2.10.1(2) The irrigation Design will be supervised and approved by a BCSLA registered landscape Architect;

8.2.10.1(3) The irrigation system Design will be prepared by a Certified Irrigation Designer and Certified Landscape Irrigation Auditor (CLIA); and

8.2.10.1(4) The irrigation system will be installed by an IIABC Certified Irrigation Contractor – Commercial (CIC).

8.2.10.2 Incorporate efficient, low-water-use irrigation design where practical and appropriate, utilizing harvested water if possible.

8.2.10.3 Raised planters and pots will have a drip system, as follows:

8.2.10.3(1) Drip line will have pressure compensating emitters; and

8.2.10.3(2) Each drip zone will have an inline filter, inline pressure-regulating valve and air-relief valve.

8.2.10.4 Grass areas will have a high-efficiency spray irrigation system that includes the following features: pressure-regulating sprinklers, check valve in sprinklers at low areas, matched precipitation rate nozzles, separate zones based on microclimate, wind resistant nozzles.

8.2.10.5 All valves, controllers or other irrigation equipment will be housed in a lockable enclosure.

8.2.10.6 The controller for the irrigation systems will be an electronic, programmable, multi-zone controller with a rain sensor or weather station meeting the EPA's WaterSense Criteria.

8.2.11 Maintenance

8.2.11.1 Delineate the extents of the different levels of landscape maintenance requirements for establishment and continued sustainability of this Project.

8.2.11.2 Provide a landscape Design with low maintenance requirements where practical and appropriate. Landscape maintenance requirements will vary for the high-use courtyards and roof gardens of the Facility and the perimeter streetscapes.

8.2.11.3 Maintenance period performed by Design-Builder will be one year after acceptance of construction completion certificate.

8.2.11.4 Warranty Period for all landscape material will be one year after Substantial Completion.

8.2.12 Sustainability

8.2.12.1 Concept plan submission will include an outline of the sustainability elements in the exterior spaces.

8.2.12.2 Provide sustainable street tree planting using current best management practices.

8.2.12.3 Maximize the amount of landscape areas on the Site and minimize the area of impervious surfaces to increase the natural absorption rate of storm water. Coordinate with storm water management criteria.

8.2.12.4 A combination of pervious paving, green roof, absorbent landscaping and infiltration reservoirs are potential best management practices to meet the requirements of any City rainwater management plans. Coordinate the Design of the landscape elements with these requirements.

8.2.12.5 Site lighting will conform to LEED® light spillage requirements, complete with sharp cut-off to be dark-sky compliant, to meet LEED certification requirements.

8.3 Utilities (Division 33)

8.3.1 Design and construct utilities to service the Facility with a reliable infrastructure that is maintainable without disrupting the effective operation of the Existing Hospital. Restore pavement structure and landscape to existing condition or better.

8.3.2 Manholes and Catch Basins

8.3.2.1 Basic Requirements

8.3.2.1(1) Section includes

8.3.2.1(1)(a) Monolithic concrete manholes with transition to lid frame, covers, anchorage, and accessories.

8.3.2.1(1)(b) Modular precast concrete manhole sections with tongue and groove joints with masonry transition to lid frame, covers, anchorage, and accessories.

8.3.2.2 Performance Criteria

8.3.2.2(1) Work of this Section will be carried out in accordance with guidelines and Specifications listed in Part 2, unless otherwise noted.

8.3.2.2(2) All manholes and Utility access points will be accessible by a maintenance vehicle. Vehicular accesses to the manholes and Utility access points will be free and clear of obstruction and are to support the load of the utility maintenance vehicle.

8.3.2.2(3) Finished surfaces for the vehicular accesses will be low maintenance.

8.3.3 Concrete Pavers and Slabs

8.3.3.1 Basic Requirements

8.3.3.1(1) Provide precast concrete paving slabs manufactured with either integral color, special aggregates and/or architectural finishes to enhance their appearance.

8.3.3.1(2) Provide precast concrete paving slabs on pedestals for pedestrian plaza areas.

8.3.3.2 Performance Criteria

8.3.3.2(1) Provide Freeze-thaw durability when exposed to de-icing salts and conformance to dimensional tolerances.

8.3.3.2(2) Comply with CSA A231.1/A231.2, Precast Concrete Paving Slabs/Precast Concrete Pavers.

8.3.3.3 Pavement Markings and Signage

8.3.4 Water Utility Distribution Piping

8.3.4.1 Basic Requirements

8.3.4.1(1) Section includes

8.3.4.1(1)(a) Pipe, fittings, accessories, and bedding for water line including domestic water line and fire water line.

8.3.4.1(1)(b) Valves, fire hydrants and domestic water hydrants.

8.3.4.1(1)(c) Connection to municipal system or existing onsite infrastructure.

8.3.4.2 Performance Criteria

8.3.4.2(1) Work of this Section will be carried out in accordance with guidelines and Specifications listed in Part 2, unless otherwise noted.

8.3.5 Site Sanitary Sewerage Piping

8.3.5.1 Basic Requirements

8.3.5.1(1) Section includes

8.3.5.1(1)(a) Sanitary sewerage drainage piping, fittings, accessories, and bedding.

8.3.5.1(1)(b) Connection of building sanitary drainage system to municipal sewers or existing onsite infrastructure.

8.3.5.1(1)(c) Clean out access.

8.3.5.2 Performance Criteria

8.3.5.2(1) Work of this Section will be carried out in accordance with the guidelines and Standards listed in Part 2, unless otherwise noted.

8.3.6 Stormwater Management Systems

8.3.6.1 Basic Requirements

8.3.6.1(1) Section includes

8.3.6.1(1)(a) Site storm sewer drainage piping, detention facilities, stormwater treatment units, fittings, accessories, and bedding.

8.3.6.1(1)(b) Connection of drainage system to municipal storm sewers or existing onsite infrastructure.

8.3.6.1(1)(c) Catch basins, plant area drains, paved area drainage, and Site surface drainage.

8.3.6.2 Performance Criteria

8.3.6.2(1) Work of this Section will be carried out in accordance with guidelines and Specifications listed in Part 2, unless otherwise noted.

8.3.7 Foundation Drainage

8.3.7.1 Basic Requirements

8.3.7.1(1) Section includes

8.3.7.1(1)(a) Facility perimeter, retaining wall and under slab on fill weep drainage system.

8.3.7.1(1)(b) Filter aggregate, fabric and bedding.

8.3.7.1(2) Pipe materials will be

8.3.7.1(2)(a) Polyvinyl Chloride pipe: to ASTM D2729, with required fittings or;

8.3.7.1(2)(b) Concrete pipe: to ASTM C412, with required fittings.

8.3.7.1(3) Accessories will be

8.3.7.1(3)(a) Pipe coupling: solid.

8.3.7.1(3)(b) Joint cover: No. 15 or 30 asphalt saturated roofing felt or polyethylene.

8.3.7.1(3)(c) Filter Fabric: Water pervious type, black polyolefin or polyester.

8.3.7.2 Performance Criteria

8.3.7.2(1) Foundation drainage to carry all sub-surface ground water away from footings and foundation walls and into the onsite storm drainage system.

8.3.7.2(2) Installation to meet the requirements of the BCBC and all applicable municipal codes and bylaws.

8.3.8 Propane and Natural Gas Site Piping

8.3.8.1 Basic Requirements

8.3.8.1(1) Section includes

8.3.8.1(1)(a) Pipe and fittings for Site Utility natural and propane gas distribution.

8.3.8.1(1)(b) Propane storage tanks.

8.3.8.1(2) Quality Requirements

8.3.8.1(2)(a) ANSI B31.2 Fuel Gas Piping

8.3.8.1(2)(b) NFPA 54 National Fuel Gas Code

8.3.8.1(2)(c) NFPA 58 Liquefied Petroleum Gas Code

8.3.8.2 Performance Criteria

8.3.8.2(1) Perform work in accordance with the requirements of the gas transmission Utility and all local governing codes and bylaws.

8.3.8.2(2) Welding Materials and procedures: Conform to ASME Boiler and Pressure Vessel Code and applicable provincial regulations.

8.3.8.2(3) Welders Certification: In accordance with ASME SEC IX.

8.3.8.2(4) Natural gas compound will preferably be located underground with appropriate access provided. If not located underground, it will be screened architecturally for visual appearance consistent with the Facility.

Interior Health

APPENDIX 1A

CLINICAL SPECIFICATIONS AND FUNCTIONAL SPACE REQUIREMENTS

Table of Contents

PART 1. EXECUTIVE SUMMARY

1.1 PURPOSE

1.1.1 The primary purpose of this Appendix 1A [Clinical Specifications and Functional Space Requirements] is to define the scope of the Facility to be designed and constructed as part of the Cariboo Memorial Hospital (CMH) Redevelopment Project in terms of its programs and services, functionality and space requirements.

1.2 PROJECT SCOPE

1.2.1 This Appendix 1A incorporates the following considerations and inputs:

1.2.1.1 Current CSA standards for healthcare facility design;

1.2.1.2 Current population projections;

1.2.1.3 New program information and requirements solicited through a user engagement process; and

1.2.1.4 Changes in direction, policies and services for the Authority and CMH.

1.2.2 The Components included in the Facility and described in this Appendix 1A are the following:

1.2.2.1 A – Emergency Department;

1.2.2.2 B – Medical-Surgical Inpatient Unit;

1.2.2.3 C – Maternity Services Unit;

1.2.2.4 D – Pharmacy; and

1.2.2.5 E – Retail and Support Services.

1.3 BUILDING & SITE DEVELOPMENT STRATEGIES

1.3.1 The Facility is planned to include over 5700 m^2 of new clinical, administrative and support spaces distributed over four storeys. The major program Components include the new Emergency Department, Medical-Surgical Inpatient Unit, Maternity Services Unit, and Pharmacy, all of which will replace, with greater capacity, the corresponding existing services in the Existing Hospital. In order to accommodate the required number of parking stalls to support the site and its users, total future parking is planned for approximately 291 stalls.

1.3.2 The northwestern portion of the site was chosen for the construction of the Facility because of its relatively undeveloped condition. The Facility is located to the northwest of the Existing Hospital and will connect to it. The main surface parking expansion is located to the north of the Facility and bounded to the east by Deni House. The surface parking lot will provide Direct Access to Level 1 of the Existing Hospital buildings and the Facility, which includes the new Emergency Department Component.

1.4 PROGRAMMING METHODOLOGY

1.4.1 This Appendix 1A has evolved from earlier programming work through a collaborative effort involving the Authority's staff and the consulting team utilizing workload data prepared by the Authority. The entire programming process included several rounds of active involvement of Authority representatives and key stakeholders from each of the Components of the CMH Redevelopment Project.

1.5 SPACE SUMMARY

1.5.1 The programmed space of the Facility in Net Square Metres (NSM) described in this Appendix 1A is summarized as follows:

1.5.1.1 3,993.3 NSM

PART 2. INTRODUCTION

2.1 BACKGROUND

2.1.1 CMH is located in the Interior of BC in the City of Williams Lake. This community hospital has functioned continuously as an acute care health care facility since the mid 1960's. The CMH Campus comprises three (3) stand-alone buildings ranging from two to five stories in height. Service delivery challenges experienced by CMH are primarily due to constraints for redesign/expansion of the Existing Hospital to achieve best practice standards and meet the demands of increased work volumes.

2.2 PROJECT SCOPE

2.2.1 The functional programming in this Appendix 1A reflects the following:

2.2.1.1 **Inclusion of specific communities and groups of users.** As a result, the following considerations have been taken into account in the space programming:

2.2.1.1(1) Space to support Aboriginal culture; and

2.2.1.1(2) UBC Faculty of Medicine Distributed Medical Education Program.

2.2.1.2 **Consideration of the entire Cariboo Memorial Hospital site.** The priority programs included in the Project reflect consideration of the CMH Campus as a whole and the efficient flow of Patients through the site.

2.2.1.3 **Current CSA standards for healthcare facility design.** The CSA Z8000-18 standard was released in July 2018. This standard provides requirements and guidance for the planning, design, and construction of Canadian health care facilities. As stated in the standard: "It is intended to be used by all facilities providing health care services regardless of type, size, location, or range of services." A list of the typical spaces in the Schedules of Accommodation that have been standardized according to CSA Z8000-18 requirements is shown in the following table:

Table 1

Size (nsm)	Space Description
1.5	Waiting per person – standard
2.0	Waiting per person in the Emergency Department
3.0	Waiting per person in a wheelchair
2.5	Seating per person in a meeting room
2.0	Area per person in a lounge
2.5	Workstation – small touchdown
3.5	Workstation – at a Care Team Station or Care Team Workroom
4.6	Workstation-Touchdown
11.0	Office-Private – workstation, desk and small meeting area.
14.0	Office-Shared – 2 workstations and 2 desks.
4.6	Washroom, Patient – 2-piece, wheelchair accessible
12.0	Utility Room-Clean
12.0	Utility Room-Soiled
13.0	Examination/Treatment Room – stretcher
7.5	Examination/Treatment Bay – chair, open on three sides
16.0	Medication Room-Maternity
16.0	Medication Room
16.5	Procedure room – three-sided access without imaging
21.4	Patient Room-Private
5.6	Washroom/Shower-Ensuite – 3-piece
32.0	Patient Room-Private-Bariatric-AIR
7.5	Anteroom-AIR
7.5	Washroom/Shower-Ensuite-Bariatric-AIR – 3-piece
35.0	Patient Room-Shared
5.6	Washroom/Shower-Ensuite-Shared – 3-piece

2.2.1.4 **Current population and workload projections.** An updated analysis of the service area and population projections is provided.

2.2.1.5 **New program information and requirements solicited through a user engagement process.** The programming process included the active involvement of Authority representatives and stakeholders from each of the Components of the CMH Redevelopment Project as well as representatives from the Secwepemc, Tsilhqot'in, Dakelh Dene Nations and Cariboo Chilcotin Métis Association to better understand how the project could better serve the Aboriginal population of the City and the surrounding communities.

2.2.1.6 **Changes in direction, policies and services for the Authority and CMH.**

2.2.1.6(1) The guiding principles include the following:

2.2.1.6(1)(a) **Align with the Authority's Vision.** Support and facilitate the mission, vision and values through built form and designed spaces.

2.2.1.6(1)(b) **Align with Working Principles**. Think beyond immediate needs so that, over time, the full potential of the project is optimized.

2.2.1.6(1)(c) **Flexibility for Future Expansion**. Provide simple development options and flexible planning scenarios that are robust and do not thoughtlessly constrain future growth options.

2.2.1.6(1)(d) **Sustainable Long-term Growth.** Embrace a short- and long-term holistic view of the site's built and natural potential.

2.2.1.6(1)(e) **Offer Realistic Solutions.** Provide defendable planning options and send a responsible message to the community.

2.2.1.6(1)(f) **Meet Parking Requirements.** Understand that physical needs / limitations must also be considered.

2.2.1.6(1)(g) **Facilitate a Community of Care.** Contribute to CMH's image — an open centre of community health.

2.2.1.6(1)(h) **Wellness and Health Enhancement**. Encourage the development of an integrated, community Hospital through thoughtful planning and design decisions.

2.2.1.6(2) The Authority has adopted the following working principles that will impact planning of the Facility:

2.2.1.6(2)(a) **Cultural Competency.** CMH is located within the traditional territory of the Secwepemc (Shuswap Interior Salish) First Nation. Two other First Nations are close neighbours: the Tsilhqot'in (Chilcotin) First Nation, and the Dakelh Dene (Carrier) First Nation. The three (3) local First Nations include fifteen (15) communities. In addition, the Cariboo Chilcotin Métis Association has been recognized by IH as a Chartered Métis Community for Métis People in the local area.

(a).1 With respect to Aboriginal health considerations, all care programs at CMH, including those in the Facility, will support delivery of services in an environment of cultural competency.

(a).1.1 A welcoming environment that shows respect of Aboriginal culture will greet Patients, families and visitors.

Consideration will be given to colour, texture, light, form and cultural symbolism to create a more healing, comforting and homelike environment.

(a).1.2 Traditional practices, ceremonies and special dietary needs will be accommodated throughout CMH.

(a).1.3 The importance of family involvement is recognized and will be supported in spaces for large families to gather and be present to participate in care planning and to provide care and support to their family member.

(a).1.4 While admitted to CMH, Patients and their families will have access to an Aboriginal Patient Navigator (APN) who will help with communication, understanding of health care system and specific treatments and serve as liaisons for traditional healers and practices. The APN will also play a key role in discharge planning, ensuring continuity of care beyond hospitalization. An office for the APN will be strategically located in the Emergency Department.

(a).1.5 All services will support a strong connection to surrounding communities, with care being provided in the community whenever possible. This will be supported through telehealth as well as through space allocated for visiting community care providers to liaise and plan with Staff members and families.

2.2.1.6(2)(b) **Electronic medical record.** CMH will have the capacity to transition to a fully electronic medical record (EMR) system;

2.2.1.6(2)(c) **Adoption of technology to improve Patient care.** The rapid advancement and influence of technology has created the opportunity to re-imagine the delivery of healthcare. Technology can create the environment for vastly safer practices. For example:

(c).1 EMRs can create a consistent way to document Patient care and provide continuity from plan to place.

(c).2 Computerized physician order entry eliminates errors of hand-writing interpretation and nonstandard abbreviations.

(c).3 Barcode medication administration creates a reliable way to ensure that the right Patient receives the right drug at the right time.

(c).4 Nurse call consoles at the Patient bedside provide multiple controls, enabling Patients to call or speak directly with a nurse in a timely manner.

(c).5 Electronic messaging, voice-activated devices, and computer workstations on wheels are all intended to streamline workload.

(c).6 Technology can be used to advise Staff of Patient transfers through clinical areas.

2.2.1.6(2)(d) **Adoption of technology to improve Patient experience.** There is also an opportunity to improve the Patient experience by leveraging technology to provide Patients with connectivity, communication, and access to information. The design of the Facility requires the infrastructure to support adoption of technology in the future. These include:

(d).1 Electronic Patient information will be available at the bedside to assist clinical Staff in performing their duties, accessible on portable devices and run over the wired or wireless network.

(d).2 Application services, programs and electronic educational material will be displayed via network on televisions, video conferencing equipment, personal computers or integrated bedside terminals.

(d).3 'Smart' Patient rooms: Patient rooms will be equipped with a bedside nurse call console that will enable Patients to do everything from controlling the room's lighting to speaking directly with a nurse when needed. Large flat screen monitors on the wall at the foot of the bed will not only offer entertainment but also Patient education platforms to learn more about a health condition or a pending procedure.

(d).4 Streamlining technology through a fully integrated EMR system: Instead of a number of different clinical systems, there will be just one integrated platform, enhancing quality of care and reducing duplicate tests and treatments.

(d).5 Kiosks: Patients who arrive for an elective procedure or medical appointment will be able to register themselves at a kiosk. Patients will also receive directions to the Component or procedure centre they are visiting.

(d).6 Charging stations: From labs to lounges to Waiting Areas, the increased dependence on devices will also require charging stations in multiple locations throughout the Facility.

(d).7 Robust Wi-Fi: Today, many Patients and family members sitting in waiting rooms use personal mobile devices for entertainment, to review and update personal health information, and arrange

future appointments. Institutions must accommodate this constant interaction and access to services via mobile technology.

(d).8 Cellular Reception: The increased use of cellular telephones and texting to communicate between clinicians as well as between clinicians and Patients will require strong, consistent cellular reception.

2.2.1.6(2)(e) **Single Rooms.** Most Patient rooms in the Facility will be private. Two Shared Patient rooms have been programmed per 12-bed clinical area in the Medical-Surgical Inpatient Unit and will accommodate hospitalized family members or those Patients who would benefit from improved socialization to prevent feelings of isolation.

2.2.1.6(2)(f) **Single Room Maternity Care.** Maternity Services will adopt a Single Room Maternity Care (SRMC) model. Infant resuscitations will be supported within the room with line of sight from the mother.

2.2.1.6(2)(g) **Level 1B Nursery.** The Facility will provide Level 1B Nursery Rooms.

2.2.1.6(2)(h) **Standardized room sizes and layout.** Standardized room sizes and layouts will be adopted for all room types. Standardization in design promotes defect-free, standard work by reducing variation in work processes and promoting long-term flexibility. In shared workspaces such as each Medication Room, Utility Room-Clean, Utility Room-Soiled and Patient room, a standardized layout facilitates instant familiarity and reduces the potential for error. Mirroring may be accepted for some rooms types as long as the function of the room is not compromised.

2.2.1.6(2)(i) **Shared Support Space**. Programs will share common spaces (each Lounge-Staff and Meeting Room, etc.). Non-dedicated meeting rooms will be pooled for use among several programs and centrally scheduled.

2.2.1.6(2)(j) **Lean and the Patient Journey.** The Authority is leveraging Lean processes through a Patient-focused approach to map the Patient's journey through the health system in order to identify activities that provide value to a Patient and eliminate those that add no value (waste). Once wasteful activities are removed, remaining steps are made more efficient and integrated so that services flow smoothly. Services are "pulled" only when needed by Patients. Part of the process is the pursuit of continuous improvement by repeating the cycle so that processes become more and more streamlined.

2.2.1.6(2)(k) **Level Schedules.** Clinical programs will adopt "level" schedules to create a smooth flow of Patients where

Patients are not waiting for services but rather services are pulled to the Patient when required with limited waiting time. The objective is to minimize disruptions caused by sudden changes in demand levels by matching clinic schedules to the demand of services required by Patients.

2.2.1.6(2)(l) **Wayfinding.** The Facility will provide Wayfinding that is functional for Patients, Staff and the public.

2.2.1.6(2)(m) **Care in the Right Place.** Patients that do not require acute care services are better served by community-based services. The Authority will continue to facilitate the transfer of Components of programs that are community-based into community-based settings.

2.2.1.6(2)(n) **Hours of Service:** Patients will generally be seen for eleven (11) daytime hours (0700-1800) Monday through Friday, with extended hours for some programs. IPUs, Emergency Department, and surgical services will operate 24 hours a day, 7 days a week.

2.2.1.7 The Components comprised in the Facility and included in this Appendix 1A are the following:

2.2.1.7(1) A – Emergency Department;

2.2.1.7(2) B – Medical-Surgical Inpatient Unit;

2.2.1.7(3) C – Maternity Services Unit;

2.2.1.7(4) D – Pharmacy; and

2.2.1.7(5) E – Retail and Support Services.

2.3 CLINICAL SUPPORT SERVICES

2.3.1 This section describes the provision of key clinical support services at CMH, including a range of allied health services.

2.3.2 Pharmacy Services

2.3.2.1 Management of pharmaceuticals in each Clinical Space will utilize a computerized, individual prescription, unit-dose system. Pharmacists will review and verify all physicians' orders once they have been scanned to the Pharmacy. Medications will be delivered to the wards either in response to electronic orders for medications not in the medication management system (MMS) or based on minimum stock level reports that print in Pharmacy. Medications are delivered once daily or as needed by pharmacy or care team Staff, pneumatic tube system or by porter in the future. Controlled substances will be accommodated within each MMS or locked in a controlled substances cupboard in each Medication Room.

2.3.2.2 Patient medications brought from home, including traditional medicines, will be stored in lockable cabinets in Patient rooms and/or medication rooms after being sent to the pharmacy for identification and labelling.

2.3.2.3 Dispensary pharmacists will review chemo orders/labs prior to pharmacy Staff preparing the medication. Chemotherapy will be delivered to Oncology by pharmacy Staff or by porter in the future.

2.3.2.4 Picking medication from MMSs and delivering to inpatients will be performed primarily by nursing Staff and at times by physicians. STAT requests for medications not housed in MMSs will be delivered as needed by pharmacy Staff, nursing Staff, pneumatic tube system or porter in the future.

2.3.2.5 Some outpatients and family will come to the Pharmacy to pick up medications, consult a pharmacist, or both.

2.3.2.6 Clinical pharmacists will be involved inpatient care when appropriate, participating in activities which may include admission medication reconciliation, resolving drug-related problems, developing pharmaceutical care plans, participating in interprofessional rounds, providing education to Patients, family and health care Staff, and providing discharge medication reconciliation. Clinical pharmacists will also provide in-service education.

2.3.3 Medical Imaging (MI) Services

2.3.3.1 A full range of medical imaging services is provided at CMH, including CT.

2.3.3.2 For both inpatients and outpatients, most imaging will be conducted in CMH's MI Department. Imaging for Patients on IPUs who cannot be transported to the MI Department will be accommodated using portable X-ray and portable ultrasound equipment that is brought to the unit by MI Staff. Equipment includes portable x-ray and ultrasound; images will be digitized using a CR reader.

2.3.3.3 All imaging will be digital and accessible using PACS.

2.3.3.4 Patients in the Emergency Department who require medical imaging services will either be transported to the MI Department, walk to that Department on their own or receive services in the Emergency Department, depending on their acuity.

2.3.4 Laboratory Services

2.3.4.1 Phlebotomies will be performed at the Patient bedside by laboratory Staff. All specimens will be transported either manually or via pneumatic tube back to the Laboratory for testing.

2.3.4.2 To facilitate this transfer of specimens, the pneumatic tube system constructed as part of the Facility will be extended to the existing CMH Laboratory and a pneumatic tube station will be

2.3.4.3 Laboratory results will be accessed through the EMR system.

2.3.4.4 Limited point-of-care testing using glucometers will be provided on the IPUs and the ED.

2.3.4.5 Outpatients will follow the current service delivery model and continue to be seen in Laboratory Services.

2.3.5 Physiotherapy and Occupational Therapy

2.3.5.1 Physiotherapists and occupational therapists will conduct Patient assessments and will provide hands-on therapy on IPUs. Physiotherapists will use walking loops on the units to mobilize Patients. Care may be provided at the bedside, in rehabilitation spaces in the IPUs or, in limited circumstances, in the central rehabilitation facilities within the Existing Hospital. In the latter case, Patient transport/escort will be provided by CMH's escorting services or by therapists.

2.3.6 Respiratory Therapy

2.3.6.1 Respiratory therapists will perform a range of diagnostic and therapeutic services for inpatients and outpatients. These services include diagnostics, respiratory health education and counselling, oxygen therapy, and the proper and safe operation of mechanical ventilators and other equipment used in treating respiratory conditions and illnesses.

2.3.6.2 Diagnostic services for outpatients include pulmonary function assessments which may involve cardiopulmonary exercise testing, spirometry, methacholine challenges, exercise-induced asthma testing, sleep disorder screening, and home oxygen assessments.

2.3.6.3 Respiratory therapists will conduct Patient lung and breathing assessments, provide airway management, be involved in intubations and tracheotomies, respond to life-threatening cardiopulmonary arrests (code blues), and assist in managing ventilated Patients in critical care areas.

2.3.6.4 Respiratory therapists conduct in-service education for CMH Staff and provide Patients with educational services to help them in managing their pulmonary disorders.

2.3.7 Social Work

2.3.7.1 Social workers will provide advocacy, counseling, and mediation services for Patients, Patients' family members and other caregivers responsible for a Patient during and beyond their hospital stay.

2.3.8 Dietitian Services

2.3.8.1 Acute care dietitians will provide in-hospital medical nutrition therapy to Patients at nutritional risk, including enteral and parenteral nutrition support. A registered dietitian will screen, assess and monitor Patients who are at high-to-moderate nutrition risk.

2.3.9 Biomedical Engineering Services

2.3.9.1 Biomedical engineering Staff will service clinical equipment used in care, diagnosis and treatment of Patients. Exceptions include bed maintenance and servicing provided by Plant Services. Most servicing will occur in the Biomedical Engineering central facility in Deni House, including servicing involving the use of lasers or X-rays.

2.3.9.2 A satellite biomedical engineering workroom will be accommodated in the Medical-Surgical Inpatient Unit. The Workroom-Biomed will be located adjacent to the standalone 12-bed medical-surgical clinical area and in close proximity to the Maternity Services Unit to more readily service the large equipment items from that unit.

2.3.10 Patient Registration

2.3.10.1 Patient registration will be centralized at the main entrance for all Components other than the ED. Decentralized registration may be considered in the future to streamline the process and provide a more Patient-centered experience by eliminating excessive Patient movement.

2.3.10.2 Extended hours registration for CMH will be provided in the ED from the Workstation-Registration. Refer to 4.5.3.1(2) Hours of Operation for details.

2.3.10.3 Kiosk registration will be supported in the future.

2.3.11 Spiritual Care Services

2.3.11.1 The practice of Spiritual Health Care is holistic in nature. It will include the assessment and relational treatment of persons experiencing emotional and spiritual distress or crisis during a health transition, thereby purposefully reducing emotional suffering while enhancing emotional, cognitive and physical wellbeing. This service will be provided to Patients and families on the units and may be supported by volunteers.

2.3.12 Aboriginal Patient Navigators

2.3.12.1 An Aboriginal Patient Navigator (APN) supports families by providing resources to help form connections to appropriate health care services and providing cultural support. The APN will also work with health care workers as resources to assist in providing culturally appropriate care and to connect with external Aboriginal services.

2.3.13 Education Services & Research

2.3.13.1 CMH and IH education and research activities will be supported throughout CMH.

2.3.13.2 Clinical teaching programs will be accommodated in all Clinical Spaces. Formal lectures or continuing education will not be accommodated in the Patient Care Areas where direct Patient care is provided.

2.3.13.3 In-service education, rounds, and Patient teaching programs will be conducted on a regular basis throughout each IPU, in Clinical Spaces as well as in Staff conference/meeting room(s) and Patient/family teaching rooms equipped with audiovisual equipment.

2.3.13.4 The UBC Faculty of Medicine Distributed Medical Education program will be supported within CMH.

2.3.14 Volunteer Management

2.3.14.1 Volunteers will provide assistance for Patients, families and the interdisciplinary care team as deemed appropriate.

2.4 NON-CLINICAL SUPPORT SERVICES

2.4.1 This section describes key non-clinical support services provided within CMH.

2.4.2 Material Services - Logistics

2.4.2.1 Consumable Supplies

2.4.2.1(1) Inventories of consumable supplies will be maintained on each IPU and other areas within the Facility. CMH has implemented a Just-in-Time Inventory model. Generally, minimum inventory levels will be established for each item and, once reached according to either a manual or electronic count, will trigger an electronic order. New supplies will be delivered by Logistics Staff, who will also be responsible for entering the “top up” stock into inventory.

2.4.2.2 Equipment

2.4.2.2(1) To the extent practicable, CMH equipment management will operate according to a principle of “the right piece of equipment, at the right place, at the right time.” The objectives of this practice are to minimize dormant equipment inventories on the units, reduce hallway clutter, and ensure that equipment is in constant circulation and being maintained.

2.4.2.2(2) Each Storage Room-Equipment will be kept close to the point of use in Clinical Spaces.

2.4.2.2(3) Soiled equipment will be moved to a Utility Room-Soiled for preliminary cleaning before being washed in the logistics areas.

2.4.3 Housekeeping Services

2.4.3.1 Housekeeping Staff will conduct routine cleaning of all areas of CMH. Housekeeping services will rely on a combination of manual carts stored locally and automated/motorized equipment. Smaller automated floor cleaning equipment will be stored in the local housekeeping rooms.

2.4.3.2 An area for storing and charging larger floor cleaning equipment is provided as part of the Work Support Area of the Retail and Support Services Component. The equipment stored in this space will be used throughout the Facility as needed and returned to the central area when not in use.

2.4.3.3 Throughout the Facility, all housekeeping rooms and closets will be located strategically, and will have restricted access. Generally, a week’s supply of consumable products will be stored in these spaces.

2.4.3.4 Separate spaces designated as Holding Room-Soiled will be provided for the use of housekeeping Staff and will be located near the Patient Transfer/Staff Service Elevators.

2.4.4 Waste Management

2.4.4.1 Waste products will be collected as close to point of generation as practicable. Waste will be sorted into categories of garbage, sharps, recyclable, compostable and biohazardous. The Holding Room-Soiled in the ED and on each IPU will hold waste collected until transported to the appropriate areas in CMH by housekeeping Staff for processing and removal from the site.

2.4.5 Laundry and Linen Services

2.4.5.1 Inventories of clean linen will be maintained on each unit using an exchange cart system. Laundry Staff will be responsible for delivering carts according to routine schedules. Soiled linen will be collected and held in a Holding Room-Soiled on each floor until it is transferred to the central soiled linen holding area to await pickup. Clean linen will be delivered to the central laundry holding area in the Existing Hospital and then distributed to the rest of the Facility.

2.4.6 Food Services

2.4.6.1 Currently, food trays are prepared in the central kitchen in the Existing Hospital and delivered to Patients three times a day by food services employees. Point-of-care meal services for three meals daily will be provided in the Facility. Prepared in the Existing Hospital's central kitchen. Portioning and serving will be provided for Patients from a food cart. In areas such as the ED, ready-to-serve meal kits will be provided for Patients as required, for example Patients who remain in the ED for an extended period such as for observation. Food will be plated according to Patient preference, heated and delivered from the food cart by Food Services employees to the Patient bedside.

2.4.6.2 All ware washing of dirty dishes, trays, pans and food carts will occur in the Food Servery rooms on IPUs after each meal.

2.4.6.3 Alcove-Nourishment spaces are provided on each unit for the preparation of light snacks and beverages.

2.4.7 CMH Porters

2.4.7.1 Staffing at CMH does not include hospital porters at this time, but this service will be considered in the future.

2.4.7.2 When this function is implemented, CMH will operate a centralized portering service dispatched from a central location in CMH and serving the following functions:

2.4.7.2(1) Patient transfers using wheelchairs, stretchers or beds;

2.4.7.2(2) Escort of ambulatory Patients;

2.4.7.2(3) Delivery of equipment items to and from each IPU, Medical Device Reprocessing (MDR) and outpatient Departments;

2.4.7.2(4) Delivery of pharmaceuticals to each IPU and outpatient Department, including chemotherapy drugs to Oncology; and

2.4.7.2(5) Transport of specimens to the Laboratory.

2.4.8 Information Management

2.4.8.1 The Facility will operate utilizing both paper and electronic charts and records but will have the capacity to transition to a fully electronic medical record (EMR) system. Patient information systems will provide access to information by means of computer terminals located at the Staff work areas distributed throughout the Facility. Ordering and scheduling of tests, procedures, and medications will be managed through the same terminals in the Staff work areas or through handheld devices.

2.4.9 Security Services

2.4.9.1 Security services is responsible for ensuring a safe and secure environment throughout the CMH Campus, including parkades. Security services provides the following services:

2.4.9.1(1) Providing acute site security operations;

2.4.9.1(2) Conducting routine security patrols;

2.4.9.1(3) Responding to code white alarms (also responded to by other CMH personnel), duress calls and other safety issues as they occur;

2.4.9.1(4) Managing helicopter landings (future development);

2.4.9.1(5) Locking and unlocking doors; and

2.4.9.1(6) Monitoring and responding to alarms.

2.4.10 Building Systems

2.4.10.1 Data and power to accommodate an EMR system will be supplied in Patient headwalls and in each Alcove-Observation. Power for workstations on wheels will be provided in each decentralized Alcove-Equipment.

2.4.10.2 HVAC systems will be designed and configured to ensure that drafts from circulating air are not directed over room locations occupied by stationary Patients and Staff, including Patient bed and sitting zones in all Patient rooms and exam rooms and Staff workstations in all administrative, reception and other areas.

2.5 ORGANIZATION OF REPORT

2.5.1 Information for each of the Components is presented under the following headings:

2.5.1.1 **OVERVIEW** provides a brief background statement, identifies planning parameters or key assumptions taken in planning each Component, and lists selected key trends related to the specific service.

2.5.1.2 **FUNCTIONAL DESCRIPTION** provides brief information on the general services or operations of the Component under four subheadings: Scope of Services, Client/Patient Profile, Regional Context, and Education & Research.

2.5.1.3 **OPERATIONAL CONSIDERATIONS** provides a description of the key operations of the Component under headings such as Organization & Management, Service Delivery Principles & Methods, Clinical Support Services, Non-Clinical Support Services and Hours of Operation.

2.5.1.4 **WORKLOADS** summarize the historical workload and estimates projected workload to the planning horizon in the future.

2.5.1.5 **DESIGN CRITERIA** provides a description of the Special Requirements and Space Requirements of the Component.

2.5.1.5(1) External Relationships indicates the priorities of the Component for its location relative to other Components.

2.5.1.5(2) Component diagram illustrates the internal relationships of spaces and the organization of zones/blocks of spaces and flows within the Component.

2.5.1.5(3) Graphic and narrative descriptions have been provided to explain the key external relationships and internal relationships between spaces and Departments. The external relationship diagrams and written descriptions indicate the priorities of the subject Component for its location relative to other Components. The following capitalized terms, which are defined in Schedule 1 [Statement of Requirements], are used to describe the relationships:

2.5.1.5(3)(a) Direct Access

2.5.1.5(3)(b) Convenient Access

2.5.1.5(3)(c) By Internal Circulation

2.5.1.5(3)(d) By General Circulation

2.5.1.5(3)(e) By Restricted Circulation

2.5.1.6 **SCHEDULE OF ACCOMMODATION** provides a tabulated summary of the space requirements for each Component. Each space listed includes the number of projected rooms or spaces (units), the net square metres per unit (nsm/unit), the total net square metres (nsm), and explanatory notes or description (Remarks).

2.6 REFERENCES

2.6.1 The following documents and references provided direction to the development of this report:

1. Canadian Health Care Facilities (CSA Z8000-18). CSA Standards, July 2018.
2. British Columbia - Sub-Provincial Population Projections - P.E.O.P.L.E. 2017: http://www.bcstats.gov.bc.ca/StatisticsBySubject/Demography/PopulationProjections.aspx
3. Hayward, Cynthia (2015) *SpaceMed: A Space Planning Guide for Healthcare Facilities, Third Edition.* Hayward & Associates LLC.
4. Ministry of Health: *Hospital-Based Psychiatric Emergency Services: Observation Units, 2014.*
5. British Columbia Provincial Mental Health and Substance Use Planning Council: *Provincial Quality, Health and Safety Standards and Guidelines for Secure Rooms in Designated Mental Health Facilities under the B.C. Mental Health Act, 2014*
6. National Association of Pharmacy Regulatory Authorities (NAPRA). *Model Standards for Pharmacy Compounding of Non-Sterile Preparations.* Ottawa, ON: NAPRA; 2018
7. National Association of Pharmacy Regulatory Authorities (NAPRA). *Model Standards for Pharmacy Compounding of Hazardous Sterile Preparations.* Ottawa, ON: NAPRA; 2016.

PART 3. SPACE SUMMARY

3.1.1 In developing the space program, each Component has been reviewed with the users against current standards and requirements. The CSA Standard Z8000-18 Canadian Health Care Facilities was consulted, as were the programs of other health care facilities recently completed for the Authority, including the Royal Inland Hospital in Kamloops and Penticton Regional Hospital.

3.1.2 The functional program space requirements for the Facility are as follows:

PROGRAMMED COMPONENTS:	Zone	NSM
EMERGENCY DEPARTMENT PROGRAMMED SPACE NSM:	A	1020.9
MEDICAL/SURGICAL INPATIENT UNIT PROGRAMMED SPACE NSM:	B	1765.7
MATERNITY SERVICES UNIT PROGRAMMED SPACE NSM:	C	641.9
PHARMACY PROGRAMMED SPACE NSM:	D	280.8
RETAIL AND SUPPORT SERVICES PROGRAMMED SPACE NSM:	E	284.0
TOTAL: Net Square Metres		**3993.3**

PART 4. FUNCTIONAL PROGRAM

4.1 A. EMERGENCY DEPARTMENT

4.1.1 Overview

4.1.1.1 Planning Parameters & Assumptions

4.1.1.1(1) The Emergency Department (ED) provides timely access, assessment and treatment for all individuals who present for emergency treatment.

4.1.1.1(1)(a) The site is capable of responding to unscheduled Patients presenting with a wide range of conditions and illnesses (CTAS Score 1-5). The ED works closely with other services and portfolios under the purview of the Authority and the province to coordinate Patient referrals and admissions from lower level of care facilities, to higher level of care facilities and for diagnostic services.

4.1.1.1(1)(b) While management of the Ambulance/Police/Fire Service is currently independent of the ED, functionally, they are closely linked. The project will include a decontamination suite, a dedicated storage room for Police and EMS with a work area including data, electrical and phone, and a two-bay Covered Ambulance Drive-Through. The Covered Ambulance Drive-Through will be utilized by Ambulance, Police and Fire Services.

4.1.1.1(1)(c) Wherever possible, scheduled outpatient care will be accommodated in the appropriate setting (e.g., community care programs, ambulatory care) outside of the ED. There are, however, specific clinical conditions that will require ED follow-up care in a minor treatment setting. This is the case for Patients who require urgent diagnostic follow-up to rule out potentially life-threatening conditions.

4.1.1.1(1)(d) CMH has a role as a disaster response centre, participating in the response to any natural (e.g., earthquake, fire) or anthropogenic (e.g., chemical spills) catastrophes generating mass casualties. It is anticipated that other IH emergency facilities will share in this role depending on the nature and extent of any disaster. The project will include:

(d).1 A space for Emergency Preparedness storage.

(d).2 The Multipurpose Room/EOC in the Facility will be seconded as an Emergency Operations Centre with the following requirements:

(d).2.1 A large meeting room with two access doors and an external facing window;

(d).2.2 Located far enough from the code orange, red, yellow and green areas that

the associated activity does not impact the command centre;

(d).2.3 Easily accessed via a stairwell;

(d).2.4 Wiring to the roof for a satellite phone to connect to an antenna;

(d).2.5 Video conferencing capabilities, including monitors serving as a video wall;

(d).2.6 Electrical outlets powered by the back-up generator;

(d).2.7 Wi-Fi booster;

(d).2.8 Whiteboards; and

(d).2.9 Millwork to hold supplies for the Emergency Operations Centre.

4.1.1.1(1)(e) Currently, Patients presenting with symptoms of mental illness and/or substance use are held in the ED and treated for acute symptoms before being transported to the on-site community MHSU unit (Gateway Crisis Stabilization Unit), transferred to a higher level of care facility, referred to a community-based MHSU facility or referred for assessment.

4.1.1.1(1)(f) A Community Crisis Response Team (CCRT) member is available to provide MHSU Assessments in the ED to assist in determining the need for admission or referral, or whether care will be deferred to a community agency or services provided to support Patients at home.

4.1.1.1(1)(g) The ED plays a key role in helping maximize appropriate use of inpatient resources by ensuring that only those in need of inpatient acute care are admitted from the ED.

4.1.1.1(1)(h) Selected scheduled after-hours outpatient care is also currently accommodated in the ED (e.g. intravenous therapy, deep vein thrombosis therapy, and stitch removal).

4.1.1.2 Service Trends

4.1.1.2(1) Important service trends considered in the planning for the new expanded ED and the design of the unit include the following:

4.1.1.2(1)(a) Emergency departments are a focal point for hospitals. They account for a large percentage of inpatient admissions and serve as an initial point of contact with the healthcare system for many Patients. The public's perception of a hospital may well depend on the level of efficiency, professionalism, and customer service experienced during a visit to the ED.

4.1.1.2(1)(b) With a scarcity of inpatient MHSU beds, an increasing number of Patients with MHSU conditions wait in the ED,

often for days, until an inpatient bed at a designated MHSU facility becomes available.

4.1.1.2(1)(c) With respect to disaster preparedness, emergency departments serve as receiving, triage, and initial treatment centres in the event of disasters, infection disease outbreaks, and biological or chemical exposure.

4.1.1.2(1)(d) Ensuring Patient privacy is paramount. The design of the unit will support the need to provide expedient emergency care, requiring high levels of observation, while maintaining Patient privacy.

4.1.1.2(1)(e) Emergency departments are becoming recognized for their role in the delivery of time-sensitive care, especially in the immediate response to acute stroke, acute myocardial infarction, sepsis and trauma Patients.

4.1.1.2(1)(f) Emergency services will expand to meet increased demand for services due to a growing and aging population in Williams Lake and the surrounding catchment area.

4.1.1.2(1)(g) ED utilization will vary greatly throughout the 24-hour period with Patients accessing care when other health services are not available.

4.1.1.2(1)(h) The ED population is becoming increasingly acute due to increasing volumes of Patients with more complex health needs being managed in the community.

4.1.1.2(1)(i) The aging population also impacts services due to the population's increased complexity, higher acuity levels, longer stays for investigation and management, requirement for additional Staff resources, and the need to accommodate family support.

4.1.1.2(1)(j) The increasing incidence of cancer and problems associated with chronic diseases such as cardiac episodes, diabetes; chronic obstructive pulmonary disorder and crisis management will impact the ED with increased volumes.

4.1.1.2(1)(k) The increasing risk and concern about the potential implications of Patients who have a noteworthy or highly infectious/communicable disease requiring contact and/or air precautions such as MRSA, TB, influenza, SARS, emerging pathogens, etc. Requirements for private single Patient rooms and negative-pressure AIRs will be included in the new spaces.

4.1.1.2(1)(l) Other trends for consideration include increasing need for monitored beds, methods for diverting and managing 'streaming' Patients, and other technology changes such as the use of PACS, EMR and telehealth.

4.1.2 Functional Description

4.1.2.1 The ED will continue to have 24-hour physician presence and be capable of handling any situation through either service delivery on site or stabilization and transfer to the appropriate referral facility.

4.1.2.2 The ED will provide facilities and services to evaluate, diagnose and treat emergency and non-emergency unscheduled Patients. It will be responsible for the treatment of all Patients presenting in the Department with the exception of maternity Patients over 20 weeks' gestation. Key activities will include:

4.1.2.2(1) Triage, assessment and initial treatment;

4.1.2.2(2) Stabilization, diagnosis and, to the extent possible, treatment of the health condition;

4.1.2.2(3) Observation, admission and referral as required;

4.1.2.2(4) Referral or transfer to a higher level of care at another facility when required;

4.1.2.2(5) Referral to appropriate services either on or off-site e.g. obstetrics, gynecology orthopaedics, surgery, ENT, ophthalmology, chronic disease management; community services; and

4.1.2.2(6) Patient discharge.

4.1.2.3 In addition, the ED will include:

4.1.2.3(1) Minor procedures, such as suturing, application and removal of casts, excluding procedures under general anaesthetic;

4.1.2.3(2) Minor procedures requiring sedation and 1:1 nursing including reduction of a dislocation or fracture, cardioversion, suturing for pediatric Patients and other procedures;

4.1.2.3(3) Medical treatment procedures such as IV therapy;

4.1.2.3(4) Airborne isolation of Patients at risk of being highly infectious;

4.1.2.3(5) Isolated decontamination of Patients and Staff who have come into contact with harmful chemicals, toxic substances or emerging pathogens;

4.1.2.3(6) Collection of forensic evidence in collaboration with police services;

4.1.2.3(7) Triage and treatment centre during situations of mass casualty;

4.1.2.3(8) Supportive care to families of Patients; and

4.1.2.3(9) Epidemic/pandemic services for the community.

4.1.2.4 Client/Patient Profile

4.1.2.4(1) Patients coming to the ED will include persons of all ages seeking immediate attention for injuries and illnesses that cannot be managed through a primary care provider or those Patients without a primary care provider.

4.1.2.5 Regional Context

4.1.2.5(1) The ED will function as an integral part of the emergency services delivery network in the Thompson Cariboo Shuswap Health Service Delivery Area.

4.1.2.6 Education & Research

4.1.2.6(1) It is expected that the ED will continue to support education and research activities as mandated by CMH and the Authority. Other educational activities will include:

4.1.2.6(1)(a) Patient and family teaching, including the provision of educational material in electronic and print format for persons waiting or being discharged;

4.1.2.6(1)(b) Staff continuing education and professional development;

4.1.2.6(1)(c) Physician continuing education, plus education for medical students and physician residents;

4.1.2.6(1)(d) Clinical placement for other learners such as nursing students; and

4.1.2.6(1)(e) Staff and physician orientation.

4.1.3 Operational Considerations

4.1.3.1 Organization & Management

4.1.3.1(1) The ED team will be overseen by the Clinical Operations Manager, the Director of Clinical Operations and the CMH Emergency Department Head.

4.1.3.1(2) The Patient care coordinator and clinical practice educator are an integral part of the organization and management of the unit.

4.1.3.2 Service Delivery Principles & Methods

4.1.3.2(1) Client/Patient Flow

4.1.3.2(1)(a) Emergency care at CMH will continue to be organized under a philosophy that recognizes distinct needs of different Patient groups:

(a).1 Trauma Patients;

(a).2 Patients with confirmed or suspected myocardial infarctions (monitored Patients);

(a).3 General emergency visits classified as Emergent, Urgent, and Minor;

(a).4 Patients with mental health or substance use issues;

(a).5 Victims of sexual abuse and/or sexual assault; and

(a).6 Frail elderly, pediatric, and vulnerable Patients.

4.1.3.2(1)(b) Diagnostic and treatment services will be organized within the above categories. Within each category, a proportion of the total number of Patients will require hospital admission; however, for some Patients, final admission or discharge decisions may require a period of observation. These Patients can be held for up to 24 hours, and this function will be accommodated in the ED's Observation/Holding rooms.

4.1.3.2(1)(c) The Observation/Holding rooms provide some Patients with the required additional time for diagnoses, observation and treatment, pending resolution of the Patient's condition. Objectives supporting this area will include:

(c).1 Providing an observation area for Patients who may require further emergency care or discharge to either an IPU or outside of CMH;

(c).2 Providing an area for Patients to be monitored by the ED team, provided with further treatment and reassessed for the need for admission;

(c).3 Avoidance of unnecessary/premature admissions to IPUs; and

(c).4 Reducing the bottlenecks occurring in an Emergency Department treatment area that are created by Patients waiting for admission for inpatient care, specialist assessment or discharge.

4.1.3.2(1)(d) ED Patients will arrive by ambulance, private vehicle, public transit or by foot. Patients arrive either alone or are accompanied by others. All Patients arriving via ambulance will enter the ED through the dedicated Vestibule-Ambulance Entrance. Patients arriving by personal vehicle or on foot will enter the ED through the public Vestibule-Walk-In Entrance. CMH's main registration desk and satellite functions of the primary information and security services will be located in this Component.

4.1.3.2(1)(e) Triage will be the first point of contact for all Patients. Patients will be assessed on arrival by a triage nurse and triaged based on acuity and need. Registration and documentation will occur simultaneously with or following triage. Patients requiring immediate treatment

will be taken directly to the appropriate treatment space; registration procedures will be carried out after Patient care is initiated. Patients not requiring immediate treatment will complete their registration and documentation at the ED Workstation-Registration and await treatment in one of the Patient waiting areas.

4.1.3.2(1)(f) Regular hours registration services will be provided in the ED at the Workstation-Registration. This space will be fully equipped, including a switchboard, to support CMH operations. Registration after 2300 will be completed via videophone linked to Royal Inland Hospital in Kamloops. Refer to Hours of Operation 4.5.3.1(2) for more details.

4.1.3.2(1)(g) Patient care will be coordinated and delivered by an interdisciplinary care team of a physician, Patient care coordinator, clinical practice educator, registered nurses, licensed practical nurses, unit clerks, support clerks and other allied health professionals (i.e., clinical pharmacists, respiratory therapists, social workers, mental health workers, CCRT members, physical therapists, occupational therapists, dietitians, diabetes nurses, transition liaisons and the Aboriginal Patient Navigator). These latter team members will directly participate inpatient care while on the unit and will access assessment/treatment space as well as touchdown workstations in the unit; promoting collaboration and coordination of Patient care between team members. Selected specialist consultations will be available on site (e.g., psychiatry, pediatrics, obstetrics, internist, etc.).

4.1.3.2(1)(h) The target length of stay in the ED will be as follows:

Triage Level	Arrival to Disposition	Time in Treatment Room
CTAS 1	180 minutes	180 minutes
CTAS 2	240 minutes	180 minutes
CTAS 3	240 minutes	180 minutes
CTAS 4	90 minutes	60 minutes
CTAS 5	90 minutes	60 minutes

4.1.3.2(1)(i) Discharge planning functions will be initiated as soon as possible following a Patient's arrival at the ED. Patients will be discharged from the ED to the following locations:

(i).1 Higher level of care;

(i).2 The ED's Observation/Holding rooms;

(i).3 CMH IPU;

(i).4 Community-based facilities (e.g., long-term care, rehabilitation, MHSU program);

(i).5 To a facility in their home community;

(i).6 Home to family; or

(i).7 Home with or without Home Care support.

4.1.3.2(1)(j) Discharge functions are supported by CMH Transition Liaison Services, social work, and Aboriginal Patient navigation. Objectives of this function will include enabling discharge as early as practicable to support the highest level of independence. As part of their role in discharge planning, these personnel will identify those Patients at risk, including victims of family violence, the frail elderly, and the vulnerable and make the appropriate referrals and arrangements for support services. These Staff members will also provide support to family members in cases of sudden death.

4.1.3.2(2) Visitor Management

4.1.3.2(2)(a) Access to ED treatment areas will be limited with access being strictly controlled.

4.1.3.2(2)(b) Patient support persons will typically wait in the ED Waiting Area-General or other public areas in CMH. Each treatment space will accommodate one visitor chair and have space to add another for occasions when a visitor or support person accompanies or visits a Patient in the treatment area to support Patient-centered care.

4.1.3.2(2)(c) Family members for Patients who are critically ill or have passed away will be provided access to the Family Quiet Room for their use. The function of this room is to provide a temporary refuge for distressed family and friends. This area is not intended for prolonged use.

4.1.3.2(2)(d) After hours (2300 hours to 0700 hours) the ED entrance in the Facility will act as the main CMH entrance and will be controlled by security services. Public access will be routed to the ED.

4.1.3.3 Staff Organization

4.1.3.3(1) A primary care nursing model will be used in the ED for the majority of Patient care, follow-up, and documentation completed at the Patient bedside. The central Care Team Station-Large will support all Staff, including nurses, unit clerks, physicians, allied health providers and consultants, and this area will encourage Staff-to-Staff communication and collaboration.

4.1.3.3(2) ED Staff members currently manage ED code blue calls. Facility code blue calls are led by ED Staff members with support from Respiratory Therapy during daytime hours. The code blue process may change in the future with potential increases in service.

4.1.3.4 Clinical Support Services

4.1.3.4(1) Pharmacy Services:

4.1.3.4(1)(a) Pharmacy service to the ED is available from 0800 to 1600 hours with afterhours coverage provided via telephone by an on-call pharmacist.

4.1.3.4(1)(b) A medication room, stocked by the Pharmacy, will be located within the ED. The main Medication Room at 16 nsm will be located in the Trauma and Acute Treatment Zone. This room will contain a medication management system (MMS).

4.1.3.4(1)(c) The Resuscitation Room will also have an MMS stocked by Pharmacy to ensure vital medications are ready to hand.

4.1.3.4(2) Medical Imaging (MI) Services:

4.1.3.4(2)(a) Patients requiring Medical Imaging procedures will be accommodated in the ED, if possible, with mobile imaging capability for diagnostics such as x-rays and ultrasound. Alternatively, the Patient may be transported to the MI Department. Convenient Access to MI from the ED is important for the efficient transfer of Patients and also for trauma Patients requiring CT scans. PACS will be available on all computer workstations. These workstations will be equipped with diagnostic quality monitors.

4.1.3.4(3) Laboratory Services:

4.1.3.4(3)(a) Patients requiring specimen collection will have specimens collected by laboratory Staff. In the Trauma and Acute Treatment Zone, this will occur at the bedside. A Satellite Lab Collection Area will be located in the streaming area and collocated with a Satellite Lab Work Area, with a privacy curtain between the two spaces within one enclosed room. In the future this area will support some limited point-of-care testing. The program will include a phlebotomy chair.

4.1.3.4(3)(b) Blood and fluid samples that require further analysis will be manually transferred or sent via pneumatic tube to the main laboratory for processing. The results will be transmitted electronically to the Patient's EMR within an appropriate testing timeframe. The central laboratory will supply blood products for Patients as required by the ED.

4.1.3.4(3)(c)

4.1.3.4(4) Aboriginal Health Support:

4.1.3.4(4)(a) The ED will support delivery of services in an environment of cultural competency. Traditional

practices, ceremonies and special dietary needs will be accommodated as much as possible. While admitted to CMH, Patients and their families will have access to an Aboriginal Patient Navigator (APN) who will help develop understandings about the hospital care system and specific treatments. The APN will also play a key role in discharge planning, ensuring continuity of care beyond hospitalization.

4.1.3.4(5) Community Crisis Response Team (CCRT)

4.1.3.4(5)(a) CCRT members will provide targeted support in the ED for individuals living with mental health and substance use disorders. Team members will be accommodated in the CTS and workroom.

4.1.3.4(6) Food & Nutrition Services

4.1.3.4(6)(a) A stock of food and nutritional supplements (such as Boost) will be maintained in ED for Patients who require food as part of their treatment.

4.1.3.4(6)(b) Tray delivery service or ready-made Meal Kits will be provided for admitted Patients waiting in the ED or Observation Holding beds.

4.1.3.4(6)(c) ED Patients and their families will have access to vending machines that dispense healthy food and drink options.

4.1.3.4(7) Client Information

4.1.3.4(7)(a) CMH will be moving forward with a fully implemented Patient EMR including clinical documentation and provider order entry. Infrastructure for EMRs will be strategically located throughout the ED facilitating the entry and retrieval of Patient information by care team members.

4.1.3.5 Non-Clinical Support Services

4.1.3.5(1) Material Services – Logistics

4.1.3.5(1)(a) General medical/surgical supplies will be delivered on a scheduled basis by logistics Staff to a central storage area in the ED containing a fixed Par Wall system. Supplies will be stored at the point of use in the various examination/treatment spaces utilizing shelving and/or carts on a top-up basis.

4.1.3.5(2) Distribution

4.1.3.5(2)(a) CMH does not currently utilize the Porter role. If implemented in the future, portering will be responsible for moving supplies and equipment between on-site

destinations and also for portering Patients. Patient care equipment will be stored centrally and distributed on request.

4.1.3.5(3) Clean Linen Services

4.1.3.5(3)(a) Clean linen will be transported to each functional area of the ED using a scheduled exchange cart system. Clean linen will be held in a designated Linen Alcove.

4.1.3.5(4) Soiled Holding

4.1.3.5(4)(a) Soiled linen will be collected in hampers in each treatment area and then consolidated in carts in the Holding Room-Soiled. The Holding Room-Soiled will be located in close proximity to the Patient Transfer/Staff Service Elevator. Each Holding Room-Soiled will accommodate garbage, recycling bins and biohazard materials generated in the Department for regular pickup by housekeeping Staff.

4.1.3.5(5) Soiled Utility

4.1.3.5(5)(a) Soiled instruments will be soaked or sprayed by ED Staff and held in the Utility Room-Soiled before transport to the MDR area. Soiled commode chairs, stretchers and other equipment will be held in the Utility Room-Soiled for preliminary cleaning before transport to the Cart Washing Room.

4.1.3.5(5)(b) Every Utility Room-Soiled will be serviced by CMH Staff on a regular basis.

4.1.3.5(6) Equipment Management

4.1.3.5(6)(a) Equipment storage space will be provided within the ED for frequent-use items, e.g., such as stretchers, wheelchairs, IV carts, infusion pumps and poles. Soiled and/or contaminated reusable equipment will be cleaned at the bedside after the Patient is discharged or in the Utility Room-Soiled.

4.1.3.5(7) Housekeeping Services

4.1.3.5(7)(a) Housekeeping Staff will provide services to the unit on a continuous basis. Garbage, recycling, biohazards and soiled linen will be collected, bagged, coded as necessary and held in bins and carts in the Holding Room-Soiled within each functional area. One Housekeeping Room and one Housekeeping Closet will be provided in the ED.

4.1.3.5(7)(b) Recycling bins and a confidential paper-recycling bin will be located in an alcove in each area close to the Central Team Station (CTS). Collections from these recycling

stations will be rescheduled on a regular and be provided by Housekeeping Services for non-confidential recycling and by a contractor for confidential paper-recycling.

4.1.3.5(8) Information Technology – Health Records & Communication Systems

4.1.3.5(8)(a) The ED will be planned to support the following IT requirements:

(a).1 The ED will be planned for eventual full computerization of information (including bedside computers and/or hand-held devices) in support of electronic documentation, provider order entry, Patient registration, etc.

(a).2 Wireless internet capability will be provided throughout the Department.

(a).3 Electronic management of information is anticipated using a combination of desktop computers, laptops, workstation on wheels, PDAs, dictation and potentially other equipment. Clinical equipment will require access to network ports so that Patient information can be downloaded directly into the electronic Patient record. Networked data ports will be provided in Staff work areas as well as at the Patient bedside (e.g. on headwalls or booms).

(a).4 PACS will provide electronic access to diagnostic images. Diagnostic quality monitors are required in the ED in addition to regular monitors.

(a).5 An “electronic bed board” to provide computerized triage control (bed/treatment status/waiting numbers etc.) such as Meditech’s Tracker, will be used. Patients will be added to this system upon registration or triage. The system will be accessible at any computer terminal and be controlled by ED Staff.

(a).6 An appropriate communication system that includes direct communication links between ED and the external switch board/call centre, Surgical Services area, critical care units, security, police, ambulance service, and other Staff.

(a).7 Access to educational telehealth services will be provided

(a).8 Clinical telehealth or virtual consult links will be available in the ED and will be used to link the CMH ED to specialists in other communities and to link smaller communities to CMH ED for Patient diagnoses and consultation.

4.1.3.6 Hours Of Operation

4.1.3.6(1) The ED is staffed and operates 24 hours a day, 7 days a week. The Streaming Area will operate during daytime hours.

4.1.4 Design Criteria

4.1.4.1 This functional program has a total of 23 treatment spaces as shown in Table 5 below:

Table 5

EMERGENCY DEPARTMENT	TREATMENT SPACES
Resuscitation Room – 1 room with 2 treatment bays	2
Exam/Treatment Rooms	5
Exam/Treatment Room-Bariatric-AIR	1
Exam/Treatment Room-Streaming	4
Exam/Treatment Bay-Streaming	4
Observation/Holding Room	2
Exam/Treatment Room-Gyne	1
Cast Room	1
Secure Room	1
Exam/Treatment Room-Safe	1
Exam/Treatment Room-HEENT	1
TOTAL	23

4.1.4.2 General Requirements

4.1.4.2(1) A key principle in the layout of the ED spaces is to provide the flexibility to operate the Department effectively during times of low, average and peak workloads. This includes the ability to function with varying levels of staffing. For example, during the low periods not all treatment spaces need to be used and a reduced staffing complement needs the ability to cover the Department and use the space efficiently. One means of achieving this flexibility is to organize the general examination / treatment spaces so that the number in use can expand and collapse relatively easily and without having to relocate Patients from room to room.

4.1.4.2(2) A second key principle in the layout of the ED is visibility. Staff need clear Lines of Sight to key areas such as Resuscitation Room entrances, acute treatment areas, monitors and the Secure Room. Staff also need the ability to see one other in circulation spaces.

4.1.4.2(3) Lean principles will be applied to the design of the space and to clinical processes to ensure that non-value-add activities, designated as waste, are kept to a minimum. These include design of clinical services and spaces that contribute to overproduction, excessive inventory, waiting, defects, transportation, Staff and Patient movement, and unnecessary processing.

4.1.4.2(4) Infection Control

4.1.4.2(4)(a) The ED will be planned in accordance with IH Infection Control Policies and Procedures. Space will be available at the Vestibule-Walk-In Entrance to facilitate pre-screening Patient triage in the event of a pandemic or local outbreak of contagious diseases. Generally, guidelines will address the following:

(a).1 A hand hygiene sink will be provided in every Exam/Treatment Room, with the exception of the Secure Room. Hand hygiene sinks will also be distributed throughout the Department to meet infection control and hand hygiene needs.

(a).2 One Exam/Treatment Room-Bariatric-AIR with Anteroom-AIR will be provided. Isolation protocols will apply at point-of-care for handling clean linen, clean supplies and clean equipment. Isolation protocols will also apply to areas used for soiled holding and waste removal. This room will also be used to treat Patients when not in use for negative pressure isolation. The audible alarm will be silenced, and the door will be left open. A light will indicate that negative pressure is not maintained during this operation.

(a).3 There will be a degree of separation between Patients who are immune compromised and regular Patients, e.g., zoned waiting area.

4.1.4.2(5) Protection Services

4.1.4.2(5)(a) Security and safety of Patients and Staff in ED are paramount, especially after hours. The area will be planned so that access to all ‘internal’ areas of the Department can be controlled and monitored by Staff in the triage area and at the Care Team Station. Staff will have access to a safe space at all times, such as the Workroom-Care Team.

4.1.4.2(5)(b) The program includes an Office-Security located within the ED entrance vestibule with a transaction window into the vestibule and having excellent Lines of Sight and Convenient Access to the Waiting Area-General. The Office-Security will have the capability to put just the ED

or CMH in its entirety into a restricted access mode with the touch of a button linked to the access control system.

4.1.4.2(5)(c) Six half-size lockers will be relocated from the Existing Hospital and installed along the wall within A1.6.1 Workstation-Clinician. These lockers will allow Patients to lock up items before entering the Component or receiving treatment, including for safety and to secure contraband items.

4.1.4.2(6) Wayfinding

4.1.4.2(6)(a) Best practices and elder-friendly guidelines will be utilized to enhance ease of access, for clear directions and consistent signage, both throughout the CMH Campus and within the Facility. Clear Wayfinding, which that incorporates all design elements, including signage, is important for the public and Patients coming to ED to help reduce what is often already a stressful situation. Vehicular access to the ED drop-off entrance will be as immediate as possible and free of interference from other traffic on the CMH Campus. Access from the ED drop-off to short term parking will also follow the shortest path of travel and be easily navigated.

4.1.4.3 Special Requirements

4.1.4.3(1) Outbreak Control Zone

4.1.4.3(1)(a) The ED will have the capability to become an Outbreak Control Zone (OCZ): an isolated area enabled for lockdown to prevent spread of infection.

4.1.4.3(1)(b) In the event of an airborne infection pandemic outbreak, the ED will have negative pressurization capability to isolate this Component from the rest of the Facility and from the Existing Hospital. This OCZ will include the following:

(b).1 Bounding construction that allows the mechanical ventilation systems to create negative pressure within the OCZ relative to adjacent floor areas;

(b).2 Corridor space that can be converted into a minimum of two (2) anterooms, contained within two sets of powered double doors and equipped with a hand hygiene sink and space for PPE storage, adjacent to each of the entry/exit points to the zone, as follows:

(b).2.1 Each anteroom will be large enough to accommodate a stretcher when both sets of doors are closed;

(b).2.2 Both sets of power doors will activate sequenced automatic openers when an access control card is swiped;

(b).2.3 Card readers will be located on the entry side of the first set of doors and on the exit side of the second set of doors at sufficient distance from the doors to allow them to open before a stretcher is present; and

(b).2.4 Under normal operations, the doors will remain open but will be closed when the OCZ is in use;

(b).3 Department configuration relative to the OCZ anterooms such that the activation of the OCZ and its anterooms will not compromise any clinical or operational functions within the ED.

4.1.5 Space Requirements

4.1.5.1 Public/Patient Facilities

4.1.5.1(1) Waiting Area-General

4.1.5.1(1)(a) The ED Waiting Area-General is sized to accommodate approximately 15 persons seated with room for two (2) Patients in wheelchairs. The Waiting Area-General will have direct access to a children's memorial play area, the Child Playroom, that meets infection control standards.

4.1.5.1(1)(b) The Waiting Area-General will be separated into smaller clusters, including an area for Patients presenting with infectious respiratory conditions.

4.1.5.1(1)(c) Other requirements include barrier-free washrooms, vending machines, diversionary activities (such as a television), and educational materials.

4.1.5.1(1)(d) The waiting area must have clear Lines of Sight for Staff in the triage area and the Office-Security.

4.1.5.1(1)(e) The Vestibule-Walk-In Entrance to ED requires adequate space to accommodate pre-screening activities in the event of an outbreak such as COVID, H1N1, i.e., to accommodate two (2) Staff with a portable desk and minimal equipment, including a portable vital signs monitor. Access to the Vestibule-Walk-In Entrance must be securable by means of the Facility's access control system. Remote lock/unlock buttons will be controlled by Staff in the Office-Security, as well as at the Workstation-Registration, Interview Room-Triage, Care Team Station-Large and Care Team Station-Satellite.

4.1.5.2 Examination/Treatment Facilities

4.1.5.2(1) Summary of Spaces

4.1.5.2(1)(a) To accommodate the projected workload of 23,714 annual visits, 23 Patient care spaces are required, including specialized spaces such as a Resuscitation Room, exam/treatment rooms designated for airborne isolation, gynecological exams and HEENT exams, a cast room, and a secure room.

4.1.5.2(1)(b) The 23 spaces are allocated as previously shown in Table 5.

4.1.5.2(2) Resuscitation Room

4.1.5.2(2)(a) The Resuscitation Room is sized to accommodate two (2) treatment bays, separated by a full-height wall extending partway into the room between the bays. The endpoint of the wall abuts a Millwork countertop with workstations to serve as central monitoring location. The room will be fitted out with technological infrastructure for future telehealth capability and future in-room trauma simulations.

4.1.5.2(2)(b) Each bay is sized to accommodate a team of four (4) to six (6) persons, booms, medical-surgical supplies, storage cabinets, instruments, monitoring equipment, resuscitation equipment, charting station and AV equipment for monitoring Patients during traumas.

4.1.5.2(2)(c) The Resuscitation Room will be utilized for cardiac presentations, including myocardial infarctions, strokes, sepsis, seizures, severe allergic reaction/anaphylaxis, severe asthma/respiratory distress and traumas.

4.1.5.2(2)(d) Access that is as direct as possible from the Covered Ambulance Drive-Through to the Resuscitation Room is the key factor in determining its location. The route needs to facilitate the rapid transfer of a Patient in critical condition on a stretcher surrounded by the medical team. The route will not pass through any public spaces or areas where Patients are grouped or waiting and will minimize corners and manoeuvring to enter the room.

4.1.5.2(3) Exam/Treatment Rooms

4.1.5.2(3)(a) The Exam/Treatment Rooms in the Trauma and Acute Treatment Zone will be designed as fully enclosed rooms and multipurpose universal spaces.

4.1.5.2(3)(b) Each Exam/Treatment Room will have a stretcher, medical gases on the head wall, workstation, supply carts (located primarily on the right side of the Patient where most treatment occurs), adequate lighting to perform physical examinations and/or suturing, a hand

hygiene sink, family/visitor chair(s) on the left side of the Patient, and space to bring in a procedure cart or mobile equipment such as an ECG machine.

4.1.5.2(3)(c) All Exam/Treatment Rooms will have the infrastructure to support cardiac monitoring and, in the future, access to EMRs and telehealth.

4.1.5.2(3)(d) One Exam/Treatment Room will be sized to accommodate bariatric Patients. Refer to Appendix 1C [Minimum Room Requirements] for medical gas requirement.

4.1.5.2(3)(e) One Exam/Treatment Room will be designated as a Safe Room for Patients with mental health conditions requiring medical treatment. All features, fixtures and furniture in this room will be of Ligature Resistant design. Medical gases, equipment and supplies will be in lockable and secure cabinets. The Safe Room will have Line of Sight to the CTS and/or be monitored by clinical camera.

4.1.5.2(4) Exam/Treatment Room-Bariatric-AIR

4.1.5.2(4)(a) The Exam/Treatment Room-Bariatric-AIR requires negative pressure capability. Typically, Staff and family will don PPE in the anteroom. Soiled PPE and supplies will be discarded in the Patient room while exiting. The AIR will accommodate a nurse call station to support communication between the Patient and Staff without Staff having to enter the room.

4.1.5.2(4)(b) This room will also be used to treat Patients when not in use for negative pressure isolation. The audible alarm will be silenced, and the door will be left open. A light will indicate that negative pressure is not maintained during this operation.

4.1.5.2(4)(c) The Exam/Treatment Room-Bariatric-AIR must be located in close proximity to the triage area and, to the extent possible, to the Covered Ambulance Drive-Through, so that there is Convenient Access to the AIR when an infectious Patient presents to the ED.

4.1.5.2(5) Streaming Area

4.1.5.2(5)(a) The Streaming Area will include a Waiting Area accommodating six (6) persons seated and one (1) Patient in a wheelchair. Medical gases outlets for oxygen will be provided with a recessed secure cover to serve two (2) seated locations.

4.1.5.2(5)(b) The Streaming Area will accommodate four (4) Exam/Treatment Room-Streaming and four (4) Exam/Treatment Bay-Streaming.

4.1.5.2(5)(c) The Exam/Treatment Room-Streaming will be fitted out to meet the same requirements as the Exam/Treatment Rooms in the Trauma and Acute Treatment Zone.

4.1.5.2(5)(d) The Streaming Area will be operational during daytime hours.

4.1.5.2(6) Exam/Treatment Room-Gyne

4.1.5.2(6)(a) Requirements for the Exam/Treatment Room-Gyne include configuring the room for privacy and providing a dedicated washroom with Direct Access from the room. The Exam/Treatment Room-Gyne will be fitted out to accommodate an emergency delivery in ED. The room will have medical gases in two positions on the headwall and an additional set of gases mounted on the wall. It will also accommodate the associated equipment, including a fetal monitor, infant warmer, incubator, perinatal examination light and ventilator.

4.1.5.2(7) Exam/Treatment Room-HEENT

4.1.5.2(7)(a) The room requires a reclining chair, good task lighting and Millwork to store sensitive equipment when not in use. Refer to Appendix 1C [Minimum Room Requirements] for Millwork requirements.

4.1.5.2(8) Secure Room

4.1.5.2(8)(a) The Secure Room will comply with current CSA Standards and the requirements set out in the Ministry of Health Hospital-Based Psychiatric Emergency Services: Observation Units.

4.1.5.2(8)(b) A Staff observation vestibule, named Alcove-Workstation, is required at the entrance to the room, which will be recessed so as not to block the corridor.

4.1.5.2(8)(c) The Secure Room will be located as close as possible to the Covered Ambulance Drive-Through in a low-traffic area of ED to minimize the exposure of agitated Patients to others, particularly pediatric Patients.

4.1.5.2(8)(d) In the event of a fire, the Secure Room door will release upon triggering of a Stage 2 fire alarm. However, a staff process will need to be implemented to complete release of the three-point lock on the room.

4.1.5.2(9) Exam/Treatment Room-Safe

4.1.5.2(9)(a) The room will require two (2) doors and a nurse call system for code white calls as described in Appendix 1C [Minimum Room Requirements].

4.1.5.2(10) Patient Washrooms

4.1.5.2(10)(a) Patient washrooms, based on an overall ratio of approximately 1 per 6 Patient care spaces, must be located close to the treatment areas. Certain Patient care spaces including the Exam/Treatment Room-Bariatric-AIR and the Exam/Treatment Room-Gyne will each have a dedicated ensuite washroom. The Washroom/Shower-Patient-Gyne will include a shower.

4.1.5.2(10)(b) Two washrooms will be located in close proximity to the Waiting Area-General to serve both the public and Patients who are waiting.

4.1.5.2(11) Family Quiet Room

4.1.5.2(11)(a) This space is intended primarily for private consultations and meetings with a Patient and/or the Patient's family. The room will contain comfortable seating as well as infrastructure for telehealth. The room will be equipped with a small kitchenette for simple nourishment needs.

4.1.5.3 Clinical/Staff Support Facilities

4.1.5.3(1) The triage function is intended to act as the first point of contact for persons arriving at the ED. Triage rooms will be collocated with Patient registration to minimize the movement of Patients. Nursing and registration Staff will move to accommodate the Patient. This area will be designed to respect Patient privacy.

4.1.5.3(2) The Interview Room-Triage and Exam Room-Triage will be located adjacent to the triage area for doing Patient consultations and physical assessments when required. The Interview Room-Triage and Exam Room-Triage will be collocated with the Registration-Workstation and each adjoined by means of a sliding door for Staff access. The Interview Room-Triage will accommodate a Staff zone on one side of a triage nurse workstation with the Patient and a companion seated opposite for Staff to consult with the Patient before determining whether to bring them into the Exam Room-Triage. The Exam Room-Triage has a second sliding door for the Patient to enter the space from the public side. The triage rooms will have BOH Convenient Access to the Care Team Station-Large. The Exam Room-Triage will include space for a triage nurse workstation so that this room can also be used for triage in busy periods.

4.1.5.3(3) The Care Team Station-Large will serve as the 'hub' of the Department and therefore requires clear visibility of the Patient examination/treatment spaces and internal corridors.

4.1.5.3(4) Both the Care Team Station-Large in the Trauma and Acute Treatment Zone and the Care Team Station-Satellite in the Streaming Area will be equipped with electronic patient information tracking boards for displaying Patient information, appointments, care team details and other relevant records. These tracking boards will be integrated into the design of the CTS such that they are easily seen by Staff but out of view of Patients and the public.

4.1.5.3(5) Both Care Team Stations will be glass-enclosed for Staff safety. The glass enclosure will be designed to facilitate Staff-Patient communication without compromising safety.

4.1.5.3(6) The Care Team Station-Satellite will have clinical camera monitoring duplicating the feed to clinical camera monitors at the Care Team Station-Large.

4.1.5.3(7) Staff support spaces will be located close to the Care Team Station-Large.

4.1.5.3(8) Medication rooms and utility rooms will be located centrally in relation to the CTS and Patient treatment spaces in each of the Trauma and Acute Treatment Zone and the Streaming Area.

4.1.5.3(9) Medication rooms will also be located in close proximity to their related Care Team Stations to facilitate communication between members of the care team to do with medication orders and preparation.

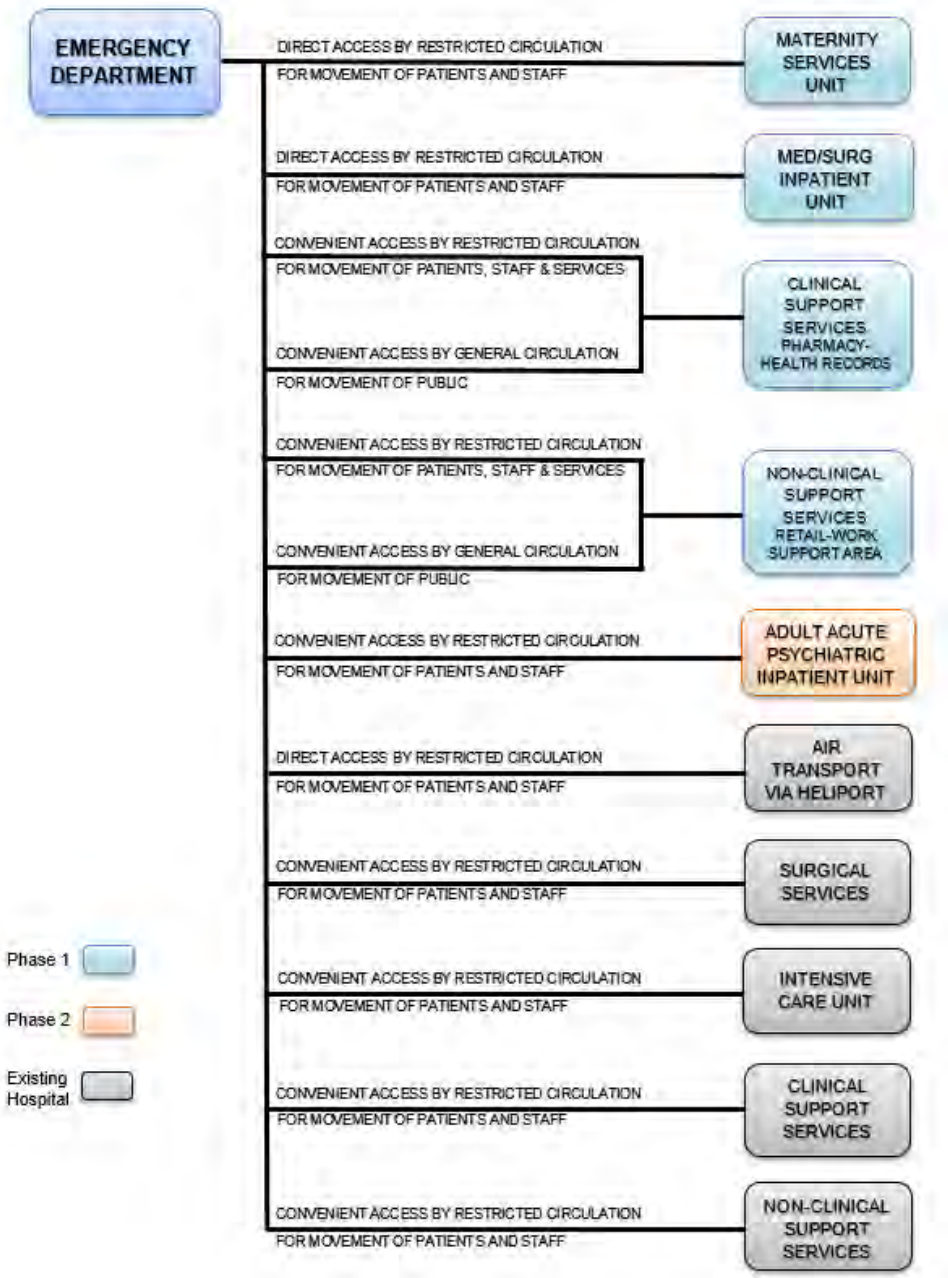
4.1.5.3(10) Each Workroom-Care Team will serve as a “safe” area for Staff when faced with an aggressive or unsafe situation.

4.1.5.3(11) Facilities such as the Lounge-Staff-Large and the manager’s office can be located at the periphery of the Department. Given its extended hours of operation, ED Staff requires a Staff lounge area within or close to the Department.

4.1.5.3(12) Clinical/Staff support facilities will comply with UBC Faculty of Medicine Design Guidelines and Functional Requirements for Learning Spaces: On-Call Suite.

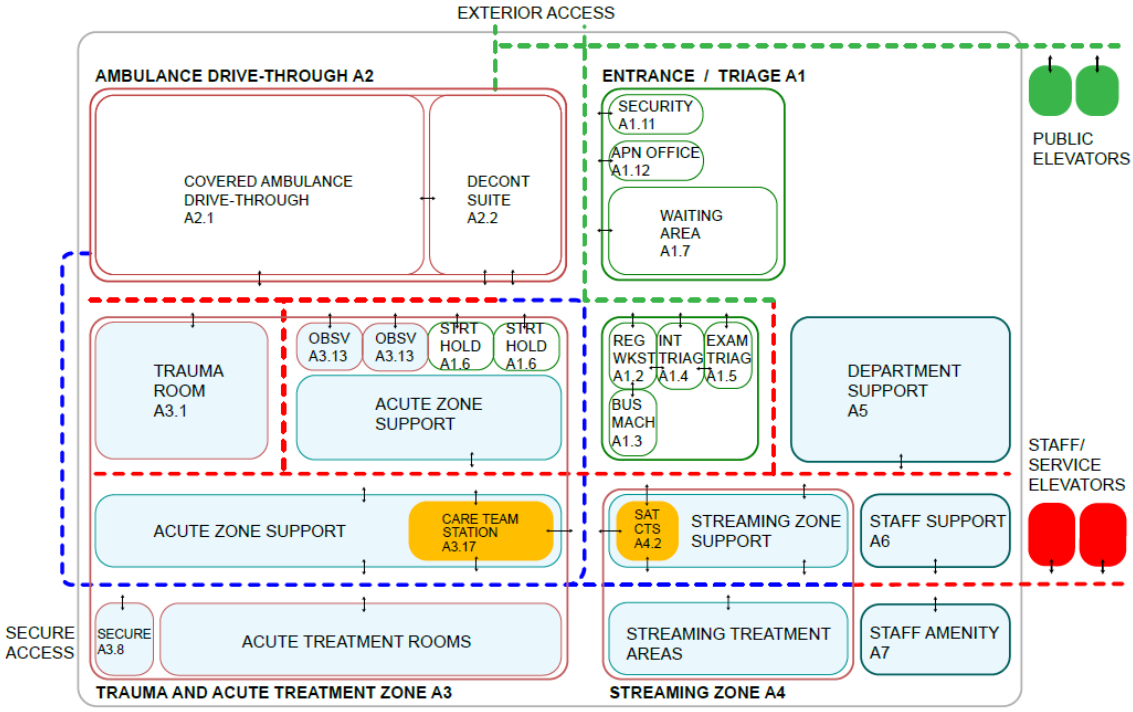
4.1.6 External Relationships

4.1.6.1 The following diagram is a summary of other Components in CMH that have a functional relationship with the Emergency Department.



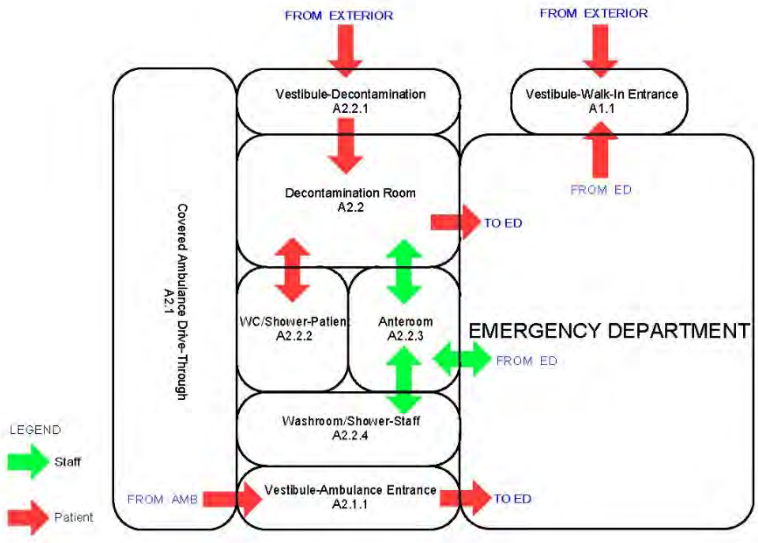
4.1.7 Component Diagram

4.1.7.1 The spatial organization of this Component will be generally as shown in the diagram below. The diagram illustrates conceptual relationships and will not be interpreted as a floor plan.



EMERGENCY DEPARTMENT FUNCTIONAL COMPONENT DIAGRAM

CIRCULATION
PUBLIC
PATIENT
STAFF/SERVICE
ACCESS
OUTBREAK ZONE



Decontamination Area

4.1.8 Schedule of Accommodation

4.1.8.1 The following table provides the spaces, numbers of spaces, net areas and space contents as minimum requirements. Note: the indented spaces indicate that the space is internally connected to the space listed above.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A1 - DEPARTMENT ENTRANCE AREA					
A1.1	Vestibule-Walk-In Entrance	1	12.0	12.0	Entry from building exterior into Emergency Department.
A1.1.1	Alcove-Respiratory Station	1	1.5	1.5	Respiratory Station with standard STOP signage. Stations shall have hand sanitizer dispensers and masks and tissues mounted for Convenient Access by visitors.
A1.2	Workstation-Registration	1	9.2	9.2	Total of 2 workstations and 2 phones with seating for two Staff. Low counter for wheelchair accessibility. Seating space for Patient and family member. Provide clear fully tempered glass partition wall with safety glazing labelling behind Patient seating for confidentiality. Adjacent to Exam Room-Triage. Signage affixed to glazing for wayfinding purposes. Provide pass through from A1.2 to A1.4 Interview Room. Provide safety glass between Public and Staff areas with a sliding panel.
A1.3	Workroom-Business Machine	1	10.0	10.0	Accommodates business equipment, paper supplies, and large confidential shredding bin; Millwork to be designed for easy access to forms, paper, toner and other supplies. Direct Access from Workstation-Registration. Total programmed area may be distributed as two separate rooms as determined in consultation with the Authority.
A1.4	Interview Room-Triage	1	9.5	9.5	Triage nurse workstation sitting across from Patient (space for two people). Visibility to Waiting Area-

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
					General and Vestibule-Walk-In Entrance. Close proximity to Workstation-Registration and BOH Convenient Access to Care Team Station. Close to Vestibule-Ambulance Entrance if possible. Access to the Department from the Triage Area, wheelchair accessible workstation. Dual access from unit side for Staff and public side for Patients. Data port for future one-cell medication management system in room. Videophone for afterhours registration to be located immediately outside this room. Notification bell button outside room for Patients to announce presence to Staff.
A1.5	Exam Room-Triage	1	13.0	13.0	Adjacent to Interview Room-Triage, includes ECG Machine, PPE and stretcher. Dual access from unit side for Staff and public side for Patients. Space for triage nurse workstation. Close proximity to Workstation-Registration and BOH Convenient Access to Care Team Station. Close proximity to Vestibule-Walk-in Entrance, Waiting Area-General and Vestibule-Ambulance Entrance, if possible. Medical gases. Wheelchair accessible.
A1.6	Holding Area-Ambulance Stretcher Triage	2	9.5	19.0	Medical gases. Collocated with Vestibule-Ambulance Entrance.
A1.6.1	Workstation-Clinician	1	2.5	2.5	Workstation for nursing Staff for triage. BCAS to use for paperwork. Collocation with A1.6 Holding Area-Ambulance Stretcher Triage is not required. Provide (6) half-size lockers.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A1.7	Waiting Area-General	1	36.0	36.0	Waiting for 15 persons plus room for 2 Patients in wheelchairs. Direct Access and Line of Sight to Child Playroom. Viewing area for wall-mounted television and digital messaging board. Authority-provided freestanding phone charging station for public and Patients.
A1.7.1		0	0	0	
A1.7.2	Child Playroom	1	15	15	Children's memorial playroom designed to meet infection control standards. Direct Access and Line of Sight from Waiting Area-General.
A1.8	Alcove-Registration Kiosk	1	4.0	4.0	Separate space, adjacent to Waiting Area-General for future self-registration/check-in kiosk.
A1.9	Alcove-Vending Machine	1	1.5	1.5	Located adjacent to Waiting Area-General.
A1.10	Alcove-Visitor Phone	1	1.5	1.5	Located on a table within A1.7 Waiting Area-General.
A1.11	Office-Security	1	10.0	10.0	Workstation for photo ID, alarm notification and camera monitoring with 3 monitors. Equipment storage, radio charging stations. Located within the Vestibule-Walk-In Entrance, transaction window to the Vestibule-Walk-In Entrance, Line of Sight to the Waiting Area-General, entrance from Waiting Area-General. Controlled access. Security camera monitoring of parking areas and building entrance. Small fridge for lunches. Restricted access buttons to prohibit access both into the ED and into CMH as a whole via the access control system. Ability to put the ED separately or the entire CMH into restricted access mode. Provide (2) half lockers (stacked).
A1.11.1	Lockers/Storage-Staff	1	1.5	1.5	Alcove within the Office-Security for boots, coats, etc.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A1.12	Office-Aboriginal Patient Navigator	1	14.0	14.0	Office space with desk, workstation and seating for family around a table. Dual means of egress. Panic/duress system.
A1.13	Alcove-Wheelchair/Stretcher	1	5.0	5.0	Accommodates up to 1 stretcher and 2 wheelchairs. To be located adjacent to Vestibule-Walk-In Entrance.
A1.14	Washroom-Public	1	4.6	4.6	2-piece (sink, toilet), barrier-free accessibility.
A1.15	Washroom-Public-Bariatric	1	5.6	5.6	2-piece (sink, toilet), grab bars, toilet floor-mounted for bariatric, barrier-free accessibility.
TOTAL NSM: Department Entrance Area				**178.4**	

A2 - AMBULANCE DRIVE-THROUGH					
A2.1	Covered Ambulance Drive-Through	1	[250.0]	[250.0]	Space for 2 ambulances. Contains two hose bibs with hot and cold water and one floor drain for each ambulance bay. Covered ambulance drive-through.
A2.1.1	Vestibule-Ambulance Entrance	1	8.0	8.0	Access into the Facility from the Ambulance Drive-Through. Access control on exterior door.
A2.2	Decontamination Room	1	16.0	16.0	Accommodates two shower heads and a waterproof stretcher in a curtained area, concealed headwall with medical gases (closed behind a locking waterproof door) and wall-mounted eyewash station. Hand hygiene sink at entry. Negative airflow, separate floor drains at entryway and in shower area. Requires 1000 mm clear on three sides of the stretcher. Access into the Decontamination Room from the building exterior. Controlled access at exterior door. Intercom to and remote release of exterior door controlled from registration/triage area.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A2.2.1	Not Used	0	0	0	
A2.2.2	Washroom/Shower-Patient	1	5.6	5.6	3-piece washroom (sink, toilet, shower) accessed from the Front of House corridor.
A2.2.3	Anteroom-Decontamination	1	7.5	7.5	Functional space for storing and donning protective apparel prior to entering the Decontamination Room.
A2.2.4	Washroom/Shower-Staff	1	5.6	5.6	3-piece washroom (sink, toilet, shower) and change room for Staff, accessed from the Anteroom-Decontamination.
A2.3	Storage Room-Police/EMS	1	9.3	9.3	Adjacent to the Covered Ambulance Drive-Through. Equipment storage. Workstation for paperwork after a call.
NOT USED					
A2.5	Washroom-Staff	1	4.6	4.6	2-piece (sink, toilet). Barrier-free accessibility.
TOTAL NSM: Ambulance Drive-Through				**56.6**	

A3 - TRAUMA AND ACUTE TREATMENT ZONE					
Clinical Area					
A3.1	Resuscitation Room	1	70.0	70.0	Accommodates 2 treatment areas with stretchers and a full-height wall extending partway into the room between the bays. Medical gases at each stretcher bay on service booms. Adjacent to Vestibule-Ambulance Entrance, with efficient access to CT imaging room, and existing ORs. Clear Line of Sight from CTS to Resuscitation Room. Medication management system in room. One workstation with single monitor, one

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
					workstation with dual PACS monitors. Fitted out for ceiling lift at each bay (infrastructure only). One hand hygiene sink shared between the bays.
A3.1.1.	Anteroom-AIR	1	7.5	7.5	Full change supplies, gowning, hands-free hand hygiene sink.
A3.2	Exam/Treatment Room	3	13.0	39.0	Hand hygiene sink, garbage container, linen hamper, workstation, visitor chair, physician stool, stretcher, exam light, medical gases, cardiac monitors, nurse call and sliding glass door. Ceiling lift. Monitored bed. One Exam/Treatment Room to be identified for pediatric care.
A3.3	Exam/Treatment Room-Safe	1	13.0	13.0	Hand hygiene sink, garbage container, linen hamper, workstation, visitor chair, physician stool, stretcher, medical gases concealed within a securable, recessed Tamper Resistant cabinet, Authority-provided mobile cardiac monitors, nurse call and sliding glass door. Monitored bed, Ligature Resistant features, dual means of egress. Line of Sight to CTS, if possible.
A3.4	Exam/Treatment Room-Bariatric	1	14.0	14.0	Hand hygiene sink, garbage container, linen hamper, workstation, visitor chair, physician stool, stretcher, exam light, medical gases, cardiac monitors, nurse call and sliding glass door. Ceiling lift. Monitored bed.
A3.5	Exam/Treatment Room-Bariatric-AIR	1	14.0	14.0	Hand hygiene sink, garbage container, linen hamper, workstation, visitor chair, physician stool, stretcher, medical gases

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
					concealed within a securable, recessed Tamper Resistant cabinet, Authority-provided mobile cardiac monitors, nurse call and sliding glass door. Ceiling lift enclosed and locked in Millwork. Monitored bed. Dual headwalls, Ligature Resistant features. Negative pressure. Door for Direct Access to the corridor when the room is not in airborne isolation mode.
A3.5.1	Anteroom-AIR	1	7.5	7.5	Full change supplies, gowning, hands-free hand hygiene sink. Ligature Resistant features
A3.5.2	Washroom/Shower-Patient-Bariatric-AIR	1	7.5	7.5	3-piece (toilet, sink and shower). Enclosed Patient waste disposal unit. Accessed from Exam/Treatment Room-Bariatric-AIR only. Ligature Resistant features
A3.6	Exam/Treatment Room-Gyne	1	15.0	15.0	Hand hygiene sink, garbage container, linen hamper, workstation, visitor chair, physician stool, stretcher, exam light, medical gases, diagnostic set, and privacy curtain. Ceiling lift. Utility sink. Fitted out for double headwalls. Foot of the Patient stretcher oriented away from the door. Ceiling-mounted perinatal examination light at the foot of the bed. Data for portable monitor.
A3.6.1	Washroom/Shower-Patient-Gyne	1	5.6	5.6	Co-locate with and provide Direct Access to Exam/Treatment Room-Gyne. Toilet, sink, shower, wall mounted soap & paper towel dispensers. Staff assist/nurse call system.
A3.7	Exam/Treatment Room-HEENT	1	15.5	15.5	Hand hygiene sink, garbage container, linen hamper, workstation, 2 visitor chairs, physician stool, reclining exam chair, exam light, medical gases, and diagnostic set. Ceiling lift.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
					Utility sink, wall-mounted eyewash station. Slit lamp.
A3.7.1	Alcove-Equipment-Small	1	1.5	1.5	For equipment used in Exam/Treatment Room-HEENT.
A3.8	Secure Room	1	14.0	14.0	Conforms to MOH standards set out in Hospital-Based Psychiatric Emergency Services: Observation Units, 2014. Includes integral toilet and sink. Placed to include a window in an exterior wall. Floor drain. Close to exterior door and located in an area that is not sound sensitive. Locate as far as possible from other Patient treatment areas.
A3.9	Alcove-Hose Bib	1	1.5	1.5	Concealed hose bib for cleaning outside the Secure Room, directly adjacent.
A3.10	Alcove-Workstation	1	2.5	2.5	Touchdown station for charting, Patient observation outside the Secure Room.
A3.11	Cast Room	1	16.5	16.5	Hand hygiene sink, garbage container, linen hamper, workstation, 2 visitor chairs, physician stool, stretcher, exam light, medical gases, diagnostic set, and privacy curtain. Ceiling lift. Utility sink with plaster trap, secure full wall cabinetry, PACS viewing. Minimum 12 air changes, negative pressure for cast removals. 2 storage carts in room for cast supplies.
A3.11.1	Alcove-Equipment-Small	1	1.5	1.5	Alcove for dedicated cast cart in Cast Room.
A3.12	Consultation/Interview Room	1	12.0	12.0	Equipped with workstation, table, and clinician, Patient, and visitor chairs. Telehealth capabilities.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
					Equipment in this room to be weighted and minimal. Comfortable weighted seating to be considered. Located close to the entry to the Trauma and Acute Treatment Zone. Located in a visible location for safety; provide dual means of egress. Panic/duress system. Ligature Resistant features.
A3.13	Observation/Holding Room	2	13.0	26.0	Hand hygiene sink, garbage container, linen hamper, workstation, 2 visitor chairs, physician stool, stretcher, exam light, medical gases, diagnostic set, and privacy curtain. Ceiling lift. Clinical Decision, for Patients waiting either for discharge or for admission to an inpatient unit.
A3.14	Washroom-Patient	1	4.6	4.6	2-piece (toilet, sink) for Patients on unit. Barrier-free accessibility. Staff assist/nurse call system.
A3.15	Washroom/Shower-Patient-Bariatric	1	7.5	7.5	3-piece (toilet, sink, shower), toilet floor-mounted for bariatric, barrier-free accessibility. Shelf for personal items. Staff assist/nurse call system. Floor drain. Fitted out with Ligature Resistant fixtures and features.
Staff Support Area					
A3.16	Workstation-Unit Clerk	1	9.2	9.2	Collocated with Care Team Station.
A3.17	Care Team Station-Large	1	37.5	37.5	Central station. Includes up to 8 workstations. Provide Line of Sight to all Patient rooms.
A3.17.1	Alcove-Pneumatic Tube Station	1	1.5	1.5	Acoustic separation from Care Team Station work areas.
A3.17.2	Workroom-Care Team-Large	1	23.5	23.5	Quiet, confidential work area. Site for collaborative meetings/teaching. Acoustically separated from Care Team Station but directly adjacent. Accommodates charging for small electronic devices, including cell phones and Vocera. Alcove for

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
					charging mobile workstation batteries. Includes 6 workstations.
A3.17.3	Workstation-Learner	1	2.5	2.5	Incl. workstation, power, data, cabinet for personal items. Priority access for UBC learners.
A3.18	Workstation-Central Monitoring	2	2.5	5.0	One central station per 8 beds, workstation, two monitors, printer. Collocated with Care Team Station.
A3.19	Workstation-Touchdown	1	4.6	4.6	Workstation, power, data. Centrally located.
A3.20	Medication Room	1	16.0	16.0	Millwork, standing-height counter, workstations, telephone, glucometers, hand hygiene sink, small counter-mounted refrigerator monitored by BMS, three-cell medication management system, recessed lockable cabinet and wall-mounted storage (adjustable wire shelving), glazing for visibility. Automatic opener. Controlled access, entry from Front of House corridor. Located in close proximity to and with Line of Sight to the Care Team Station. Directly adjacent to the Utility Room-Clean-XLarge. Provide glazing for sight lines into the room.
A3.21	Alcove-Hand Hygiene Sink	1	1.5	1.5	Located within 6 m of Care Team Station entrances. Includes hand hygiene sink, Personal Protective Equipment, Infection Protection and Control signage.
Unit Support Area					

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A3.22	Family Quiet Room	1	11.0	11.0	Used for medical interviews. Access to Waiting Area and Care Team Station. Includes small kitchenette. Nurse call and controlled access.
A3.23	Alcove-Blanket Warmer	3	1.5	4.5	Includes data ports and electrical outlets. Distributed throughout unit.
A3.24	Alcove-Linen Cart	3	1.5	4.5	Includes data ports and electrical outlets. Distributed throughout unit.
A3.25	Alcove-Crash Cart	3	1.5	4.5	Includes data ports and electrical outlets. Distributed throughout unit. 1 for pediatric Patients, 1 dedicated to Resuscitation Room, 1 centrally located.
A3.26	Alcove-Food Cart	2	1.5	3.0	For storage of food carts waiting to be returned to the central kitchen. Separate alcoves for clean and soiled.
A3.27	Alcove-Nourishment	1	4.5	4.5	Small room with walls on three sides. Millwork counter with double sink and hot water tap, upper storage cabinets and countertop microwave, lower storage cabinets and enclosed drawers, full-size refrigerator and microwave oven. Small kitchen appliances, individual ice dispenser with filtered water.
A3.28	Alcove-Equipment-Large	1	3.0	3.0	Locate in proximity to Exam/Treatment Rooms. For IV poles, ECG machine, ultrasound machine, etc. Total programmed area may be distributed as two separate rooms as determined in consultation with the Authority.
TOTAL NSM: Trauma and Acute Treatment Zone				**432.5**	

A4 - STREAMING AREA
Unit Entrance Area

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A4.1	Waiting Area	1	15.0	15.0	6 chairs for waiting plus 1 wheelchair. Medical gas outlets for oxygen, recessed with lockable cover, at two chair locations (suction not required). Nurse call.
Clinical Area					
A4.2	Care Team Station-Satellite	1	9.2	9.2	Central station. Dedicated to Streaming; includes 2 workstations.
A4.2.1	Alcove-Pneumatic Tube Station	1	1.5	1.5	Acoustic separation from Care Team Station work areas.
A4.3	Workstation-Touchdown	1	4.6	4.6	Enclosed workstation for acoustic privacy, power, data; used for dictation, etc. Centrally located.
A4.4	Exam/Treatment Room-Streaming	4	13.0	52.0	Hand hygiene sink, garbage container, linen hamper, workstation, visitor chair, physician stool, stretcher, exam light, medical gases, and diagnostic set. Ceiling lift.
A4.5	Exam/Treatment Bay-Streaming	4	7.5	30.0	Chair, curtained bays on three sides. Medical gases.
A4.6	Washroom-Patient	1	4.6	4.6	2-piece (toilet, sink) for Patients on unit. Barrier-free accessibility. Staff assist/nurse call system.
A4.7	Alcove-Hand Hygiene Sink	1	1.5	1.5	Includes hand hygiene sink, Infection Protection and Control signage. Shared between four Exam/Treatment Bay-Streaming.
Staff Support Area					
A4.8	Satellite Lab Collection Area	1	7.0	7.0	Phlebotomy area with cart, chair, hand hygiene sink. Ensure key adjacency to Streaming and Triage areas. Sliding glass door to the Front of House corridor. Wheelchair accessible space.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A4.9	Satellite Lab Work Area	1	4.6	4.6	Accommodates one workstation with storage and label printer on pull-out shelf. Located directly adjacent to Satellite Lab Collection Area. Ensure key adjacency to Triage area. Convenient Access to Alcove-Pneumatic Tube Station at Care Team Station-Satellite. Sliding door to the Back of House corridor.
Unit Support Area					
A4.10	Not Used	0	0	0	
A4.11	Satellite Nourishment	1	4.5	4.5	Recessed alcove along one wall. Millwork counter, under-counter fridge, , upper storage cabinets and lower storage cabinets. Small kitchen appliances, individual ice dispenser with filtered water.
A4.12	Alcove-Equipment-Large	1	3.0	3.0	Includes data ports and electrical outlets.
TOTAL NSM: Streaming Area				**137.5**	

A5 - STAFF SUPPORT AREA					
A5.1	Meeting Room	1	20.0	20.0	UBC compatible touchdown, for up to 8 people. Shared, bookable room. Preferably located outside the Department for shared access.
A5.2	Office-Private	2	11.0	22.0	Workstation, desk and small meeting area. One private office for ED Manager and one private office for CCRT (added - currently within Gateway, if moves off site, CCRT remains to support ED).
A5.3	Office-Shared	2	14.0	28.0	2 workstations and 2 desks.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
					One secure shared office for two physicians and one shared office for PCC and nurse educator.
TOTAL NSM: Staff Support Area				**70.0**	

A6 - DEPARTMENT SUPPORT AREA					
A6.1	Utility Room-Clean-XLarge	1	19.5	19.5	Wall-mounted wire bin storage system for top up (adjustable wire shelving). Accommodation for wire cart with adjustable shelves. Collocated with Medication Room. Controlled access.
A6.2	Utility Room-Soiled	1	13.5	13.5	Hand hygiene sink at entry. Stainless steel counter with marine edge and utility sink, upper cabinets. Lower cabinets with wire bin pull out shelves except below utility sink. Access to Personal Protective Equipment for unit-based decontamination and cleaning. Enclosed Patient waste disposal unit, floor drain. Keyed entry, door closer. Accommodates soiled equipment for preliminary cleaning (wheelchairs, IV poles). Alcove to accommodate storage rack with Vernacare supplies outside of sink splash zone.
A6.3	Holding Room-Soiled	1	9.0	9.0	Accommodates staged storage for bins of garbage, soiled linen, biohazardous waste, recyclables etc. Located in close proximity to service elevators. Controlled access. To accommodate temporary storage of dirty equipment waiting to be cleaned.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A6.4	Housekeeping Room	1	12.0	12.0	Hand hygiene sink at entry. Wall-mounted eyewash station. Wall-mounted shelving with enclosed wall-mounted cabinet for storage of clean supplies. Janitorial sink. Pre-mixed automatic systems for dispensing chemical supplies. Accommodates housekeeping carts, ladders, floor cleaning machine, and cleaning supplies. Located in close proximity to service elevators. Controlled access. Floor drain.
A6.5	Housekeeping Closet	1	7.0	7.0	To house buckets, mops and extra housekeeping supplies. To be located in close proximity to the Covered Ambulance Drive-Through for ease of access.
A6.6	Storage Room-Equipment-Large	1	24.0	24.0	Incl. one (1) data port and recharging outlets along one wall at 1m O/C. Hooks for equipment storage. Automatic door opener with hands-free operation. Total programmed area may be distributed as two separate rooms as determined in consultation with the Authority.
TOTAL NSM: Department Support Area				**85.0**	

A7 - STAFF AMENITY AREA					
A7.1	Lounge-Staff-Large	1	24.0	24.0	Seating for 12 Staff members. Kitchenette with countertop and cupboard storage, toaster, microwave, utility sink, full-size fridge, coffeemaker and dishwasher. Dining table and chairs. Soft comfortable seating and TV.
A7.1.1	Lockers-Staff	26	0.4	10.4	26 half-sized lockers and boot cubbies, coat hooks for jackets.
A7.2	Washroom-Staff	1	4.6	4.6	2-piece (sink, toilet). Barrier-free accessibility.
A7.3	Washroom/Shower-Staff	1	5.6	5.6	3-piece (sink, toilet, shower). Barrier-free accessibility.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
A - EMERGENCY DEPARTMENT					
A7.4	Alcove-Hand Hygiene Sink	1	1.5	1.5	Located adjacent to Lounge-Staff. Includes hand hygiene sink, Infection Protection and Control signage.
A7.5	On-Call Room	1	9.0	9.0	Sleeping room. Each room has independent entry from back-of-house circulation. Provide 4 half-sized lockers.
A7.6	Lockers-On-Call	8	0.4	3.2	8 half-sized lockers and boot cubbies, coat hooks for jackets. To be entered without going into the On-Call Room or Washroom/Shower-Staff. Access controlled.
A7.7	Washroom/Shower-Staff	1	5.6	5.6	3-piece (sink, toilet, shower).
TOTAL NSM: Staff Amenity Area				**63.9**	

Summary of Emergency Department

A1 - DEPARTMENT ENTRANCE AREA	175.4
A2 - AMBULANCE DRIVE-THROUGH	56.6
A3 - TRAUMA AND ACUTE TREATMENT ZONE	432.5
A4 - STREAMING AREA	137.5
A5 - STAFF SUPPORT AREA	70.0
A6 - DEPARTMENT SUPPORT AREA	85.0
A7 - STAFF AMENITY AREA	63.9
EMERGENCY DEPARTMENT PROGRAMMED SPACE NSM:	**1020.9**

4.2 B. MEDICAL-SURGICAL INPATIENT UNIT

4.2.1 Overview

4.2.1.1 Planning Parameters & Assumptions

4.2.1.1(1) The Medical-Surgical Inpatient Unit Component has been developed based on the following key assumptions:

4.2.1.1(1)(a) There will be three (3) Medical-Surgical Inpatient clinical areas of 12 beds.

4.2.1.1(1)(b) Each 12-bed clinical area will include special provisions for bariatric Patients and those with large families, with

one (1) Patient Room-Private-Bariatric, and one (1) Patient Room-Private-Bariatric-AIR for every 12 beds.

4.2.1.1(1)(c) Most Patient rooms will be private and all will include an ensuite washroom with a shower. Each 12-bed clinical area will include two (2) Shared Patient rooms, each with a shared ensuite washroom. Patient ensuite washrooms will be fully accessible with dual-sided access to the toilet for Staff to assist the Patient. Bariatric rooms will have ensuite washrooms with floor-mounted toilets accommodating the use of a bariatric commode over the toilet as required.

4.2.1.1(1)(d) All Patient rooms will be equipped with ceiling-mounted Patient lifts.

4.2.1.1(1)(e) Patient rooms will be acuity-adaptable and capable of accommodating a range of acuity levels or a single Patient's evolving acuity level with little or no change to the room's configuration or supplies and equipment content.

4.2.1.1(1)(f) The Component will be designed to meet elder-friendly environment principles as set out in the guideline *Code Plus Physical Design Components for an Elder Friendly Hospital*.

4.2.1.1(1)(g) The Component can accommodate pediatric Patients.

4.2.1.1(1)(h) An increased emphasis will be placed on family-involved care in support of holistic Patient-centred care. The importance of family involvement is recognized and will be accommodated with spaces for large families to gather and be present to participate in care planning and to provide care and support to their family member.

4.2.1.1(1)(i) Traditional practices, ceremonies and special dietary needs will be accommodated.

4.2.1.1(1)(j) The Facility will provide for an enhanced focus on ergonomic design for both Patients and Staff.

4.2.1.1(1)(k) Care team stations and their associated workrooms will encourage collaboration among interdisciplinary team members, including students.

4.2.1.1(1)(l) The Medical-Surgical Inpatient Unit will provide facilities for the isolation and treatment of Patients with infectious diseases.

4.2.1.1(1)(m) The Component will be equipped with a wander management solution to accommodate Patients at risk.

4.2.1.2 Service Trends

4.2.1.2(1) The following service directions and needs are expected to influence this Component:

4.2.1.2(1)(a) The Medical-Surgical Inpatient Unit will treat Patients having increasingly complex multi-system needs, including those with antibiotic-resistant infectious diseases requiring contact and airborne isolation precautions;

4.2.1.2(1)(b) There is an increase in infectious, transmittable and resistant diseases, resulting in a greater need to isolate Patients;

4.2.1.2(1)(c) There is an increased incidence of airborne infectious diseases, such as TB, in the area that requires airborne isolation;

4.2.1.2(1)(d) Patients requiring inpatient care are becoming older and are often more dependent. They are likely to have greater co-morbidities and will require close coordination with primary care and community care for discharge arrangements;

4.2.1.2(1)(e) Surgery continues to become more specialist oriented, and more complex surgery will continue to develop;

4.2.1.2(1)(f) The parallel development of day and short-stay care for a greater range of procedures, both invasive and non-invasive, will accentuate the trend of changes in inpatient care;

4.2.1.2(1)(g) Acuity of care is increasing at CMH;

4.2.1.2(1)(h) The incidence of obesity is increasing with the incidence of chronic disease and is higher in the region than the provincial average. A higher ratio of rooms for bariatric Patients has been identified for CMH due to the need both for bariatric facilities and for larger rooms to accommodate large families visiting Patients in consideration of the needs identified by Aboriginal communities in the area;

4.2.1.2(1)(i) The use of robotics and automation for the delivery and assistance of care is increasing;

4.2.1.2(1)(j) There is a transition underway to electronic charting and documentation;

4.2.1.2(1)(k) New models of care delivery are evolving and there is an increasing focus on interprofessional practice models in clinical areas and inter-portfolio care planning; and

4.2.1.2(1)(l) There is an increasing focus on the integration of care along the care continuum (i.e., much tighter linkages between inpatient, outpatient and community care).

4.2.1.3 Multidisciplinary Context

4.2.1.3(1) A multidisciplinary integrated service delivery model will provide care in the Medical-Surgical Inpatient Unit, and adequate space will be allocated in order for that model to function, e.g. Patient rooms, care team member work areas and meeting spaces.

4.2.2 Functional Description

4.2.2.1 Scope Of Services

4.2.2.1(1) The three clinical areas in this Component will provide facilities for the delivery of secondary and specialized acute care service to medical and surgical inpatients (adult and pediatric) within a total of 36 beds. These spaces are programmed in groups of 12-bed clinical areas with their support spaces, which are organized separately as one 24-bed IPU and one separate 12-bed standalone IPU. Both of these IPUs will share various spaces and services supporting the entire 36-bed medical-surgical inpatient complement. This Component will also contain interdisciplinary Patient care, Staff support, and visitor support facilities.

4.2.2.1(2) Care services on the IPUs will include, among others:

4.2.2.1(2)(a) Facilitating Patient and family centred care;

4.2.2.1(2)(b) Receiving, assessing and monitoring Patients' holistic needs;

4.2.2.1(2)(c) Routine and emergency nursing care, including examinations, assessments and treatments;

4.2.2.1(2)(d) Accessing and administering medications;

4.2.2.1(2)(e) Consulting with physicians, pharmacists and other interdisciplinary team members;

4.2.2.1(2)(f) Preparing Patients for diagnostic and treatment services;

4.2.2.1(2)(g) Facilitating Patient comfort and relaxation, recreation and activation;

4.2.2.1(2)(h) Providing family support, consultation and counselling;

4.2.2.1(2)(i) Educating Patients, family, Staff and students; and

4.2.2.1(2)(j) Contributing and collaborating with the plan of care for the Patient.

4.2.2.1(3) Medical and surgical services in the Component will include, among others:

4.2.2.1(3)(a) Documenting historical medical and social information;

4.2.2.1(3)(b) Participating in the overall program development for medical and surgical areas of practice;

4.2.2.1(3)(c) Admitting Patients directly, from surgical services, via the Emergency Department or from a GP's office;

4.2.2.1(3)(d) Ordering medical diagnostic and treatment procedures;

4.2.2.1(3)(e) Providing medical assessment, examinations, treatment and medical procedures;

4.2.2.1(3)(f) Prescribing medications and consulting with nursing Staff and pharmacists;

4.2.2.1(3)(g) Providing emergency examination and treatment as required;

4.2.2.1(3)(h) Educating Patients, family, Staff, students, and residents;

4.2.2.1(3)(i) Documenting Patients' progress and maintaining Patient charts and records;

4.2.2.1(3)(j) Conducting shift reports and participating in interdisciplinary Patient care planning conferences; and

4.2.2.1(3)(k) Coordinating, implementing, communicating, administering, scheduling, and evaluating the overall operations of the unit.

4.2.2.1(4) Clinical professional service team members (e.g., physiotherapists, occupational therapists, dietitians, respiratory therapists, lab technicians, pharmacists, nurse educators, transition liaisons, the Aboriginal Patient Navigator, public health nurses, etc.) will travel to the IPUs from their central departments, as required. Selected team members will have permanent or shared workspace within the IPU support areas.

4.2.2.2 Client Profile

4.2.2.2(1) Patients will be admitted to the Medical-Surgical Inpatient Unit for:

4.2.2.2(1)(a) Observation and monitoring;

4.2.2.2(1)(b) Medical treatment and post-procedure care;

4.2.2.2(1)(c) Surgical post-operative care;

4.2.2.2(1)(d) Rehabilitative care;

4.2.2.2(1)(e) Diagnosis and assessment;

4.2.2.2(1)(f) Anaesthesia and pain management;

4.2.2.2(1)(g) Isolation of infectious diseases;

4.2.2.2(1)(h) Chronic disease management; and

4.2.2.2(1)(i) Repatriation from other hospital sites.

4.2.2.3 Regional Context

4.2.2.3(1) The Component will function as a regional resource, admitting Patients from the entire catchment area.

4.2.2.4 Education

4.2.2.4(1) The Medical-Surgical IPUs will provide clinical resources in support of teaching programs for the following types of students:

4.2.2.4(1)(a) Medical students;

4.2.2.4(1)(b) Nursing (diploma, undergraduate and graduate) students; and

4.2.2.4(1)(c) Other students, including pharmacy and other allied health professions.

4.2.2.4(2) Clinical teaching programs will be accommodated in Patient Care Areas. Formal lectures or continuing education will not be accommodated in the clinical areas where direct inpatient care is provided.

4.2.2.4(3) In-service education, rounds, and Patient teaching programs will be conducted on a regular basis throughout the Component's Clinical Spaces as well as in Staff conference/meeting room(s) and Patient/family teaching rooms equipped with audiovisual equipment.

4.2.2.5 Research

4.2.2.5(1) Research activities, including clinical trials, epidemiological studies, and quality improvement initiatives, may occur within the Component but will not require unique Staff or Facility resources. Office or work space may be allocated in the IPU support areas for use by clinical researchers.

4.2.3 Operational Considerations

4.2.3.1 Service Delivery Principles & Methods

4.2.3.1(1) Client/Patient Flow

4.2.3.1(1)(a) Patients will be admitted to the Medical-Surgical Inpatient Unit by direct admission, including unscheduled admissions, or through transfers from other facilities or from other Departments of CMH. Admitted Patients will initially report to the Care Team Station or unit clerk upon arrival on the IPU.

4.2.3.1(1)(b) All Patients on an IPU will be under direct care of a physician or the most responsible provider in the case of a nurse practitioner. The inpatient service will be led by the Patient care coordinator with a team of registered nurses, licensed practical nurses, nurse practitioners, nursing attendants, unit clerks, care aide and support clerks. Other health care professionals that provide care to the inpatient service will be managed through their respective Departments.

4.2.3.1(1)(c) Flexibility to accommodate different care concepts must be provided, including primary care, team nursing, Patient-centred care, etc. Care will be planned and provided by a multidisciplinary team of health care professionals, including community services and long-term care for discharge planning purposes. Patient and family education will be emphasized to meet the increased need for information regarding self-care and health promotion.

4.2.3.1(2) Patient Admission/Discharge

4.2.3.1(2)(a) Admission to and discharge from an IPU will be based on specific criteria. Discharge functions are supported by CMH's transition liaison services, social work, nursing, Aboriginal Patient Navigation and by the Patient's most responsible provider. A discharge plan will be developed by the team in conjunction with the Patient and family, and community services when appropriate, to ensure seamless re-entry to the community.

4.2.3.1(3) Visitor Management

4.2.3.1(3)(a) The Medical/Surgical inpatient Unit will be an open unit but will be capable of being secured with respect to public access. The public entrances to the IPUs will be under visual surveillance by Staff at the Care Team Station. Patient rooms will accommodate seating for visitors and support persons and be fitted out for a family member to room in with the Patient overnight.

4.2.3.2 Staff Organization

4.2.3.2(1)(a) A primary care nursing model will be applied in the IPUs, whereby the majority of Patient care and follow-up documentation will be completed at the Patient bedside. A central Care Team Station will support all Staff, including nurses, unit clerks, physicians, allied health providers, consultants, and community professionals, and encourage Staff-to-Staff communication and collaboration.

4.2.3.2(1)(b) Staffing assignment is based on RN/LPN scope of practice and acuity of Patient condition. To support workload, flexibility of Patient assignment and Staff

access to support spaces (i.e. medication rooms, utility rooms) needs to be considered.

4.2.3.3 Clinical Support Services

4.2.3.3(1) Clinical Nutrition Services

4.2.3.3(1)(a) A registered dietitian will screen, assess and monitor Patients who are high to moderate nutrition risk. The registered dietitian will have access to a shared work area on each unit.

4.2.3.3(2) Medical Imaging

4.2.3.3(2)(a) Computer workstations will have the software to view PACS.

4.2.3.3(2)(b) MI will have CR Reader Workstation and an equipment alcove to store a portable X-ray machine within the Component.

4.2.3.3(3) Food Services

4.2.3.3(3)(a) Point of care meal service for three meals daily is proposed for all Patients in the Medical-Surgical Inpatient Unit. Prepared in the Existing Hospital's central kitchen Portioning and serving will be provided for Patients from a food cart. Food will be plated to suit Patient preference, heated and delivered from the food cart by food services employees to the Patient bedside three times a day.

4.2.3.3(3)(b) All ware washing of dirty dishes, trays, pans and food carts will take place after each meal in the Existing Hospital's central kitchen.

4.2.3.3(3)(c) An Alcove-Nourishment stocked with sundries by dietary aides and equipped with a fridge, microwave, hot water tap, coffee maker, ice chip machine, and sundries will be provided for each 12-bed clinical area. Staff, Patients and family will be able to access and serve themselves at these stations. This function will promote family/caregiver participation in Patient care.

4.2.3.3(4) Laboratory

4.2.3.3(4)(a) Laboratory Staff members will come to each IPU to collect specimens as required. Specimens will be transported to the laboratory by pneumatic tube system as permitted or by Staff.

4.2.3.3(4)(b) Specific blood products can be ordered electronically and delivered by the pneumatic tube station or be transported by Staff to the IPU.

4.2.3.3(5) Pharmacy Services

4.2.3.3(5)(a) Each 12-bed clinical area will have a Medication Room for preparation of medications. Pharmacy Staff will have access to a work area on the unit.

4.2.3.3(5)(b) Pharmaceutical supply to the Medical-Surgical IPUs will utilize a computerized, individual prescription, unit-dose system. Medications, including narcotics, will be prepared in the central Pharmacy, delivered by pharmacy Staff to the IPU and placed in medication management systems (MMS) sized to suit the number of Patients served on the Unit or clinical area. Narcotics will be accommodated within each medication cabinet or designated narcotic lockbox.

4.2.3.3(5)(c) Patient medications brought from home, including traditional medicines, will be stored in lockable cabinets Patient rooms and/or medications rooms after being sent to the pharmacy for identification and labeling.

4.2.3.3(5)(d) A supply of pharmaceuticals (e.g. medicated IV solutions) will be distributed using a ward stock system and stored in the ADM fridge in the Medication Room.

4.2.3.3(5)(e) Non-medicated IV solutions are supplied by logistics and will be kept in the open shelving in the Medication Room or in the Utility Room-Clean.

4.2.3.3(5)(f) All medications will be ordered electronically, and STAT requests will be transported manually or via the pneumatic tube station.

4.2.3.3(5)(g) The pharmacist will perform pharmaceutical care activities on the unit utilizing a shared workstation.

4.2.3.3(6) Rehabilitation

4.2.3.3(6)(a) Rehabilitation services will be provided to Patients both in their room and in common areas. Rehabilitation Staff will require access to a shared workstation on each IPU. The 36 beds in the Component will be supported by the Rehabilitation Room-Satellite collocated with the 24-bed IPU. Patients from the 12-Bed Standalone IPU will be transferred to this space by elevator.

4.2.3.3(7) Respiratory Therapy (RT)

4.2.3.3(7)(a) RT will provide services to inpatients. RT Staff will require access to a shared work area on each unit.

4.2.3.3(8) Social Work

4.2.3.3(8)(a) Social Work will provide services to both Patients and their families. Social work Staff will require access to a quiet space on each unit.

4.2.3.3(9) Dietitian Services

4.2.3.3(9)(a) Registered Dietitians will provide services to Patients. Dietitians will require access to a shared work area on each unit.

4.2.3.3(10) Aboriginal Health Support

4.2.3.3(10)(a) The Medical-Surgical Inpatient Unit will support delivery of services in an environment of cultural competency. Traditional practices, ceremonies and special dietary needs will be accommodated as much as possible. While admitted to CMH, Patients and their families will have access to an Aboriginal Patient Navigator (APN) who will help develop understandings about CMH care system and specific treatments. The APN will also play a key role in discharge planning, ensuring continuity of care beyond hospitalization.

4.2.3.4 Non-Clinical Support Services

4.2.3.4(1) Information Management

4.2.3.4(1)(a) Patient rooms and Patient care stations will be planned to function with an electronic ‘paperless’ Patient information system as well as a conventional ‘paper’ chart system.

4.2.3.4(1)(b) Patient information systems will be automated with access to information by means of computer terminals located at all Staff work areas distributed throughout each IPU. In the future, computer charting will occur at the Patient bedside, likely through the use of hand-held wireless devices and/or workstation on wheels. Ordering and scheduling of tests, procedures, and medications will be managed through the same terminals in the Staff work areas or through the hand-held devices and/or workstation on wheels.

4.2.3.4(2) Material Services

4.2.3.4(2)(a) Fast-turnover supplies, including general medical/surgical and sterile supplies, will be transported by materials services Staff to the IPUs and to each 12-bed clinical area using a scheduled top-up cart system.

4.2.3.4(2)(b) Mail and other small materials and STAT medications will be circulated manually or by pneumatic tube. These materials will be received and distributed from the Care Team Station within each IPU.

4.2.3.4(2)(c) Patient portering services may be provided in the future.

4.2.3.4(3) Clean Supply & Linen Services

4.2.3.4(3)(a) Clean linen will be transported to each 12-bed clinical area using a scheduled exchange cart system. Clean linen on linen carts will be decentralized in linen alcoves or other designated areas within each unit.

4.2.3.4(3)(b) Medical/surgical supplies will be supplied on a top-up basis and held in the Utility Room-Clean. Top-up carts or wall-mounted bin systems will be available in the Utility Room-Clean in each 12-bed clinical area.

4.2.3.4(4) Soiled Holding

4.2.3.4(4)(a) Soiled linen will be collected in hampers in each treatment area and then consolidated in carts in the Holding Room-Soiled. The Holding Room-Soiled will be located in close proximity to the Patient Transfer/Staff Service Elevator. Each Holding Room-Soiled will accommodate garbage, recycling bins and biohazard materials generated in the Component for regular pickup by housekeeping Staff.

4.2.3.4(5) Soiled Utility

4.2.3.4(5)(a) Soiled instruments will be soaked or sprayed by ED Staff and held in the Utility Room-Soiled before transport to the MDR area. Soiled commode chairs, stretchers and other equipment will be held in the Utility Room-Soiled for preliminary cleaning before transport to the Cart Washing Room.

4.2.3.4(5)(b) Every Utility Room-Soiled will be serviced by CMH Staff on a regular basis.

4.2.3.4(6) Equipment Management

4.2.3.4(6)(a) Alcoves will be located along corridors to prevent clutter and are required for the medication carts, isolation carts, crash carts, wheelchairs, stretchers, equipment, etc., which are numerous and frequently used.

4.2.3.4(6)(b) Equipment management will be centralized in material services.

4.2.3.4(6)(c) Decentralized equipment storage will only be provided on the units for those items used relatively frequently. All other equipment used less frequently will be stored centrally in material services. Material services will manage transfers of equipment to and from the IPUs as required.

4.2.3.4(7) Housekeeping

4.2.3.4(7)(a) Housekeeping Staff will provide services to the unit on a continuing basis. Garbage and soiled linen will be collected, bagged, and coded as necessary by Housekeeping Staff and held in bins and carts in the Holding Room-Soiled for pick-up.

4.2.3.4(7)(b) Housekeeping will require a Housekeeping Room for each 12-bed clinical area. These will be placed strategically within each IPU and will be access controlled. Housekeeping Staff will provide general cleaning services on a regular basis. A week's supply of housekeeping products will be stored in each closet plus space for a housekeeping cart, floor sink, floor cleaning machine, ladder, etc.

4.2.3.4(7)(c) Recycling bins and a confidential paper recycling bin will be located in the Business Machine Workroom collocated with each CTS. Housekeeping Staff will collect from all recycling stations and the confidential paper contractor will pick up paper from all collection containers throughout the Facility on a regular basis.

4.2.3.5 Hours Of Operation

4.2.3.5(1) Patient care will be provided continuously 24 hours a day, 7 days a week.

4.2.4 Design Criteria

4.2.4.1 General Requirements

4.2.4.1(1) The IPUs will be organized to provide for current medical/surgical Patient groupings as well as for maximum future flexibility. The organization, implied in the space requirements list, indicates certain Patient care and Staff support facilities central to each grouping of 12 beds and 24 beds, as well as a shared support area for up to 36 beds.

4.2.4.1(2) Visibility/Patient Sub Groups

4.2.4.1(2)(a) The design of the IPUs will provide the following:

(a).1 A compactness of IPU layout, which enables visual supervision of and Direct Access to Patient rooms from the Staff work areas;

(a).2 Maximum visibility of Staff work areas from the individual Patient beds in order to reassure Patients that nursing care is close at hand;

(a).3 Minimized nurse "in-flight time" and maximized nurse-Patient visibility by locating frequently utilized Staff work areas and support spaces close to the Patient bed spaces; and

(a).4 Cross-corridor connections at regular intervals for Staff to access either side of the unit.

Locate support spaces such as utility rooms directly off the cross-corridors for Convenient Access for either direction.

4.2.4.1(3) Zones of Activity

4.2.4.1(3)(a) Only essential Patient care support areas will be maintained within the 12-bed clinical area. All other support areas will be centralized for sharing between two or more clinical areas (“Shared Support Areas”).

4.2.4.1(3)(b) Within each IPU, spaces will be located close to Patient rooms in the following order of priority: Care Team Station(s), medication dispensing area, utility rooms, Staff support area, dictation spaces, and office areas.

4.2.4.1(4) Universal Room

4.2.4.1(4)(a) The design of Patient rooms will provide the following:

(a).1 Fully accessible ensuite Patient washrooms with dual-sided access to the toilet for Staff to assist the Patient;

(a).2 Observation of the Patient by Staff members from the corridor by means of observation alcoves having glazing with integral blinds. Refer to Appendix 1C [Minimum Room Requirements] for door types and glazing type requirements;

(a).3 Direct observation of the head of the Patient bed from each Alcove-Observation;

(a).4 Within each Patient room, a designated family/visitor zone near the exterior wall and a Staff work zone near the entry door;

(a).5 A handrail from the Patient bedside to the outboard ensuite washroom and a direct Line of Sight into the washroom to the toilet from the Patient’s location in bed;

(a).6 A whiteboard installed on the wall across from the Patient’s bed to ensure visibility by the Patient;

(a).7 A hand hygiene sink located immediately next to the entry door to the room to facilitate Staff, Patient and visitor hand hygiene upon their entering or exiting the room;

(a).8 Bedside table for the Patient’s personal items on the headwall; and a flip down shelf in family zone sized at approximately 300 mm x 600 mm located 600 mm AFF; and

(a).9 Maximized views to the exterior and access to Direct Natural Light. Patients will have a view to the exterior while lying in bed.

4.2.4.1(5) Patient Environment and Activities

4.2.4.1(5)(a) Private Patient rooms respect Patient privacy, dignity, confidentiality and provide a quiet care environment. Shared Patient rooms will accommodate hospitalized family members or those Patients who would benefit from improved socialization to prevent feelings of isolation. Provide Patients with exterior views from their beds. Place window sill heights to facilitate Patient viewing of ground level activity and/or sights.

4.2.4.1(5)(b) Include attractive options to encourage Patient activation and promote Patient independence wherever possible. Provide a seating area near the window for Patient and visitors/family.

4.2.4.2 Special Requirements

4.2.4.2(1) Airborne Isolation Capability

4.2.4.2(1)(a) On each IPU, each Patient Room-Private-Bariatric-AIR will have negative pressure ventilation for Patients with infectious disease. Each AIR Patient room will require an enclosed anteroom containing a storage area for supplies. Hand hygiene facilities will also be provided in each AIR Patient room and attendant anteroom. AIRs will also have a door to allow this Patient room to be accessed from the corridor when the room is not required for airborne isolation purposes.

4.2.4.2(1)(b) On the 12-Bed Standalone IPU, the Patient Room-Private-Bariatric-AIR will be located in close proximity to the Maternity Services Unit, in the event that a nursery Patient or Patients (infant or mother-infant dyad) require(s) airborne isolation.

4.2.4.2(1)(c) Care Team Stations will be provided with a glass enclosure, including a variety of sliding panels, offset panels and openings to allow Staff to hear activity in the surrounding corridors and rooms and speak with persons outside the Care Team Stations while still having the ability to achieve a degree of acoustic privacy when needed.

4.2.4.2(2) Outbreak Control Zone

4.2.4.2(2)(a) Specific clinical areas on the 24-bed unit will have the capability to become an Outbreak Control Zone (OCZ): an isolated area enabled for lockdown to prevent the spread of infection.

4.2.4.2(2)(b) In the event of an airborne infection pandemic outbreak, a zone containing one 12-bed clinical area will have negative pressurization capability to isolate this clinical area from the surrounding areas. This 12-bed clinical area OCZ will include the following:

(b).1 Support spaces including medication and utility rooms;

(b).2 Bounding construction that allows the mechanical ventilation systems to achieve negative pressurization within the 12-bed OCZ relative to the adjacent floor areas;

(b).3 Corridor space that can be converted into anterooms, contained within two sets of powered double doors and equipped with a hand hygiene sink and PPE dispensers, adjacent to each of the entry/exit points to the OCZ, as follows:

(b).3.1 Each anteroom will be large enough to accommodate a stretcher when both sets of doors are closed;

(b).3.2 Card readers will be located on the entry side of the first set of doors and on the exit side of the second set of doors at sufficient distance from the doors to allow them to open before a stretcher is present;

(b).3.3 Each set of power doors will activate sequenced automatic openers when an access control card is swiped;

(b).3.4 The doors will be sequenced such that only one set of doors will be open at a time; and

(b).3.5 Under normal operations, the doors will remain open to allow free movement through the corridor. They will be closed when the OCZ is in use; and

(b).4 Configuration of the 24-Bed IPU such that none of the doors to the Care Team Station-Large lead directly into the 12-bed OCZ; Staff will only be able to enter the OCZ from the anterooms when it is in use.

4.2.4.2(2)(c) In the event that both of the 12-bed clinical areas on the 24-Bed IPU need to be contained in an outbreak situation, the entire 24-bed unit will have negative pressurization capability to isolate the unit from the rest of the Facility, including the Standalone 12-Bed IPU and the Existing Hospital. This 24-Bed IPU OCZ will include the following:

(c).1 All areas of the 24-Bed IPU, including the clinical areas, the 12-bed and 24-bed support areas and, in addition, the rooms in the 36-bed support area having adjacency requirements to be located within the 24-bed unit;

(c).2 Bounding construction that allows the mechanical ventilation systems to achieve negative pressurization within the OCZ relative to the adjacent floor areas;

(c).3 Configuration of the corridor space outside the Public Passenger Elevators on the 24-Bed IPU floor level such that the Waiting Room-Large can be used as an anteroom for donning and doffing before entering or leaving the unit, complete with a space for PPE dispensers, a hand hygiene sink and doors for entering and exiting the Waiting Room-Large that provides the same functions as the anteroom(s) described in paragraph (c).4 below;

(c).4 As necessary to maintain separation between the 24-Bed IPU and the rest of the Facility and the Existing Hospital, corridor space that can be converted into one or more anterooms, contained within two sets of powered double doors and equipped with a hand hygiene sink and PPE dispensers, adjacent to each of the entry/exit points to the OCZ, as follows:

(c).4.1 Each anteroom will be large enough to accommodate a stretcher when both sets of doors are closed;

(c).4.2 Card readers will be located on the entry side of the first set of doors and on the exit side of the second set of doors at sufficient distance from the doors to allow them to open before a stretcher is present;

(c).4.3 Each set of power doors will activate sequenced automatic openers when an access control card is swiped;

(c).4.4 The doors will be sequenced such that only one set of doors will be open at a time; and

(c).4.5 Under normal operations, the doors will remain open to allow free movement through the corridor. They will be closed when the OCZ is in use; and

(c).5 Capability to restrict access to the floor level of the 24-Bed IPU through access control programming of the Public Passenger Elevators.

4.2.4.2(3) Visual Monitoring and Security

4.2.4.2(3)(a) Visitors who access the each IPU will be directed to the associated care team station. Monitoring of the public entrance to the unit from the care team station is required either through direct observation or IP video surveillance system with remote door release. Refer to Appendix 1C [Minimum Room Requirements] and Schedule 1 [Statement of Requirements].

4.2.4.2(3)(b) The care team station will be located centrally within each IPU, allowing observation of unit entry points and, as much as possible, Patient corridors.

4.2.4.2(3)(c) Staff assistance will be facilitated using nurse call, wireless Staff duress and wireless Staff communication system as described in Appendix 1C [Minimum Room Requirements].

4.2.4.2(3)(d) Design and configuration of the IPUs must avoid blind alcoves/corridors where Staff cannot be observed and observe from a distance.

4.2.4.2(3)(e) All rooms designated as “Staff only” and areas where Patient and family access is restricted must be access controlled.

4.2.4.2(3)(f) The Medical-Surgical Inpatient Unit will be serviced with a Patient wandering system to prevent any unauthorized egress of Patients.

4.2.4.2(3)(g) Nurses will be able to make visual checks on Patients in their rooms from Front of House corridors.

4.2.4.2(3)(h) Design of Staff workstations, especially those used by Staff at night, will ensure maximum safety for Staff by means of glass walls for visibility and Staff emergency call system access.

4.2.4.2(4) Staff Privacy

4.2.4.2(4)(a) Nurses, physicians, therapists, etc. will require an area where they can privately discuss or document a Patient’s condition and information. As part of each interdisciplinary CTS, an acoustically private Workroom-Care Team Station will be provided for Staff conferencing and charting. For acoustic requirement refer to Appendix 1D [Acoustic and Noise Control Measures]. This area will be separated from the Care Team Station by a glazed partition wall so that Staff within the care team centre can observe Patients. This room could have sliding glass doors to the CTS to facilitate frequent access and observation between the two spaces.

4.2.4.2(4)(b) Configuration of each CTS will ensure interdisciplinary conversations are private and not overheard by Patients. Each CTS will be designed with all possible sound control measures so that activities in the CTS will not disturb sleeping Patients.

4.2.4.2(4)(c) Care Team Stations will be provided with a glass enclosure, including a variety of sliding panels, offset panels and openings to allow Staff to hear activity in the surrounding corridors and rooms and speak with persons in the surrounding corridors while still having the ability to achieve a degree of acoustic privacy when needed.

4.2.4.2(5) Patient Walking Loop

4.2.4.2(5)(a) A designated Patient walking loop will be required in each IPU, where possible, and, where present, meet the following requirements. This loop will have Wayfinding signage with room numbering clearly displayed. This loop will have floor and wall finishes designating its intent. Built-in corridor seating in an alcove will be provided along the path of the loop at two locations at opposite ends of the loop. A wall handrail will be provided at every available location along this loop. Floor colour and pattern changes and transitions into each 12-bed clinical area and the more public areas within the IPUs will assist Patient orientation and prevent confusion and wandering off the IPU and into stairwells and elevators. Patients, as required, will be monitored with a wandering system at all elevators and stairwells to prevent elopement.

4.2.4.2(6) Elderly Friendly Design

4.2.4.2(6)(a) Incorporating features for Patients with compromised mobility and/or cognitive functioning. These features will include, but are not limited to:

(a).1 Lights placed off centre relative to circulation corridors;

(a).2 Patient wandering system protection incorporated into each access/exit point specified for the IPU;

(a).3 Elimination of blind corners where the cognitively impaired can become confused and distressed;

(a).4 Extensive use of visual cues that enable easy identification of different areas on each 12-bed clinical area;

(a).5 Features that minimize visual identification of exit doorways, encouraging Patients to remain within their designated IPU;

(a).6 Handrails on both sides of the corridors to facilitate mobility;

(a).7 Use of colour on floors and walls to support the flow of wandering loop and to differentiate vertical and horizontal surfaces;

(a).8 Signage and Wayfinding to facilitate Patient flow on the unit; and

(a).9 Rest areas and destination rest spaces near windows for Patients.

4.2.4.2(7) Public Family/Space

4.2.4.2(7)(a) Reception

(a).1 The reception function will be located at each Care Team Station. The Workstation-Unit Clerk is located here with direct overview of the IPU entrance. Initial point of contact when entering will be the unit clerk, either in person or through the use of technology. During evenings and nights, access onto the unit will be restricted, and point of contact through technology will be nursing Staff.

4.2.4.2(7)(b) Public Washrooms/Hand Washing

(b).1 Public washrooms will be located on each IPU floor. Hand hygiene facilities will be provided in each Patient room and in alcoves distributed throughout the corridors.

(b).2 All public washroom doors will have hardware allowing easy and keyless access for Staff in an emergency.

4.2.4.2(7)(c) Multipurpose Room-Family

(c).1 A family multipurpose room will be provided. The room will have a kitchenette and comfortable seating. Two Patient rooms designated for palliative care will be located on either side of this room. Adjoining doors between the Multipurpose Room-Family and these adjacent Patient rooms will enable families of Patients in those rooms to gather in close proximity to their hospitalized family member.

4.2.4.3 Patient Care Area

4.2.4.3(1) Patient Bed Area

4.2.4.3(1)(a) Each 12-bed clinical area will comprise eight (8) private patient rooms. Each clinical area will also include two (2) rooms sized for bariatric Patients, one (1) of which will be an AIR, and two (2) shared Patient rooms. Patient rooms will have access to Direct Natural Light and views. Patient rooms will each have an ensuite washroom for Patient use, as well as a hand hygiene sink for Staff and visitors. Hand hygiene sinks will be conveniently located at the room entry to facilitate persons entering the room taking infection prevention and control measures.

4.2.4.3(1)(b) Multimedia technology is required at the Patient bedside.

4.2.4.3(1)(c) All Patient rooms will include a ceiling-mounted Patient lift.

4.2.4.3(1)(d) Patient Service Modules (Headwalls)

(d).1 Patient service modules will be located in and distributed separately from service

walls/modules. This allows physicians and Staff free access to the Patient on their right-hand side as well as minimal obstruction at the Patient's head so that lifesaving or emergency procedures can be carried out as easily as possible. The location of the Patient service modules will be reviewed during design. The Patient service modules will contain medical gas services.

(d).2 The service modules will also contain electrical outlets, emergency power, data, monitoring capability, telephone, nurse call, and code alarms. There service modules will be configured to allow computer stations to be installed at each Patient bedside.

(d).3 Not used.

(d).4 Refer to Appendix 1C [Minimum Room Requirements] for service module requirements.

4.2.4.3(2) Interdisciplinary Care Team Station

4.2.4.3(2)(a) In each IPU, a central CTS is required for the unit clerk, nursing Staff, and other healthcare providers and will include electronic Patient monitoring display boards, computers accommodating PACS, telephones, storage area for Patient charts, charting/documentation area, dictation equipment and telemetry monitoring equipment.

4.2.4.3(2)(b) Both the Care Team Station-Large on the 24-Bed IPU and the Care Team Station-Small for the 12-Bed Standalone IPU will be equipped with electronic patient information tracking boards for displaying Patient information, appointments, care team details and other relevant records. These tracking boards will be integrated into the design of the CTS such that they are readily seen by Staff but out of view of Patients and the public.

4.2.4.3(2)(c) A pneumatic tube station will be located within the CTS in close proximity to the Workstation-Unit Clerk.

4.2.4.3(2)(d) The CTS and Workstation-Unit Clerk will be designed to promote an inviting, non-institutional, and Patient- and visitor-friendly reception area. As this area is the first point of contact for visitors, it must prevent uncontrolled access to the IPU but still appear inviting for Patients and visitors to approach.

4.2.4.3(3) Rehabilitation

4.2.4.3(3)(a) Rehabilitation services will be provided for Patients on the Medical-Surgical Inpatient Unit when required. A dedicated Rehabilitation Room-Satellite will be provided to serve the three 12-bed clinical areas. The space will include parallel bars and other rehabilitation equipment.

Patients benefit from time outside their room, and the rehabilitation space supports this concept. A storage room for frequently used rehabilitation equipment will also be provided. Other rehabilitation equipment will be distributed in decentralized storage.

4.2.4.4 Staff Support Areas

4.2.4.4(1) Staff Spaces

4.2.4.4(1)(a) Staff washrooms are required on the unit. The Staff locker area will contain lockers, coat hooks, duty shoe storage and a designated area for wet winter boots. One Staff lounge will be provided for the 24-Bed IPU on the Medical-Surgical Inpatient Unit. A second Staff lounge will be shared between the 12-Bed Standalone IPU and the Maternity Services Unit.

4.2.4.4(2) Medication Room

4.2.4.4(2)(a) Accreditation requires all medications to be locked and stored away from public areas. In addition, medication preparation must be carried out in a room free from distractions. Each 12-bed clinical area requires a Medication Room for the preparation of medications.

4.2.4.4(2)(b) Medication rooms will be located in close proximity to the Care Team Station and have suitable glazing to achieve Lines of Sight, including a Line of Sight to and from the CTS for the safety and security of Staff.

4.2.4.5 Other Support Services

4.2.4.5(1) Medical-Surgical Supplies (including Linen)

4.2.4.5(1)(a) Space at each bedside will be required for daily Patient supplies. Medical/surgical supplies will be provided on a top-up basis and stored in the Utility Room-Clean. Linen carts will be decentralized in alcoves.

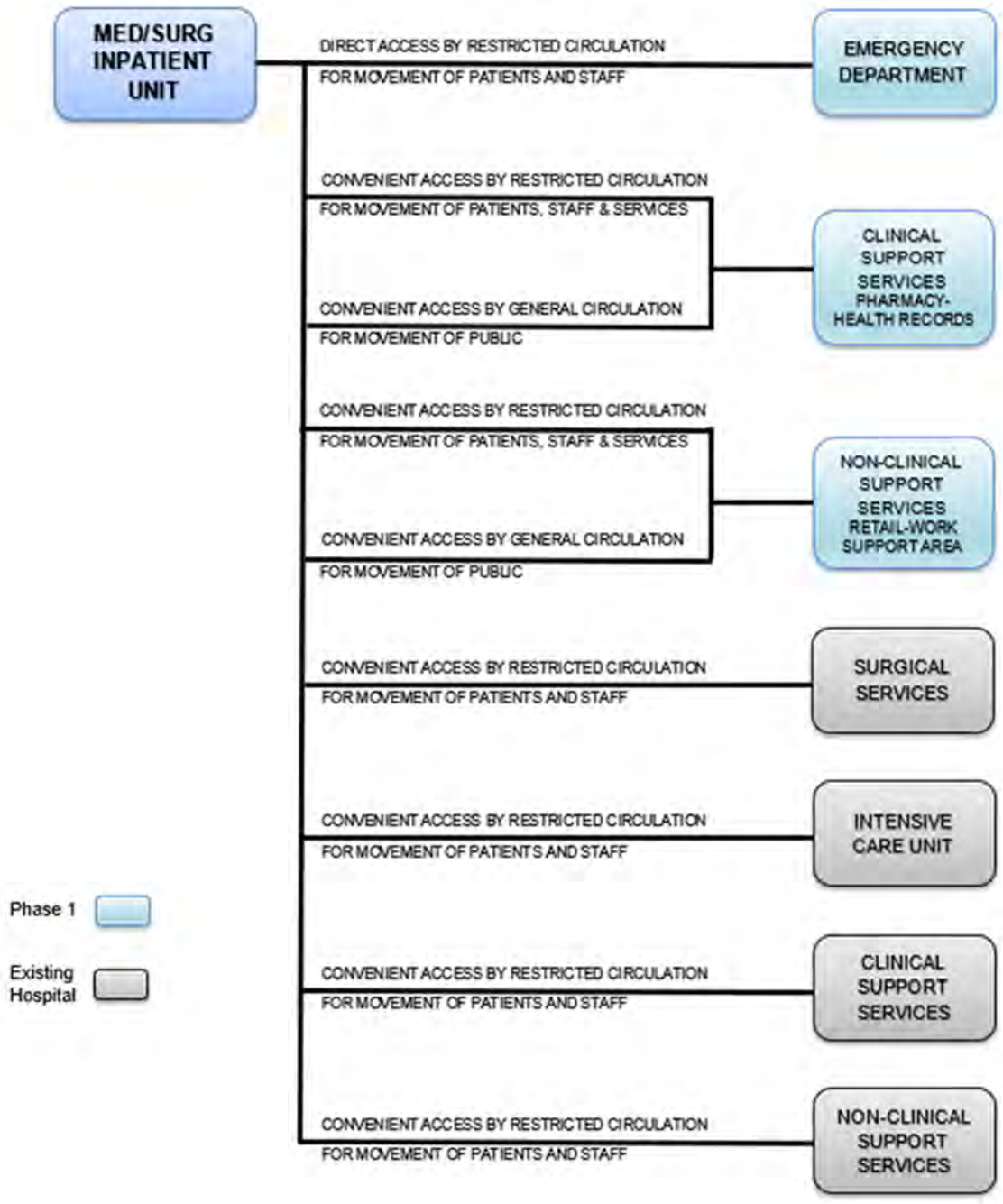
4.2.4.5(2) Equipment Storage

4.2.4.5(2)(a) Equipment storage is required for equipment that must be immediately accessible and stored on the IPUs. Electrical outlets will be required to plug equipment in for recharging while it is being stored. Outlets will be located to meet ergonomic requirements.

4.2.4.5(2)(b) Equipment storage alcoves are required for equipment such as stretchers, wheelchairs, procedure, isolation, medication, and defibrillator carts, traction equipment, wheelchairs, IV poles with infusion pumps, mobile vital sign monitors, and bladder scanners.

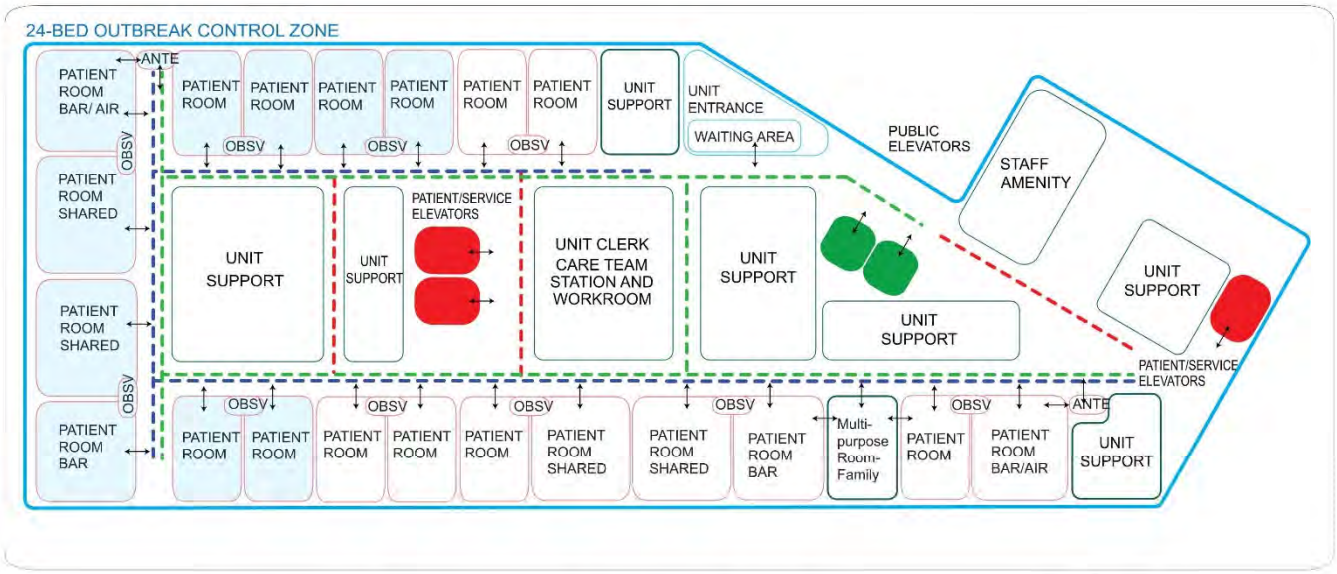
4.2.5 External Relationships

4.2.5.1 The following diagram is a summary of other Components at CMH that have a functional relationship with the Medical-Surgical Inpatient Unit.



4.2.6 Component Diagram

4.2.6.1 The spatial organization of this Component will be generally as shown in the diagram below. The diagram illustrates conceptual relationships and will not be treated as a floor plan.



MEDICAL/SURGICAL INPATIENT UNIT
FUNCTIONAL COMPONENT DIAGRAM
(TWO 12-BED PODS)

CIRCULATION
- PUBLIC / VISITOR
- PATIENT
- STAFF/SERVICE

ACCESS

OUTBREAK CONTROL 12-BED

OUTBREAK CONTROL 24-BED

4.2.7 Schedule of Accommodation

4.2.7.1 The following provides the spaces, numbers of spaces, Net Areas, and space contents as minimum requirements. Note the indented spaces indicate the space is internally connected to the space listed above.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B1 - UNIT ENTRANCE AREA					
B1.1	Waiting Room-Large	1	16.0	16.0	Seating for up to 10 with a variety of seating configurations. Viewing area for wall-mounted television and digital messaging board. Located with Convenient Access to Patient Room-Private-Bariatric for family overflow and proximity.
B1.1.1	Alcove-Respiratory Station	1	1.5	1.5	Respiratory Station with standard STOP signage. Stations shall have hand sanitizer dispensers and masks and tissues mounted for Convenient Access by visitors. Collocated with Medical-Surgical Inpatient Unit entrance.
B1.1.2	Alcove-Hand Hygiene Sink	1	1.5	1.5	Includes hand hygiene sink, Infection Protection and Control signage.
B1.2	Washroom-Public	2	4.6	9.2	2-piece (sink, toilet), barrier-free accessibility. Adjacent to Waiting Room.
TOTAL NSM: Unit Entrance Area				**28.2**	
B2 - 12-BED CLINICAL AREA					
B2.1	Patient Room-Private	6	21.4	128.4	1 Patient bed, wardrobe, whiteboard, hand hygiene sink at entrance, privacy curtain at door. Medical headwall with gases, nurse call. Family zone for participation/visiting. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Storage box for Patient's own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B2.1.1	Washroom/Shower-Ensuite	6	5.6	33.6	3-piece (toilet, sink, shower), barrier-free accessibility. Shelf for personal items. Nurse call system. Floor drain. Staff assist/nurse call system.
B2.2	Patient Room-Shared	2	35.0	70.0	2 patient beds. Whiteboard. Include two X-Y gantry ceiling lifts. Lifts will not extend into WC, patients will be transferred to a commode.
B2.2.1	Washroom/Shower-Ensuite-Shared	2	5.6	11.2	3-piece (toilet, sink, shower), barrier-free accessibility. Shelf for personal items. Nurse call system. Floor drain. Staff assist/nurse call system.
B2.3	Patient Room-Private-Bariatric	1	32.0	32.0	1 Patient bed, wardrobe, whiteboard, hand hygiene sink at entrance, privacy curtain at door. Medical headwall with gases at two positions, nurse call. Family zone for participation/visiting. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Storage box for Patient's own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff.
B2.3.1	Washroom/Shower-Ensuite-Bariatric	1	7.5	7.5	3-piece (toilet, sink, shower), toilet floor-mounted for bariatric, barrier-free accessibility. Shelf for personal items. Staff assist/nurse call system. Floor drain.
B2.4	Patient Room-Private-Bariatric-AIR	1	32.0	32.0	1 Patient bed, wardrobe, whiteboard, hand hygiene sink at entrance, privacy curtain at door. Medical headwall with gases at two positions, nurse call. Family zone for participation/visiting. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Storage box for Patient's own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff. Door for Direct Access to the corridor when the room is not in airborne isolation mode.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B2.4.1	Anteroom-AIR	1	7.5	7.5	Storage of supplies, gowning, and hand hygiene sink. Voice intercom into Patient Room-Private-Bariatric-AIR.
B2.4.2	Washroom/Shower-Ensuite-Bariatric-AIR	1	7.5	7.5	3-piece (toilet, sink, shower), toilet floor-mounted for bariatric, barrier-free accessibility. Shelf for personal items. Staff assist/nurse call system. Floor drain. Enclosed Patient waste disposal unit.
B2.5	Alcove-Observation	5	1.4	7.0	For charting, patient observation. Shared between 2 Patient rooms. Include power and data. Nurse call.
TOTAL NSM: One 12-Bed Clinical Area				336.7	
TOTAL NSM: Two 12-Bed Clinical Areas		336.7	2.0	**673.4**	

B3 - 12-BED SUPPORT AREA					
Staff Support Area					
B3.1	Workstation-Touchdown	2	4.6	9.2	Enclosed workstation for acoustic privacy, power, data; used for dictation, etc. Distributed on unit: 2 per 12-bed clinical area.
B3.2	Washroom-Staff	1	4.6	4.6	2-piece (sink, toilet). Barrier-free accessibility.
Unit Support Area					
B3.3	Storage Room-Equipment	1	16.0	16.0	Incl. one (1) data port and recharging outlets along one wall at 1m O/C. Hooks for equipment storage. Automatic door opener with hands-free operation.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B3.4	Medication Room	1	16.0	16.0	Millwork, standing-height counter, workstations, telephone, glucometers, hand hygiene sink, small counter-mounted refrigerator monitored by BMS, three-cell medication management system, recessed lockable cabinet and wall-mounted storage (adjustable wire shelving), glazing for visibility. Automatic opener. Controlled access, entry from Front of House corridor. Located in close proximity to and with Line of Sight to the Care Team Station. Directly adjacent to the Utility Room-Clean. Line of Sight to CTS.
B3.5	Utility Room-Clean	1	12.0	12.0	Wall-mounted wire bin storage system for top up (adjustable wire shelving). Accommodation for wire cart with adjustable shelves. Entry from Staff-Patient corridor, collocated with Medication Room. Controlled access.
B3.6	Utility Room-Soiled	1	13.5	13.5	Hand hygiene sink at entry. Stainless steel counter with marine edge and utility sink, upper cabinets. Lower cabinets with wire bin pull out shelves except below utility sink. Access to Personal Protective Equipment for unit-based decontamination and cleaning. Enclosed Patient waste disposal unit, floor drain. Keyed entry, door closer. Accommodates soiled equipment for preliminary cleaning (wheelchairs, IV poles). Alcove to accommodate storage rack with Vernacare supplies outside of sink splash zone. Specimen fridge if no pneumatic tube system is added.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B3.7	Housekeeping Room	1	12.0	12.0	Hand hygiene sink at entry. Wall-mounted eyewash station. Wall-mounted shelving with enclosed wall-mounted cabinet for storage of clean supplies. Janitorial sink. Pre-mixed automatic systems for dispensing chemical supplies. Accommodates housekeeping carts, ladders, floor cleaning machine, and cleaning supplies. Located in close proximity to service elevators. Controlled access. Floor drain.
B3.8	Alcove-PPE (Outbreak Control)	1	1.5	1.5	Hygiene sink and PPE storage. To be located within an outbreak control anteroom consisting of a double set of powered doors and access-control card readers on both sides of doors. Situated in front-of-house corridors to allow half of the unit to be isolated from the surrounding areas in the event of an airborne infection pandemic outbreak. To accommodate a Patient on a stretcher and medical team when both sets of doors are closed, with sufficient clearance for each set of doors to open. When the Outbreak Control Zone is not in use, doors may remain open.
B3.9	Alcove-Linen Cart	3	1.5	4.5	Includes data ports and electrical outlets.
B3.10	Alcove-Blanket Warmer	1	1.5	1.5	Includes data ports and electrical outlets.
B3.11	Alcove-Equipment	3	2.0	6.0	Includes data ports and electrical outlets.
B3.12	Alcove-Crash Cart	1	1.5	1.5	Includes data ports and electrical outlets. Centrally located to support each 12-bed clinical area.
B3.13	Alcove-Food Cart	2	1.5	3.0	For storage of food carts waiting to be returned to the central kitchen.
B3.14	Alcove-Hand Hygiene Sink	1	1.5	1.5	Hand hygiene sink, located in corridor and distributed in relation to Alcove-PPE (Outbreak Control).
Patient/Family Support Area					

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B3.15	Alcove-Nourishment	1	4.5	4.5	Small room with walls on three sides. Millwork counter with double sink and hot water tap, upper storage cabinets, lower storage cabinets and enclosed drawers, full-size refrigerator and microwave oven. Small kitchen appliances, individual ice dispenser with filtered water. Centrally located for families and visitors.
TOTAL NSM: One 12-Bed Support Area				107.3	
TOTAL NSM: Two 12-Bed Support Areas		107.3	2.0	**214.6**	

B4 - 24-BED SUPPORT AREA					
Staff Support Area					
B4.1	Workstation-Unit Clerk	1	9.2	9.2	To be collocated with Care Team Station. To accommodate two Staff members.
B4.2	Care Team Station-Large	1	28.0	28.0	Central station with 8 workstations (4 nurses, 2 physicians, learners). Purse lockers.
B4.2.1	Alcove-Pneumatic Tube Station	1	1.5	1.5	Located in Care Team Station in close proximity toWorkstation-Unit Clerk.
B4.2.2	Workroom-Care Team	1	20.0	20.0	Quiet, confidential work area. Site for collaborative meetings/teaching. Acoustically separated from Care Team Station but directly adjacent. Accommodates charging for small electronic devices, including cell phones and Vocera. Alcove for charging mobile workstation batteries. Includes 5 workstations; also for use by Allied Health Staff and UBC learners.
B4.2.3	Workstation-Learner	2	2.5	5.0	Incl. workstation, power, data, cabinet for personal items. Priority access for UBC learners.
B4.3	Workroom-Business Machine	1	10.0	10.0	Accommodates business equipment, paper supplies, and large confidential shredding bin; Millwork to be designed for easy access to forms, paper, toner and other supplies.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
					Adjacent to Workroom-Care Team.
B4.4	Alcove-Hand Hygiene Sink	1	1.5	1.5	Located within 6 m of Care Team Station entrances. Includes hand hygiene sink, Personal Protective Equipment, Infection Protection and Control signage.
B4.5	Office-Private	1	11.0	11.0	Workstation, desk and small meeting area. Private office for Manager.
B4.6	Office-Shared	1	14.0	14.0	2 workstations and 2 desks. Shared office for Transition Liaison Nurses.
B4.7	Meeting Room-Large	1	30.0	30.0	1 workstation. Meeting room for multidisciplinary teams. To accommodate 10-12 persons. Shared, bookable meeting room for CMH Staff.
Unit Support Area					
B4.8	Office-Shared, ET	1	27.0	27.0	Shared office for PCC and Nurse Educator and space for education/ training.
B4.9	Holding Room-Soiled	1	9.0	9.0	Accommodates staged storage for bins of garbage, soiled linen, biohazardous waste, recyclables etc. Located in close proximity to service elevators. Controlled access. Located near elevators.
Patient/Family Support Area					
B4.10	Workroom-Pneumatic Tube Station	1	4.6	4.6	Enclosed, acoustically isolated room with access control. Millwork, standing-height counter. Locate centrally within the 12-bed Outbreak Control Zone of the 24-bed IPU.
B4.11	Alcove-Wheelchair/Stretcher	1	8.0	8.0	Accommodates up to 2 stretchers and 4 wheelchairs.
TOTAL NSM: 24-Bed Support Area				**178.8**	

B5 - STANDALONE 12-BED CLINICAL AREA					
B5.1	Patient Room-Private	6	21.4	128.4	1 Patient bed, wardrobe, whiteboard, hand hygiene sink at entrance, privacy curtain at door. Medical headwall with gases, nurse call. Family zone for participation/visiting. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Storage box for Patient's

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
					own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff.
B5.1.1	Washroom/Shower-Ensuite	6	5.6	33.6	3-piece (toilet, sink, shower), barrier-free accessibility. Shelf for personal items. Nurse call system. Floor drain. Staff assist/nurse call system.
B5.2	Patient Room-Shared	2	35.0	70.0	2 Patient beds. Include two X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode.
B5.2.1	Washroom/Shower-Ensuite-Shared	2	5.6	11.2	3-piece (toilet, sink, shower), barrier-free accessibility. Shelf for personal items. Nurse call system. Floor drain. Staff assist/nurse call system.
B5.3	Patient Room-Private-Bariatric	1	32.0	32.0	1 Patient bed, wardrobe, whiteboard, hand hygiene sink at entrance, privacy curtain at door. Medical headwall with gases at two positions, nurse call. Family zone for participation/visiting. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Storage box for Patient's own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff.
B5.3.1	Washroom/Shower-Ensuite-Bariatric	1	7.5	7.5	3-piece (toilet, sink, shower), toilet floor-mounted for bariatric, barrier-free accessibility. Shelf for personal items. Staff assist/nurse call system. Floor drain.
B5.4	Patient Room-Private-Bariatric-AIR	1	32.0	32.0	1 Patient bed, wardrobe, whiteboard, hand hygiene sink at entrance, privacy curtain at door. Medical headwall with gases, nurse call. Family zone for participation/visiting. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Storage box for Patient's own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff.
B5.4.1	Anteroom-AIR	1	7.5	7.5	Storage of supplies, gowning, and hand hygiene sink. Voice intercom into Patient room.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B5.4.2	Washroom/Shower-Ensuite-Bariatric-AIR	1	7.5	7.5	3-piece (toilet, sink, shower), toilet floor-mounted for bariatric, barrier-free accessibility. Shelf for personal items. Staff assist/nurse call system. Floor drain. Enclosed Patient waste disposal unit.
B5.5	Alcove-Observation	5	1.4	7.0	For charting, Patient observation. Shared between 2 rooms.
TOTAL NSM: Standalone 12-Bed Clinical Area				**336.7**	

B6 - STANDALONE 12-BED SUPPORT AREA					
Staff Support Area					
B6.1	Workstation-Unit Clerk	1	9.2	9.2	Collocated with Care Team Station. To accommodate two Staff.
B6.2	Care Team Station-Small	1	17.5	17.5	Central station with up to 5 workstations.
B6.2.1	Not Used	0	0.0	0.0	
B6.2.2	Workroom-Care Team-Small	1	13.0	13.0	Quiet, confidential work area. Site for collaborative meetings/teaching. Acoustically separated from Care Team Station but directly adjacent. Accommodates charging for small electronic devices, including cell phones and Vocera. Alcove for charging mobile workstation batteries. Includes 3 workstations with PACS and 16 purse lockers. Also for use by UBC learners and Allied Health Staff.
B6.3	Alcove-Hand Hygiene Sink	1	1.5	1.5	Located within 6 m of Care Team Station entrances. Includes hand hygiene sink, Personal Protective Equipment, Infection Protection and Control signage.
B6.4	Office-Shared	1	14.0	14.0	2 workstations and 2 desks. Shared office for PCC and Nurse Educator.
B6.5	Workstation-Touchdown	2	4.6	9.2	Enclosed workstation for acoustic privacy, power, data; used for dictation, etc.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
					Distributed on unit: 2 per 12-bed clinical area.
B6.6	Washroom-Staff	1	4.6	4.6	2-piece (sink, toilet). Barrier-free accessibility. Distributed on opposite side of unit from Washroom/Shower-Staff located adjacent to Lounge-Staff.
Unit Support Area					
B6.7	Storage Room-Equipment	1	16.0	16.0	Incl. one (1) data port and recharging outlets along one wall at 1m O/C. Hooks for equipment storage. Automatic door opener with hands-free operation.
B6.8	Medication Room	1	16.0	16.0	Millwork, standing-height counter, workstations, telephone, glucometers, hand hygiene sink, small counter-mounted refrigerator monitored by BMS, three-cell medication management system, recessed lockable cabinet and wall-mounted storage (adjustable wire shelving), glazing for visibility. Automatic opener. Controlled access, entry from Front of House corridor. Located in close proximity to and with Line of Sight to the Care Team Station. Directly adjacent to the Utility Room-Clean. Line of Sight to CTS.
B6.9	Utility Room-Clean	1	12.0	12.0	Wall-mounted wire bin storage system for top up (adjustable wire shelving). Accommodation for wire cart with adjustable shelves. Entry from Staff-Patient corridor, collocated with Medication Room. Controlled access.
B6.10	Utility Room-Soiled	1	13.5	13.5	Hand hygiene sink at entry. Stainless steel counter with marine edge and utility sink, upper cabinets. Lower cabinets with wire bin pull out shelves except below utility sink. Access to Personal Protective Equipment for unit-based decontamination and cleaning. Enclosed Patient waste disposal unit, floor drain. Keyed entry, door closer. Accommodates soiled equipment for preliminary cleaning

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
					(wheelchairs, IV poles). Alcove to accommodate storage rack for Vernacare supplies outside of sink splash zone. Fluid waste disposal system (TBC). Patient waste disposal unit (Vernacare). Specimen fridge if no pneumatic tube system is added.
B6.11	Holding Room-Soiled	1	9.0	9.0	Accommodates staged storage for bins of garbage, soiled linen, biohazardous waste, recyclables etc. Located in close proximity to service elevators. Controlled access. One located near the new elevators, one near the existing elevators.
B6.12	Housekeeping Room	1	12.0	12.0	Hand hygiene sink at entry. Wall-mounted eyewash station. Wall-mounted shelving with enclosed wall-mounted cabinet for storage of clean supplies. Janitorial sink. Pre-mixed automatic systems for dispensing chemical supplies. Accommodates housekeeping carts, ladders, floor cleaning machine, and cleaning supplies. Located in close proximity to service elevators. Controlled access. Floor drain.
B6.13	Alcove-Linen Cart	3	1.5	4.5	Includes data ports and electrical outlets.
B6.14	Alcove-Blanket Warmer	1	1.5	1.5	Includes data ports and electrical outlets.
B6.15	Alcove-Equipment	3	2.0	6.0	Includes data ports and electrical outlets.
B6.16	Alcove-Crash Cart	1	1.5	1.5	Includes data ports and electrical outlets. Centrally located to support each 12-bed clinical area.
B6.17	Alcove-Food Cart	2	1.5	3.0	For storage of food carts waiting to be returned to the central kitchen.
B6.18	Alcove-Hand Hygiene Sink	2	1.5	3.0	Hand hygiene sink, located in corridor and distributed within unit.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B6.19	Alcove-Wheelchair/Stretcher	1	8.0	8.0	Accommodates up to 2 stretchers and 4 wheelchairs. Located adjacent to existing service elevators.
Patient/Family Support Area					
B6.20	Alcove-Nourishment	1	4.5	4.5	Small room with walls on three sides. Millwork counter with double sink and hot water tap, upper storage cabinets lower storage cabinets and enclosed drawers, full-size refrigerator and microwave oven. Small kitchen appliances, individual ice dispenser with filtered water. Centrally located for families and visitors.
TOTAL NSM: Standalone 12-Bed Support Area				**179.5**	

B7 - 36-BED SUPPORT AREA					
Unit Support Area					
B7.1	Rehabilitation Room-Satellite	1	45.0	45.0	Rehab assessment area. Medical gas - oxygen. Millwork for equipment storage. Standing-height workstation, charting area and telephone, long wall-mounted mirror, floor mounted therapy pole, hand hygiene sink at entry. Ceiling lift. Controlled access.
B7.1.1	Storage Room-Equipment-Small	1	12.0	12.0	Rehab storage, located in close proximity to Rehab Room. Cabinets and hooks for storage of walkers, wheelchairs, crutches; rack for storage of weights. Controlled access. Automatic door opener with hands-free operation.
B7.2	Tub/Shower Room	1	16.0	16.0	Therapeutic, Parker-style tub with ceiling lift, shower, toilet, hand hygiene sink and lavatory sink with Millwork. Controlled access. Centrally located.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B7.3	Workroom-Biomed	1	10.0	10.0	Utility sink, long counter for equipment repair work including Millwork, storage drawers and cabinets, medical gases, two standing height workstations. Access control to this room. Power and data. To be located adjacent to Standalone 12-Bed Clinical Area and in close proximity to Maternity Services Unit.
B7.4	Alcove-CR Reader Workstation	1	3.5	3.5	Alcove for computed radiography reader and touchdown workstation. Located adjacent to Alcove-Portable X-Ray Machine.
B7.5	Alcove-Portable X-Ray Machine	1	5.0	5.0	Located within 24-bed Clinical Area. Alcove for portable X-ray machine. 115V power outlet. Located adjacent to Alcove-CR Reader Workstation.
Patient/Family Support Area					
B7.6	Multipurpose Room-Family	1	20.0	20.0	Room for families and Patients to gather. Kitchenette and comfortable seating for 10. Two (2) Patient Room-Private will be located adjacent to this room for palliative care. Access from corridor and from each adjacent Patient room. Connecting doors from Patient rooms will be lockable from both sides for privacy and security.
B7.7	Washroom-Patient-Bariatric	1	5.6	5.6	2-piece (toilet, sink) for Patients on unit. Grab bars, toilet floor-mounted for bariatric, barrier-free accessibility. Staff assist/nurse call system. Adjacent to and serving the Rehabilitation Room- Satellite.
TOTAL NSM: 36-Bed Support Area				**117.1**	

B8 - STAFF AMENITY AREA					
B8.1	Lounge-Staff	1	16.0	16.0	Seating area for 8 Staff. To be collocated with 28-Bed Unit. Kitchenette with countertop and cupboard storage, toaster, microwave, utility sink, full-size fridge, coffeemaker and dishwasher. Dining table and chairs. Soft comfortable seating and TV.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
B. MEDICAL-SURGICAL INPATIENT UNIT					
B8.1.1	Lockers-Staff	18	0.4	7.2	18 half-sized lockers and boot cubbies, coat hooks for jackets.
B8.2	Alcove-Hand Hygiene Sink	1	1.5	1.5	Located adjacent to Lounge-Staff. Includes hand hygiene sink, Infection Protection and Control signage.
B8.3	Alcove-Linen Cart	1	1.5	1.5	Includes data ports and electrical outlets.
B8.4	Washroom/Shower-Staff	2	5.6	11.2	3-piece (sink, toilet, shower). Barrier-free accessibility. Located adjacent to the Lounge-Staff.
TOTAL NSM: Staff Amenity Area				**37.4**	

Summary of Medical-Surgical Inpatient Unit

B1 - UNIT ENTRANCE AREA	28.2
B2 - 12-BED CLINICAL AREA	673.4
B3 - 12-BED SUPPORT AREA	214.6
B4 - 24-BED SUPPORT AREA	178.8
B5 - STANDALONE 12-BED CLINICAL AREA	336.7
B6 - STANDALONE 12-BED SUPPORT AREA	179.5
B7 - 36-BED SUPPORT AREA	117.1
B8 - STAFF AMENITY AREA	37.4
MEDICAL-SURGICAL INPATIENT UNIT PROGRAMMED SPACE NSM:	**1765.7**

4.3 C. MATERNITY SERVICES UNIT

4.3.1 Overview

4.3.1.1 Planning Parameters & Assumptions

4.3.1.1(1) The Maternity Services Unit supports women's health throughout all stages of pregnancy, ante-partum, delivery, and post-partum care. Facilities for the early care and treatment of infants are also included. The Component has been developed based on the following key assumptions:

4.3.1.1(1)(a) The Component will provide facilities for the labour, delivery, recovery and post-partum care of women. Pre-labour care of women assessed with complex or high-risk pregnancies will also be accommodated.

4.3.1.1(1)(b) A single room maternity care (SRMC) model will be adopted.

4.3.1.1(1)(c) Infant resuscitations will be supported within the SRMC room to include the family.

4.3.1.1(1)(d) A Level 1B Nursery will be provided.

4.3.1.1(1)(e) SRMC rooms and Women's Health rooms will be private and include a washroom with shower. SRMC rooms will also include a tub.

4.3.1.1(1)(f) The program will include provisions for bariatric Patients.

4.3.1.1(1)(g) The Maternity Services Unit can accommodate pediatric Patients.

4.3.1.1(1)(h) All Patient rooms will be equipped with ceiling-mounted Patient lifts.

4.3.1.1(1)(i) The importance of family involvement is recognized and will be supported in spaces intended for large families to gather and be present to participate in care planning and to provide care and support to their family member.

4.3.1.1(1)(j) Traditional practices, ceremonies and special dietary needs will be accommodated.

4.3.1.1(1)(k) The new facilities will provide for an enhanced focus on ergonomic design both for Patients and Staff.

4.3.1.1(1)(l) The Care Team Station and associated Workroom-Care Team-Small will encourage collaboration among interdisciplinary team members, including students.

4.3.1.1(1)(m) The Component will be equipped with an infant/child protection system.

4.3.1.1(1)(n) The Maternity Services Unit will provide support for breastfeeding concerns after hours, an outpatient home phototherapy program and an outpatient non-stress test clinic.

4.3.1.2 Service Trends

4.3.1.2(1) The following service directions and needs are expected to influence this Component:

4.3.1.2(1)(a) A shift from a traditional setting to the use of a single room for labour, delivery, recovery and the postpartum stay;

4.3.1.2(1)(b) The trend toward family centred care, where the family unit is kept together throughout the duration of hospitalization and care;

4.3.1.2(1)(c) Midwifery may be a component of care in the future for some mothers admitted to the Component; and

4.3.1.2(1)(d) There is an increasing focus on the integration of care along the care continuum (i.e., much tighter linkages between inpatient, outpatient and community care).

4.3.1.3 Multidisciplinary Context

4.3.1.3(1) A multidisciplinary integrated service delivery model will provide care in the Maternity Services Unit, and adequate space will be allocated in order for that model to function, e.g. in Patient rooms, care team member work areas and meeting spaces.

4.3.2 Functional Description

4.3.2.1 Scope Of Services

4.3.2.1(1) The Maternity Services Unit will provide facilities for the labour, delivery, recovery and post-partum care of women.

4.3.2.1(2) Antenatal care of women assessed with complex or high-risk pregnancies will also be accommodated.

4.3.2.1(3) The Nursery rooms will accommodate those infants requiring Level 1B Nursery Care as well as infants repatriated from Neonatal Intensive Care Units (NICUs) in BC.

4.3.2.1(4) This Component will also contain facilities for interdisciplinary Patient care, Staff support, and family/visitor support.

4.3.2.1(5) Care services in the Unit will include, among others:

4.3.2.1(5)(a) Facilitation of Patient- and family-centred care;

4.3.2.1(5)(b) Receiving, assessing and monitoring Patient and family's holistic needs;

4.3.2.1(5)(c) Routine and emergency nursing care including monitoring, examinations and treatment of mothers and infants;

4.3.2.1(5)(d) Administering medications and consulting with physicians, pharmacists and other interdisciplinary team members;

4.3.2.1(5)(e) Preparing Patients for diagnostic, treatment, and surgical services;

4.3.2.1(5)(f) Facilitating Patient and family comfort and relaxation, recreation and activation;

4.3.2.1(5)(g) Providing family/visitor support, consultation and counselling;

4.3.2.1(5)(h) Educating Patients, family, Staff and students;

4.3.2.1(5)(i) Documenting Patients' progress and maintaining Patient paper or electronic charts and records;

4.3.2.1(5)(j) Conducting shift reports and participating in interdisciplinary Patient conferences; and

4.3.2.1(5)(k) Coordinating, implementing, communicating, administering, scheduling, and evaluating the overall operations of the Component.

4.3.2.1(6) Clinical professional service team members (e.g., dietitians, respiratory therapist, lab technicians, pharmacist, nurse educator, transition liaison, Aboriginal Patient Navigator, etc.) will travel to the Maternity Services Unit from their central Components, as required. Selected team members will have permanent or shared workspace within the unit support areas.

4.3.2.2 Client Profile

4.3.2.2(1) Patients will be admitted to the Maternity Services Unit for:

4.3.2.2(1)(a) Labour, delivery, post-partum and antenatal care;

4.3.2.2(1)(b) Observation, monitoring and assessment;

4.3.2.2(1)(c) Anaesthesia and pain management;

4.3.2.2(1)(d) Medical treatment and medical post procedure care;

4.3.2.2(1)(e) Surgical pre- and post-operative and rehabilitative care;

4.3.2.2(1)(f) Neonatal and newborn Level 1B Nursery care.

4.3.2.3 Regional Context

4.3.2.3(1) The Unit will function as a regional resource, admitting Patients from the entire Cariboo-Chilcotin catchment area.

4.3.2.4 Education

4.3.2.4(1) The Unit will provide clinical resources in support of teaching programs for medical students, nursing, and other students.

4.3.2.4(2) Clinical teaching programs will be accommodated in Patient Care Areas. Formal lectures or continuing education will not be accommodated in the clinical areas where direct inpatient care is provided.

4.3.2.4(3) In-service education, rounds, and Patient teaching programs will be conducted on a regular basis throughout the Unit's Clinical Spaces and Patient Care Areas, as well as in Staff conference/meeting rooms and Patient/family teaching rooms equipped with audiovisual equipment.

4.3.2.5 Research

4.3.2.5(1) Research activities, including clinical trials, epidemiological studies, and quality improvement initiatives, may occur within the Component but will not require unique Staff or facility resources. Office/work space may be provided in the Staff Support Area for use by clinical researchers.

4.3.3 Operational Considerations

4.3.3.1 Service Delivery Principles & Methods

4.3.3.1(1) The Maternity Services Unit will consist of the following:

4.3.3.1(1)(a) Four (4) Patient Room-Private-SRMC, including one for bariatric Patients and airborne isolation, designed to support the model of single-room maternity care;

4.3.3.1(1)(b) Two (2) Patient Room-Private-Women's Health, typically for antepartum Patients, postpartum Patients at times of overflow, and Patients undergoing gynecological surgery;

4.3.3.1(1)(c) A Level 1B nursery unit consisting of two (2) single-occupancy Patient Room-Private-Nursery that will allow the caregiver to room in with the infant; and

4.3.3.1(1)(d) Two (2) Exam Room-Triage/Observation in the Triage/Observation area on the unit.

4.3.3.1(1)(e) One (1) Exam/Treatment Room-Maternity, primarily for outpatient programs, exams and assessments.

4.3.3.1(2) Client/Patient Flow

4.3.3.1(2)(a) Patients will be admitted to the Maternity Services Unit by direct admission, unscheduled admissions or through transfers from other facilities. Admitted Patients will initially report to the Care Team Station or unit clerk upon arrival on the unit.

4.3.3.1(2)(b) Patients at 20 weeks' gestation or more will also access the triage/observation area for assessments at any time during pregnancy, for non-stress testing or when in early or active labour.

4.3.3.1(2)(c) In emergency situations or during times of over census, the Exam Room-Triage/Observation and Patient Room-Private-Women's Health spaces will support deliveries. Women's health Patient rooms may alternatively accommodate general surgical Patients at these times.

4.3.3.1(2)(d) Patients who come to CMH in early labour will be held in the triage/observation area and then transferred to an SRMC Patient room, transferred to the OR for emergency C-section, or in some cases sent home.

4.3.3.1(2)(e) Mother and baby will remain together in the SRMC Patient room until discharge unless the newborn requires advanced care necessitating admission to a nursery room.

4.3.3.1(2)(f) Scheduled C-section Patients will go directly to the day-care surgical area for OR preparation and OR transfer. In the OR, the Patient will be met by the Maternity Services Unit care team (labour delivery nurse, physician). Post C-section mother and neonate will be transferred to and recovered in the SRMC for the remainder of their post-partum care.

4.3.3.1(2)(g) In the event that an infant or dyad requires airborne isolation, the Patient(s) will be accommodated in a designated Patient Room-Private-Bariatric-AIR on the 12-Bed Standalone IPU collocated with the Maternity Services Unit. This AIR will be located with Convenient Access to the Maternity Services Unit.

4.3.3.1(2)(h) Neonates requiring a higher level of care than a Level 1B Nursery will be transferred to another facility.

4.3.3.1(2)(i) In the circumstances of apprehension and/or adoption, where a newborn may not room in with the mother, the infant will be cared for in a Patient Room-Private-Nursery.

4.3.3.1(2)(j) Family members will be encouraged to participate in the care of mothers and newborns, visit and assist with ambulation. Post-partum mothers will remain in the Maternity Services Unit until discharged.

4.3.3.1(3) Visitor Management

4.3.3.1(3)(a) Visitors who access the Maternity Services Unit will be directed to the Care Team Station. Monitoring of the public entrance to the Component from the Care Team Station is required through either direct observation or IP video surveillance system along with remote door release. Refer to Appendix 1C [Minimum Room Requirements] and Schedule 1 [Statement of Requirements].

4.3.3.2 Staff Organization

4.3.3.2(1) The Maternity Services Unit will be supported by a team including the unit clerk, Patient care coordinator, unit manager and nurse educator. The Care Team Station will be the coordination centre for the Component, handling admissions, discharges, and information dissemination. Other health care professionals that provide care to the Service will be managed through their respective Departments.

4.3.3.2(2) The Care Team Station, within the support area, will act as the reception point for the Maternity Services Unit. A Care Team Workroom will be directly adjacent to the Care Team Station and will be a quieter work area for Staff and a private place to collaborate.

4.3.3.2(3) The Care Team Station on the Maternity Services Unit will be paired with the Care Team Station-Small on the 12-Bed Standalone IPU with which it is collocated. The Design will facilitate Staff collaboration and flexibility to support Patient care on both units without compromising separate access and security features for the two units, including access control.

4.3.3.2(4) Flexibility to accommodate different care concepts must be provided including primary care, team nursing, Patient-centred care, etc. Care will be planned and provided by a multidisciplinary team of health care professionals, including community services for discharge planning purposes. Patient and family education will be emphasized.

4.3.3.3 Clinical Support Services

4.3.3.3(1) Clinical Nutrition Services

4.3.3.3(1)(a) A registered dietitian will screen, assess and monitor Patients who are high to moderate nutrition risk. The dietitian will have access to a shared work area on the Maternity Services Unit.

4.3.3.3(2) Medical Imaging

4.3.3.3(2)(a) Maternal/fetal ultrasounds will be completed by the medical imaging department, where results are read by the assigned radiologist and uploaded to the Meditech system in the EMR.

4.3.3.3(2)(b) A portable ultrasound machine on the Component will be used by the physicians as required.

4.3.3.3(3) Food Services

4.3.3.3(3)(a) Point of care meal services for three meals daily are proposed for Maternity Services Unit, prepared in the Existing Hospital's central kitchen Portioning and serving will be provided for Patients from a food cart. Food will be plated to suit Patient preference, heated and delivered from the food cart by food services employees to the Patient bedside.

4.3.3.3(3)(b) All ware washing of dirty dishes, trays, pans and food carts after every meal will take place in the Existing Hospital's central kitchen.

4.3.3.3(3)(c) An Alcove-Nourishment stocked with sundries by food services and equipped with a fridge, microwave, hot water tap, coffee maker, ice chip machine, and sundries will be provided for the Unit. Staff, Patients and family will access and serve themselves at these stations. This function will promote family and caregiver participation in Patient care.

4.3.3.3(4) Laboratory

4.3.3.3(4)(a) Laboratory Staff members will come to the Maternity Services Unit to collect specimens as required. Specimens will be transported to the laboratory by pneumatic tube system as permitted or by Staff.

4.3.3.3(4)(b) Specific blood products can be ordered electronically and delivered by the pneumatic tube station or transported by Staff to the Component.

4.3.3.3(5) Pharmacy Services

4.3.3.3(5)(a) The Component will have a Medication Room for preparation of medications. Pharmacy Staff will have access to a work area on the unit.

4.3.3.3(5)(b) Pharmaceutical supply to the Maternity Services Unit will utilize a computerized, individual prescription, unit-dose system. Medications including narcotics will be prepared in the central Pharmacy, delivered by pharmacy Staff to the Component and placed in medication management systems (MMS) sized to suit the number of Patients served on the Component. Narcotics will be accommodated within the automated dispenser unit or designated narcotic lockbox.

4.3.3.3(5)(c) Patient medications brought from home, including traditional medicines, will be stored in lockable cabinets

Patient rooms and/or medications rooms after being sent to the pharmacy for identification and labeling.

4.3.3.3(5)(d) A supply of pharmaceuticals (e.g. IV solutions) will be distributed using a ward stock system and stored in the clean supply room.

4.3.3.3(5)(e) All medications will be ordered electronically, and STAT requests will be transported manually or via the pneumatic tube station.

4.3.3.3(5)(f) The pharmacist will perform pharmaceutical care activities on the Component utilizing a shared workstation.

4.3.3.3(6) Social Work

4.3.3.3(6)(a) Social workers will provide services to both Patients and their families. They will conduct high risk population assessments and assist mothers and families, including connecting them with services to secure rental accommodations, car seats and breast pumps.

4.3.3.3(7) Public Health Nursing

4.3.3.3(7)(a) Public health nurses will work with the care teams and consult on the continued wellbeing of Patients and families beyond their immediate stay at CMH. They will conduct assessments and undertake planning ways to resolve or reduce concerns. Public health nurses will promote health, disease prevention, health maintenance and health coaching both at CMH and during home care visits.

4.3.3.3(8) Lactation Support

4.3.3.3(8)(a) While admitted to CMH, new mothers will have access to lactation support through nursing, which will include:

(a).1 Providing breastfeeding support and education to mothers;

(a).2 Working with mothers to prevent and manage breastfeeding problems;

(a).3 Supporting breastfeeding infants with special health care needs, such as congenital heart disease and prematurity;

(a).4 Helping mothers maintain milk supply when separated from their babies;

(a).5 Teaching mothers how to use breast pumps;

(a).6 Assisting mothers in obtaining breast pumps and equipment;

(a).7 Teaching educational programs for health care providers; and

(a).8 Supporting employees who return to work after maternity leave and who wish to continue breastfeeding their baby.

4.3.3.3(9) Breastmilk Preparation

4.3.3.3(9)(a) Breastmilk preparation will be done at the bedside for all Patients on the Maternity Services Unit.

4.3.3.3(9)(b) The milk supply for mothers receiving care in a Patient Room-Private-SRMC will be stored in a fridge or freezer in the Medication Room-Maternity.

4.3.3.3(9)(c) The milk supply for mothers in a Patient Room-Private-Nursery will be stored in the fridge in the room.

4.3.3.3(10) Doula Services

4.3.3.3(10)(a) Doulas will provide non-medical support to mothers and to families throughout all stages of pregnancy, labour, delivery and post-partum care. The presence of doulas will be accommodated in all SMRC Patient rooms and women's health Patient rooms. Patients may request that their doula be present in the operating room during a C-section, and a decision will be made at the discretion of the surgical team.

4.3.3.3(11) Aboriginal Health Support

4.3.3.3(11)(a) The Maternity Services Unit will support delivery of services in an environment of cultural competency. Traditional practices, ceremonies and special dietary needs will be accommodated throughout all areas of the Maternity Services Unit. While admitted to CMH, Patients and their families will have access to an Aboriginal Patient Navigator (APN), who will help develop understandings about the care system at CMH and specific treatments. The APN will also play a key role in discharge planning, ensuring continuity of care beyond hospitalization.

4.3.3.4 Non-Clinical Support Services

4.3.3.4(1) Information Management

4.3.3.4(1)(a) The Maternity Services Unit will be planned to function with an electronic Patient information system as well as a conventional paper chart system, with the capacity to transition to a fully electronic medical record (EMR) system.

4.3.3.4(1)(b) Patient information systems will be automated with access to information by means of computer terminals located at all Staff work areas distributed throughout the Component. In the future, computer charting will occur at the Patient bedside, likely through the use of hand-held

wireless devices and/or workstation on wheels. Ordering and scheduling of tests, procedures, and medications will be managed through the same terminals in the Staff work areas or through the hand-held devices and/or workstation on wheels.

4.3.3.4(1)(c) Staff will utilize a wireless communication system.

4.3.3.4(2) Material Services

4.3.3.4(2)(a) Fast-turnover supplies, including general maternity and sterile supplies, will be transported by materials services Staff to the Maternity Services Unit using a scheduled top-up cart system.

4.3.3.4(2)(b) Mail and other small materials and STAT medications will be circulated manually or by pneumatic tube. These materials will be received and distributed from the Care Team Station within the Component.

4.3.3.4(2)(c) Patient portering services may be provided in the future.

4.3.3.4(3) Clean Supply & Linen Services

4.3.3.4(3)(a) Clean linen will be transported to the Maternity Services Unit using a scheduled exchange cart system. Clean linen on linen carts will be decentralized in linen alcoves or other designated areas within the Component.

4.3.3.4(3)(b) Maternity services supplies will be supplied on a top-up basis and held in the Utility Room-Clean. Top-up carts or wall-mounted bin systems will be available in the Utility Room-Clean.

4.3.3.4(4) Soiled Holding

4.3.3.4(4)(a) Soiled linen will be collected in hampers in each clinical area and then consolidated in carts in the Holding Room-Soiled. The Holding Room-Soiled will be located in close proximity to the Patient Transfer/Staff Service Elevator. Each Holding Room-Soiled will accommodate garbage, recycling bins and biohazardous waste materials generated in the Component for regular pickup by housekeeping Staff.

4.3.3.4(5) Soiled Utility

4.3.3.4(5)(a) Soiled instruments will be soaked or sprayed by ED Staff and held in the Utility Room-Soiled before transport to the MDR area. Soiled commode chairs, stretchers and other equipment will be held in the Utility Room-Soiled for preliminary cleaning before transport to the Cart Washing Room.

4.3.3.4(5)(b) Every Utility Room-Soiled will be serviced by CMH Staff on a regular basis.

4.3.3.4(6) Equipment Management

4.3.3.4(6)(a) Alcoves will be located along corridors to prevent clutter and are required for medication carts, isolation carts, crash carts, wheelchairs, stretchers, equipment, etc., which are numerous and frequently used.

4.3.3.4(6)(b) Equipment management will be centralized in material services.

4.3.3.4(6)(c) Decentralized equipment storage will only be provided on the Component for those items used relatively frequently. All other equipment used less frequently will be stored centrally in material services. Material services will manage transfers of equipment to and from the Component as required.

4.3.3.4(7) Housekeeping

4.3.3.4(7)(a) Housekeeping Staff will provide services to the Maternity Services Unit on a continuing basis. Garbage and soiled linen will be collected, bagged, and coded as necessary by housekeeping Staff and held in bins and carts in the Holding Room-Soiled for pick-up.

4.3.3.4(7)(b) Housekeeping will require a Housekeeping Room on the Component. This room will be located strategically within the Component and have restricted access. Housekeeping will provide general cleaning services on a regular basis. A week's supply of housekeeping products will be stored in each closet, in addition to space for a housekeeping cart, floor sink, floor machine, ladder, floor scrubber etc.

4.3.3.4(7)(c) Recycling bins and a confidential paper recycling bin will be located in the Workroom-Business Machine collocated with the CTS. Housekeeping services will collect from all recycling stations, and the confidential paper contractor will pick up paper from all collection containers throughout the Facility on a regular schedule.

4.3.3.4(8) Security Services

4.3.3.4(8)(a) The Maternity Services Unit will be a secured unit with respect to public access and egress. All points of access and egress to or from the outside and to or from General Circulation will be locked and controlled from the workstations located at the Care Team Station. Each access point will be equipped with an IP video intercom and remote door release, allowing members of the public to access the Component when deemed appropriate.

4.3.3.4(8)(b) All areas of the Maternity Services Unit, including the Level 1B Nursery, will be serviced by an infant protection system. All access points to the Component will be controlled at all times. An infant protection system utilizing tracking devices will be used to prevent infant abductions from the unit.

4.3.3.4(8)(c) All rooms designated as “Staff only” and areas where Patient and family access is restricted must be access controlled.

4.3.3.4(8)(d) The security of both Patients and Staff must be assured. Security personnel will respond to code white alarms and personal duress calls.

4.3.3.4(8)(e) Staff will have access to code white buttons.

4.3.3.5 Hours Of Operation

4.3.3.5(1) The Unit will be staffed 24 hours a day, 7 days a week.

4.3.4 Design Criteria

4.3.4.1 General Requirements

4.3.4.1(1) The following criteria have been identified as specific to the layout and design of this Component.

4.3.4.1(2) Zones of Activity within the Maternity Services Unit:

4.3.4.1(2)(a) Unit Entrance Area

4.3.4.1(2)(b) Clinical Area, including:

(b).1 Triage/observation/exam area
(b).2 SRMC rooms
(b).3 Women’s health rooms
(b).4 Level 1B Nursery room

4.3.4.1(2)(c) Staff Support Area

4.3.4.1(2)(d) Unit Support Area

4.3.4.1(2)(e) Staff Amenity Area

4.3.4.2 General Physical Organization

4.3.4.2(1) An alcove for infection prevention and control supplies and information and respiratory protective equipment (i.e., respiratory station) will be located at the Maternity Services Unit entrance.

4.3.4.2(2) The Maternity Services Unit will group the SRMC rooms together along with the support spaces required for the operation of these rooms, including the Medication Room. The Care Team Station will have a closer adjacency to the SMRC rooms than the Women’s

Health Patient rooms. The SRMC rooms will be in close proximity to the Maternity Patient Service Elevator for transport to the OR.

4.3.4.2(3) The Nursery rooms will also be located in close proximity to the CTS. One of the Nursery rooms will be collocated with a Patient Room-Private-SRMC and have an interconnecting door to the SRMC Patient room that may be opened to combine the rooms in appropriate circumstances, such as to support the care of a recovering C-Section mother in the SRMC room and her infant in the Nursery room.

4.3.4.2(4) The triage/observation area will be located close to the public entrance for ease of Wayfinding for Patients and family entering the unit and the SMRC area. This is important after hours when supporting Staff numbers are reduced.

4.3.4.2(5) The triage/observation area Workstation-Touchdown will be collocated with the Exam Room-Triage/Observation spaces.

4.3.4.2(6) The unit clerk will be collocated with the Care Team Station and will monitor the main entry either through direct observation or via IP video surveillance.

4.3.4.2(7) The Care Team Station in the Maternity Services Unit will be located centrally for observation of the SMRC rooms and the triage/observation area for monitoring of Patients.

4.3.4.2(8) All SRMC and Women's Health Patient rooms will have windows providing access to Direct Natural Light and views from the Patient bed while maintaining privacy and confidentiality during labour and delivery (appropriate window treatment, etc.).

4.3.4.2(9) All treatment rooms in the Component will be equipped with dimmable and emergency/assessment lighting.

4.3.4.2(10) To the extent possible, demonstrate in the Design the concept of Front of House and Back of House by placing Staff workspaces, touchdown stations, education spaces, and amenities away from public areas. Front of House areas such as Patient rooms, triage/observation area, and public waiting areas will be accessible by General Circulation.

4.3.4.2(11) Staff delivering supplies, medications, linens, and food to the Component will use the Patient Transfer/Staff Service Elevators.

4.3.4.2(12) The Medication Room will be located in close proximity to the Care Team Station and have Line of Sight to and from the CTS for the safety and security of Staff. The door to the Medication Room will be automatic and secure.

4.3.4.2(13) Clean supply and equipment alcoves will be distributed across the units to ensure needed supplies and equipment are readily at hand.

4.3.4.2(14) All alcoves will have power and data for future flexibility; refer to Appendix 1C [Minimum Room Requirements]. Supply alcoves will

be deep enough to accommodate top-up linen carts and exchange linen carts, supply carts and equipment so that corridors remain clear.

4.3.4.2(15) To provide efficient and effective care, travel distances will be minimized between Patient beds and high-touch support spaces such as the Medication Room, Utility Room-Clean and Utility Room-Soiled and equipment storage spaces through decentralization of these areas and rooms.

4.3.4.2(16) Doors into Restricted Circulation corridors will be automatic and secure.

4.3.4.2(17) The Patient Room-Private-SRMC-Bariatric-AIR will be located close to the Patient Transfer/Staff Service Elevators. The paths of travel to transfer a Patient to this AIR will not pass by the Public Passenger Elevators, waiting areas or reception areas.

4.3.4.3 Patient Room Configuration

4.3.4.3(1) The Maternity Services Unit will be designed with fully private Patient rooms with ensuite washrooms.

4.3.4.3(2) In each Patient Room-Private-Women's Health there will be three zones: Patient zone, provider zone and family zone. These rooms are configured similar to a standard inpatient room.

4.3.4.3(3) In each Patient Room-Private-SRMC there will be a clinical zone including in-room charting stations enabling Staff to provide continuous visual observation without leaving the room, a labouring Patient zone, a family zone with sleeper and storage, a zone for sterile delivery set up, a neonatal assessment zone, and bassinette area.

4.3.4.3(4) Each Patient Room-Private-SRMC will be equipped with the supplies and equipment for the monitoring and care of the mother and newborn during labour, delivery and the postpartum period.

4.3.4.3(5) Two headwalls will be accommodated: one for the mother and one for the infant. Headwall design and layout will need to accommodate twins and meet the requirements set out in Appendix 1C [Minimum Room Requirements].

4.3.4.3(6) The ensuite washroom will be 4-piece with a toilet, sink, shower and tub.

4.3.4.3(7) In the event of a baby in distress, the layout of the SMRC room will accommodate infant resuscitation in the room.

4.3.4.3(8) The Patient rooms will be designed for mother and baby to room together with an additional sleeper chair for another parent or caregiver.

4.3.4.3(9) Patients will be provided with exterior views from their beds. Shelf/counter space for Patient's personal items (e.g., flowers,

family pictures) will be provided on an adjacent wall on the window side.

4.3.4.3(10) Attractive options to encourage Patient activation and promote Patient independence will be included wherever possible. A seating area near the window for Patient and visitor/family will be provided.

4.3.4.4 Visual Monitoring and Security

4.3.4.4(1) Patient and Visitors who access the unit will be directed to the Care Team Station. Monitoring of the public entrance to the unit from the Care Team Station is required either through direct observation or IP video surveillance system along with remote door release as described in Appendix 1C [Minimum Room Requirements].

4.3.4.4(2) There will be an infant protection system installed through all areas of this Component. Visitor access/egress to and from Clinical Spaces must be controlled at all times.

4.3.4.4(3) The Care Team Station will be located centrally within the unit allowing nursing Staff to oversee Patient rooms.

4.3.4.4(4) The Care Team Station will have the least possible barrier between Staff and Patients without compromising Staff safety.

4.3.4.4(5) Staff safety and security will be facilitated using nurse call and wireless Staff communication system.

4.3.4.4(6) All rooms designated for “Staff only” and areas where Patient and family access is restricted must be access controlled.

4.3.4.5 Care Team Station

4.3.4.5(1) A central Care Team Station is required for the unit clerk, nursing Staff, and other healthcare providers and will include electronic Patient monitoring display boards, computers accommodating PACS, telephones, storage area for Patient charts, charting/documentation area, dictation equipment and telemetry monitoring equipment.

4.3.4.5(2) The Maternity Services Unit CTS will be equipped with electronic patient information tracking boards for displaying Patient information, appointments, care team details and other relevant records. These tracking boards will be integrated into the design of the CTS such that they are readily seen by Staff but out of view of Patients and the public.

4.3.4.5(3) The pneumatic tube station will be located in an alcove within the CTS in close proximity to the unit clerk. Millwork including a small counter will be provided to fill and empty tubes.

4.3.4.5(4) The CTS and unit clerk workspace will be designed to promote an inviting, non-institutional, and Patient- and visitor-friendly reception area. As this area is the first point of contact for visitors, it must

prevent uncontrolled access into the Component but still appear inviting for Patients and visitors to approach.

4.3.4.5(5) Care Team Stations will be provided with a glass enclosure, including a variety of sliding panels, offset panels and openings to allow Staff to hear activity in the surrounding corridors and rooms and speak with persons outside the Care Team Stations while still having the ability to achieve a degree of acoustic privacy when needed.

4.3.4.6 Sensory Environment

4.3.4.6(1) The Maternity Services Unit will have a non-clinical environment. Technology will be concealed as much as possible using Millwork adjacent to the head of the Patient bed and the infant headwall. The design of Millwork, colour schemes and lighting will promote the non-clinical feel.

4.3.4.6(2) Patient rooms must be sound attenuated to prevent sound transmission. Rooms will be constructed with a high level of sound isolation. Refer to Appendix 1D [Acoustic and Noise Control Measures].

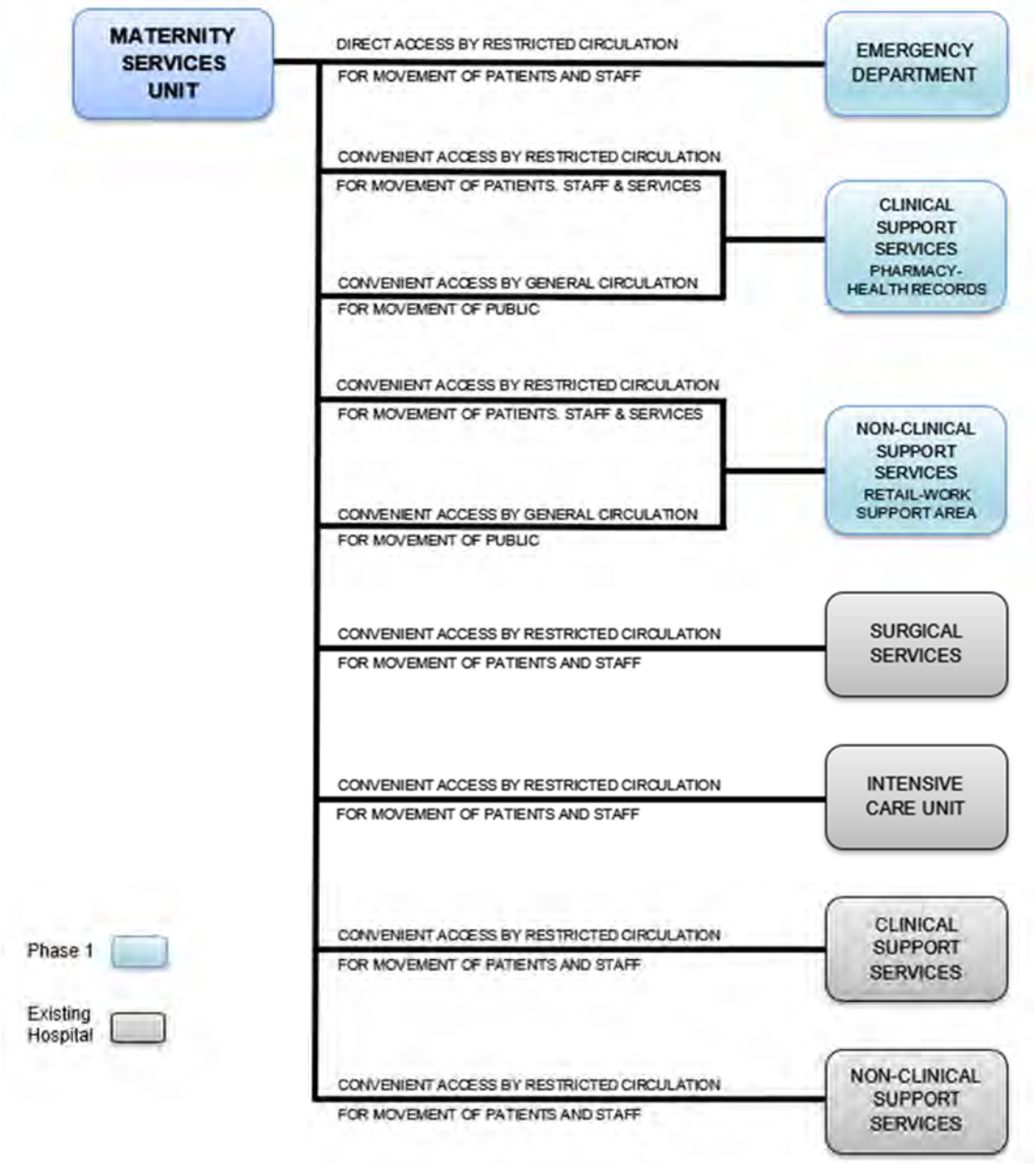
4.3.4.6(3) No overhead paging will be directed to the private Patient rooms.

4.3.4.6(4) Provide sound attenuation measures at pneumatic tube stations.

4.3.4.6(5) Circadian lighting will be installed in the Nursery rooms.

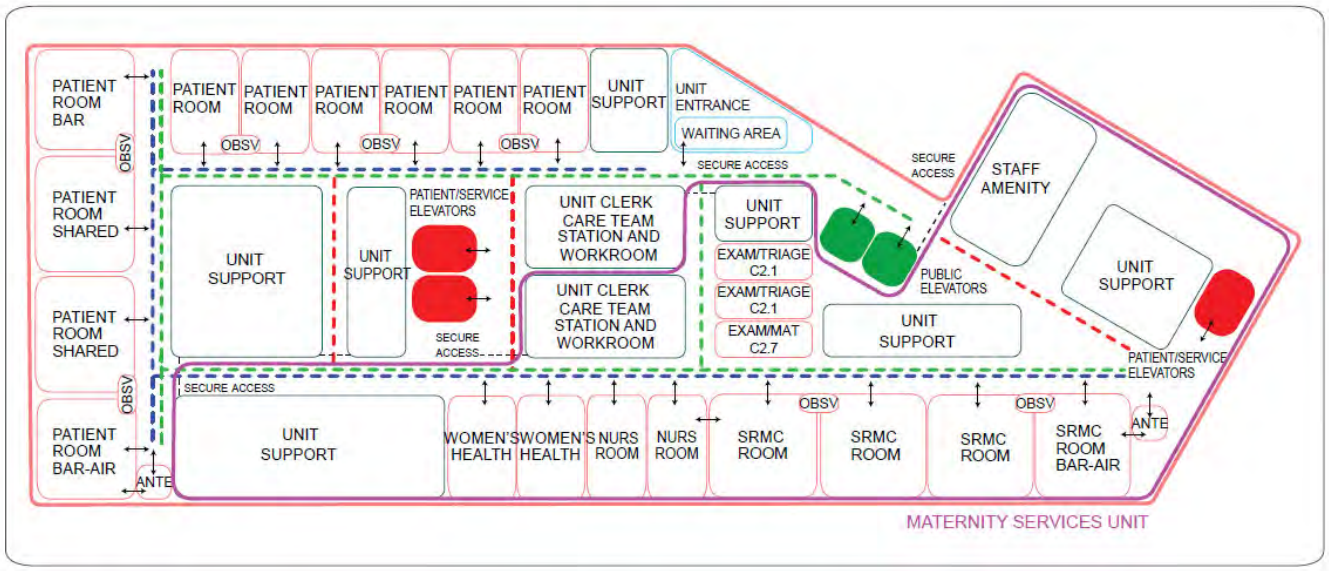
4.3.5 External Relationships

4.3.5.1 The following diagram is a summary of other Components in CMH that have a functional relationship with the Maternity Services Unit.



4.3.6 Component Diagram

The spatial organization of this Component will be generally as shown in the diagram below. The diagram illustrates conceptual relationships and will not be treated as a floor plan.



MEDICAL SURGICAL STANDALONE 12-BED POD + MATERNITY UNIT
FUNCTIONAL COMPONENT DIAGRAM

CIRCULATION
PUBLIC / VISITOR
PATIENT
STAFF/SERVICE
ACCESS
SECURED UNIT

4.3.7 Schedule of Accommodation

4.3.7.1 The following provides the spaces, numbers of spaces, Net Areas, and space contents as minimum requirements. Note the indented spaces indicate that the space is internally connected to the space listed above.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
C. MATERNITY SERVICES UNIT					
C1 - UNIT ENTRANCE AREA					
C1.1	Waiting Room	1	13.5	13.5	Seating for up to 8 with a variety of seating configurations. Viewing area for wall-mounted television and digital messaging board. Secure entry and overview from video intercom at the unit clerk workstation along with remote door release. Public phone.
C1.1.1	Alcove-Respiratory Station	1	1.5	1.5	Respiratory Station with standard STOP signage. Stations shall have hand sanitizer dispensers and masks and tissues mounted for Convenient Access by visitors.
C1.1.2	Not Used	0	0	0	
C1.2	Washroom-Public	1	4.6	4.6	2-piece (sink, toilet), barrier-free accessibility. Includes a baby changing table. Located adjacent to the Waiting Room.
TOTAL NSM: Unit Entrance Area				**19.6**	

C2 - CLINICAL AREA					
C2.1	Exam Room-Triage/Observation	2	14.0	28.0	Accommodates Patient for exam or fetal non-stress testing (NST) – Includes area for 1 gyne stretcher. Enclosed room with breakaway glass door. Maternal and neonatal headwalls with medical gases including suction, N2O, scavenging system and nurse call system. Hand hygiene sink, utility sink with Millwork counter for warming speculum. Lock-box for medications. Workstation on wheels.
C2.2	Alcove-Equipment-Small	2	1.5	3.0	Includes power and data. Serves triage area; located adjacent to triage area.
C2.3	Workstation-Touchdown	1	4.6	4.6	Workstation and charting area for use by Exam Room-Triage/Observation Staff.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
C. MATERNITY SERVICES UNIT					
C2.4	Patient Room-Private-SRMC	3	33.5	100.5	1 Patient bed, workstation, whiteboard, hand hygiene sink, perinatal exam light at the foot of the bed. Area for neonate stabilization including panda warmer. Two headwalls: one for mother and one for infant. Headwall design and layout to accommodate twins. Storage for Patient/family belongings. Includes Millwork counter, storage cupboards and wardrobe. Storage box for Patient's own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff. Case cart stored in Millwork storage cupboards. Family zone accommodates a sleeper chair and breastfeeding chair. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Located centrally around the CTS.
C2.4.1	Washroom/Shower/Tub-Ensuite	3	9.0	27.0	4-piece washroom (toilet, sink, shower and 3-sided access labouring tub), barrier-free accessibility. Shelf for personal items. Nurse call system. Floor drain, enclosed Patient waste disposal unit. Solid panel barn-door style sliding door.
C2.5	Patient Room-Private-SRMC-Bariatric-AIR	1	35.0	35.0	1 Patient bed, workstation, whiteboard, hand hygiene sink, perinatal exam light at the foot of the bed. Area for neonate stabilization including panda warmer. Two headwalls: one for mother and one for infant. Headwall design and layout to accommodate twins. Storage for Patient/family belongings. Includes Millwork counter, storage cupboards and wardrobe. Storage box for Patient's own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff. Case cart stored in Millwork storage cupboards. Family zone accommodates a sleeper chair and breastfeeding chair. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Located centrally around the CTS.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
C. MATERNITY SERVICES UNIT					
					Door for Direct Access to the corridor when the room is not in airborne isolation mode.
C2.5.1	Anteroom-AIR	1	7.5	7.5	Storage of supplies, gowning, and hand hygiene sink. Voice intercom into Patient Room-Private-SRMC-Bariatric-AIR.
C2.5.2	Washroom/Shower/Tub-Ensuite-AIR	1	9.0	9.0	4-piece washroom (toilet, sink, shower and 3-sided access labouring tub), barrier-free accessibility. Shelf for personal items. Nurse call system. Floor drain, enclosed Patient waste disposal unit. Solid panel barn-door style sliding door.
C2.6	Patient Room-Private-Women's Health	2	21.4	42.8	1 Patient bed, wardrobe, sleeper chair, whiteboard, supply cabinet, hand hygiene sink at entrance, privacy curtain at door. Medical headwall with gases, nurse call. Family zone for participation/visiting. Include X-Y gantry ceiling lifts. Lifts will not extend into WC, Patients will be transferred to a commode. Storage box for Patient's own medications in lockable wardrobe (pincode), separate lock box for medications dispensed by Staff.
C2.6.1	Washroom/Shower-Ensuite	2	5.6	11.2	3-piece (toilet, sink, shower), barrier-free accessibility. Shelf for personal items. Nurse call system. Floor drain. Staff assist/nurse call system.
C2.7	Exam/Treatment Room-Maternity	1	14.0	14.0	Include stretcher, medical gases, infant scale, hand hygiene sink, breastfeeding chair. For various outpatient maternity and neonatal exams and assessments. For home phototherapy program. For outpatient breast feeding education on evenings and weekends. Utility sink with Millwork counter. Height-adjustable pull-down baby assessment station for infant exams. Fitted out for ceiling lift (infrastructure only).
C2.8	Patient Room-Private-Nursery	2	15.0	30.0	Level 1B Nursery - single-occupancy nursery room. Sliding glass doors with privacy curtain. Storage for Patient/family belongings. Includes Millwork counter, storage cupboards and wardrobe. Whiteboard, recessed locked medication cabinet. Medical gases, double headwall for twins. Small fridge for breastmilk. Accommodates mother's day bed,

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
C. MATERNITY SERVICES UNIT					
					breastfeeding chair, cardiac monitor and bassinet or incubator. For repatriation cases or mothers discharged from hospital/no longer needing an SRMC room. To accommodate resuscitation within the room. Located adjacent to SRMC rooms. One room to be located directly adjacent to a Patient Room-Private-SRMC with interconnecting door, for recovering C-Section mother and infant in the nursery. Located centrally around the CTS.
C2.8.1	Washroom/Shower-Ensuite	1	5.6	5.6	3-piece (toilet, sink, shower), barrier-free accessibility. Shelf for personal items. Nurse call system. Floor drain. Staff assist/nurse call system. Shared between both Patient Room-Private-Nursery.
C2.9	Washroom- Patient	1	4.6	4.6	2-piece (sink, toilet), barrier-free accessibility. Located on the unit for visitors.
TOTAL NSM: Clinical Area				**322.8**	

C3 - STAFF SUPPORT AREA					
C3.1	Workstation-Unit Clerk	1	9.2	9.2	Collocated with Care Team Station. Video intercom remote entry door release.
C3.2	Care Team Station	1	21.0	21.0	Central station with up to 6 workstations. Video intercom remote entry door release. Purse lockers.
C3.2.1	Alcove-Pneumatic Tube Station	1	1.5	1.5	Located in Care Team Station in close proximity toWorkstation-Unit Clerk.
C3.2.2	Workroom-Care Team-Small	1	13.0	13.0	Quiet, confidential work area. Site for collaborative meetings/teaching. Acoustically separated from Care Team Station but directly adjacent. Accommodates charging for small electronic devices, including cell phones and Vocera. Alcove for charging mobile workstation batteries. Incl. 3 workstations with PACs. Also for use by UBC learners.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
C. MATERNITY SERVICES UNIT					
C3.2.3	Workstation-Learner	2	2.5	5.0	Incl. workstation, power, data, cabinet for personal items. Priority access for UBC learners.
C3.3	Medication Room-Maternity	1	16.0	16.0	Millwork, standing-height counter, workstations, telephone, glucometers, hand hygiene sink, small counter-mounted refrigerator monitored by BMS, three-cell medication management system, recessed lockable cabinet and wall-mounted storage (adjustable wire shelving), glazing for visibility. Automatic opener. Controlled access, entry from Front of House corridor. Located in close proximity to the Care Team Station. Incl. fridge or separate freezer for storage of breastmilk for SRMC Patients. Directly adjacent to the Utility Room-Clean-Large.
C3.4	Alcove-Hand Hygiene Sink	1	1.5	1.5	Located within 6 m of Care Team Station entrances. Includes hand hygiene sink, Personal Protective Equipment, Infection Protection and Control signage.
C3.5	Workstation-Touchdown-Small	1	4.6	4.6	Enclosed workstation for acoustic privacy, power, data; used for dictation, etc. Located near the Care Team Station.
C3.6	Workroom-Business Machine	1	10.0	10.0	Accommodates business equipment, paper supplies, and large confidential shredding bin; Millwork to be designed for easy access to forms, paper, toner and other supplies. Adjacent to Workroom-Care Team.
TOTAL NSM: Staff Support Area				**81.8**	

C4 - UNIT SUPPORT AREA					
C4.1	Storage Room-Equipment	1	16.0	16.0	Incl. one (1) data port and recharging outlets along one wall at 1m O/C. Hooks for equipment storage. Automatic door opener with hands-free operation. Located with Convenient Access on the unit. For portable ultrasound machine, wheelchairs, IV poles, oxygen tanks, incubators, infant warmers and phototherapy equipment.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
C. MATERNITY SERVICES UNIT					
C4.2	Utility Room-Clean-Large	1	15.0	15.0	Wall-mounted wire bin storage system for top up (adjustable wire shelving). Accommodation for wire cart with adjustable shelves. Entry from Staff-Patient corridor, collocated with SRMC Rooms. Controlled access. Dedicated to Maternity services and Women's Health Rooms.
C4.3	Utility Room-Soiled	1	13.5	13.5	Hand hygiene sink at entry. Stainless steel counter with marine edge and utility sink, upper cabinets. Lower cabinets with wire bin pull out shelves except below utility sink. Access to Personal Protective Equipment for unit-based decontamination and cleaning. Enclosed Patient waste disposal unit, floor drain. Keyed entry, door closer. Accommodates soiled equipment for preliminary cleaning (wheelchairs, IV poles). Alcove to accommodate storage rack with Vernacare supplies outside of sink splash zone. Centrally located in close proximity to SRMC rooms and triage area. For cleaning of equipment prior to sending to MDR. Specimen fridge.
C4.4	Holding Room-Soiled	1	9.0	9.0	Accommodates staged storage for bins of garbage, soiled linen, biohazardous waste, recyclables etc. Located in close proximity to service elevators. Controlled access.
C4.5	Housekeeping Room	1	12.0	12.0	Hand hygiene sink at entry. Wall-mounted eyewash station. Wall-mounted shelving with enclosed wall-mounted cabinet for storage of clean supplies. Janitorial sink. Pre-mixed automatic systems for dispensing chemical supplies. Accommodates housekeeping carts, ladders, floor cleaning machine, and cleaning supplies. Located in close proximity to service elevators. Controlled access. Floor drain.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
C. MATERNITY SERVICES UNIT					
C4.6	Not Used	0	0	0	
C4.7	Breastfeeding Equipment Cleaning Station	1	4.5	4.5	Enclosed room with Millwork countertop with utility sink and instantaneous hot water tap. For equipment cleaning and milk pumping. Located in close proximity to nursery rooms. Nurse call.
C4.8	Alcove-Blanket Warmer	2	1.5	3.0	One located adjacent to SRMC rooms and one adjacent to nursery rooms. Includes data ports and electrical outlets.
C4.9	Alcove-Linen Cart	3	1.5	4.5	Distributed - one in SMRC zone, one with nursery rooms and one in Women's Health zone. Includes data ports and electrical outlets.
C4.10	Alcove-Crash Cart	1	1.5	1.5	Located adjacent to the SMRC rooms. Includes data ports and electrical outlets.
C4.11	Alcove-Food Cart	2	1.5	3	For storage of food carts waiting to be returned to the central kitchen.
C4.12	Alcove-Nourishment	1	4.5	4.5	Located adjacent to Care Team Station. Small room with walls on three sides. Millwork counter with double sink and hot water tap, upper storage cabinets, lower storage cabinets and enclosed drawers, full-size refrigerator and microwave oven. Small kitchen appliances, individual ice dispenser with filtered water.
C4.13	Alcove-Wheelchair/Stretcher	1	8.0	8.0	Accommodates up to 2 stretchers and 4 wheelchairs. Locate adjacent to service elevator.
C4.14	Isolette Cleaning Room	1	9.0	9.0	Enclosed room for cleaning isolettes. Stainless steel counter with utility sink and upper storage cabinets. Access controlled. Located in close proximity to Storage Room-Equipment.
C4.15	Family Room	1	9.0	9.0	Interconnecting space between one SRMC and one Nursery Room. For use as an adjoining room to the adjacent SRMC room or to the adjacent Nursery Room, or as an interconnecting space between the two rooms. Acoustically isolated from adjoining SRMC and Nursery Room when separating doors are closed and secured.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
C. MATERNITY SERVICES UNIT					
TOTAL NSM: Unit Support Area				**114.0**	

C5 - STAFF AMENITY AREA					
C5.1	Lounge-Staff	1	16.0	16.0	Seating area for 8 Staff. Kitchenette with countertop and cupboard storage, toaster, microwave, utility sink, full-size fridge, coffeemaker and dishwasher. Dining table and chairs. Soft comfortable seating and TV.
C5.1.1	Lockers-Staff	20	0.4	8.0	20 half-sized lockers and boot cubbies, coat hooks for jackets.
C5.2	Alcove-Hand Hygiene Sink	1	1.5	1.5	Adjacent to Lounge-Staff. Incl. hand hygiene sink, Personal Protective Equipment, Infection Protection and Control signage.
C5.3	Meeting Room	1	25.0	25.0	Seating for 8-10 Staff. Can be located off the unit, but with Convenient Access to the unit. Bookable room for CMH.
C5.4	Office-Private	1	11.0	11.0	Workstation, desk and small meeting area. Private office for manager.
C5.5	Office-Shared	1	14.0	14.0	2 workstations and 2 desks. Shared office for PCC and Nurse Educator.
C5.6	On-Call Room	2	9.0	18.0	Sleeping area, telephone, single bed, clothing hooks, side table and wall lamp.
C5.7	Washroom/Shower-Staff	1	5.6	5.6	3-piece (sink, toilet, shower). Barrier-free accessibility. Located Adjacent to C5.3 Meeting Room.
C5.8	Washroom-Staff	1	4.6	4.6	2-piece (sink, toilet). Barrier-free accessibility. Located adjacent to Lounge-Staff.
TOTAL NSM: Staff Amenity Area				**103.7**	

Summary of Maternity Services Unit

C1 - UNIT ENTRANCE AREA	19.6
C2 - CLINICAL AREA	322.8
C3 - STAFF SUPPORT AREA	81.8
C4 - UNIT SUPPORT AREA	114.0
C5 - STAFF AMENITY AREA	103.7

MATERNITY SERVICES UNIT PROGRAMMED SPACE NSM:	**641.9**

4.4 D. PHARMACY

4.4.1 Overview

4.4.1.1 Planning Parameters & Assumptions

4.4.1.1(1) The Pharmacy is responsible for acquiring, preparing, dispensing, distributing and storing medications. The Pharmacy also provides drug monitoring therapy and counselling, drug utilization review, drug information services for Patients and health providers, and educational in-services. The Pharmacy has been developed based on the following key assumptions:

4.4.1.1(1)(a) CMH Pharmacy will continue to manage the purchasing, control and distribution of medications to inpatients, residents in Deni House, Home and Community IV Clinic, Authority outposts in Tatla Lake and Alexis Creek and the Gateway Crisis Stabilization Unit. In the future, CMH may support the repatriation of pharmacy services for Authority-owned long-term care facilities.

4.4.1.1(1)(b) CMH Pharmacy will continue to receive pre-packaged oral medications from Royal Inland Hospital and stock supplies from the Authority's logistics hub at Reid's Corner in Kelowna.

4.4.1.1(1)(c) Pharmacists will work as part of the interdisciplinary team providing care to Patients with activities including admission medication reconciliation, resolving drug related problems, developing pharmaceutical care plans, participating in interprofessional rounds, providing education to Patients, family and/or health care Staff, and providing discharge medication reconciliation.

4.4.1.1(1)(d) Management of pharmaceuticals in each Clinical Space at CMH will be carried out by means of a computerized, individual prescription, point-of-use (POU) drug distribution system. This will include medication management systems (MMS) in Patient Care Areas for standard stock and narcotic inventories. Pharmacy will be required to communicate or clarify orders to the IPUs via scanner, fax machine, pneumatic tube or phone.

4.4.1.1(1)(e) Pharmacy will continue to provide IV medication and chemotherapy preparation for inpatients and outpatients.

4.4.1.1(1)(f) Some outpatients and/or family will come to the pharmacy to pick up medications and/or to consult a pharmacist.

4.4.1.2 Service Trends

4.4.1.2(1) The following service directions and needs are expected to influence this Component:

4.4.1.2(1)(a) Pharmacists are playing an increasingly active role in medication therapy management and other clinical services for inpatients and outpatients including drug monitoring, Patient counselling and education;

4.4.1.2(1)(b) Increasing use of chemo infusion therapy treatment and a higher incidence of cancer rates in the region will increase pharmacy workloads;

4.4.1.2(1)(c) Increasing use of and demand for IV treatments, including the expansion of programs supporting off-site use of Patient medications including the Home IV program and outpatient clinics;

4.4.1.2(1)(d) National changes in professional scope of practice giving pharmacists and other professionals the ability to prescribe drugs;

4.4.1.2(1)(e) Increasing use of tele-pharmacy;

4.4.1.2(1)(f) Increasing involvement in student education; and

4.4.1.2(1)(g) Increased use of hand-held information technology.

4.4.2 Functional Description

4.4.2.1 Scope Of Services

4.4.2.1(1) The Pharmacy will be responsible for acquiring, preparing, dispensing, distributing and storing medications. The Pharmacy will also provide drug monitoring therapy and counselling, drug utilization review, drug information services for Patients and health providers, and educational in-services. More specifically, the scope of Pharmacy services at the CMH will include:

4.4.2.1(1)(a) Clinical pharmacy services such as order entry and review, input into the pharmaceutical therapeutic plan, liaison with the clinical care team, inpatient teaching and discharge counselling.

4.4.2.1(1)(b) Management of pharmaceuticals in each Clinical Space at CMH utilizing a computerized, individual prescription, point-of-use (POU) drug distribution system. This will include medication management systems (MMS) on Patient care units for standard stock and narcotic inventories. Pharmacists will review and verify all physicians' orders once they have been scanned to the pharmacy. The order will then be entered into the Patient's medication profile.

4.4.2.1(1)(c) Delivery of medications to each Clinical Space either in response to electronic orders for medications not in the medication management system (MMS) cells or based on minimum stock level reports that print in pharmacy. Medications will be delivered once daily or as needed by

pharmacy Staff, nursing, pneumatic tubes or by porter in the future. Controlled substances will be accommodated within each MMS or locked in controlled substances cupboard in each medication room.

4.4.2.1(1)(d) Some production and compounding of drugs.

4.4.2.1(1)(e) A centralized IV admixture and sterile products service, including outpatient IV therapy productions and programming home IV pumps for community services Patients

4.4.2.1(1)(f) Chemotherapy preparation as well as other IV infusions and oral medications for ambulatory outpatients, including preparation of Remicade (purchased at retail pharmacy and delivered by Patient to CMH), oral chemotherapy, and pharmacist counselling.

4.4.2.1(1)(g) Consultation with outpatients and/or family coming to the pharmacy.

4.4.2.1(1)(h) Identification and labelling of Patient medications, including traditional medications, brought from home prior to being stored in lockable cabinets Patient rooms and/or medications rooms.

4.4.2.1(1)(i) Off-site pharmacist support for Thompson Cariboo Shuswap rural hospitals.

4.4.2.1(1)(j) Training for undergraduate pharmacist students and pharmacy technicians.

4.4.2.2 Client Profile

4.4.2.2(1) Pharmacy will provide service to all CMH inpatients, including those in the intensive care unit, surgical Patients, selected ambulatory Patients including chemotherapy outpatients and emergency Patients. Pharmacy will also support residents in Deni House, Home and Community IV Clinic, Authority outposts in Tatla Lake and Alexis Creek and the Gateway Crisis Stabilization Unit.

4.4.2.3 Education

4.4.2.3(1) Education for pharmacists, pharmacy students, and pharmacy technicians will take place on the unit.

4.4.2.3(2) Education and consultation with multidisciplinary team members will occur on the IPUs. Pharmacy will utilize a shared touchdown space in the multidisciplinary workroom on each IPU.

4.4.2.3(3) Education to inpatients will be accommodated in Patient rooms. Outpatient education will be accommodated in bookable clinic and education spaces or in the Pharmacy Consultation room.

4.4.2.3(4) Access to tele-health and e-learning initiatives will be required.

4.4.2.4 Research

4.4.2.4(1) The Pharmacy will continue to provide support for clinical research studies (e.g., clinical trials), but without the need for supplemental space other than shelf space (room temperature and refrigerated) for storage of research medications.

4.4.3 Operational Considerations

4.4.3.1 Service Delivery Principles & Methods

4.4.3.1(1) Client/Patient Flow

4.4.3.1(1)(a) Most of the support pharmacists will provide to inpatients and family members will be on the unit at bedside.

4.4.3.1(1)(b) Some Patients may access the Pharmacy to pick up specialty medications and consultations with the Pharmacist. Access to the Reception Desk of the Pharmacy is required during regular pharmacy hours (08:00–16:00) for the public to pick up these medications.

4.4.3.1(2) Visitor Management

4.4.3.1(2)(a) Non-pharmacy Staff and visitors, e.g., sales representatives, will have limited access to the reception area of the Component. A Consultation Room will be provided in the reception area so that visitors do not enter the Pharmacy proper.

4.4.3.1(2)(b) Deliveries will be directed to the Receiving Area.

4.4.3.1(3) Hours Of Operation

4.4.3.1(3)(a) Current operational hours are from 08:00 to 16:00 Monday to Friday and 08:00 to 14:00 on weekends and statutory holidays. A pharmacist is on-site Monday to Friday and on call during weekends and statutory holidays.

4.4.3.2 Non-Clinical Support Services

4.4.3.2(1) Information Management

4.4.3.2(1)(a) The pharmacy medication ordering, processing/issuing, and dispensing system will be automated with orders and dispensing recorded automatically in the Patient record.

4.4.3.2(2) Security Services

4.4.3.2(2)(a) Card reader access will be required for entry into the Pharmacy.

4.4.3.2(2)(b) CMH Security Services will provide electronic and video monitoring of the Pharmacy entry points and internal spaces such as the Storage Room-Controlled Substances. Duress alarms adjacent to the Pharmacy entrances are required; refer to Schedule 1 Section 7.10 Electronic Safety and Security (Division 28).

4.4.3.2(3) Materials Receiving & Distribution Services

4.4.3.2(3)(a) CMH Logistics will provide initial reception of pharmaceutical supplies and deliver supplies from the receiving dock to the Pharmacy.

4.4.3.2(4) Biomedical Engineering

4.4.3.2(4)(a) Biomedical engineering services will provide for the repair of smart pumps.

4.4.3.2(5) Housekeeping Services

4.4.3.2(5)(a) Housekeeping Staff will provide daily cleaning services to meet the specific needs of the program. All waste and soiled linens will be collected and transported to the final collection/disposal areas. There will be a housekeeping closet dedicated to the Pharmacy located in close proximity to the IV Prep Room, Anteroom-Sterile IV Admixture and Anteroom-Sterile Chemo Prep.

4.4.4 Design Criteria

4.4.4.1 General Requirements

4.4.4.1(1) Zones of activity within the Pharmacy:

4.4.4.1(1)(a) Unit Entrance / Counselling Area

4.4.4.1(1)(b) Receiving Area

4.4.4.1(1)(c) Pharmacy Prep Area

4.4.4.1(1)(d) IV and Chemo Prep Area

4.4.4.1(1)(e) Staff Amenity Area

4.4.4.1(2) Unit Entrance / Counselling Area

4.4.4.1(2)(a) There will be a Reception/Counselling Area that includes:

(a).1 Waiting area
(a).2 A space to receive prescriptions
(a).3 Controlled access to the Pharmacy
(a).4 Space for Pharmacist to privately counsel Patients

4.4.4.1(2)(b) A means of communication with the Waiting Room will be required from the Reception Desk and from Order Entry.

4.4.4.1(2)(c) Visitors will obtain prescriptions from Staff at the Reception Desk or be admitted into the Counselling Room for consultations. Staff will have separate access to the Counselling Room from within the Component so that they do not need to enter through the Waiting Room.

4.4.4.1(2)(d) Staff will be able to enter the secure Pharmacy zone from the Front of House corridor or Waiting Area at an entrance point controlled by card reader.

4.4.4.1(3) Receiving Area

4.4.4.1(3)(a) There will be a Receiving Area with a computer and a work counter. This area will be covered by security camera monitored at the Reception Desk. Deliveries will be directed to this area, to which they will be permitted access by remote door release from the Reception Desk or Order Entry Area during regular Pharmacy hours or card access by security services after hours. Entry into the Component from the Receiving Area will be restricted to pharmacy Staff.

4.4.4.1(4) Pharmacy Prep Area

4.4.4.1(4)(a) There will be a Pharmacy Prep Area that includes the following:

(a).1 Order Entry Area with computer and MFP (multifunctional printer);

(a).2 Dispensing/Storage Area including product preparation areas, workstations, sterile products preparation area, monitored medication refrigerators, monitored medication freezers and medication storage area;

(a).3 Workstation-Production Support including bulk compounding, active drug storage, packaging / labeling area, medication cart staging; and

(a).4 Storage Room-Controlled Substances.

4.4.4.1(4)(b) The Storage Room-Controlled Substances will meet provincial/federal requirements for the storage of narcotics. Refer to College of Pharmacists of British Columbia Guidelines for the storage of narcotics. Basic requirements include:

(b).1 Accommodate a 24 cu ft. medication refrigerator

(b).2 Employ automatic medication distribution equipment (MMS)

(b).3 Secure floor-to-ceiling impenetrable walls;

(b).4 Secure, inaccessible ceiling;

(b).5 Secure, lockable door;

(b).6 Card reader access;

(b).7 Integrated alarm system;

(b).8 Back-up mechanical locking under power failure; and

(b).9 Surveillance by video camera.

4.4.4.1(4)(c) The level of access control to this room is higher than that required to enter the rest of the Pharmacy.

4.4.4.1(5) IV and Chemo Prep Area

4.4.4.1(5)(a) IV production will be conducted in biological safety and laminar flow cabinets. As the operation of these cabinet units will be influenced by internal air circulation into and within the room, there will be no drafts near the cabinets other than those created by the cabinets themselves. Also, to minimize risk of cross contamination, processes associated with chemotherapy preparation must be separated from processes associated with general IV preparation, requiring a separate room, anteroom and refrigerator.

4.4.4.1(5)(b) The requirements for the sterile production rooms must be compliant with NAPRA requirements (see reference in 2.6). All IV areas will have sufficient filtered air circulation to address sterility and heat exchange requirements, recognizing that the sterile cabinets themselves generate considerable heat. Room temperature fluctuations will be avoided. The air pressure for the Sterile IV Admixture room for general IVs will be positive relative to its anteroom, which in turn will be positive relative to general air pressure, in accordance with sterile room guidelines. Similarly, the air pressure gradient for the Sterile Chemo Prep mixing room for biohazardous IVs will be negative pressure relative to its anteroom, which in turn will be negative relative to general air pressure, as set out in biohazard guidelines.

4.4.4.1(5)(c) The two sterile rooms (Sterile IV Admixture and Sterile Chemo Prep) will be contiguous to their own anterooms, which will be contiguous to a staging area (IV Prep Room). Each sterile room will be connected to the IV Prep Room via a stainless steel pass-through windows/cabinet. The Sterile IV Admixture room, Sterile Chemo Prep room, and Anteroom-Sterile Chemo Prep require ISO Class 7 certification. The Anteroom-Sterile IV Admixture requires ISO Class 8 certification.

4.4.4.1(5)(d) The IV Prep Room will be designed to be operated as an ISO Class 8 room to allow for stainless steel pass-through windows/cabinets directly from the sterile rooms.

4.4.4.1(5)(e) The Storage Room-Hazardous Medication will be used for the storage of all hazardous medications before and after their preparation in the sterile admixture rooms. Staff will have Direct Access to this room from the IV Prep Room to retrieve items; they will then use the pass-through cabinets in the IV Prep Room to transfer hazardous medications to the Sterile IV Admixture and Sterile Chemo Prep rooms, with the reverse process used for storing mixed items. Such items are contained in a sealed bag and stored in the refrigerator in the Storage Room-Hazardous Medication until distributed to Patients.

4.4.4.1(6) General Design Criteria

4.4.4.1(6)(a) The architectural design and finishes in the Pharmacy will be geared to meet the needs of Staff working in the area and will include the following features:

(a).1 Consulting access for those with limited mobility or older people who might have sensory loss (sight, hearing, smell) and have cognitive impairment.

(a).2 Open, flexible areas to allow for reconfiguration to accommodate changes in operations and equipment.

(a).3 Natural lighting and proper sound attenuation to dampen the sound of the equipment. The area will provide comfort and minimal fluctuations in temperature, humidity and air quality.

(a).4 The unit dose dispensing stations must be ergonomically designed to support picking and cart preparation.

(a).5 The Order Entry Area will be acoustically protected as a quiet area where Staff can maintain concentration on order processing. For acoustic requirements refer to Appendix 1D [Acoustic and Noise Control Measures].

(a).6 The location of the sterile products room will minimize unnecessary personnel and material traffic within the area to maintain room sterility.

(a).7 Activities that may generate airborne particle contaminants will be remotely located to minimize any potential cross-contamination.

(a).8 Workstations will be grouped as much as possible and the use of modular furnishings will be considered to maintain flexibility of the space.

(a).9 Hand hygiene sinks will be easily accessible throughout all Pharmacy spaces

(a).10 The Counselling Room for the Pharmacy will be located such that visitors can access the office without entering the secure Pharmacy zone.

4.4.4.1(7) Inventory Management

4.4.4.1(7)(a) The point for inventory arriving at the Pharmacy must be clearly marked and easy to find for the purposes of:

(a).1 Bulk inventory arriving to the Pharmacy

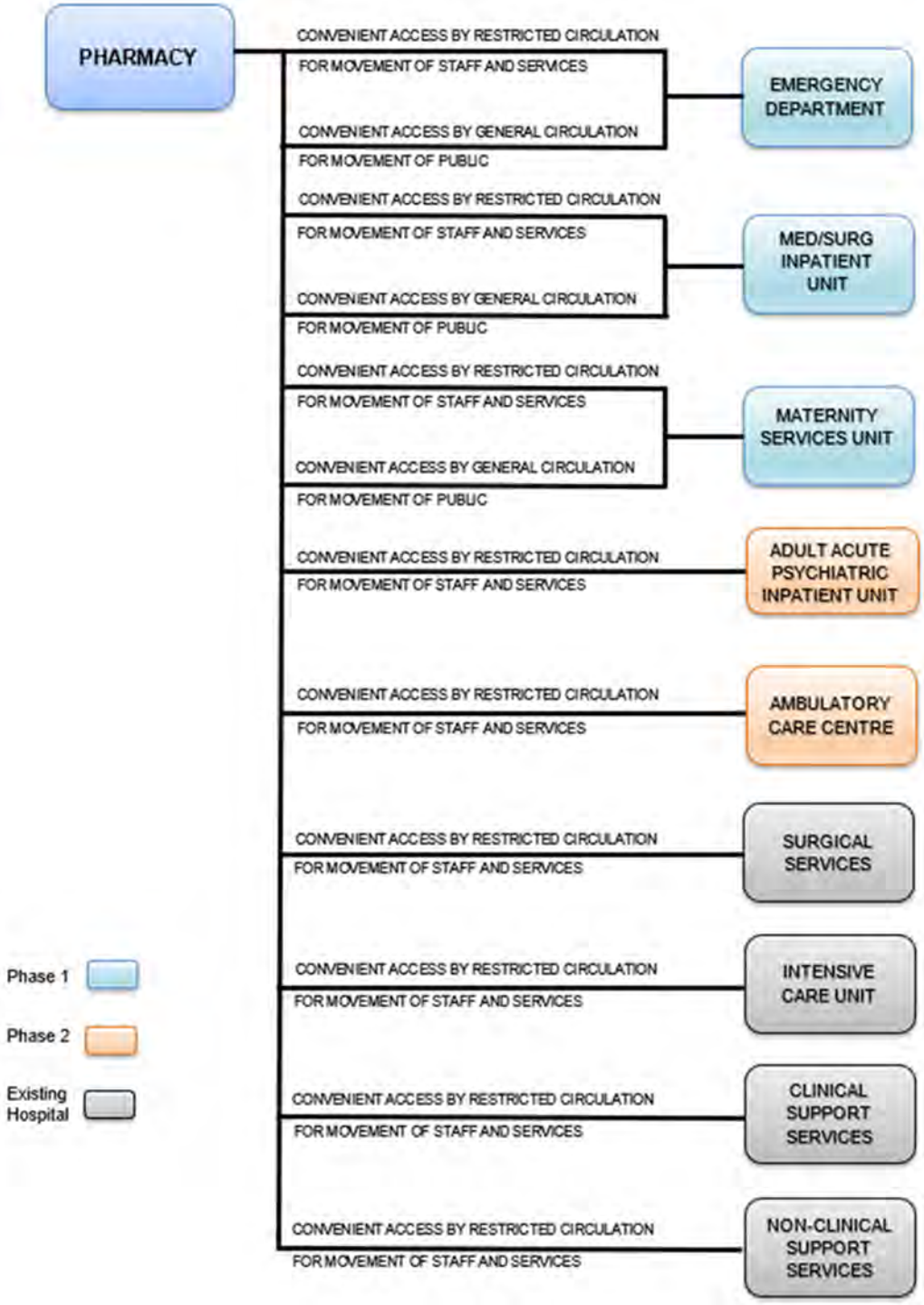
(a).2 Shipments being sent from the Pharmacy to Deni House

(a).3 Pickups from CMH clinical areas

4.4.4.1(7)(b) Bulk medications and narcotic storage will be centralized in the Pharmacy to provide security and quality control.

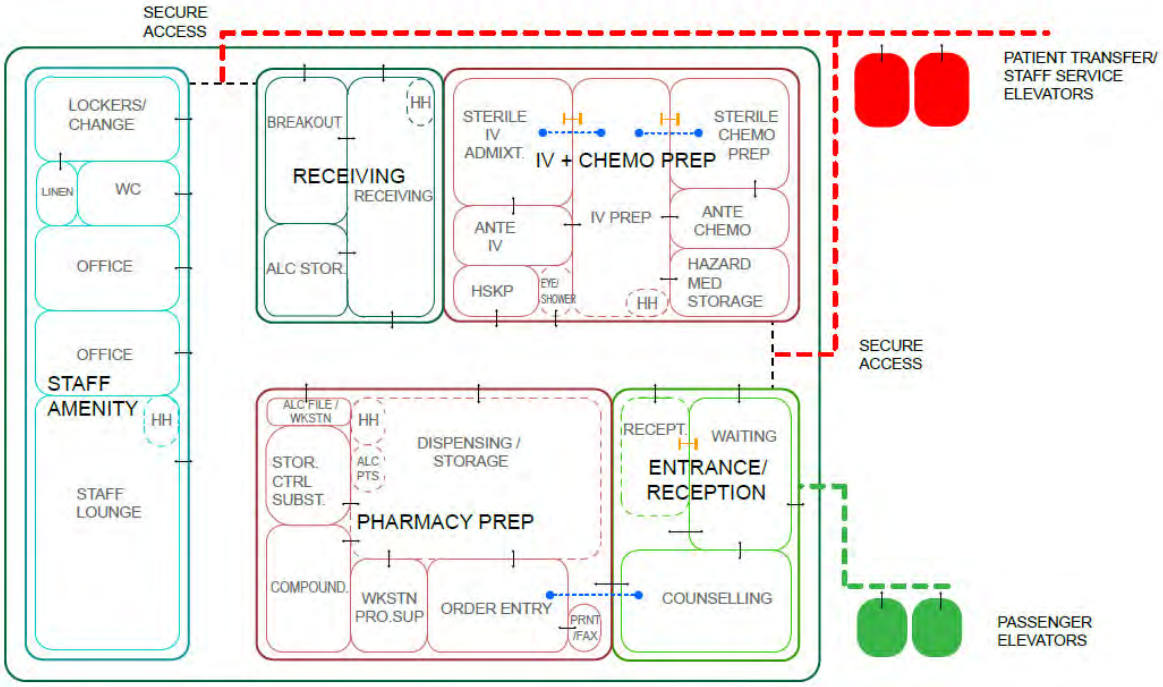
4.4.5 External Relationships

4.4.5.1 The following diagram is a summary of other Components in CMH that have a functional relationship with Pharmacy.

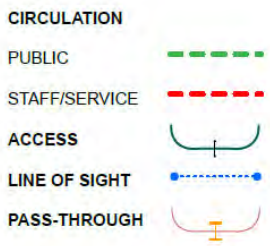


4.4.6 Component Diagram

4.4.6.1 The spatial organization of this Component will be generally as shown in the diagram below. The diagram illustrates conceptual relationships and will not be treated as a floor plan.



PHARMACY
FUNCTIONAL COMPONENT DIAGRAM



4.4.7 Schedule of Accommodation

4.4.7.1 The following provides the spaces, numbers of spaces, Net Areas, and space contents as minimum requirements. Note the indented spaces indicate the space is internally connected to the space listed above.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
D. PHARMACY					
D1 - UNIT ENTRANCE/COUNSELLING AREA					
D1.1	Waiting Room-Small	1	10.0	10.0	Public entrance and waiting area for up to 4 people. Component entry has controlled access into the secure Pharmacy area and the Counselling Room. Video intercom to speak with staff members within the Component. Manual lock, automatic door opener. Security camera.
D1.2	Reception Desk	1	5.6	5.6	Standing-height countertop, workstation, full-height enclosure from Waiting Room. Open to Pharmacy Prep Area and Order Entry. Includes pass-through window to the Waiting Room with counter adjacent to the reception desk, but located so that there is no visibility into the Pharmacy. Pass-through window can only open on one side at a time. Security camera monitoring of all entry and exit points to the Pharmacy. Data for future phone.
D1.3	Alcove-Medication Storage	1	1.5	1.5	Alcove for medication cart/cabinet for outpatient prescription medications, located close to Counselling Room and Reception Desk.
D1.4	Counselling Room	1	14.0	14.0	For up to 4 people sitting around a desk or table, accessed from the Pharmacy work areas and the Waiting Room. Door into Pharmacy access controlled by card reader. Door to Waiting Room operable only from Counselling Room side. Window to Waiting Room with privacy film. One workstation, Millwork or bookshelf for educational supplies and equipment, under-desk rolling cabinet, whiteboard, telehealth capabilities. Panic/duress system. Code white button.
TOTAL NSM: Unit Entrance/Counselling Area				**31.1**	

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
D. PHARMACY					
D2 - RECEIVING AREA					
D2.1	Breakout Room	1	12.0	12.0	Secure entrance for shipping and deboxing/breakout functions, separate from general Staff entrance. Controlled access zone, IP video surveillance. Double doors for shipping and drop-off functions with remote door release from the Order Entry Area and outside Receiving Area in secure Pharmacy zone. Video intercom system in exterior corridor for communication with Staff for deliveries. Security cameras monitoring entry door from exterior corridor side and door into secure Pharmacy zone from Breakout Room side. Provision for storage of waste and recycling.
D2.2	Receiving Room	1	8.0	8.0	Room for cleaning of product and records entry into computer system. Standing-height work counter, workstation with input device. Accessed from Breakout Room and secure Pharmacy zone.
D2.2.1	Alcove-File Storage	1	2.5	2.5	For storage of receiving documents. Printer and fax machine.
D2.3	Alcove-Hand Hygiene Sink	1	1.5	1.5	Includes hand hygiene sink, Infection Protection and Control signage. Located adjacent to area entry point from exterior corridor.
TOTAL NSM: Receiving Area				**24.0**	

D3 - PHARMACY PREP AREA					
D3.1	Order Entry Area	5	2.5	12.5	Workstations for order entry and verification. Telephone at each workstation. Quiet zone. Security camera monitor with video intercom system and remote door release for the Receiving Area.
D3.1.1	Alcove-Printer/Fax	1	1.5	1.5	Alcove for printer/fax, machine, label printer and storage of office supplies. Acoustically separated from the Order Entry Area but adjacent for easy access.
D3.2	Dispensing/Storage Area	1	32.0	32.0	Product preparation area with one workstation and label printer. Standing-height counter with shelves above and below,

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
D. PHARMACY					
					wire shelving and bins. Large monitored/alarmed fridges and freezers in close proximity to Receiving Area, medication tablet storage. Medication tablet storage to be in a U-shaped configuration. To accommodate 9.2 linear meters of metal rack storage (4.6 if double-sided access) and 4.6 linear meters of medication tablet storage. Clinical camera via iPad system.
D3.2.1	Alcove-Pneumatic Tube Station	1	1.5	1.5	Located with Convenient Access to IV and Chemo Prep Area.
D3.3	Alcove-Hand Hygiene Sink	1	1.5	1.5	Includes hand hygiene sink, Infection Protection and Control signage. Located within the Dispensing/Storage Area. Directly outside the point of entry to IV Prep.
D3.4	Workstation-Production Support	1	5.5	5.5	Workstation for packaging of equipment and supplies (dry tablets only). Located adjacent to workstation in Dispensing/Storage Area. Packaging machine creates a high-noise zone so to be located away from areas that require acoustic privacy/separation. Collocate with Compounding Area. Low Millwork counter to mount the packaging machine at an ergonomic height and Millwork cabinets for storing related supplies.
D3.5	Compounding Area	1	10.0	10.0	Includes utility sink. For preparation of ointments and compounded medications. Standing height Millwork counter with drawers for storage of supplies.
D3.6	Storage Room-Controlled Substances	1	10.0	10.0	Hand hygiene sink at entrance. Desk and workstation. Storage provisions for medications, including a monitored/ alarmed fridge and for carts. Floor-mounted controlled substances machine in room. Standing-height Millwork workstation and storage. Controlled access, entry from the Pharmacy Prep Area. Security cameras monitoring room and exterior side of door to room.
D3.7	Alcove-File Storage/Workstation	1	3.0	3.0	Located adjacent to and outside the IV Prep Room. Patient files and workstation with

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
D. PHARMACY					
					telephone. Includes bookshelf-style shelving and desk area.
TOTAL NSM: Pharmacy Prep Area				**77.5**	

D4 - IV AND CHEMO PREP AREA					
D4.1	IV Prep Room	1	26.5	26.5	Vestibule into the sterile preparation areas. Long countertop with Millwork storage above and below, workstation and printer, intercom. Book shelf. Open shelving for set-up trays. Non-classified ISO area (gowns not required). Stainless steel pass-through cabinets to Sterile IV Admixture and Sterile Chemo Prep for incoming and outgoing medications. Line of Sight into sterile admixture rooms; locate Millwork uppers near anterooms to maintain Line of Sight. Clinical camera via iPad system.
D4.2	Not Used	0	0	0	
D4.3	Emergency Shower/Eyewash	1	1.5	1.5	Located outside of IV Prep Room. Curtained area, floor drain.
D4.4	Sterile IV Admixture	1	14.5	14.5	Laminar-flow hoods (2) with adjacent power and data outlets. Rolling supply cart, positive pressure and hooks for hanging sterile gowns. Requires visual monitoring from adjacent IV Prep Room for safety. Positive Pressure. To accommodate two Staff, workstation and countertop close to pass-through for incoming and outgoing items. Direct stainless steel pass through windows/cabinet to IV Prep Room for incoming and outgoing medications. No windows to exterior. Clinical camera via iPad system.
D4.5	Anteroom-Sterile IV Admixture	1	6.5	6.5	For donning and doffing protective personal equipment. Scrub sink, wall-mounted eyewash station, bench for donning/doffing booties. Hooks for sterile gowns. Positive Pressure.
D4.6	Storage Room-Hazardous Medication	1	14.5	14.5	Separate room required for storage of all hazardous medications. Includes fridge. Negative pressure room. Open shelving for storage of supplies such as tablets, IV medications.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
D. PHARMACY					
D4.7	Sterile Chemo Prep	1	20.0	20.0	Laminar-flow hoods (2) with adjacent power and data outlets. Requires visual monitoring from adjacent IV Prep Room for safety. Negative pressure. To accommodate two Staff, two carts, workstation and countertop close to pass-through for incoming and outgoing items. Direct stainless steel pass through windows/cabinet to IV Prep Room for incoming and outgoing medications. No windows to exterior. Clinical camera via iPad system.
D4.8	Anteroom-Sterile Chemo Prep	1	8.5	8.5	For donning and doffing protective personal equipment. Scrub sink, wall-mounted eyewash station, bench for donning/doffing booties. Hooks for sterile gowns. Positive Pressure.
D4.9	Housekeeping Closet-Pharmacy	1	7.0	7.0	To house buckets, mops and extra housekeeping supplies. Includes a floor (service) sink and floor drain. Hand hygiene sink at entry. Plumbed eyewash station. Pre-mixed automatic systems for dispensing chemical supplies. Located in close proximity to the IV Prep Room, Anteroom-Sterile IV Admixture and Anteroom-Sterile Chemo Prep.
TOTAL NSM: IV and Chemo Prep Area				**99.0**	

D5 - STAFF AMENITY AREA					
D5.1	Lounge-Staff/Meeting Room	1	10.0	10.0	Seating area for 4 persons plus meeting room table. Video conferencing required, will be used as a meeting room. Located adjacent to Washroom-Staff and the Staff entrance to the Pharmacy. Kitchenette with countertop and cupboard storage, toaster, microwave, utility sink, full-size fridge, coffeemaker and dishwasher. Dining table and chairs. Soft comfortable seating and TV.
D5.2	Alcove-Hand Hygiene Sink	1	1.5	1.5	Located adjacent to Lounge-Staff. Includes hand hygiene sink, Infection Protection and Control signage.
D5.3	Office-Private	2	11.0	22.0	Workstation, desk and small meeting area.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
D. PHARMACY					
					Private office for pharmacist and technician, visiting Staff. Adjacent to a space with printer.
D5.4	Lockers/Changing Room-Staff	1	9.6	9.6	10 half-sized lockers and boot cubbies, coat hooks for jackets. Changing areas. Located adjacent to the Staff entry to the Pharmacy.
D5.5	Washroom-Staff	1	4.6	4.6	2-piece (sink, toilet).
D5.6	Alcove-Linen Cart	1	1.5	1.5	Includes data ports and electrical outlets. Adjacent to Lockers/Changing Room-Staff. Cart contains scrubs for chemotherapy drug mixing.
TOTAL NSM: Staff Amenity Area				**49.2**	

Summary of Pharmacy

D1 - UNIT ENTRANCE/COUNSELLING AREA	31.1
D2 - RECEIVING AREA	24.0
D3 - PHARMACY PREP AREA	77.5
D4 - IV AND CHEMO PREP AREA	99.0
D5 - STAFF AMENITY AREA	49.2
PHARMACY PROGRAMMED SPACE NSM:	**280.8**

4.5 E. RETAIL AND SUPPORT SERVICES

4.5.1 Overview

4.5.1.1 Planning Parameters & Assumptions

4.5.1.1(1) Large volumes of Patients and visitors will be arriving at CMH on a daily basis to attend clinics or access various services within CMH.

4.5.1.1(2) Public amenities including a coffee shop and gift shop will be provided. This will provide a familiar, non-institutional area by making it a lively destination for visitors, Patients and Staff.

4.5.1.1(3) A Multipurpose Room/EOC will be provided. This space will support special functions offered by CMH and the Community. It will be a space where family members may gather and support each other while a loved one is in hospital.

4.5.1.1(4) Health Information Management and storage will be re-located to the basement level with part of the space to be constructed as part of the Facility.

4.5.2 Functional Description

4.5.2.1 Scope Of Services

4.5.2.1(1) This Component description includes facilities developed for purposes of supporting all functions occurring in CMH.

4.5.2.1(2) Facilities located in this Component will include:

4.5.2.1(2)(a) Entrance and Public Facilities

(a).1 Multipurpose Room/EOC
(a).2 Retail-Coffee Shop
(a).3 Retail-Gift Shop

4.5.2.1(2)(b) Work Support Area:

(b).1 Storage Room-De-Icing Supplies
(b).2 IMIT Support Room
(b).3 Cart Marshalling/Staging Area
(b).4 Cart Washing Room

4.5.2.1(2)(c) Health Information Management

(c).1 Access to health records for Staff and the public (Phase 2 Renovations)
(c).2 Workstations for health records clerks, coders and transcriptionists (Phase 2 Renovations)
(c).3 Storage for health records (the Facility and Phase 2 Renovations)

4.5.3 Operational Considerations

4.5.3.1 Service Delivery Principles & Methods

4.5.3.1(1) Patient / Visitor Flow

4.5.3.1(1)(a) Large volumes of Patients and visitors will be arriving at CMH on a daily basis to attend clinics or access various services within CMH. To accommodate this, Level 1 Front of House corridor of the Facility will connect directly with the main corridor of the Existing Hospital, allowing Patients and visitors to reach services including Patient registration, information access vending machines and other amenities.

4.5.3.1(2) Hours of Operation

4.5.3.1(2)(a) The Facility's ED will accommodate the main registration desk for CMH at the Workstation-Registration, which will be operational from 07:00 to 23:00.

4.5.3.1(2)(b) The main entrance in the Existing Hospital to be completed as part of the Phase 2 renovations will be operational from 07:00 to 21:30. The main entrance will include a secondary registration desk, which will be staffed until 21:30 and also handle all switchboard calls and code notifications for CMH until that time. After 21:30, the main entrance will be closed and monitored remotely by Security, and public access will be routed to the ED entrance. All switchboard calls and codes will then be transferred to the ED Workstation-Registration, until on-site registration services close at 23:00.

4.5.3.1(2)(c) Registration and switchboard will be in available 24 hours a day, 7 days a week. Switchboard will be staffed from 07:00 to 23:00. Afterhours switchboard calls and code responses will be managed by a nursing unit. Afterhours registration will be provided by videophone linked to Royal Inland Hospital in Kamloops.

4.5.3.1(2)(d) Work Support Facilities will be staffed and operational during daytime hours.

4.5.4 Design Criteria

4.5.4.1 General Requirements

4.5.4.1(1) Retail and Support Services

4.5.4.1(1)(a) Clear and direct circulation paths are required between the Existing Hospital and the new building.

4.5.4.1(1)(b) Materials and goods movement through public areas will be avoided.

4.5.4.1(1)(c) Any point of access/egress normally accessible to the public, and that may be locked or restricted during certain times (e.g., evenings and weekends), must be equipped with an intercom system that connects directly with a switchboard that will be operational 24 hours-a-day, 7 days-a-week.

4.5.4.1(1)(d) Retail areas including the Retail-Coffee Shop and Retail-Gift Shop will be located to promote pedestrian activity and a natural gathering place for the public, Patients and Staff.

4.5.4.1(1)(e) The Gift Shop will have a full glazed storefront for maximum visibility into the shop. Sun shading will be provided if in direct sunlight to protect freezer/coolers.

4.5.4.1(2) Multipurpose Room/EOC

4.5.4.1(2)(a) A Multipurpose Room/EOC will be provided and afford a welcoming space for Patients, visitors and Staff.

(a).1 This space will support special functions offered by CMH and the community.

(a).2 It will be a space where family members may gather and support each other while a loved one is in hospital.

(a).3 The space will also serve as a staging area in the event of disaster.

(a).4 The space will have access to Direct Natural Light.

(a).5 A door to the exterior is preferred.

(a).6 The space will accommodate videoconferencing capabilities, including with monitors serving as a video wall.

(a).7 The space will have a small kitchenette to facilitate the preparation of refreshments by occupants.

(a).8 The space will have an adjoining storage room.

4.5.4.1(3) Future Health Information Management (Phase 2 Renovations)

4.5.4.1(3)(a) The Future Health Information Management area will include a reception function to provide health records to the public and Patients. The area will accommodate a small public access/waiting area off the corridor accommodating seating for two people and a transaction counter.

4.5.4.1(3)(b) The Future Health Information Management area will accommodate two health records clerk workstations and one workstation each for a coder and transcriptionist, all of which will have access to Direct Natural Light.

4.5.4.1(3)(c) Ready access to charts must be provided for clerks in the Future Health Information Management area, comparable to the access in the health records storage space on Level 1 of the Existing Hospital. Any additional storage spaces must be easily accessible.

4.5.4.1(3)(d) Within the Future Health Information Management area, acoustically separated rooms will accommodate two dictation workstations. For acoustic requirements refer to Appendix 1D [Acoustic and Noise Control Measures].

4.5.4.1(3)(e) The Future Health Information Management area will be served by a pneumatic tube station. This station will connect with the pneumatic tube system in the Facility for swift transfer of documents as needed to the ED and IPUs.

4.5.4.1(4) Storage Room-Health Records

4.5.4.1(4)(a) Storage Room-Health Records will accommodate a high-density shelving solution as well as double-door access accommodating carts to provide additional space for health records storage.

4.5.4.1(5) Work Support Area

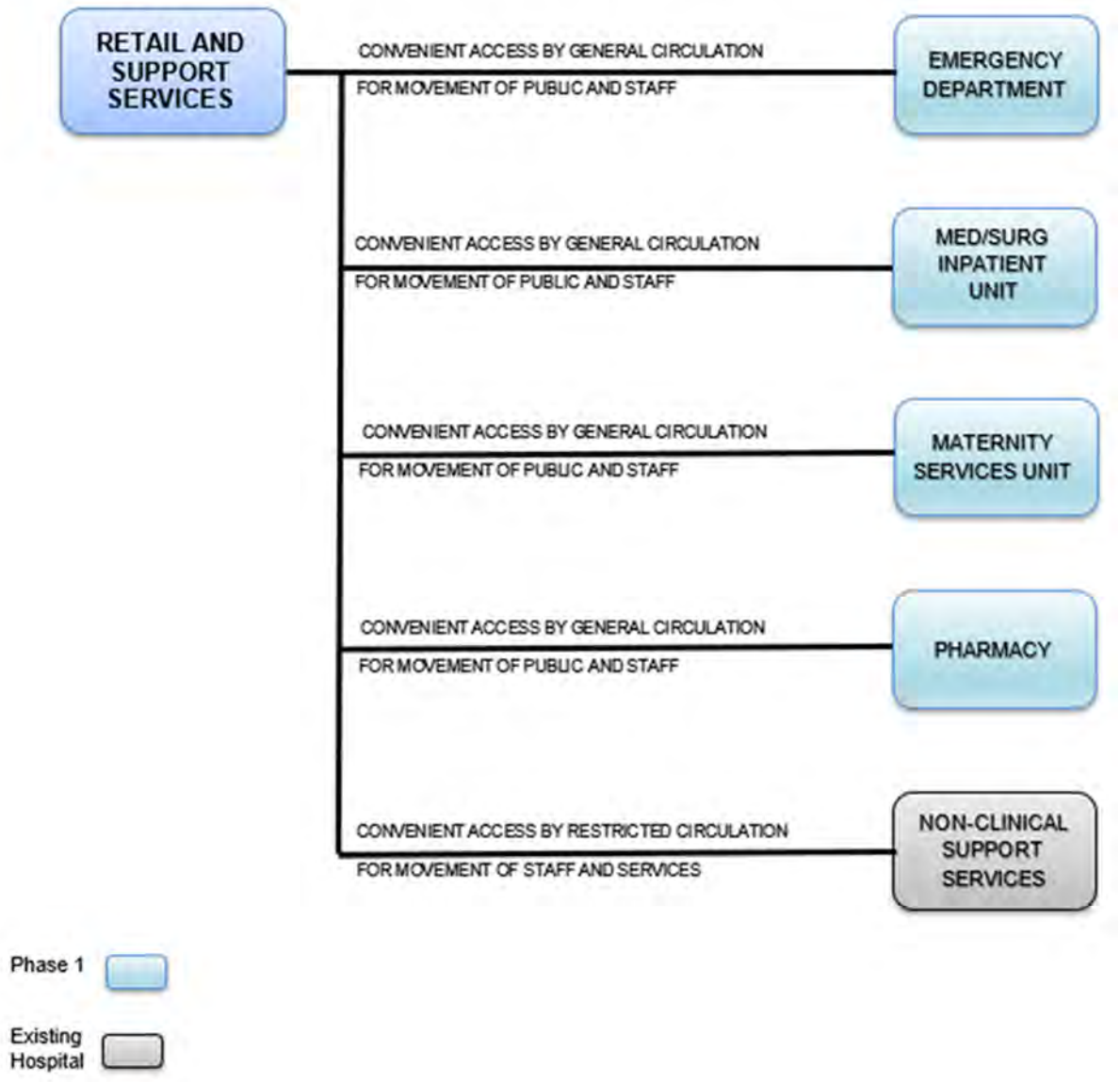
4.5.4.1(5)(a) Storage for de-icing supplies will be provided in the main entrance area.

4.5.4.1(5)(b) Specialized logistics spaces will be located on the lower floor, adjacent to the Patient Transfer/Staff Service Elevators. Carts will be brought down from the units on the floors above to a service corridor and cleaned in the Cart Washing Room, which will be equipped with a large capacity floor drain and hot/cold hose bib. The carts will then be staged in the adjacent Cart Marshalling/Staging Area to dry and remain ready until needed. The Cart Marshalling/Staging Area will be access-controlled, equipped with a floor drain and also accommodate a ride-on floor scrubber.

4.5.4.1(5)(c) An IMIT Support Room will be accommodated. This room will be used as a workroom for computer moves and new computers. It will also accommodate storage of spare printers and other IMIT equipment.

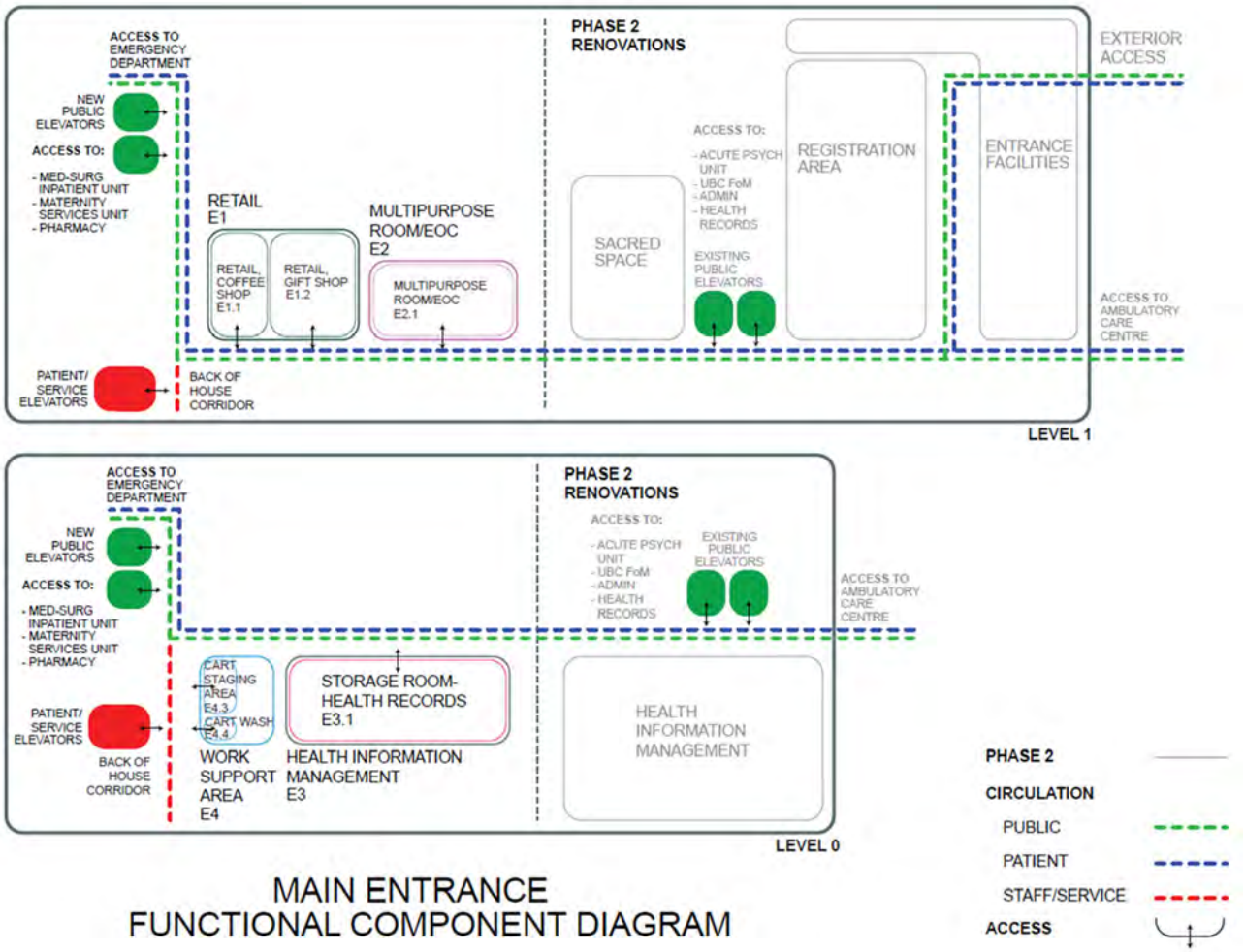
4.5.5 External Relationships

4.5.5.1 The following is a summary of the external relationships the Main Entrance, Lobby and General Support Facilities have with other Components in CMH



4.5.6 Component Diagram

4.5.6.1 The spatial organization of this Component will be generally as shown in the diagram below. The diagram illustrates conceptual relationships and will not be treated as a floor plan.



MAIN ENTRANCE
FUNCTIONAL COMPONENT DIAGRAM

4.5.7 Schedule of Accommodation

4.5.7.1 The following provides the spaces, numbers of spaces, Net Areas, and space contents as minimum requirements. Note the indented spaces indicate the space is internally connected to the space listed above.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
E. RETAIL AND SUPPORT SERVICES					
E1 - RETAIL					
E1.1	Retail-Coffee Shop	1	25.0	25.0	Shelled space for future tenant fitout, including emergency lighting and walls complete with insulation and unfinished (taped) GWB.
E1.1.1	Storage Room-Coffee Shop	1	15.0	15.0	Shelled space for future tenant fitout, including emergency lighting and walls complete with insulation and unfinished (taped) GWB.
E1.2	Retail-Gift Shop	1	35.0	35.0	Enclosed with glazing, cashier station, display shelving, coolers, display racks and glass countertop, signage; duress buttons. Sliding security grille, refer to Schedule 1 Section 6.8.6.5.
E1.2.1	Not Used	0	0	0	
E1.2.2	Storage Room-Gift Shop	1	18.0	18.0	For storage of gift shop supplies and extra stock. Millwork and safe. Direct Access from Gift Shop to Storage Room-Gift Shop and another door to corridor. Provide a coat closet with adjustable shelves, rod for coats with shelf above and storage of boots at the bottom.
TOTAL NSM: Retail				**93.0**	

E2 - MULTIPURPOSE ROOM/ EOC					
E2.1	Multipurpose Room/EOC	1	65.0	65.0	Capacity for 25 people. To accommodate use as an Emergency Operations Centre. Videoconferencing capabilities, conduit rough-in for satellite phone, electrical outlets supported by backup power, Wi-Fi booster, white board. Secured command closet 2.4 m x 1.0 m containing multiple A/C outlets, shelving and bar for hanging vests.
E2.2	Storage Room-Multipurpose Room/EOC	1	15.0	15.0	Adjacent to Multipurpose Room/EOC. Yellow EOC supply cabinet.

Ref. No.	Room Type	Area Requirements			Remarks
		units	nsm/unit	nsm	
TOTAL NSM: Multipurpose Room/EOC				**80.0**	

E3 - HEALTH INFORMATION MANAGEMENT					
E3.1	Storage Room-Health Records	1	70.0	70.0	High-density shelving solution for records filing. Double-door access for moving pallets in and out of the space. Workstation with phone, task light. [Captures to-be vacated area in existing Receiving on Level 0 used as a storage area for health records (58.4 nsm) and "dead room" health records storage]
TOTAL NSM: Health Information Management				**70.0**	

E4 - WORK SUPPORT AREA					
E4.1	Storage Room-De-Icing Supplies	1	7.0	7.0	Storage room for salt and salt spreader for de-icing. Ready access to outdoor areas.
E4.2	IMIT Support Room	1	12.0	12.0	For IMIT use as workroom for computer moves and new computers. Storage of spare printers and other IMIT equipment.
E4.3	Cart Marshalling/Staging Area	1	15.0	15.0	Located on Level 0, adjacent to the service elevators. For logistics (waste) cart drying and marshalling. To accommodate ride-on floor scrubber in a separate alcove when not in use. Large-capacity floor drain.
E4.4	Cart Washing Room	1	7.0	7.0	Wet room for washing entry floor mats, wheelchairs, walkers, stretchers, soiled carts. Large capacity floor drain, hot/cold hose bib with hose reel, wall-mounted eyewash station.
TOTAL NSM: Work Support Area				**41.0**	

Summary of Retail and Support Services

E1 - RETAIL	93.0
E2 - MULTIPURPOSE/GATHERING ROOM	80.0
E3 - HEALTH INFORMATION MANAGEMENT	70.0
E4 - WORK SUPPORT AREA	41.0
RETAIL AND SUPPORT SERVICES PROGRAMMED SPACE NSM:	**284.0**

Schedule of Accommodation for the Health Information Management areas in the Phase 2 Renovations provided for reference only.

E5 - FUTURE HEALTH INFORMATION MANAGEMENT (PHASE 2 RENOVATIONS)					
E5.1	Storage Room-Health Records-Main	1	88.2	88.2	High-density shelving solution for records filing. Double-door access. Workstation with phone, task light. Millwork for chart shelving, business supplies and kitchenette. Space for floor-mounted printer. [Captures existing health records storage area on Level 1 (88.2nsm)]
E5.1.1	Alcove-Pneumatic Tube Station	1	1.5	1.5	Acoustically isolated alcove. Convenient Access from each Workstation-Health Records Clerk. Located away from noise-sensitive work areas, including Workstation-Dictation and Workstation-Transcriptionist.
E5.2	Storage Room-Medical Imaging Records	1	24.3	24.3	To accommodate existing DI Records area (24.3 nsm). High-density shelving solution for records filing. Double-door access.
E5.3	Workstation-Health Records Clerk	2	4.6	9.2	Located within health records area in a reception function to provide health records to the public / Patients. Ready access to chart storage. Access to natural light within work area.
E5.4	Workstation-Coder	1	4.6	4.6	Located within health records area adjacent to Workstation-Health Records Clerk. Access to natural light within work area.
E5.5	Workstation-Transcriptionist	1	4.6	4.6	Located within Health Records area adjacent to Workstation-Health Records Clerk. Access to natural light within work area.
E5.6	Workstation-Dictation	2	2.5	5.0	Located within Health Records area adjacent to Workstation-Health Records Clerk. Millwork desk with shelf. Each dictation workstation in an acoustically separated room.
E5.7	Waiting-Public Access	1	6.0	6.0	Recessed area open to corridor with seating for 2 people. Directly adjacent to Workstation-Health Records Clerk/Reception.

E5 - FUTURE HEALTH INFORMATION MANAGEMENT (PHASE 2 RENOVATIONS)					
E5.8	Workstation-Health Records Clerk/Reception	1	4.6	4.6	Workstation, Millwork transaction counter and enclosed wicket with audio opening and gap below glass enclosure at standing and wheelchair-height counter levels to provide pass-through function. Directly adjacent to Waiting-Public Access to provide health records services to public and Patients. Wheelchair accessible.
TOTAL NSM: Future Health Information Management (Phase 2 Renovations)				**148.0**	

Area of Usage	Appropriateness	Justification
Substructure		
Forming/ Shutter (temporary)	Appropriate	The use of wood in this process is a traditional method of construction.
Structure		
Slab on grade	Inappropriate	The loads applied to the slab are in excess of wood's capabilities and wood is subject to rot, mould and insects such as termites, impacts that are exacerbated by proximity to the ground.
Beams	Inappropriate	Not permitted by the BC Building Code.
Columns	Inappropriate	Not permitted by the BC Building Code.
Upper Flooring	Inappropriate	Not permitted by the BC Building Code.
Roof (Penthouse)	Inappropriate	Not permitted by the BC Building Code.
Heavy Timber Structure or Non-Structural Elements	Potentially Appropriate as an Alternative Solution Approach	Although the base building structure is required to be of non-combustible construction, the Design-Builder is strongly urged to consider a heavy timber design that could be integrated as a 'secondary' structure or decorative installation for specific feature areas.
Exterior Cladding		
Roof Finish (Flat Roof)	Inappropriate	There is no known wood product for this application.
Walls above ground level	Appropriate or Potentially Appropriate as an Alternative Solution Approach	Exterior cladding, details, trims, etc., are permitted provided the interior surface of the wall assemblies are protected by a thermal barrier and the wall assembly satisfies the referenced test criteria for fire spread on exterior wall assemblies. Beyond that permitted by the BC Building Code, exterior components such as wood cladding and soffit/trims could be supported with an Alternative Solution approach incorporating fire-retardant treated wood (FRTW) and/or exterior sprinkler protection strategies (where warranted). Wood materials on soffits could extend to exterior wood on main building elevations. Alternative Solution strategies should consider the use of FRTW products and/or automatic sprinkler protection.
Exterior Windows	Inappropriate	Ability to clean and water/chemical resistance are paramount in this location.
Curtain Wall	Inappropriate	There is no known wood product for this application.
Exterior Doors and Screens	Appropriate	Wood doors and screens can be used in low traffic areas.
Roof Accessories (parapet, cant	Appropriate	Wood permitted

Area of Usage	Appropriateness	Justification
strips, plywood backing)		
Interior Partitions and Doors		
Partition Studding	Inappropriate	Not permitted by the BC Building Code.
Interior Doors	Appropriate for offices Inappropriate for ORs and MDR	Framing, core and facing of door can be wood for locations not requiring greater than a 90 minute fire resistance rating. Wood doors in high metal cart and material transport traffic areas and high humidity areas like the clinical and MDR areas would be inappropriate.
Vertical Movement		
Stairs (Structural)	Inappropriate	Not permitted by the BC Building Code.
Stairs (treads, risers)	Inappropriate	Not permitted by the BC Building Code.
Guardrails	Appropriate for non-exit stairs	Wood can be used in these locations where there is a low to medium risk of impact.
Handrails	Appropriate	Wood permitted.
Fittings and Equipment		
Hardwood Floor	Appropriate	Wood could be used in certain non-clinical locations as a floor finish; this would be limited to high end finished areas not subject to low acoustic or high usage requirements. BC Building Code requirements would have to be met.
Ceiling Tiles	Appropriate	Wood could be used in ceiling tiles for aesthetic requirements in certain, non-clinical areas within the building provided that they are not more than 25 mm thick with a flame spread rating not more than 25, and except for not more than 10% of ceiling area in a fire compartment is permitted to have an FSR of up to 150. This would be limited to high end finished areas not subject to low acoustic or high usage requirements.
Wall Finish	Appropriate	Wood could be used as a wall finish meeting aesthetic and acoustic requirements in certain, non-clinical areas within the building provided that they are not more than 25 mm thick with a FSR of not more than 150. This would be limited to high end finished areas not subject to acoustic and high usage requirements. Beyond that permitted by the BC Building Code, interior finishes could be supported with an Alternative Solution approach incorporating other considerations/features such as specific geometry/location of wood, potential fire exposure potential and enhanced fire suppression systems for the area.
Toilet Partitions	Appropriate	The core material for the partitions can be made from wood particles.
Signs	Appropriate	The base material on which the sign is mounted can be wood.

Area of Usage	Appropriateness	Justification
Loose Equipment (Desks, chairs, etc.)	Appropriate	The core material for the desks, chairs, etc., can be made from particle and complete wood substrate except where CSA standards require non-porous materials, such as in MDR, the Sterile Core and the ORs.
Fixed Equipment (Millwork)	Appropriate	Frames, core material, doors and substrate for millwork can be constructed with wood. This includes show windows, aprons/backing, shelves, cabinets and counters.
Modular Benches	Inappropriate	Stainless steel required in MDR.
Specialized Equipment	Inappropriate	Clinical equipment and associated environment cannot utilise wood as these environments need to be inert.
Blocking within walls	Appropriate	For attachment of handrails, accessories and similar interior finish items mounted on the surface of walls.
Nailing Elements	Appropriate	Wood nailing elements attached directly to or set into a non-combustible backing for the attachment of interior finishes are permitted provided there is no air space of more than 50 mm thick.
Mechanical		
None Known		
Electrical		
None Known		
Site Development		
Landscaping (Architectural, decorative, site furnishings, etc.)	Appropriate	Wood could be used in Landscaped areas for Art and Architectural features.
Contractor		
Site establishment	Appropriate	Where appropriate, Design-Builder will endeavour to utilise materials of wood and wood derivative for its Site establishment.

Appendix 1C - Minimum Room Requirements

ROOM NAME	PROGRAM NUMBERS
Alcove-Blanket Warmer	A3.23 B3.10 B6.14 C4.8
Alcove-CR Reader Workstation	B7.4
Alcove-Crash Cart	A3.25 B3.12 B6.16 C4.10
Alcove-Equipment-Small	A3.7.1 A3.11.1 C2.2
Alcove-Equipment	B3.11 B6.15
Alcove-Equipment-Large	A3.28 A4.12
Alcove-File Storage	D2.2.1
Alcove-File Storage/Workstation	D3.7
Alcove-Food Cart	A3.26 B3.13 B6.17 C4.11
Alcove-Hand Hygiene Sink	A3.21 A4.7 A7.4 B1.1.2 B3.14 B4.4
	B6.3 B6.18 B8.2 C3.4 C5.2 D2.3
	D3.3 D5.2
Alcove-Hose Bib	A3.9
Alcove-Linen Cart	A3.24 B3.9 B6.13 B8.3 C4.9 D5.6
Alcove-Medication Storage	D1.3
Alcove-Nourishment	A3.27 B3.15 B6.20 C4.12
Alcove-Observation	B2.5 B5.5
Alcove-Pneumatic Tube Station	A3.17.1 A4.2.1 B4.2.1 C3.2.1 D3.2.1
Alcove-Portable X-Ray Machine	B7.5
Alcove-PPE (Outbreak Control)	B3.8
Alcove-Printer/Fax	D3.1.1
Alcove-Registration Kiosk	A1.8
Alcove-Respiratory Station	A1.1.1 B1.1.1 C1.1.1
Alcove-Vending Machine	A1.9
Alcove-Visitor Phone	A1.10
Alcove-Wheelchair/Stretcher	A1.13 B4.11 B6.19 C4.13
Alcove-Workstation	A3.10
Anteroom-AIR	A3.1.1 A3.5.1 B2.4.1 B5.4.1 C2.5.1
Anteroom-Decontamination- Donning	A2.2.3
Anteroom-Sterile Chemo Prep	D4.8
Anteroom-Sterile IV Admixture	D4.5
Breakout Room	D2.1
Breastfeeding Equipment Cleaning Station	C4.7
Care Team Station-Large	A3.17 B4.2
Care Team Station	C3.2
Care Team Station-Small	B6.2
Care Team Station-Satellite	A4.2
Cart Marshalling/Staging Area	E4.3
Cart Washing Room	E4.4
Cast Room	A3.11
Child Playroom	A1.7.2
Compounding Area	D3.5
Consultation/Interview Room	A3.12
Counselling Room	D1.4
Covered Ambulance Drive-Through	A2.1
Decontamination Room	A2.2
Dispensing/Storage Area	D3.2
Emergency Shower/Eyewash	D4.3
Exam Room-Triage	A1.5
Exam Room-Triage/Observation	C2.1
Exam/Treatment Bay-Streaming	A4.5
Exam/Treatment Room	A3.2
Exam/Treatment Room-Bariatric	A3.4
Exam/Treatment Room-Bariatric-AIR	A3.5
Exam/Treatment Room-Gyne	A3.6

ROOM NAME	PROGRAM NUMBERS
Exam/Treatment Room-HEENT	A3.7
Exam/Treatment Room-Maternity	C2.7
Exam/Treatment Room-Safe	A3.3
Exam/Treatment Room-Streaming	A4.4
Family Quiet Room	A3.22
Family Room	C4.15
Holding Area-Ambulance Stretcher Triage	A1.6
Holding Room-Soiled	A6.3 B4.9 B6.11 C4.4
Housekeeping Closet	A6.5
Housekeeping Closet-Pharmacy	D4.9
Housekeeping Room	A6.4 B3.7 B6.12 C4.5
IMIT Support Room	E4.2
Interview Room-Triage	A1.4
Isolette Cleaning Room	C4.14
IV Prep Room	D4.1
Lockers/Changing Room-Staff	D5.4
Lockers/Storage-Staff	A1.11.1
Lockers-On-Call	A7.6
Lockers-Staff	A7.1.1 B8.1.1 C5.1.1
Lounge-Staff-Large	A7.1
Lounge-Staff	B8.1 C5.1
Lounge-Staff/Meeting Room	D5.1
Medication Room	A3.20 B3.4 B6.8
Medication Room-Maternity	C3.3
Meeting Room	A5.1 C5.3
Meeting Room-Large	B4.7
Multipurpose Room/EOC	E2.1
Multipurpose Room-Family	B7.6
Observation/Holding Room	A3.13
Office-Aboriginal Patient Navigator	A1.12
Office-Private	A5.2 B4.5 C5.4 D5.3
Office-Security	A1.11
Office-Shared	A5.3 B4.6 B6.4 C5.5
Office-Shared, ET	B4.8
On-Call Room	A7.5 C5.6
Order Entry Area	D3.1
Patient Room-Private	B2.1 B5.1
Patient Room-Private-Bariatric	B2.3 B5.3
Patient Room-Private-Bariatric-AIR	B2.4 B5.4
Patient Room-Private-Nursery	C2.8
Patient Room-Private-SRMC	C2.4
Patient Room-Private-SRMC-Bariatric-AIR	C2.5
Patient Room-Private-Women's Health	C2.6
Patient Room-Shared	B2.2 B5.2
Receiving Room	D2.2
Reception Desk	D1.2
Rehabilitation Room-Satellite	B7.1
Resuscitation Room	A3.1
Retail-Coffee Shop	E1.1
Retail-Gift Shop	E1.2
Satellite Lab Collection Area	A4.8
Satellite Lab Work Area	A4.9
Satellite Nourishment	A4.11
Secure Room	A3.8
Sterile Chemo Prep	D4.7

NAME	PROGRAM NUMBERS
Sterile IV Admixture	D4.4
Storage Room-Coffee Shop	E1.1.1
Storage Room-Controlled Substances	D3.6
Storage Room-De-Icing Supplies	E4.1
Storage Room-Equipment-Small	B7.1.1
Storage Room-Equipment	B3.3 B6.7 C4.1
Storage Room-Equipment-Large	A6.6
Storage Room-Gift Shop	E1.2.2
Storage Room-Hazardous Medication	D4.6
Storage Room-Health Records	E3.1
Storage Room-Multipurpose Room/EOC	E2.2
Storage Room-Police/EMS	A2.3
Tub/Shower Room	B7.2
Utility Room-Clean	B3.5 B6.9
Utility Room-Clean-Large	C4.2
Utility Room-Clean-Xlarge	A6.1
Utility Room-Soiled	A6.2 B3.6 B6.10 C4.3
Vestibule-Ambulance Entrance	A2.1.1
Vestibule-Walk-In Entrance	A1.1
Waiting Area	A4.1
Waiting Area-General	A1.7
Waiting Room-Small	D1.1
Waiting Room	C1.1
Waiting Room-Large	B1.1
Washroom/Shower/Tub-Ensuite	C2.4.1
Washroom/Shower/Tub-Ensuite-AIR	C2.5.2
Washroom/Shower-Ensuite	B2.1.1 B5.1.1 C2.6.1 C2.8.1
Washroom/Shower-Ensuite-Bariatric	B2.3.1 B5.3.1
Washroom/Shower-Ensuite-Bariatric-AIR	B2.4.2 B5.4.2
Washroom/Shower-Ensuite-Shared	B2.2.1 B5.2.1
Washroom/Shower-Patient	A2.2.2
Washroom/Shower-Patient-Bariatric	A3.15
Washroom/Shower-Patient-Bariatric-AIR	A3.5.2
Washroom/Shower-Patient-Gyne	A3.6.1
Washroom/Shower-Staff	A2.2.4 A7.3 A7.7 B8.4 C5.7
Washroom-Patient	A3.14 A4.6 C2.9
Washroom-Patient-Bariatric	B7.7
Washroom-Public	A1.14 B1.2 C1.2
Washroom-Public-Bariatric	A1.15
Washroom-Staff	A2.5 A7.2 B3.2 B6.6 C5.8 D5.5
Workroom-Biomed	B7.3
Workroom-Business Machine	A1.3 B4.3 C3.6
Workroom-Care Team-Small	B6.2.2 C3.2.2
Workroom-Care Team	B4.2.2
Workroom-Care Team-Large	A3.17.2
Workroom-Pneumatic Tube Station	B4.10
Workstation-Central Monitoring	A3.18
Workstation-Clinician	A1.6.1
Workstation-Learner	A3.17.3 B4.2.3 C3.2.3
Workstation-Production Support	D3.4
Workstation-Registration	A1.2
Workstation-Touchdown	A3.19 A4.3 B3.1 B6.5 C2.3 C3.5
Workstation-Unit Clerk	A3.16 B4.1 B6.1 C3.1

MRR Abbreviations

Architectural - *Wall and Ceiling Finishes*

GWB	Gypsum Board
ARGWB	Abuse-Resistant Gypsum Board
IRGWB	Impact-Resistant Gypsum Board
MRGWB	Moisture-Resistant Gypsum Board
IMRGWB	Impact and Moisture-Resistant Gypsum Board
MMRGWB	Moisture and Mould-Resistant Gypsum Board
SACT	Suspended Acoustic Ceiling Tile
SSACT	Suspended Security Acoustic Ceiling Tile

Mechanical - *Medical Gases*

Med Air	Medical Air
Med Vac	Medical Vacuum
N2O	Nitrous Oxide
N2	Nitrogen
CO2	Carbon Dioxide
AGSS	Anaesthetic Gas Scavenging Systems

Electrical

Receptacle Types

D	Duplex
Q	Quad
D-USB	Duplex w. USB
Q-USB	Quad w. USB
LO	30A, 208V Laser Outlet
TL	20A, 208V Twist Lock
HSKP	15A/20A, 120V Housekeeping

IMIT

IMIT Types

I	Active
IA	Inactive
C	Coaxial
NC	Nurse Call
PM	Patient Monitoring Outlet

Nurse Call Station Types

PS	Patient Station
2/3B	2/3 Button Station
4B	4-Button Station Single Gang
VST	VoIP Staff Terminal/Station
DS	Duty Station
MCS	Master Control Station (full feature)
EPCA	Electronic Pull-Cord Station

Code Calls

CB	Code Blue
CW	Code White
CP	Code Pink
SA	Staff Assist
RR	Room Ready
PA	Patient Assist

Camera Resolution

ID	Identification
RC	Recognition
OB	Observation

Door Access

CR	Card Reader
KP	Keypad
CR+KP	Card Reader + Keypad

Request to Exit

MS	Motion Sensor
HW Div.8	In Hardware (Div. 8)
HFS	Hands-Free Sensor

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Blanket Warmer
Average Occupancy: 0

Program Number(s):

1. A3.23	4. C4.8	7.	10.	13.	16.
2. B3.10	5.	8.	11.	14.	17.
3. B6.14	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

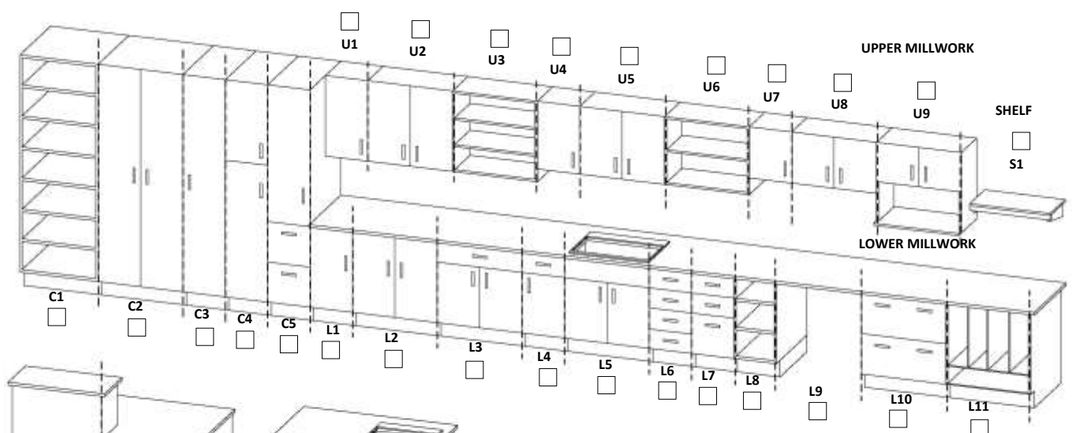
Other features: ☐ Security Grille ☐ Anti-barricade strategy

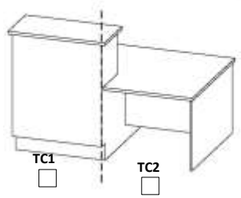
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

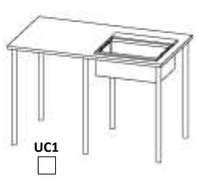
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2													
Conditional 3													
Delayed Vital	D	2	Warmer										
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-CR Reader Workstation
Average Occupancy: 1

Program Number(s):

1. B7.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						[ ]	[ ]		[ ]
						[ ]	[ ]		[ ]

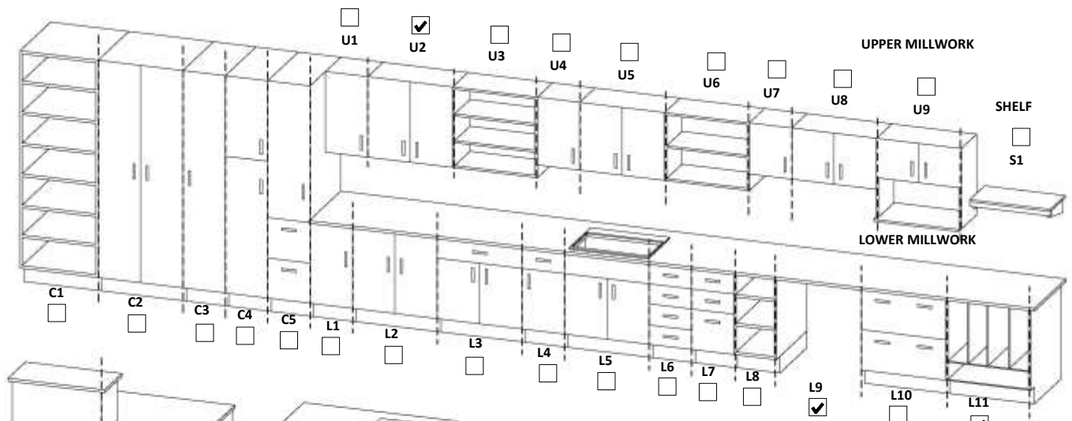
Other features: [ ] Security Grille [ ] Anti-barricade strategy

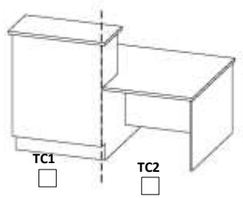
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

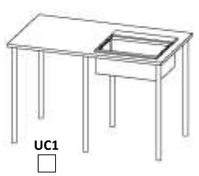
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1200	[ ]	[x]	[ ]	[x]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS	D	1	Touchdown station										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

- [x] Lighting Control

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General Qty.	F1	F2	F3	F4	Headwall 1 Qty.	F1	F2	F3	F4	Headwall 2 Qty	F1	F2	F3	F4	Headwall 3 Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Crash Cart
Average Occupancy: 0

Program Number(s):

1. A3.25	4. C4.10	7.	10.	13.	16.
2. B3.12	5.	8.	11.	14.	17.
3. B6.16	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☑ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

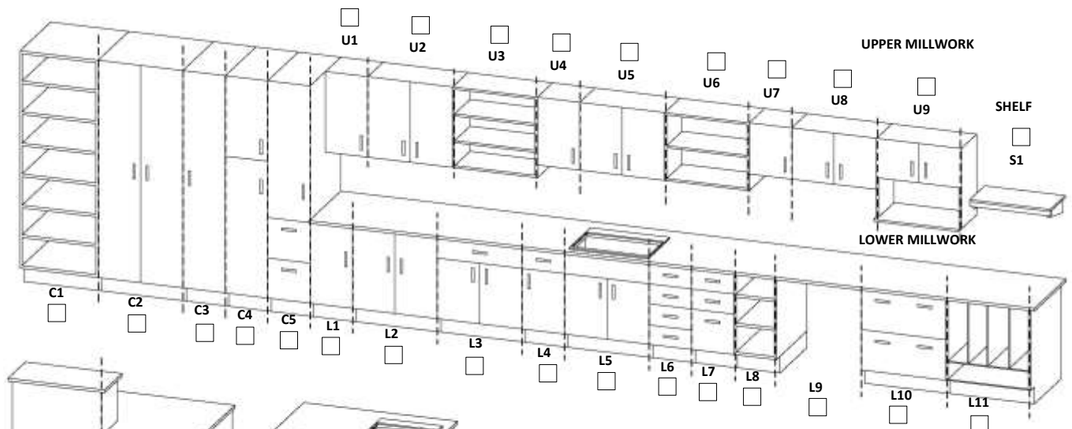
Other features: ☐ Security Grille ☐ Anti-barricade strategy

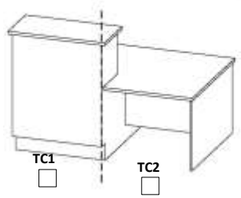
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

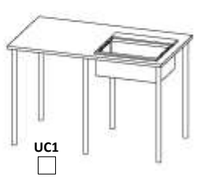
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	3	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Equipment
Average Occupancy: 0

Program Number(s):

1. B3.11	4.	7.	10.	13.	16.
2. B6.15	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☑ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

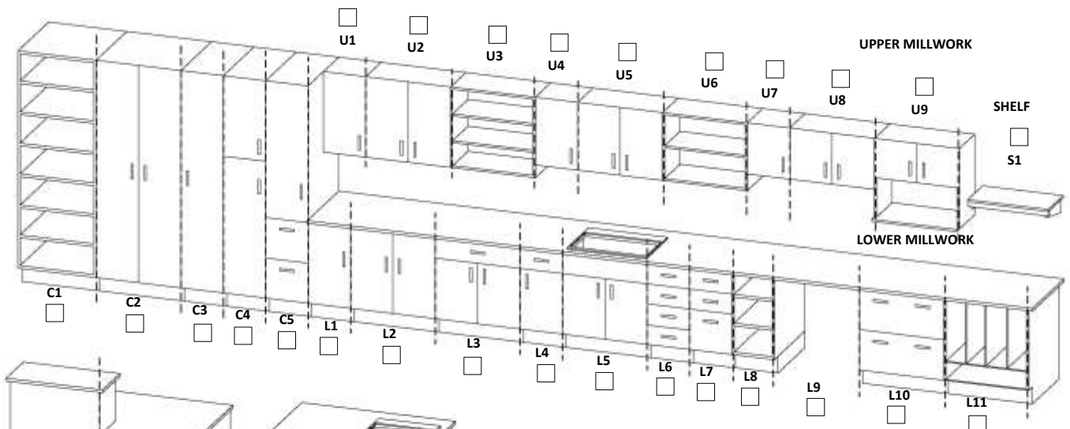
Other features: ☐ Security Grille ☐ Anti-barricade strategy

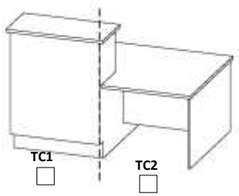
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

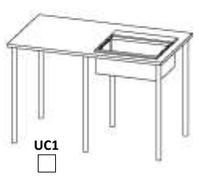
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	3	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Equipment-Large
Average Occupancy: 0

Program Number(s):

1. A3.28	4.	7.	10.	13.	16.
2. A4.12	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Crash Rails
- ☐ Hand Rails
- ☑ Sheet
- ☐ Chair Rail
- ☐ Bed Bumper / Locator
- ☐ Wall Padding

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

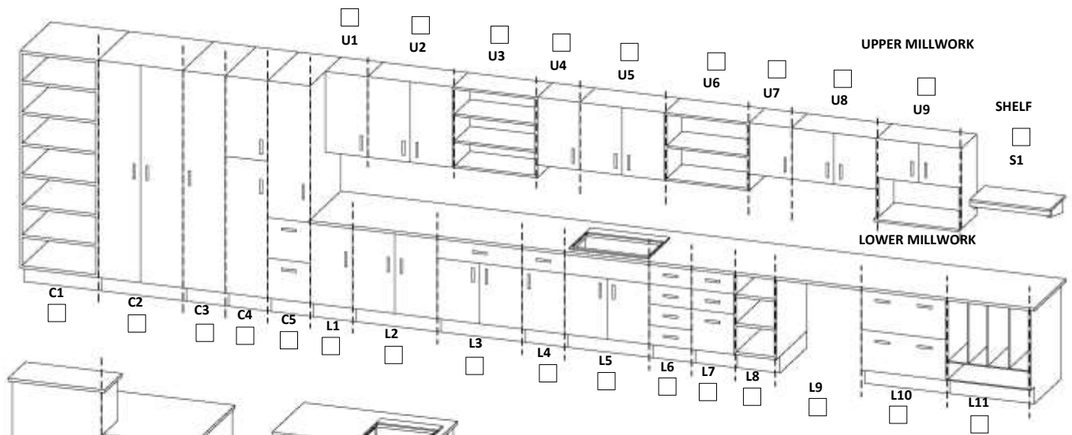
Other features: ☐ Security Grille ☐ Anti-barricade strategy

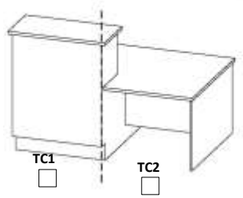
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

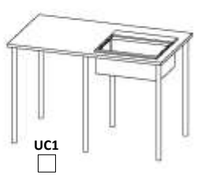
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	4	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	ECG										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Equipment-Small
Average Occupancy: 0

Program Number(s):

1. A3.7.1	4.	7.	10.	13.	16.
2. A3.11.1	5.	8.	11.	14.	17.
3. C2.2	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Crash Rails
- ☐ Hand Rails
- ☑ Sheet
- ☐ Chair Rail
- ☐ Bed Bumper / Locator
- ☐ Wall Padding

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

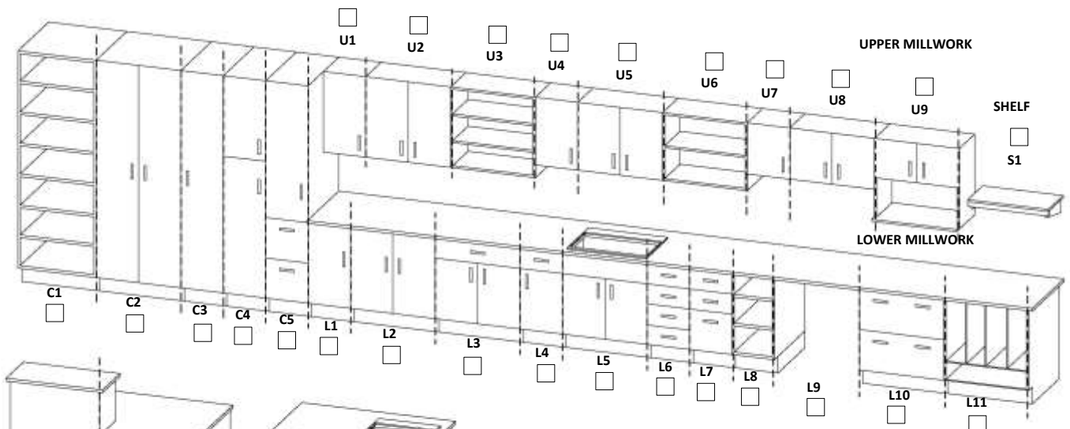
Other features: ☐ Security Grille ☐ Anti-barricade strategy

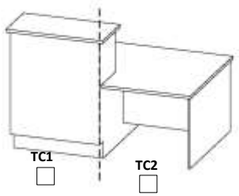
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

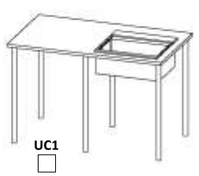
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	3	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-File Storage
Average Occupancy: 0

Program Number(s):

1. D2.2.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

GLAZING TYPES

Exterior:	Interior

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

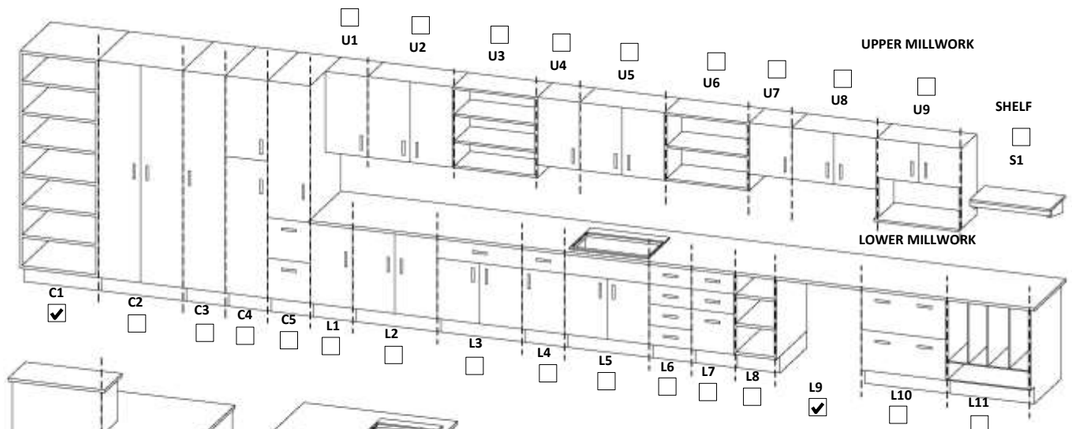
Other features: ☐ Security Grille ☐ Anti-barricade strategy

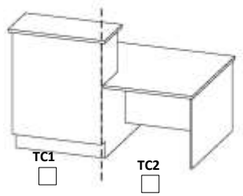
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

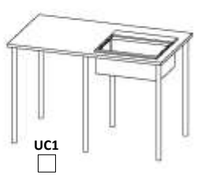
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-File Storage/Workstation
Average Occupancy: 1

Program Number(s):

1. D3.7	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

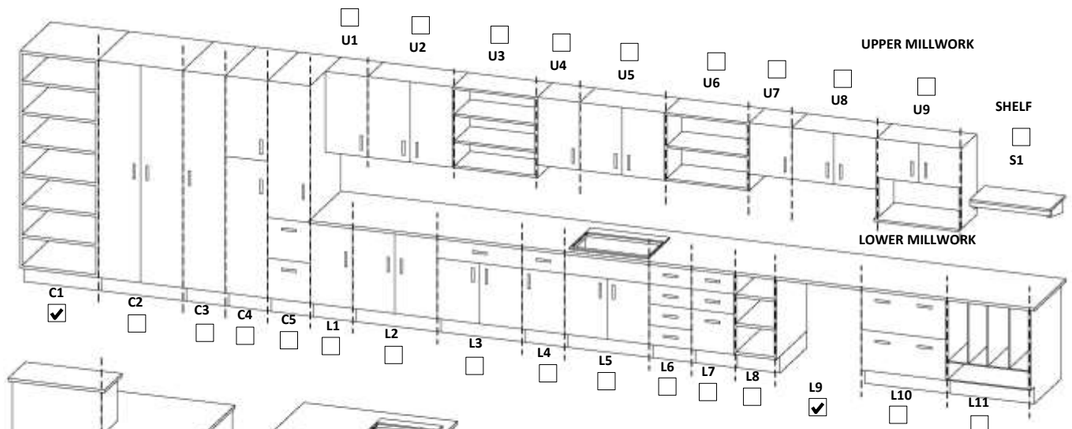
Other features: ☐ Security Grille ☐ Anti-barricade strategy

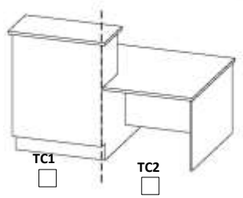
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☑ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Using ceiling PA speakers for background music. Allow for override of music in case of fire alarm or PA announcement

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Food Cart
Average Occupancy: 0

Program Number(s):

1. A3.26	4. C4.11	7.	10.	13.	16.
2. B3.13	5.	8.	11.	14.	17.
3. B6.17	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

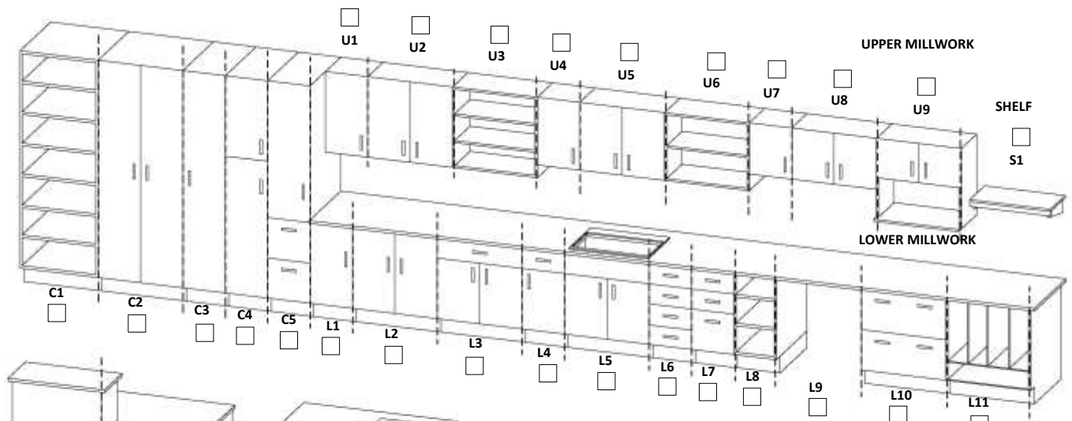
Other features: ☐ Security Grille ☐ Anti-barricade strategy

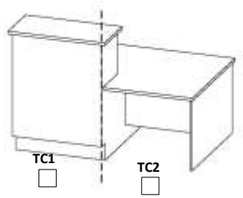
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

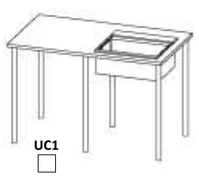
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

Unless located within a secured Staff only area, provide millwork cabinet doors for soiled food carts with keypad lock set.

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Hand Hygiene Sink
Average Occupancy: 0

Program Number(s):

1. A3.21	4. B1.1.2	7. B6.3
2. A4.7	5. B3.14	8. B6.18
3. A7.4	6. B4.4	9. B8.2
10. C3.4	13. D3.3	16.
11. C5.2	14. D5.2	17.
12. D2.3	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks: Provide mirror for D3.3.

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

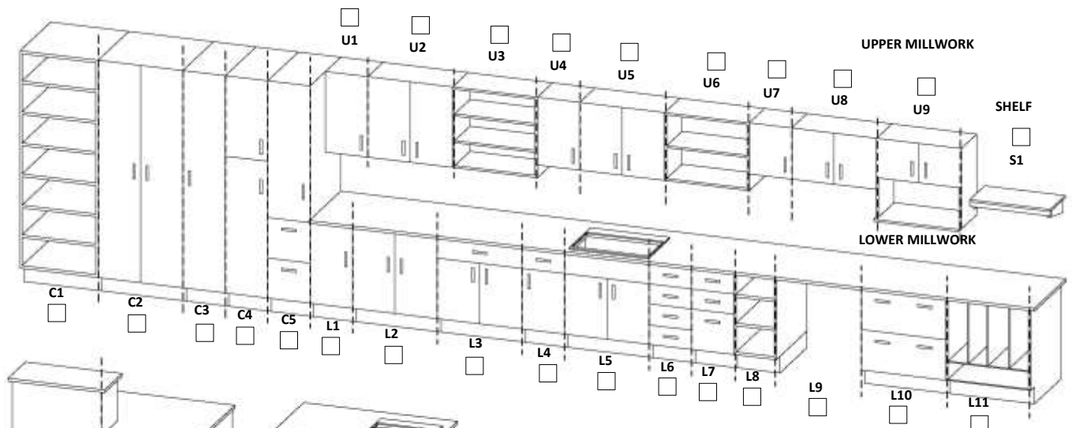
Other features: ☐ Security Grille ☐ Anti-barricade strategy

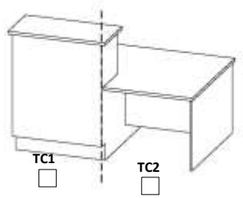
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

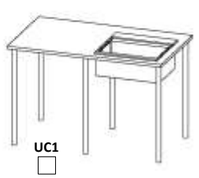
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Hose Bib
Average Occupancy: 0

Program Number(s):

1. A3.9	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

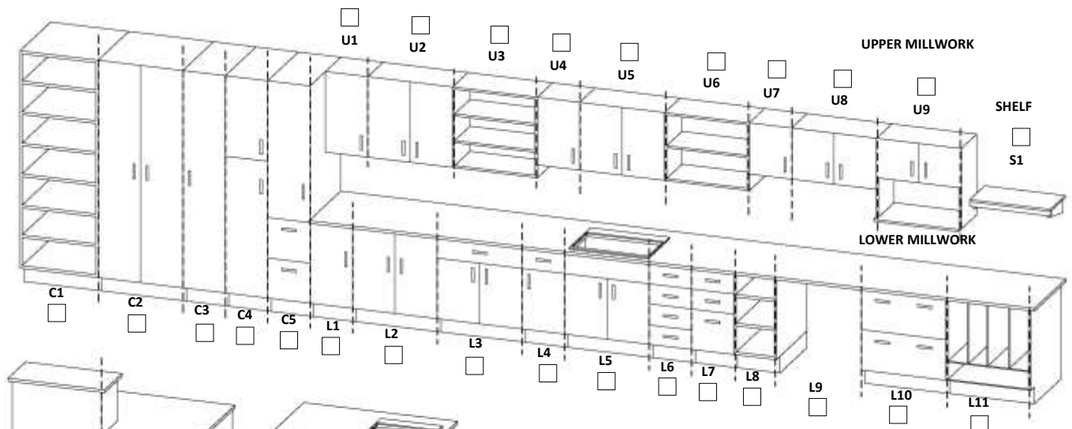
Other features: ☐ Security Grille ☐ Anti-barricade strategy

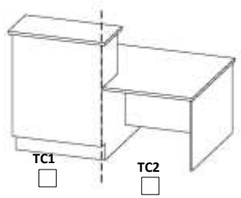
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other: Hose bib

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Linen Cart
Average Occupancy: 0

Program Number(s):

1. A3.24	4. B8.3	7.	10.	13.	16.
2. B3.9	5. C4.9	8.	11.	14.	17.
3. B6.13	6. D5.6	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Crash Rails
- ☐ Hand Rails
- ☑ Sheet
- ☐ Chair Rail
- ☐ Bed Bumper / Locator
- ☐ Wall Padding

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

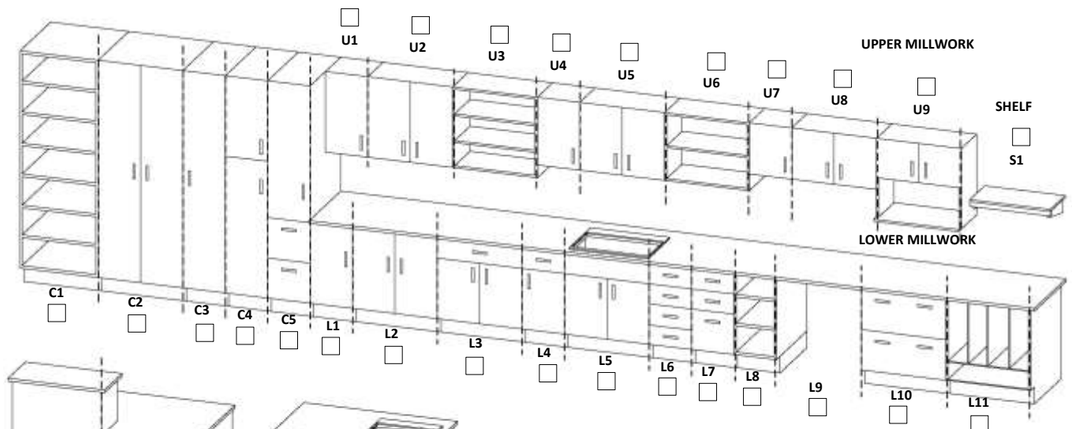
Other features: ☐ Security Grille ☐ Anti-barricade strategy

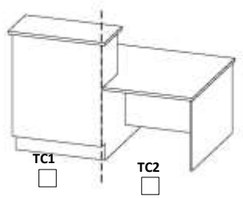
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

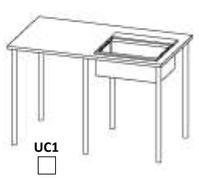
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Medication Storage
Average Occupancy: 0

Program Number(s):

1. D1.3	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☑ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

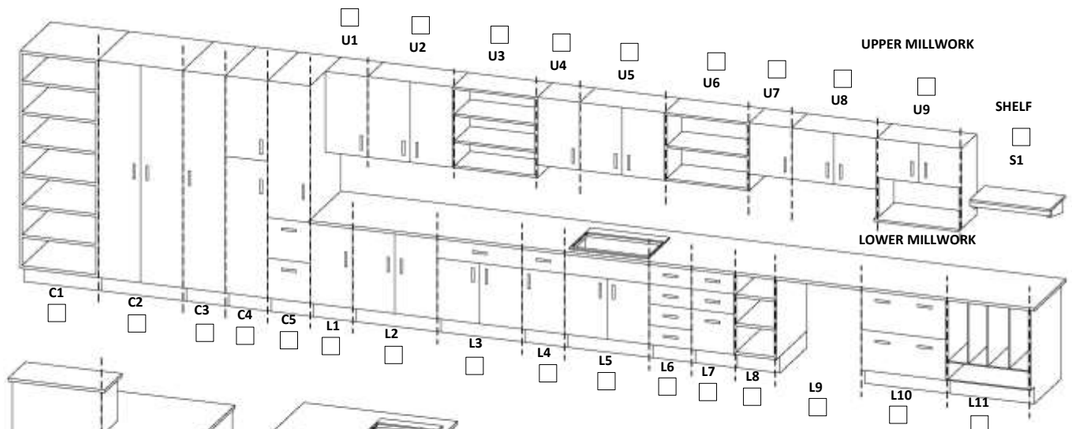
Other features: ☐ Security Grille ☐ Anti-barricade strategy

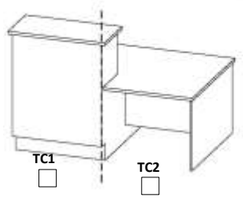
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

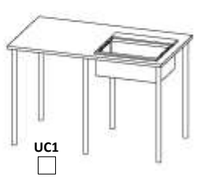
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type:

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1													
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Nourishment
Average Occupancy: 2

Program Number(s):

1. A3.27	4. C4.12	7.	10.	13.	16.
2. B3.15	5.	8.	11.	14.	17.
3. B6.20	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

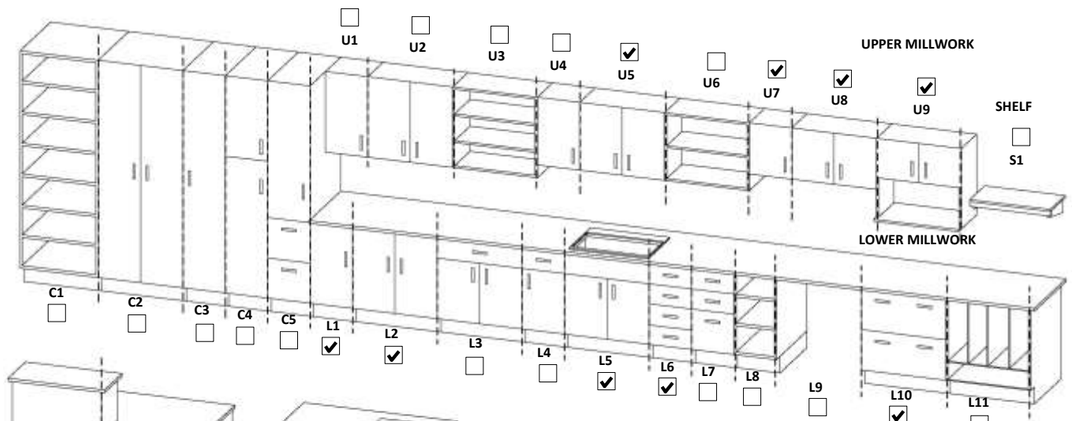
Other features: ☐ Security Grille ☐ Anti-barricade strategy

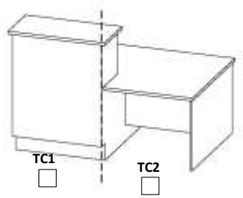
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

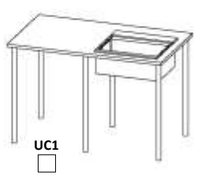
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3395	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

L10 for B3.15 and B6.20 only, U7 for A3.27 and C4.12 only

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Double Bowl	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☑ Ice Maker
- ☐ Water Closet
- ☑ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other: Coffee maker

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

☑ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2	D	6	Above counter for kitchen appliances										
Conditional 3	D	3											
Delayed Vital	D	1	Fridge										
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☑ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Observation
Average Occupancy: 1

Program Number(s):

1. B2.5	4.	7.	10.	13.	16.
2. B5.5	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-2

WINDOW TREATMENT

Exterior:	Interior
	Integral Blinds

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

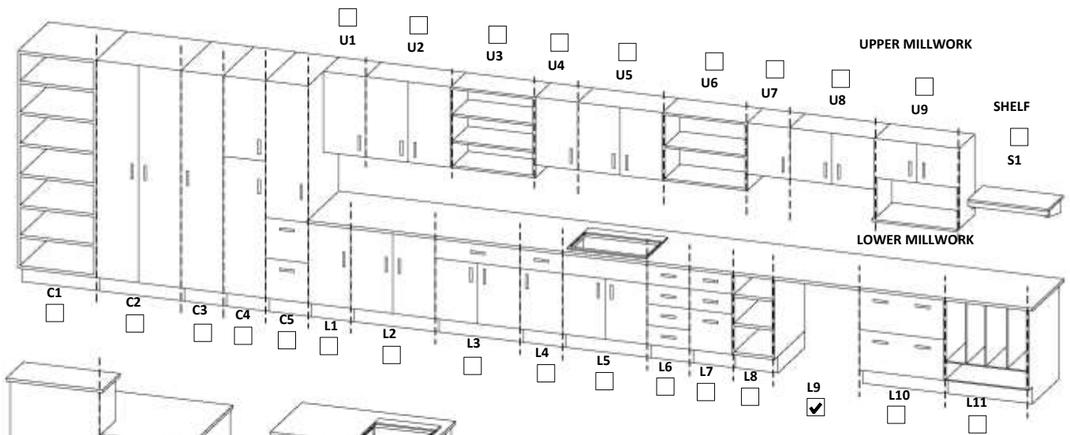
Other features: ☐ Security Grille ☐ Anti-barricade strategy

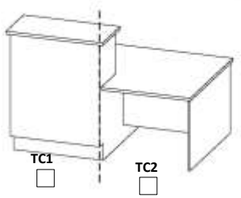
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

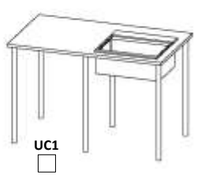
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1500	☑	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	Q	1	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☑ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Dedicated dimmer for alcove light, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Audible into rooms

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Pneumatic Tube Station
Average Occupancy: 1

Program Number(s):

1. A3.17.1	4. C3.2.1	7.	10.	13.	16.
2. A4.2.1	5. D3.2.1	8.	11.	14.	17.
3. B4.2.1	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

A	A2	B	B2	C	C2	D	D2	E	E2	F	F2	G	H	J	K	L

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

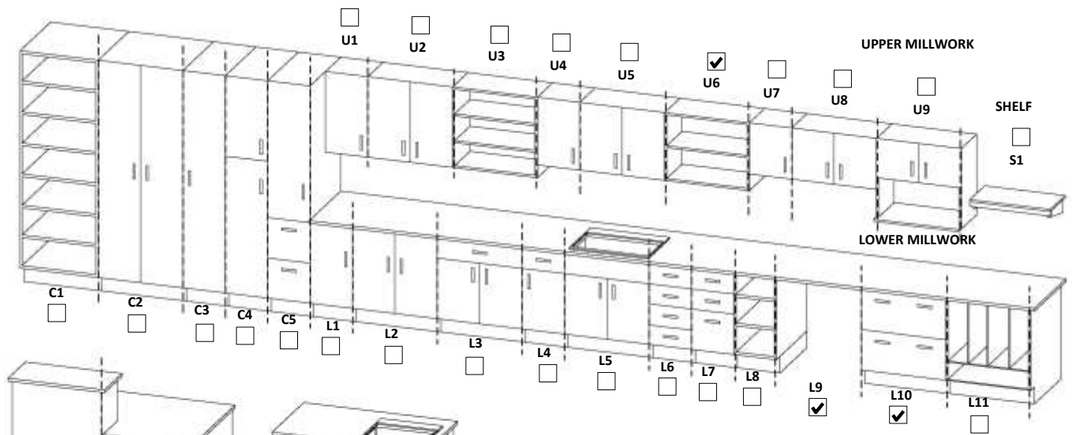
Other features: ☐ Security Grille ☐ Anti-barricade strategy

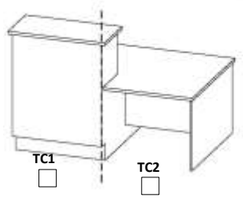
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

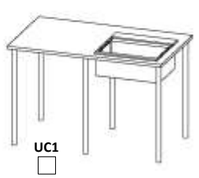
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1500	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Tube station										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Portable X-Ray Machine
Average Occupancy: 1

Program Number(s):

1. B7.5	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Crash Rails
- ☐ Hand Rails
- ☑ Sheet
- ☐ Chair Rail
- ☐ Bed Bumper / Locator
- ☐ Wall Padding

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

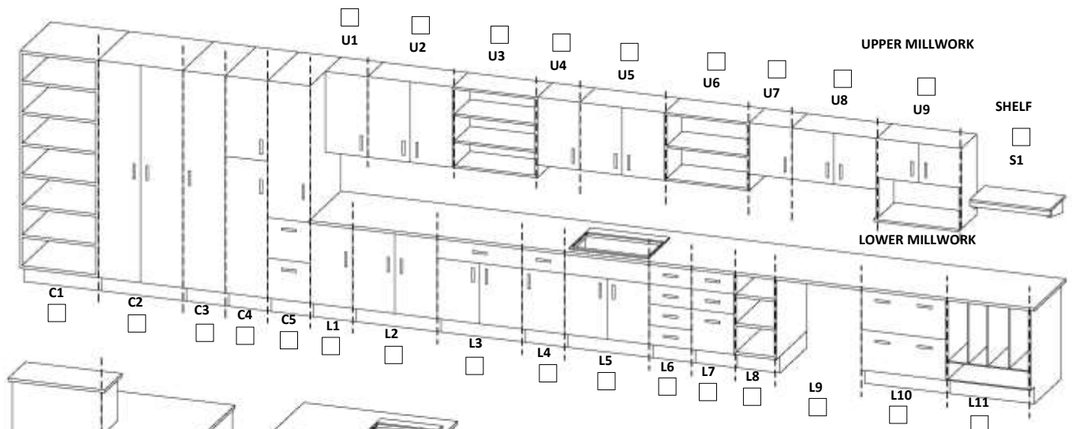
Other features: ☐ Security Grille ☐ Anti-barricade strategy

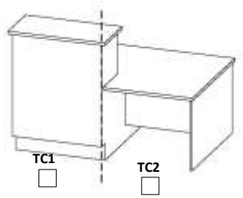
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

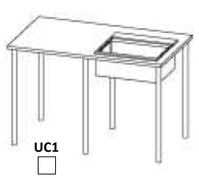
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-PPE (Outbreak Control)
Average Occupancy: 1

Program Number(s):

1. B3.8	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [x] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

A	A2	B	B2	C	C2	D	D2	E	E2	F	F2	G	H	J	K	L

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

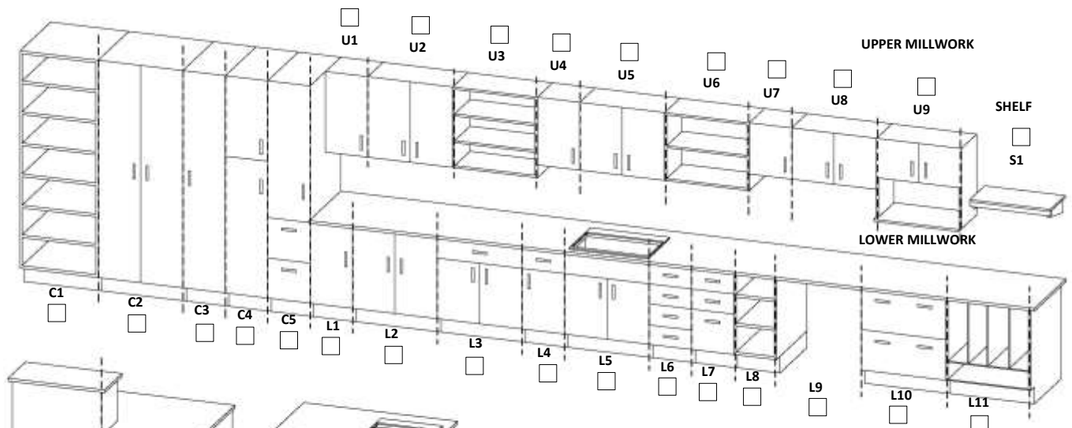
Other features: ☐ Security Grille ☐ Anti-barricade strategy

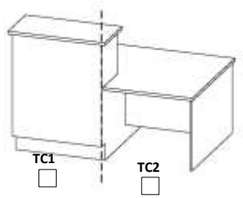
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

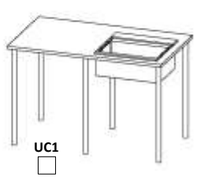
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Printer/Fax
Average Occupancy: 0

Program Number(s):

1. D3.1.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

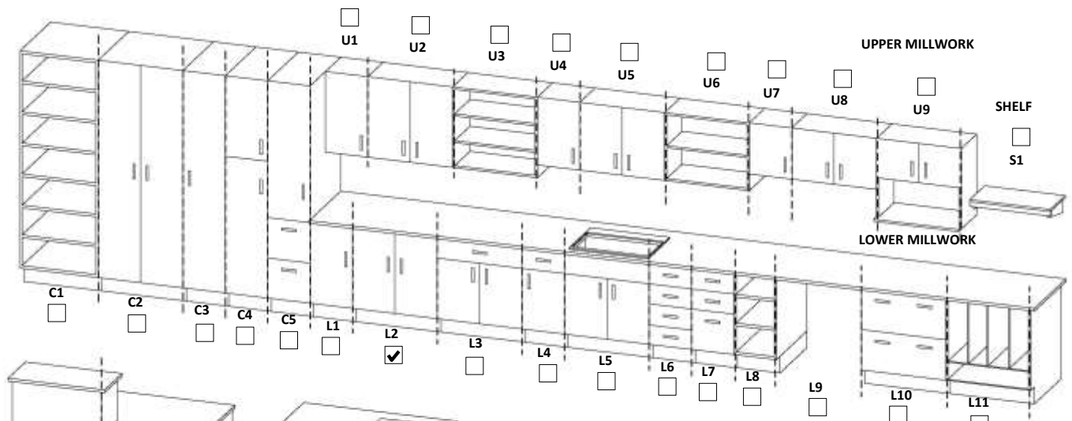
Other features: ☐ Security Grille ☐ Anti-barricade strategy

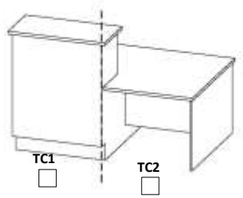
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

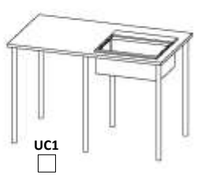
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1800	☐	☐	☑	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

Provide moveable modular casework unit. Approximately 740mm H. Two shelved units with cabinets.

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks:

☑ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	Printer										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Registration Kiosk
Average Occupancy: 0

Program Number(s):

1. A1.8	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

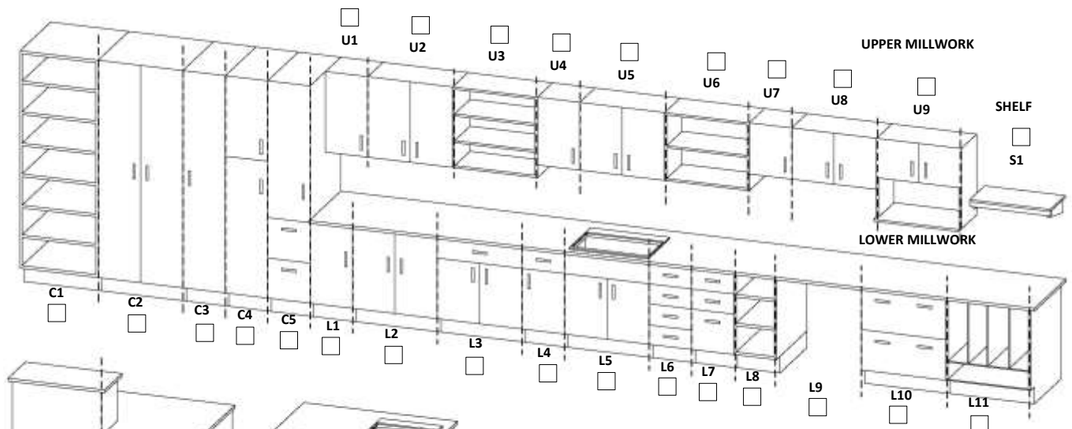
Other features: ☐ Security Grille ☐ Anti-barricade strategy

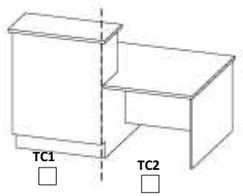
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

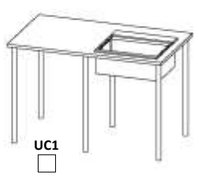
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0	0	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Respiratory Station
Average Occupancy: 0

Program Number(s):

1. A1.1.1	4.	7.	10.	13.	16.
2. B1.1.1	5.	8.	11.	14.	17.
3. C1.1.1	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

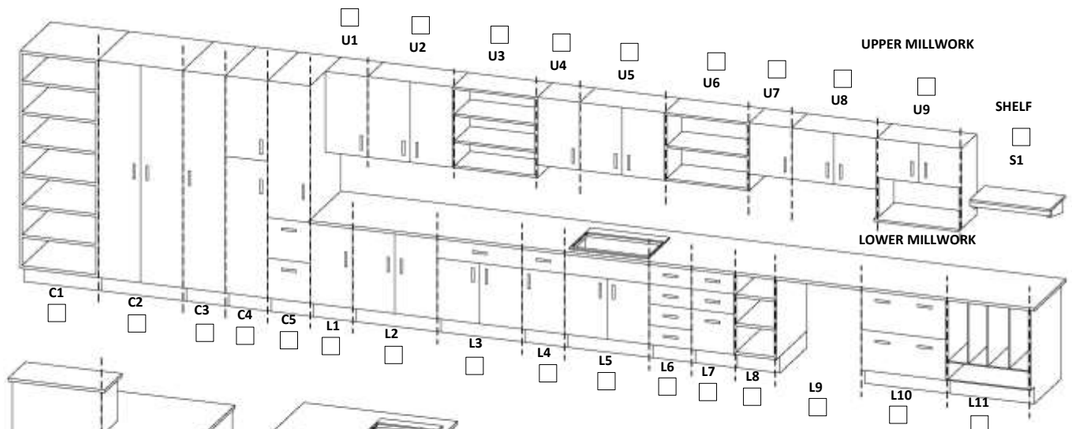
Other features: ☐ Security Grille ☐ Anti-barricade strategy

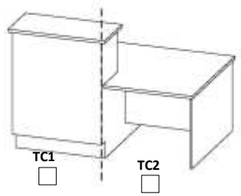
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

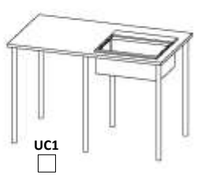
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Vending Machine
Average Occupancy: 0

Program Number(s):

1. A1.9	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

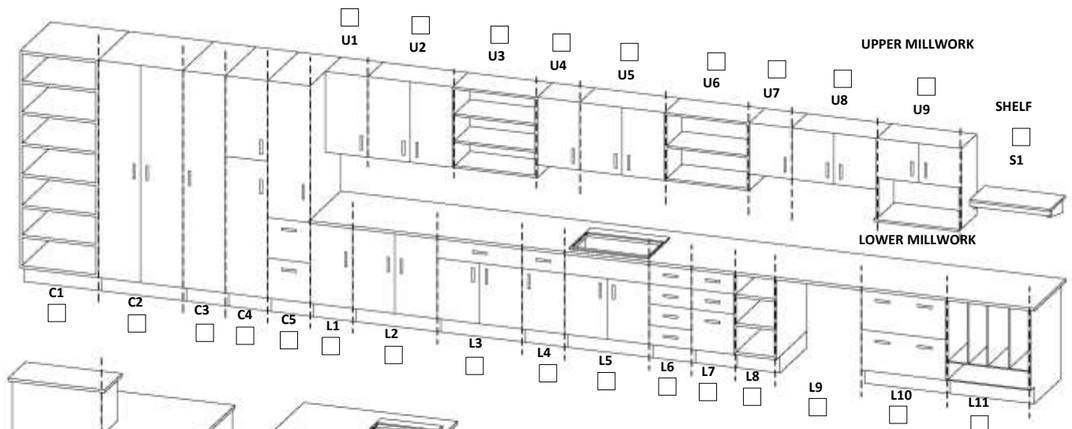
Other features: ☐ Security Grille ☐ Anti-barricade strategy

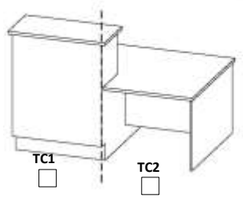
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

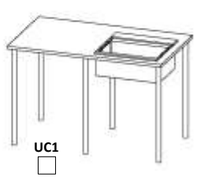
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	Vending machine										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Visitor Phone
Average Occupancy: 1

Program Number(s):

1. A1.10	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

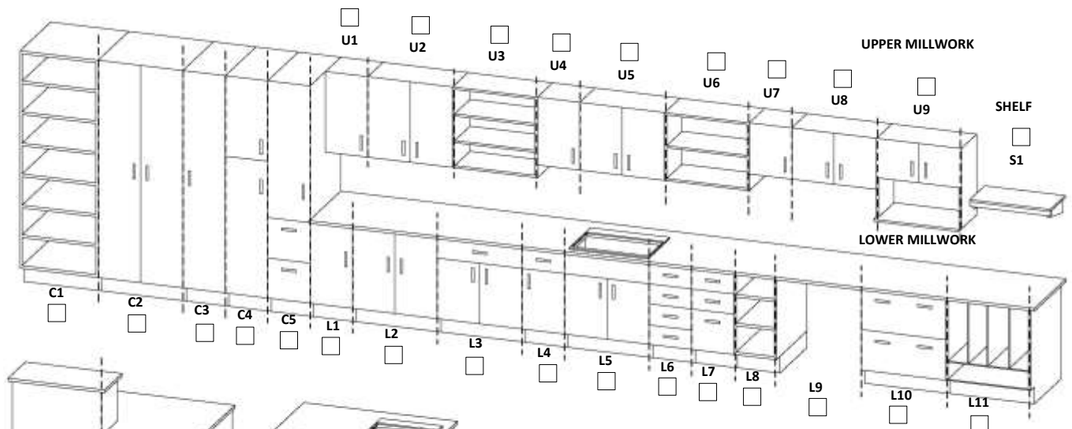
Other features: ☐ Security Grille ☐ Anti-barricade strategy

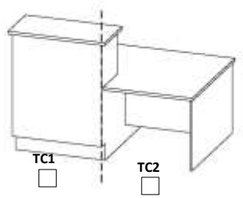
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

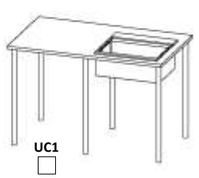
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Wheelchair/Stretcher
Average Occupancy: 0

Program Number(s):

1. A1.13	4. C4.13	7.	10.	13.	16.
2. B4.11	5.	8.	11.	14.	17.
3. B6.19	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☑ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

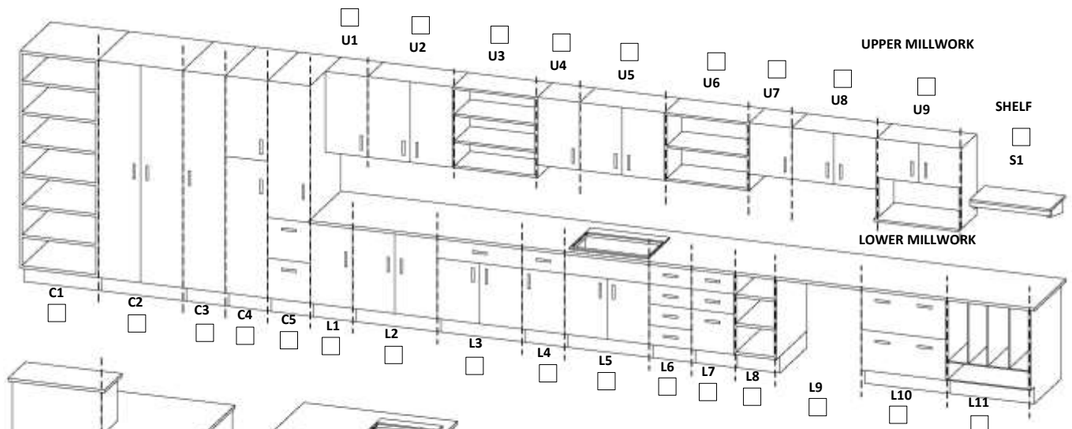
Other features: ☐ Security Grille ☐ Anti-barricade strategy

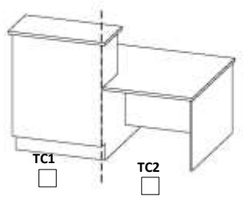
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

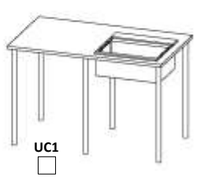
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Alcove-Workstation
Average Occupancy: 1

Program Number(s):

1. A3.10	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

A	A2	B	B2	C	C2	D	D2	E	E2	F	F2	G	H	J	K	L

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

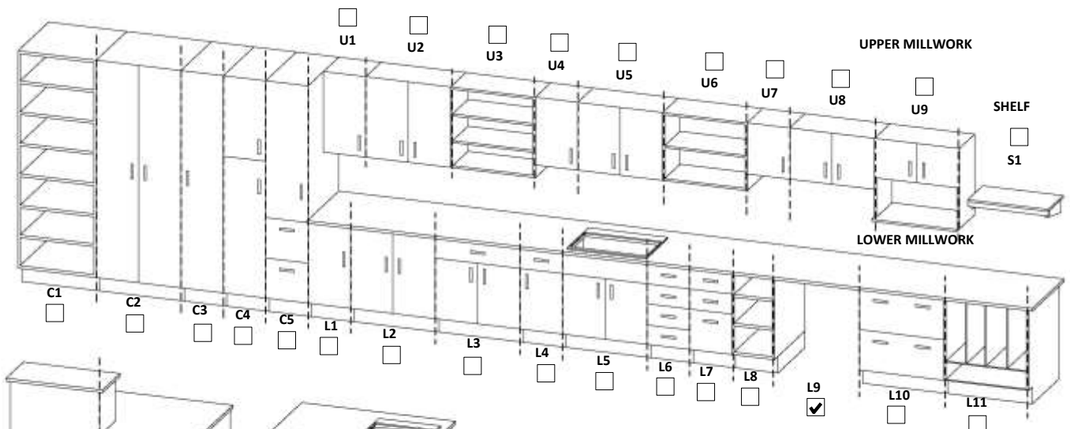
Other features: ☐ Security Grille ☐ Anti-barricade strategy

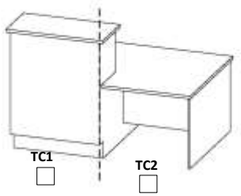
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

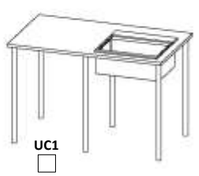
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☑	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	Q	1	Computer workstation, touchdown station										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☑ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Anteroom-AIR
Average Occupancy: 1

Program Number(s):

1. A3.1.1	4. B5.4.1	7.	10.	13.	16.
2. A3.5.1	5. C2.5.1	8.	11.	14.	17.
3. B2.4.1	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:
Provide B2.4.1 and A3.5.1 with: Ligature Resistant Room Accessories and Harm Prevention requirements as set out for A3.5.2; corner guards w/ rounded, blunt corners w/o edges to reduce self-harm.

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

GLAZING TYPES
Exterior: | Interior:

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WINDOW TREATMENT
Exterior: | Interior:

DOORS
Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1065 x 2135	Solid Core	Plam	CL-01	☐	☐	2 High	☐
B	1	1065 x 2135	Solid Core	Plam	PA-01	☐	☑	2 High	☐

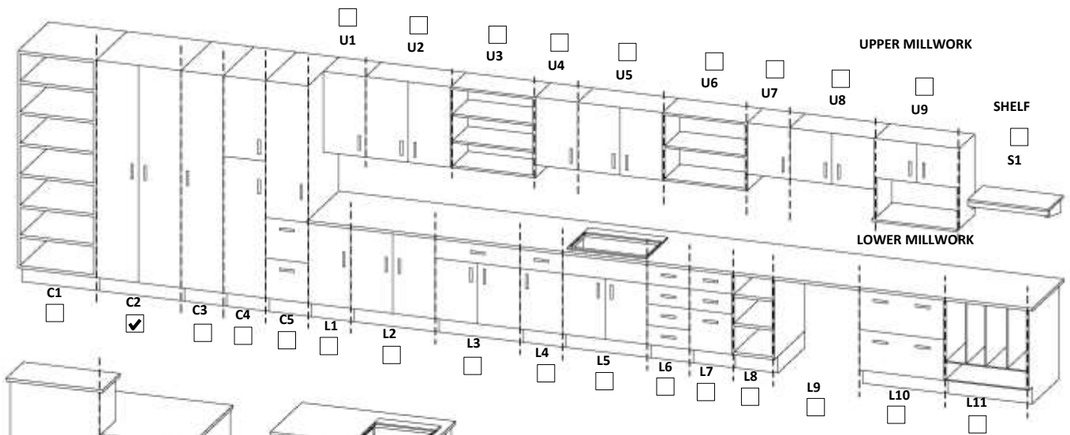
Other features: ☐ Security Grille ☐ Anti-barricade strategy

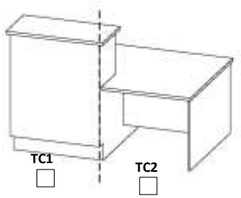
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

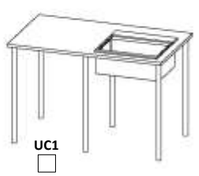
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks: Provide Ligature Resistant faucet type for A3.5.1 and B2.4.1 with electronic control.

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Controlled with corridor lighting
Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks: NC-Intercom with 2 way audio to patient room

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station	1	CB	CW	SA																
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Anteroom-Decontamination
Average Occupancy: 1

Program Number(s):

1. A2.2.3	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	914 x 2135	Solid Core	Plam	CL-01	☐	☐	2 High	☐
B	1	914 x 2135	Solid Core	Plam	PA-01	☐	☑	2 High	☐

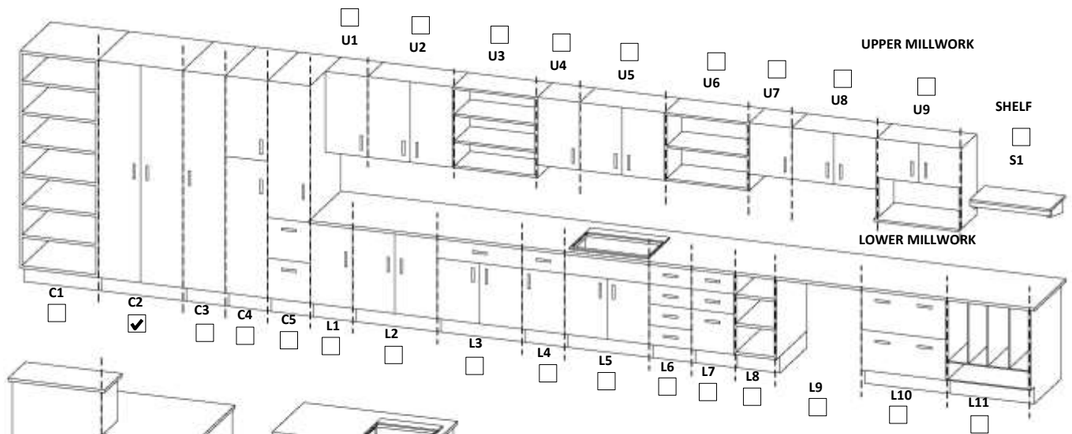
Other features: ☐ Security Grille ☐ Anti-barricade strategy

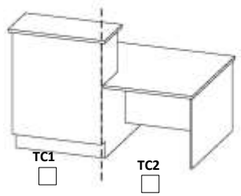
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

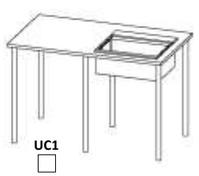
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1000	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI, weatherproof in-use cover										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Controlled with corridor lighting

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station	1	CB	CW	SA																
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Anteroom-Sterile Chemo Prep
Average Occupancy: 1

Program Number(s):

1. D4.8	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks: Floor demarcation for clean/soiled

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-03	☐	☐	2 High	☐
						☐	☐		☐

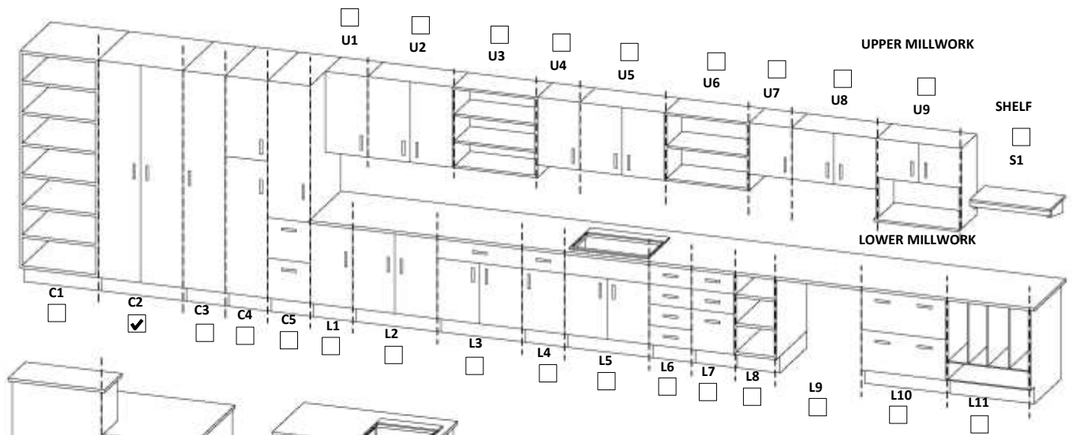
Other features: ☐ Security Grille ☐ Anti-barricade strategy

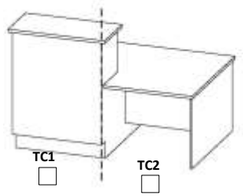
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

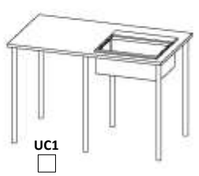
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1000	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Scrub Sink	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1											
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Controlled with corridor lighting

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Anteroom-Sterile IV Admixture
Average Occupancy: 1

Program Number(s):

1. D4.5	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks: Floor demarcation for clean/soiled

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-03	☐	☐	2 High	☐
						☐	☐		☐

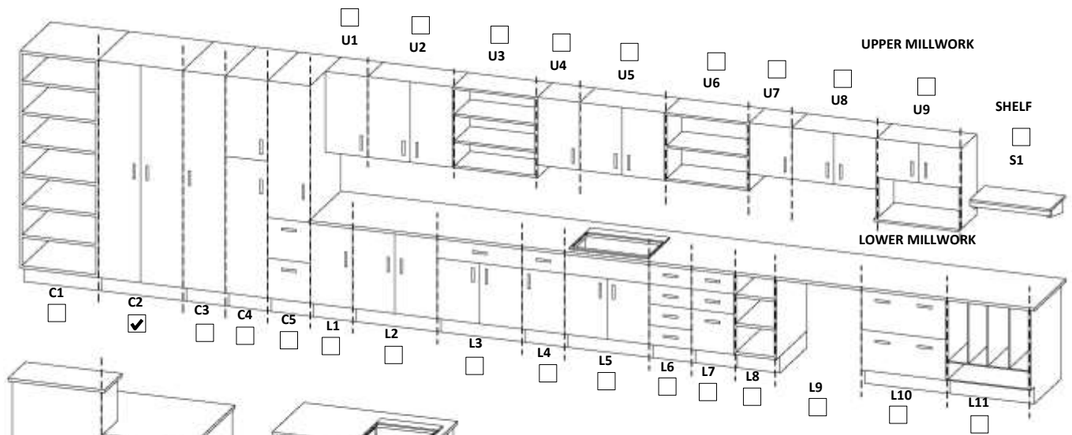
Other features: ☐ Security Grille ☐ Anti-barricade strategy

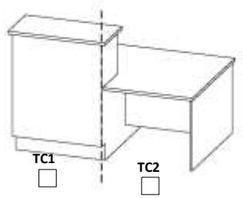
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

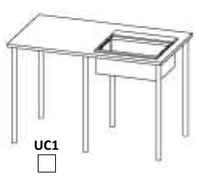
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1000	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Scrub Sink	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [x] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1											
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Controlled with corridor lighting

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks:

NURSE CALL

	General Qty.	General F1	General F2	General F3	General F4	Headwall 1 Qty.	Headwall 1 F1	Headwall 1 F2	Headwall 1 F3	Headwall 1 F4	Headwall 2 Qty	Headwall 2 F1	Headwall 2 F2	Headwall 2 F3	Headwall 2 F4	Headwall 3 Qty.	Headwall 3 F1	Headwall 3 F2	Headwall 3 F3	Headwall 3 F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Breakout Room
Average Occupancy: 1

Program Number(s):

1. D2.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	IRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Crash Rails
- [ ] Hand Rails
- [x] Sheet
- [ ] Chair Rail
- [ ] Bed Bumper / Locator
- [ ] Wall Padding

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks: Provide door peep holes at each door location. No touchless activator for ADO on door type A2.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A2	1	1830 x 2135	Solid Core	Plam	AO-03	☐	☐	2 High	☐
A	1	914 x 2135	Solid Core	Plam	AO-02	☐	☐	1 Low	☐

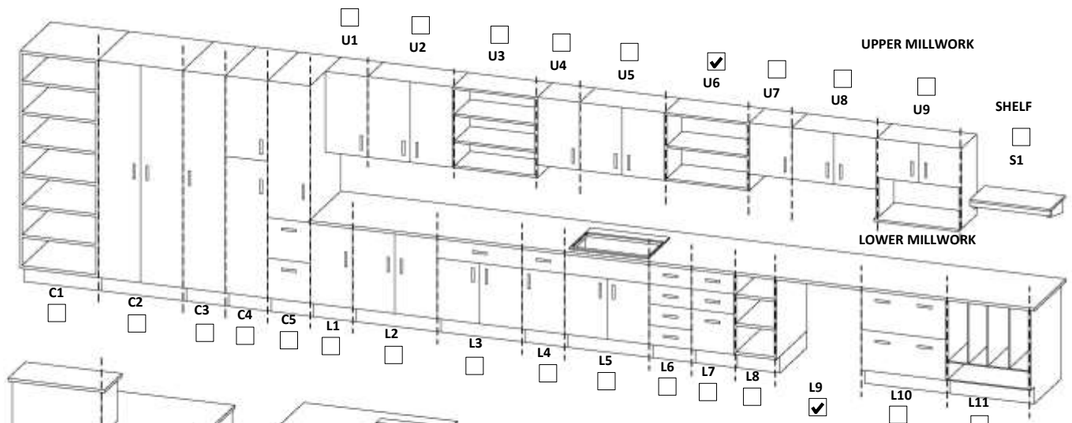
Other features: ☐ Security Grille ☐ Anti-barricade strategy

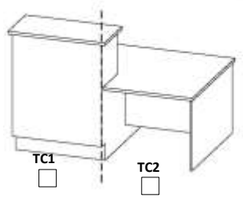
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

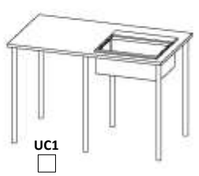
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3000	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2	HSKP	1											
Conditional 3	D												
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	3
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [x] Security Camera
- [x] Camera Monitor
- [x] Access Control
- [x] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [x] Remote Release

Location: Secure side | Placement: Both sides
Application: RC | Type: CR
Request to Exit:

IMIT Remarks: Access via card reader from pharmacy and security staff. Within the receiving area, card reader access to pharmacy only available to pharmacy staff

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Breastfeeding Equipment Cleaning Station
Average Occupancy: 1

Program Number(s):

1. C4.7	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	PA-01	☐	☐	2 High	☐
						☐	☐		☐

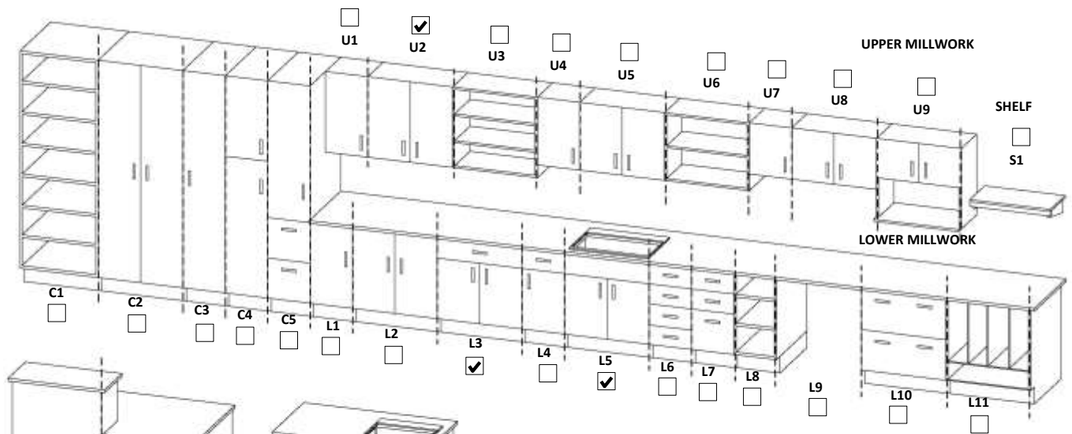
Other features: ☐ Security Grille ☐ Anti-barricade strategy

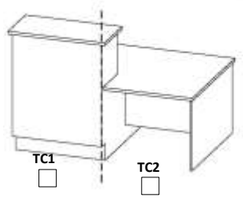
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

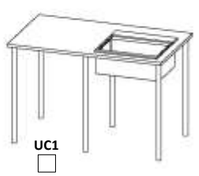
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [x] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	Above counter										
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	5	Above counter, freezer, breast pump										
Vital 1	D	1	Above counter										
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CP	SA																
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Care Team Station
Average Occupancy: 6

Program Number(s):

1. C3.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks: Mounting Monitors requirement

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	2	914 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

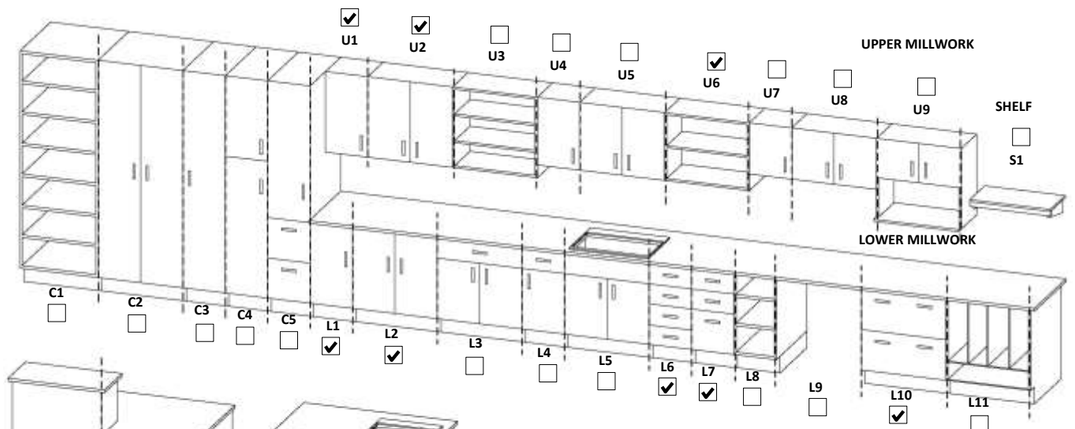
Other features: ☐ Security Grille ☐ Anti-barricade strategy

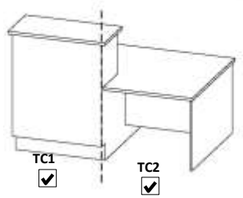
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

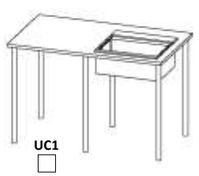
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	10500	☑	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS: NC 20 or less

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	6	One per workstation; combine with Q box with Vital										
Conditional 2	D	1	Dedicated circuit for laser printer										
Conditional 3	D	4	General use, WoW charging										
Delayed Vital													
Vital 1	D	6	One per workstation; combine with normal										
Vital 2	D	2	Located in flush mounted floor box										
UPS	D	8	Computer workstation, tracker whiteboard PC, cent										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [x] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Simulate daylight during night shift; otherwise match surrounding lighting

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	10
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	2
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [x] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: CR
Request to Exit: MS

IMIT Remarks: 1 TO per workstation; 1 TO in flush mounted floor box

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA	CP															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	2
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Care Team Station-Large
Average Occupancy: 8

Program Number(s):

1. A3.17	4.	7.	10.	13.	16.
2. B4.2	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks: Mounting Monitors requirement

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior
	Roller Shade

DOORS

Door Remarks: Door quantity 3 for A3.17; requirements as below except hardware group AO-02, two doors sized 1065 x 2135 mm

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	2	914 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

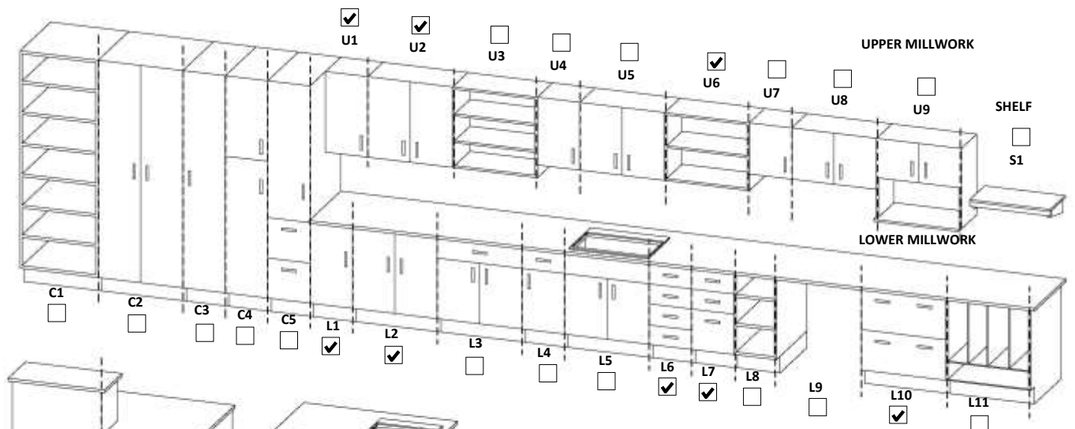
Other features: ☐ Security Grille ☐ Anti-barricade strategy

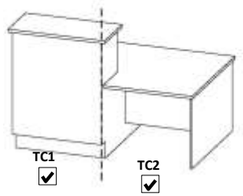
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

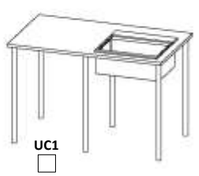
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	10500	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS: NC 20 or less

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	One per workstation; combine in Q box with Vital										
Conditional 2	D	3	Printer										
Conditional 3	D	2	General use										
Delayed Vital													
Vital 1	D	4	One per workstation; combine with normal; electro										
Vital 2													
UPS	D	9	Computer workstation, tracker whiteboard PC										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [x] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Simulate daylight during night shift; otherwise match surrounding lighting

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	8
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	1
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [x] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit: MS

IMIT Remarks: 1 TO per workstation

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA	CP															
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	2
MCS (full feature)	2
EPCA Station	
Other: _____	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Care Team Station-Satellite
Average Occupancy: 2

Program Number(s):

1. A4.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks: Mounting Monitors requirement

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

GLAZING TYPES

Exterior:	Interior
	INT-1

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WINDOW TREATMENT

Exterior:	Interior
	Roller Shade

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	2	914 x 2135	Solid Core	Plam	AO-02	☐	☑	2 High	☐
						☐	☐		☐

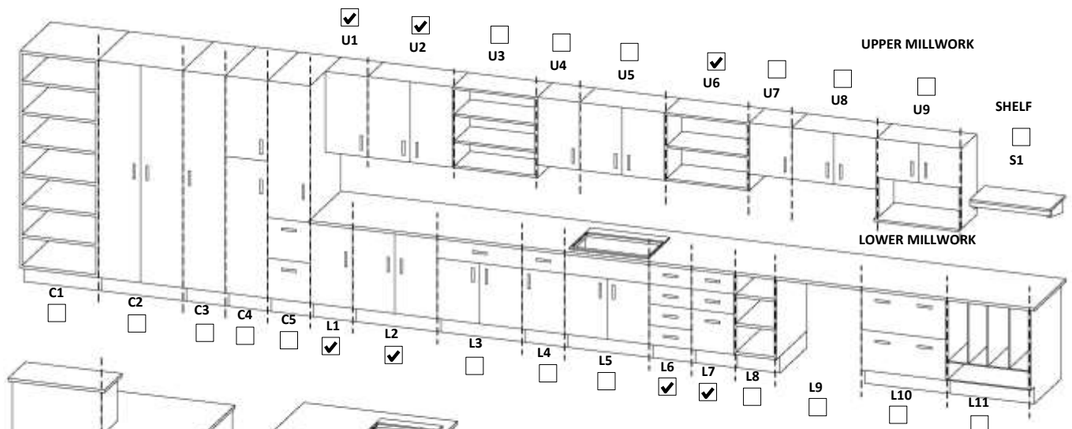
Other features: ☐ Security Grille ☐ Anti-barricade strategy

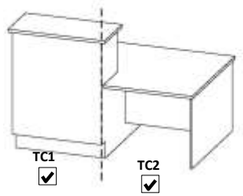
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	7500	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS: NC 20 or less

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	One per workstation; combine with Q box with Vital										
Conditional 2	D	1	Printer										
Conditional 3	D	1	General use										
Delayed Vital													
Vital 1	D	1	One per workstation; combine with normal; electro										
Vital 2													
UPS	D	4	To one workstation in lieu of normal power recepta										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [x] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Simulate daylight during night shift; otherwise match surrounding lighting

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	3
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	1
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

IMIT Remarks: 1 TO per workstation

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Application:
Placement: Public side
Type: CR
Request to Exit: MS

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA	CP															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	1
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Care Team Station-Small
Average Occupancy: 5

Program Number(s):

1. B6.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks: Mounting Monitors requirement

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

GLAZING TYPES

Exterior:	Interior

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	2	914 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

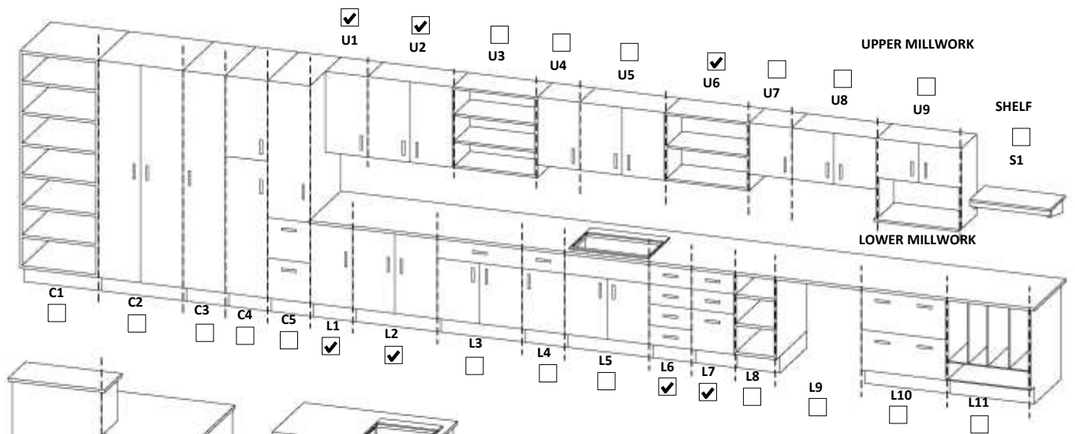
Other features: ☐ Security Grille ☐ Anti-barricade strategy

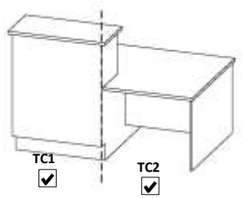
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

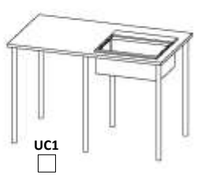
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	10500	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS: NC 20 or less

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	One per workstation; combine in Q box with Vital										
Conditional 2	D	1	Dedicated circuit for laser printer										
Conditional 3	D	2	General use										
Delayed Vital													
Vital 1	D	1	One per workstation; combine with normal										
Vital 2													
UPS	D	6	Computer work station, electronic patient board										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [x] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Simulate daylight during night shift; otherwise match surrounding lighting

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	8
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	2
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [x] Camera Monitor
- [x] Access Control
- [x] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: CR
Request to Exit: MS

IMIT Remarks: 1 TO per workstation

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA	CP															
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	1
MCS (full feature)	2
EPCA Station	
Other: _____	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Cart Marshalling/Staging Area
Average Occupancy: 1

Program Number(s):

1. E4.3	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	IRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☑ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1220 x 2135	Solid Core	Plam	AO-01	☐	☐	2 High	☐
						☐	☐		☐

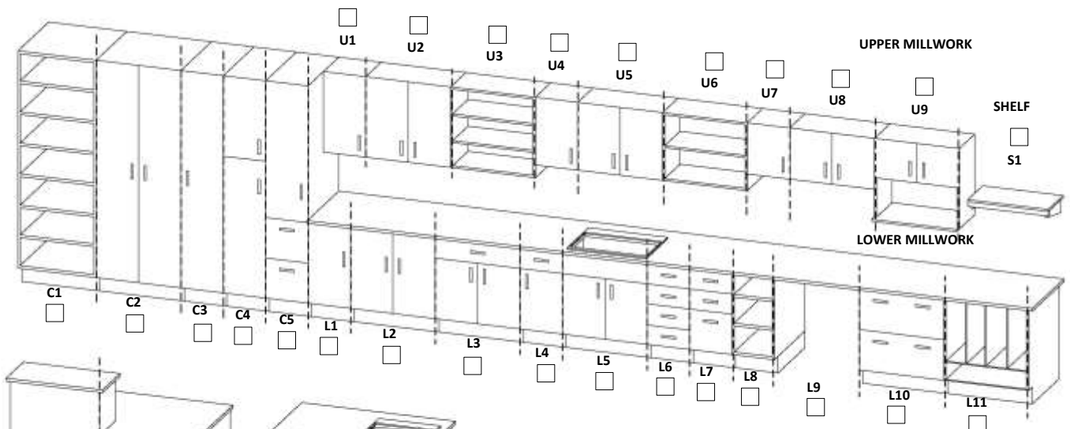
Other features: ☐ Security Grille ☐ Anti-barricade strategy

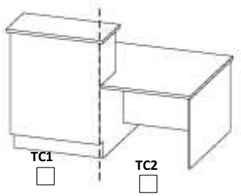
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

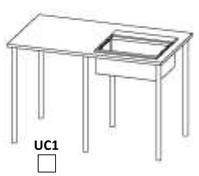
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks: Large capacity FD for ride on scrubber

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☑ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☑ Room Relative Humidity with Local Readout
- ☐ Local Temperature Adjustment
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks: 2 speed fan controlled by humidistat.

☑ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1	Charging station for floor scrubber										
Conditional 3													
Delayed Vital													
Vital 1	D	2											
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Refer to SoR for requirement

☑ Lighting Control Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit: HFS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Cart Washing Room
Average Occupancy: 1

Program Number(s):

1. E4.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MRGWB	Washable
Wall	IMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☑ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1220 x 2135	Solid Core	Plam	AO-01	☐	☐	2 High	☐
K	1	1220 x 2135	Solid Core	Plam	AO-01a	☐	☐	2 High	☐

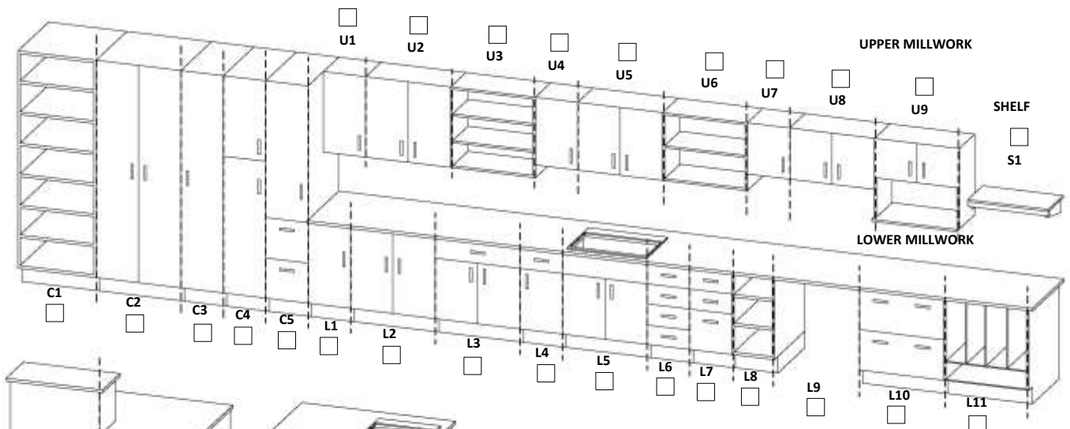
Other features: ☐ Security Grille ☐ Anti-barricade strategy

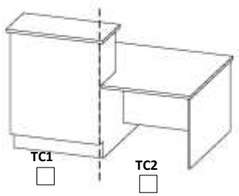
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

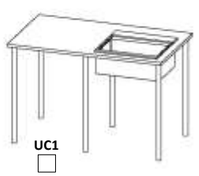
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Janitorial	1	Floor	Standard	Lever Blade

plumbing remarks: Large capacity FD for ride on scrubber

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☑ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☑ Floor Drain

Other: Protected hot and cold, Detergent Dispenser

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☑ Room Relative Humidity with Local Readout
- ☐ Local Temperature Adjustment
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks: 2 speed fan controlled by humidistat.

- ☑ Exhaust Required
- ☑ Dedicated Exhaust
- ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	GFCI, weatherproof in-use cover										
Conditional 2													
Conditional 3													
Delayed Vital	D		Quantity for cart washers as required										
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Vapour tight fixtures and lighting control devices required.

☑ Lighting Control Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Public side
Application: Type: CR
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Cast Room
Average Occupancy: 3

Program Number(s):

1. A3.11	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [x] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	PR-02	☐	☑	1 Low	☐
						☐	☐		☐

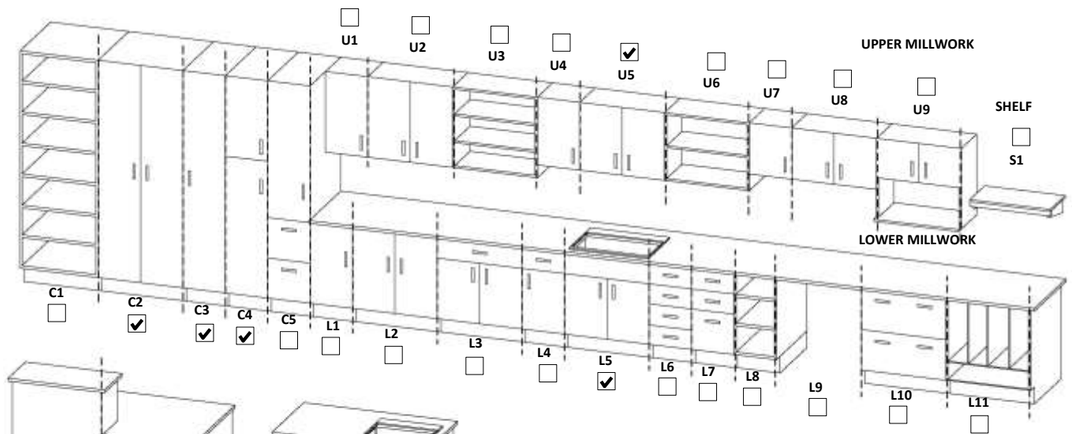
Other features: ☐ Security Grille ☑ Anti-barricade strategy

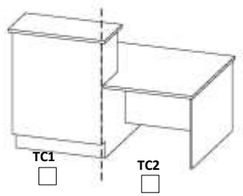
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

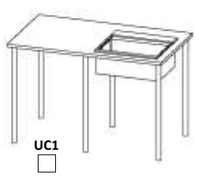
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:
12 air changes minimum

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks: Plaster traps on both fixtures.

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1											
Conditional 2	D	1	General use										
Conditional 3													
Delayed Vital	D	1											
Vital 1	D	2	General use	D	1								
Vital 2				D	1								
UPS	D	2	Computer workstation										

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light
- [x] Lighting Control

Lighting Remarks: Manual on manual off only, sweep off during department after hours

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station	1	CB	CW	SA	PA															
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Child Playroom
Average Occupancy: 10

Program Number(s):

1. A1.7.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	INT-2

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
D	1	1220 x 2135	Aluminum	Prefinished	CL-01	☐	☐		☐
						☐	☐		☐

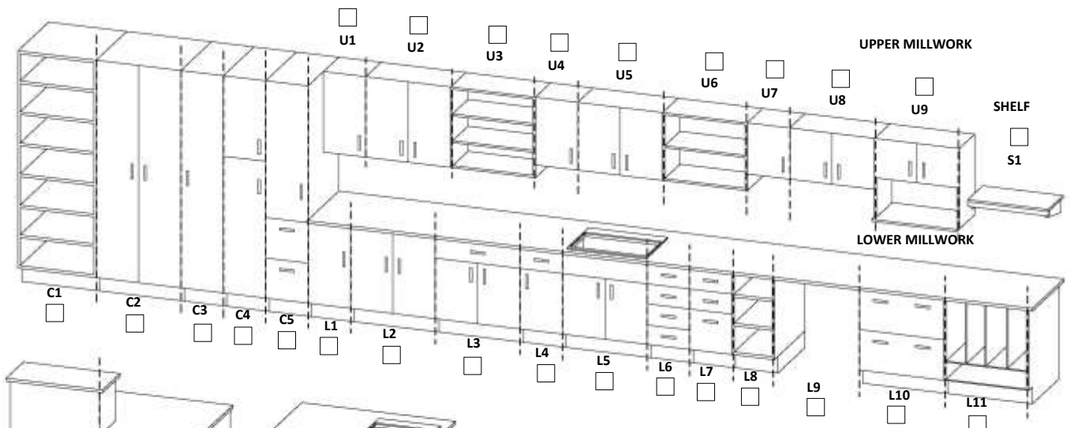
Other features: ☐ Security Grille ☐ Anti-barricade strategy

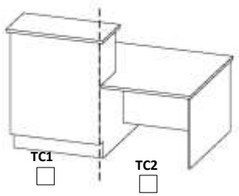
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

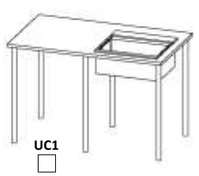
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1													
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☑ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Secure side
Placement:
Application: ID
Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Compounding Area
Average Occupancy: 1

Program Number(s):

1. D3.5	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [x] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1065 x 2135	Solid Core	Plam	AO-03	☐	☐	2 High	☐
						☐	☐		☐

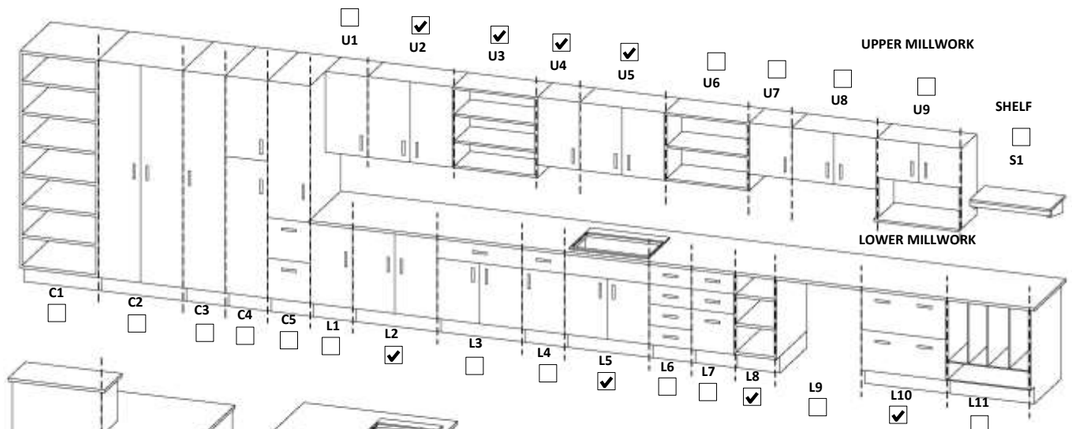
Other features: ☐ Security Grille ☐ Anti-barricade strategy

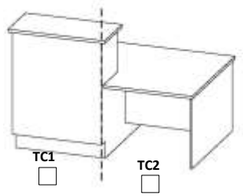
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

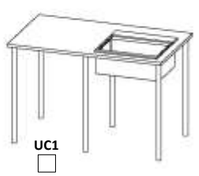
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	6000	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Stainless Steel
Countertop:	Stainless Steel
Lower Millwork:	Stainless Steel
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [x] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	6	General use										
Conditional 2	HSKP												
Conditional 3	D	2	Island Receptacles										
Delayed Vital	D	1											
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Consultation/Interview Room
Average Occupancy: 3

Program Number(s):

1. A3.12	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:
Provide corner guards with rounded, blunt corners without edges to reduce self-harm.

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [x] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [x] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [x] Vandal Resistant Tamper Resistant access panels
- [x] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [x] Extra heavy-duty electrical cover plate with Tamper Resistant screws

GLAZING TYPES

Exterior:	Interior
EXT-1	INT-3

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: See Schedule 1, 6.8.6.6, for additional req's.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1065 x 2135	Solid Core	Plam	IA-02	☐	☑	2 High	☐
D	1	600 x 2135	Solid Core	Plam	IA-01	☐	☑	2 High	☐

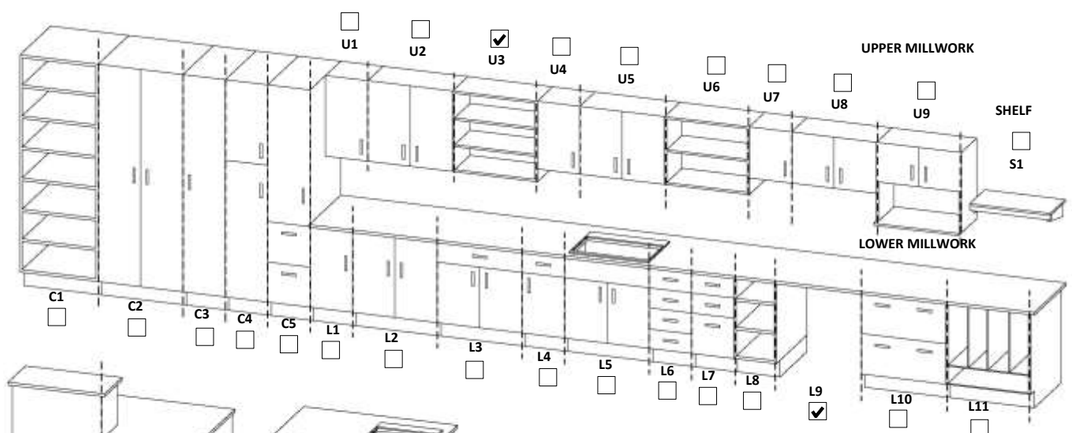
Other features: ☐ Security Grille ☑ Anti-barricade strategy

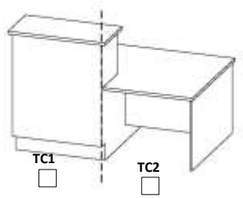
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1500	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks: Controlled from Care Team Station.

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1	D	1	General use										
Vital 2													
UPS	D	1	Computer workstation										

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [x] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Secure side
Placement:
Application: OB
Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General Qty.	F1	F2	F3	F4	Headwall 1 Qty.	F1	F2	F3	F4	Headwall 2 Qty	F1	F2	F3	F4	Headwall 3 Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW																	
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Counselling Room
Average Occupancy: 4

Program Number(s):

1. D1.4	4.	7.
2.	5.	8.
3.	6.	9.

10.	13.	16.
11.	14.	17.
12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior
	Privacy Film

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1065 x 2135	Solid Core	Plam	IA-02	[ ]	[x]	2 High	[ ]
B	1	1065 x 2135	Solid Core	Plam	SR-01	[ ]	[ ]	2 High	[ ]

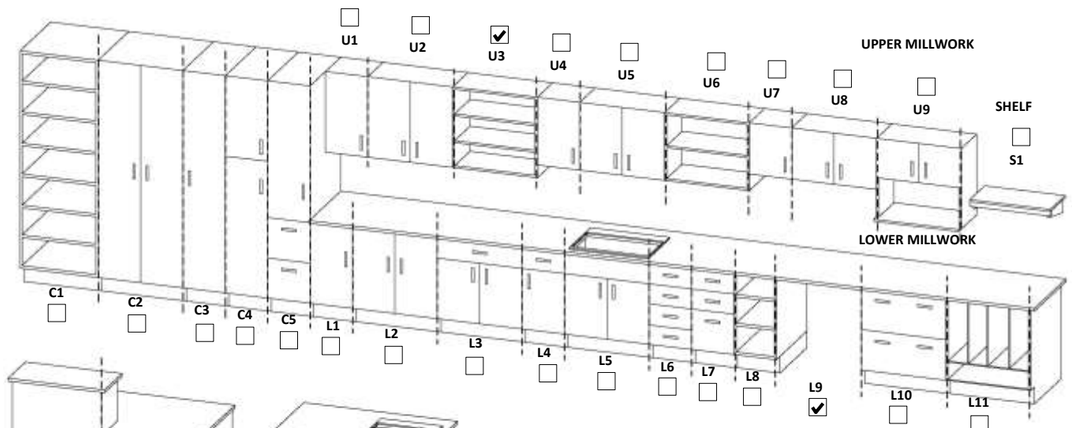
Other features: [ ] Security Grille [ ] Anti-barricade strategy

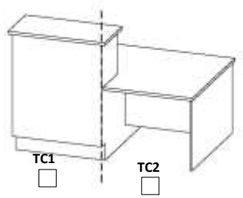
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

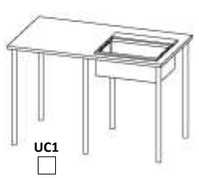
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1500	[ ]	[ ]	[ ]	[x]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	2	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS	D	3	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	3
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [x] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Secure side
Placement: Public side
Application: ID
Type: CR
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CP	CW																
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Covered Ambulance Drive-Through
Average Occupancy:

Program Number(s):

1. A2.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	Exposed Structure	Other:
Wall	Other:	Other:
Floor	Concrete	Sealed
Base:	Concrete	

General Remarks: Exterior space. See SOR.

WALL PROTECTION
☐ Corner Guards ☐ Sheet ☐ Wall Padding
☐ Crash Rails ☐ Chair Rail
☐ Hand Rails ☐ Bed Bumper / Locator

ROOM ACCESSORIES
☐ Coat Hooks
☐ Coat Hooks - Ligature Resistant
☐ Mop Hooks
☐ Mirror
☐ Mirror - Vandal Resistant
☑ Privacy Curtain
☐ Privacy Curtain - Ligature Resistant
☐ Shower Curtain
☐ Shower Curtain- Ligature Resistant
☐ Ceiling Lift
☐ Baby Change Table
☐ Magnetic Whiteboard

GLAZING TYPES
Exterior: Interior:

HARM PREVENTION
☐ Industrial Ligature Resistant Tamper Resistant sprinkler
☐ Concealed pendant quick-response sprinkler
☐ Pendant quick-response sprinkler
☐ Tamper Resistant screws and fittings
☐ Vandal Resistant Ligature Resistant plumbing fixtures
☐ Vandal Resistant Tamper Resistant pipe and valve cover
☐ Vandal Resistant Tamper Resistant access panels
☐ Security-type ventilating grille
☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WINDOW TREATMENT
Exterior: Interior:

DOORS
Door Remarks:
Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

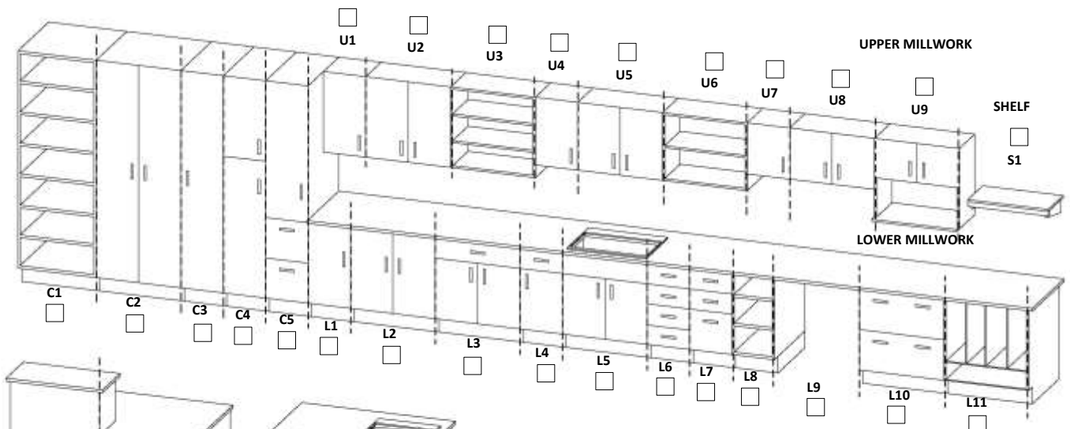
Other features: ☐ Security Grille ☐ Anti-barricade strategy

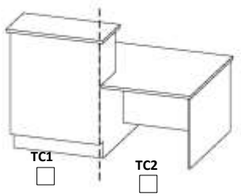
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

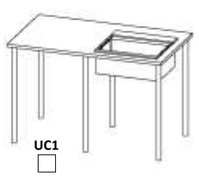
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES
Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks: 2 hose bibs and 2 floor large capacity drains.

Other Fixtures:
☐ Shower
☐ Tub
☐ Solid Waste Disposal
☐ Ice Maker
☐ Water Closet
☐ Instantaneous Hot Water
☐ Wall-mounted Eyewash Station
☐ Emergency Shower
☐ Wall-mounted Drench Hose
☑ Floor Drain
Other: Hot and Cold Frost Free Hose bibs exposed with wheel handles

ROOM CONTROLS
☐ Dedicated Temperature Control ☐ Room Relative Humidity with Local Readout
☐ Local Temperature Adjustment ☐ Room Pressure Monitor with Local Readout
Room Control Remarks:

VENTILATION
Relative Pressure ☑ Equal ☐ Positive ☐ Negative ☐ Other:
☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability
Ventilation Remarks:
Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	GCFI, weatherproof in-use cover										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

☐ Patient Care Area Designation as per CSA Z32
☐ Remote Power Shut-Off
☐ Clock

LIGHTING
☐ Workstation Task Light ☐ Night Light ☐ Colour Tunable ☐ Examination Light ☐ Valance Light
☐ Bedside Staff Light ☐ Vanity Light ☐ Reading Light ☐ Perinatal Examination Light
☐ Visitor Light ☐ Zone Controller ☐ Hand Hygiene Sink Light ☐ Shower Light
☐ Lighting Control

Lighting Remarks: Well-lit outdoor lighting, photocell/timeclock control
Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

☐ Intercomm Station
☑ Video Intercomm Station
☑ Overhead Paging (Pub Address)
☐ Video Conferencing

SECURITY SYSTEMS
☐ Clinical Camera ☐ Camera Monitor ☐ Panic Duress - Wired
☑ Security Camera ☐ Access Control ☐ Key Override
☐ Door Contact
Location: Public side Placement:
☐ Remote Release
Application: ID Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Decontamination Room
Average Occupancy: 2

Program Number(s):

1. A2.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MRGWB	Washable
Wall	IMRGWB	Washable
Floor	Wetroom Vinyl Shee	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Crash Rails
- [ ] Hand Rails
- [x] Sheet
- [ ] Chair Rail
- [ ] Bed Bumper / Locator
- [ ] Wall Padding

GLAZING TYPES
Exterior: Interior:

WINDOW TREATMENT
Exterior: Interior:

DOORS

Door Remarks: Exterior door to have peephole.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Solid Core	Plam	CL-01	☐	☑	2 High	☐
A	1	1220 x 2135	Hollow Metal	Paint	AO-04	☐	☐	2 High	☐

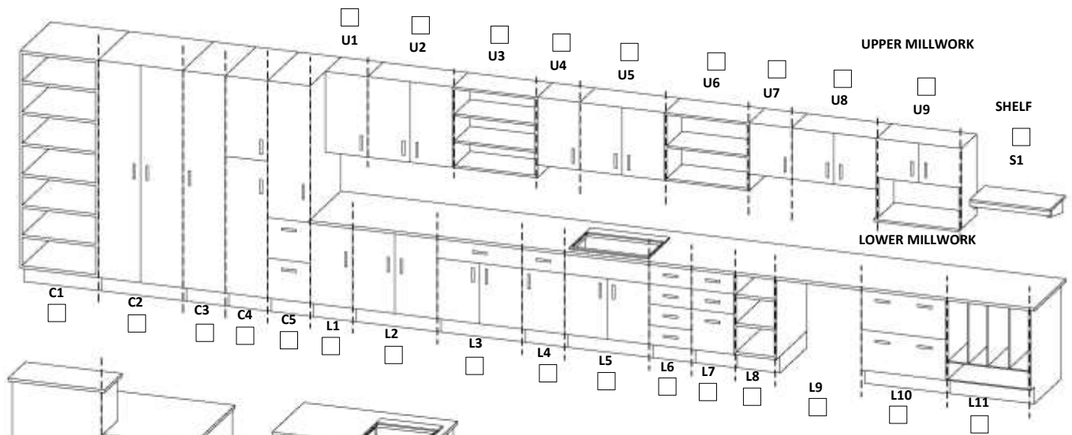
Other features: ☐ Security Grille ☐ Anti-barricade strategy

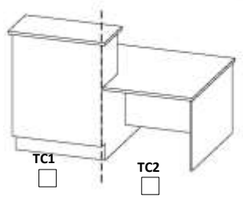
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

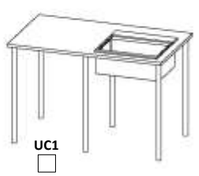
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES
Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS: Minimum 5 air changes of outdoor air.

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks: 2 floor drains

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [x] Emergency Shower
- [x] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [x] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		2							
Med Air		2							
Med Vac		2							
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	GCFI, weatherproof in-use cover	D	2								
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	2	GFCI, weatherproof in-use cover	D	2								
Vital 2													
UPS				D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Lighting to be wet location rated, 'In Use' indicator light outside door.

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [ ] Door Contact
- [x] Remote Release

Location: Placement: Public side
Application: Type: CR+KP
Request to Exit:

IMIT Remarks: Nurse call in concealed headwall unit. Waterproof cover. Video Intercom to Care Team Station-Large A3.17. Remote release of exterior door by toggle switch located at

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station	1	RR																		
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Dispensing/Storage Area
Average Occupancy: 1

Program Number(s):

1. D3.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:
Prevent views into this space from outside by providing exterior glazing with privacy film. See Schedule 1, Section 6.8.16.6(6) for additional exterior glazing requirements.

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

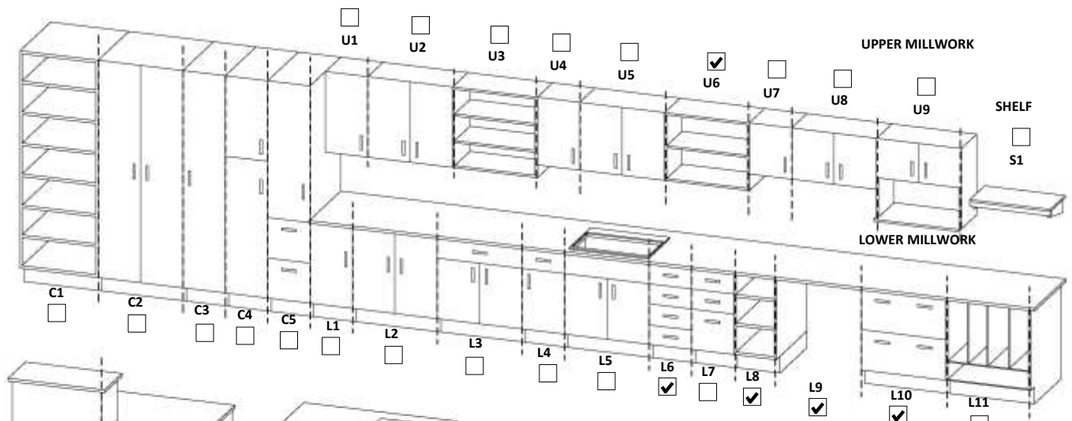
Other features: ☐ Security Grille ☐ Anti-barricade strategy

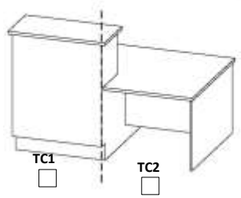
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

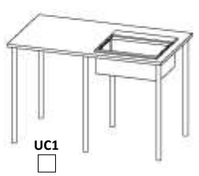
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	9200	☐	☑	☑	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS
Provide millwork island with internal storage complete w/ adjustable rail system that allows individual drawers to be pulled out.

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital	D	3	Fridge, freezer, printer										
Vital 1	D	2											
Vital 2													
UPS	D	2	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	3
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [x] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Intercom to receiving area

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Emergency Shower/Eyewash
Average Occupancy: 1

Program Number(s):

1. D4.3	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

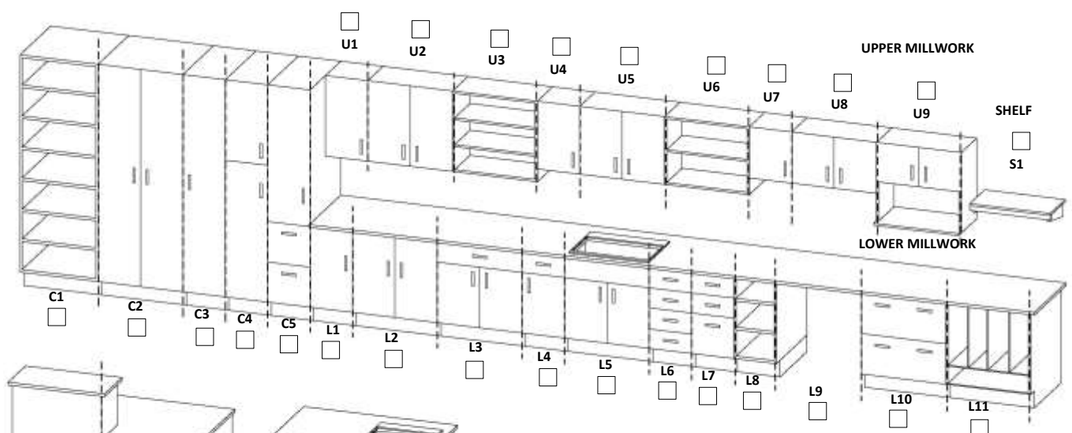
Other features: ☐ Security Grille ☐ Anti-barricade strategy

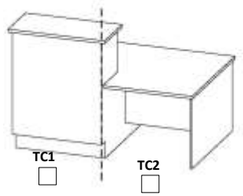
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

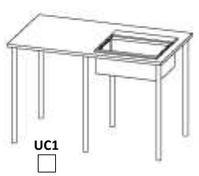
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [x] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

Ventilation Remarks:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1													
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Lit by adjacent area

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement:
Application: Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam Room-Triage
Average Occupancy: 3

Program Number(s):

1. A1.5	4.	7.
2.	5.	8.
3.	6.	9.

10.	13.	16.
11.	14.	17.
12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior
	Integral Blinds

DOORS

Door types:

Door Remarks: Provide type K door with Type G PanelThird door: type B, 1065 x 2135, solid core, plam, AO-02, integral blinds, 2 High

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1220 x 2135	Aluminum	Prefinished	SL-PR-02	☐	☑		☐
L	1	914 x 2135	Solid Core	Plam	SL-03	☐	☐	2 High	☐

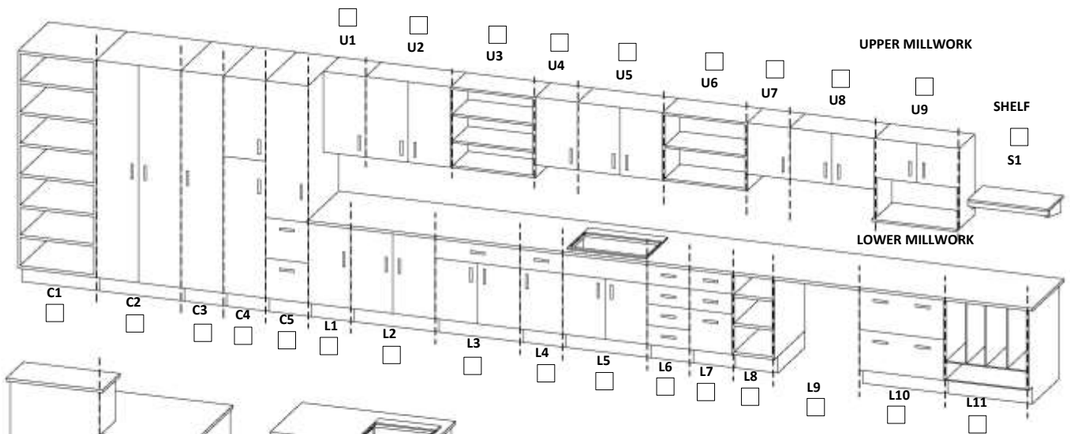
Other features: ☐ Security Grille ☐ Anti-barricade strategy

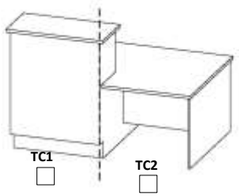
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

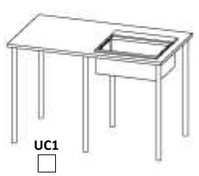
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2		D	1								
Vital 2													
UPS	D	3	ECG, medication management system, diagnostic s	D	2								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [x] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [x] Remote Release

Location:
Placement: Both sides
Application:
Type: CR
Request to Exit:

IMIT Remarks: VST to c/w CP

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	CB	CP	CW	SA															
2nd Button Station	1	RR																		
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam Room-Triage/Observation
Average Occupancy: 2

Program Number(s):

1. C2.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1220 x 2135	Aluminum	Prefinished	SL-PR-01	☐	☐		☑
						☐	☐		☐

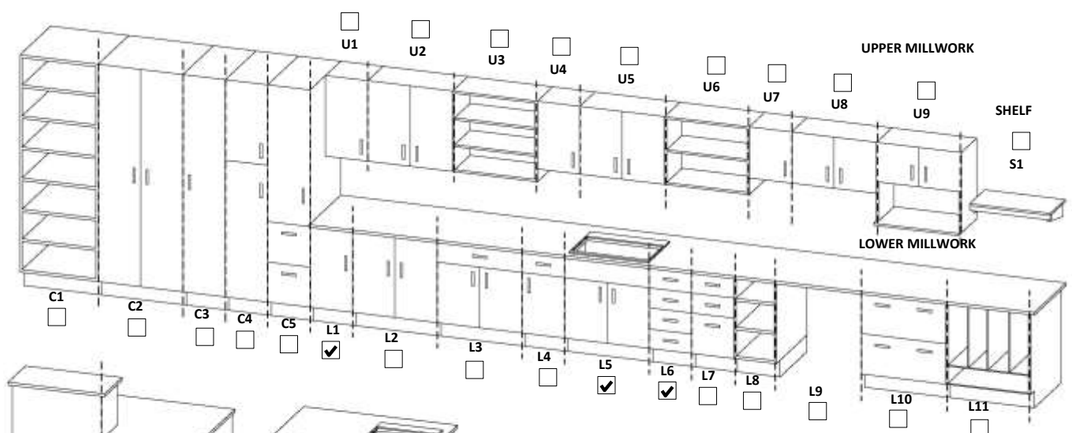
Other features: ☐ Security Grille ☐ Anti-barricade strategy

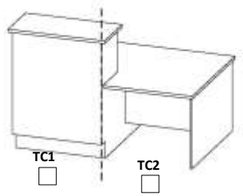
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

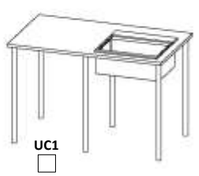
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1500	☑	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2		2	1						
Med Air		1	1						
Med Vac		1	1						
N20		1							
N2									
CO2									
AGSS			1						

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2		D	2								
Vital 2													
UPS	D	2	Ultrasound, computer workstation	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [x] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [x] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	1

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: VST to c/w CP

NURSE CALL

	General Qty.	F1	F2	F3	F4	Headwall 1 Qty.	F1	F2	F3	F4	Headwall 2 Qty	F1	F2	F3	F4	Headwall 3 Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station						0														
Button Station																				
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Bay-Streaming
Average Occupancy: 2

Program Number(s):

1. A4.5	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

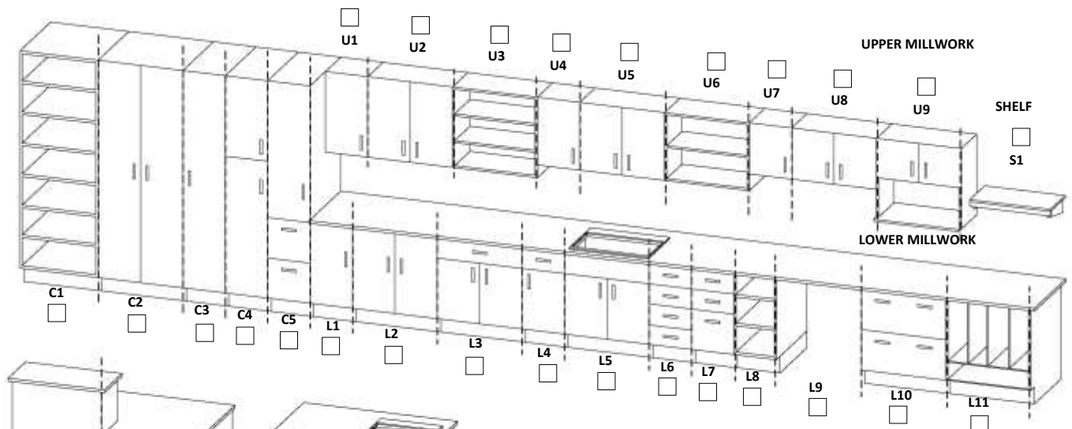
Other features: ☐ Security Grille ☐ Anti-barricade strategy

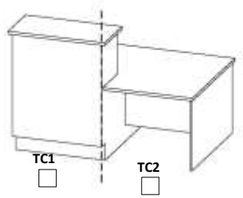
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

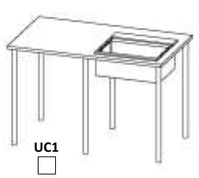
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks: 1 hand hygiene sink per 3 bays.

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1							
Med Air		1							
Med Vac		1							
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1	One per two bays										
Conditional 3	D	1	TV										
Delayed Vital													
Vital 1	D	2		D	2								
Vital 2													
UPS	D	1		D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☑ Hand Hygiene Sink Light
- ☑ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Switch hygiene sink separately. Provide localized dimming for lighting

- ☑ Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	1
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: One VoIP station for the room and c/w CP, one bed call station and code timer clock at each treatment bay

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA											
Bed Call Station																				
Button Station																				
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Room
Average Occupancy: 3

Program Number(s):

1. A3.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1220 x 2135	Aluminum	Prefinished	SL-PR-01	☐	☑		☐
						☐	☐		☐

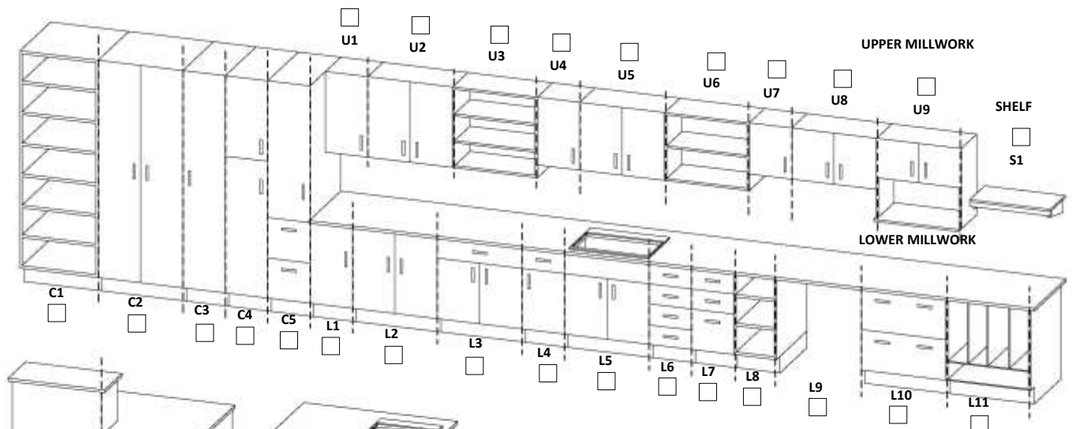
Other features: ☐ Security Grille ☐ Anti-barricade strategy

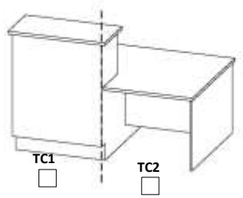
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2		D	2								
Vital 2													
UPS	D	1	Physiological monitor	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Feature bed not required but will require 2 x 1/4" inputs

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	CP																		
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Room-Bariatric
Average Occupancy: 3

Program Number(s):

1. A3.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
H	1	1530 x 2135	Aluminum	Prefinished	SL-PR-01	☐	☑		☐
						☐	☐		☐

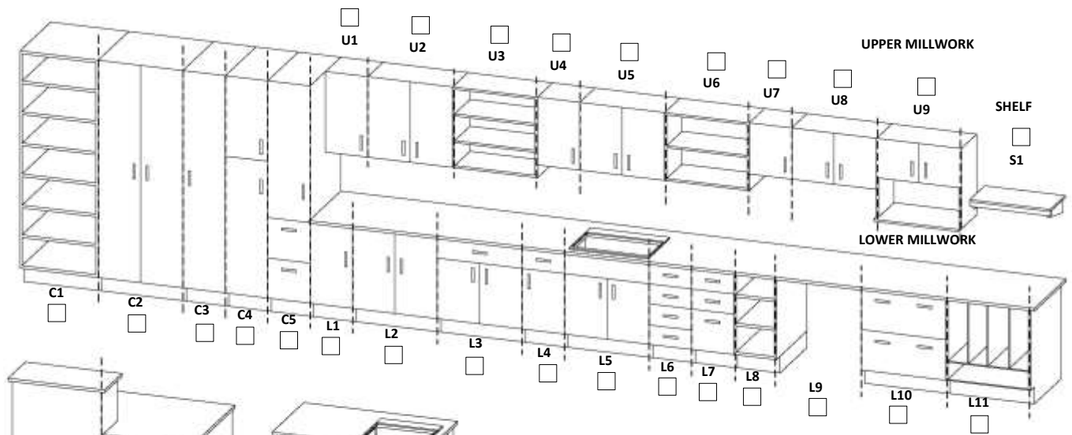
Other features: ☐ Security Grille ☐ Anti-barricade strategy

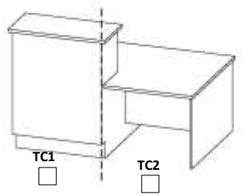
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

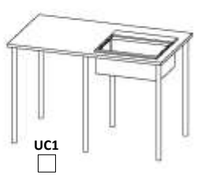
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2	Power chair	D	2								
Vital 2													
UPS	D	2	Physiological monitor	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: VST to c/w CP

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station																				
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Room-Bariatric-AIR
Average Occupancy: 3

Program Number(s):

1. A3.5	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:
Provide windows w/o sill or slanted sill. Provide corner guards w/ rounded, blunt corners w/o edges to reduce self-harm.

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [x] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [x] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [x] Tamper Resistant screws and fittings
- [x] Vandal Resistant Ligature Resistant plumbing fixtures
- [x] Vandal Resistant Tamper Resistant pipe and valve cover
- [x] Vandal Resistant Tamper Resistant access panels
- [x] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [x] Extra heavy-duty electrical cover plate with Tamper Resistant screws

GLAZING TYPES

Exterior:	Interior
EXT-1	

WINDOW TREATMENT

Exterior:	Interior
Integral Blinds	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Aluminum	Prefinished	PR-01	☐	☑		☑
						☐	☐		☐

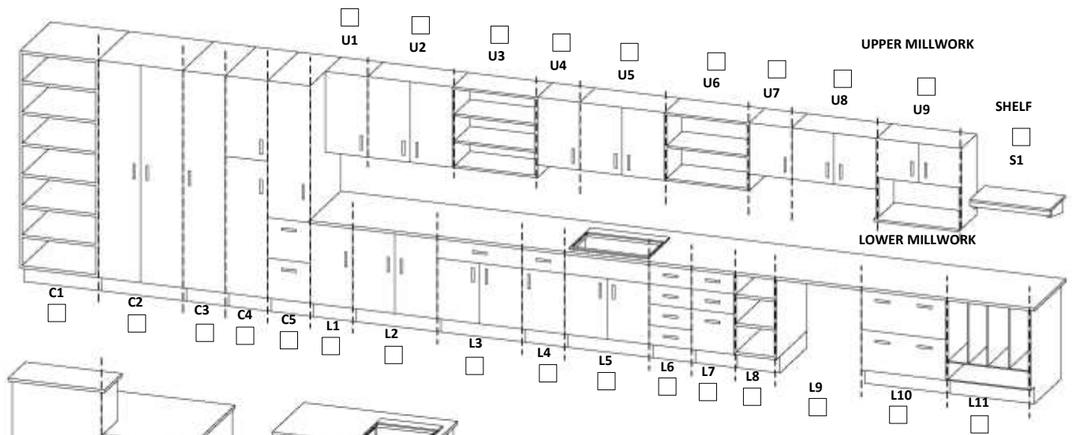
Other features:
- [ ] Security Grille
- [x] Anti-barricade strategy

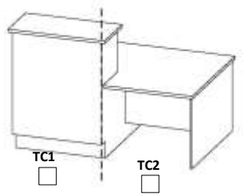
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

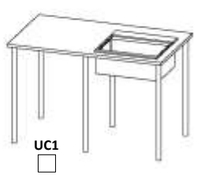
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [ ] Room Relative Humidity with Local Readout
- [x] Local Temperature Adjustment
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks: Controlled from Care Team Station.

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [x] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		2	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2	Power chair	D	2								
Vital 2													
UPS	D	2	Physiological monitor	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Feature bed required as well as 2 x 1/4" inputs

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	CP																		
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Room-Gyne
Average Occupancy: 3

Program Number(s):

1. A3.6	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	PR-02	☐	☑	2 High	☐
						☐	☐		☐

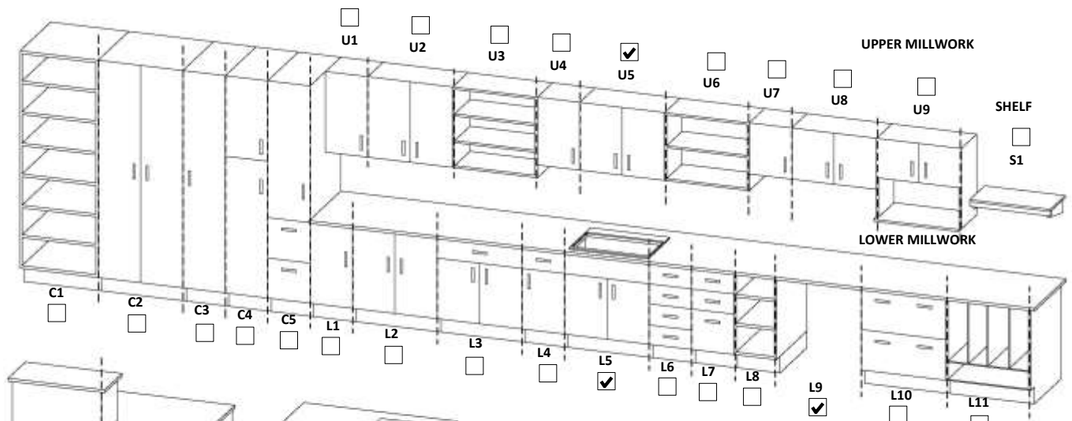
Other features: ☐ Security Grille ☐ Anti-barricade strategy

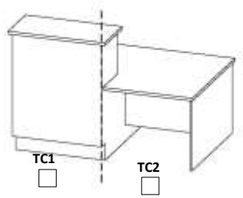
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

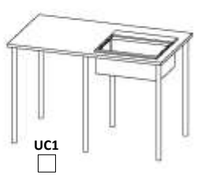
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2	1	1	1						
Med Air	1	1	1						
Med Vac	1	1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2		D	2								
Vital 2													
UPS	D	2	Workstation, diagnostic set, physiological monitor	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [x] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light
- [x] Lighting Control

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Headwall will have fetal monitor, panda, incubator, ventilator. Feature bed required as well as 2 x 1/4" inputs

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	CP	SP																	
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Room-HEENT
Average Occupancy: 3

Program Number(s):

1. A3.7	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	PR-02	☐	☑	2 High	☐
						☐	☐		☐

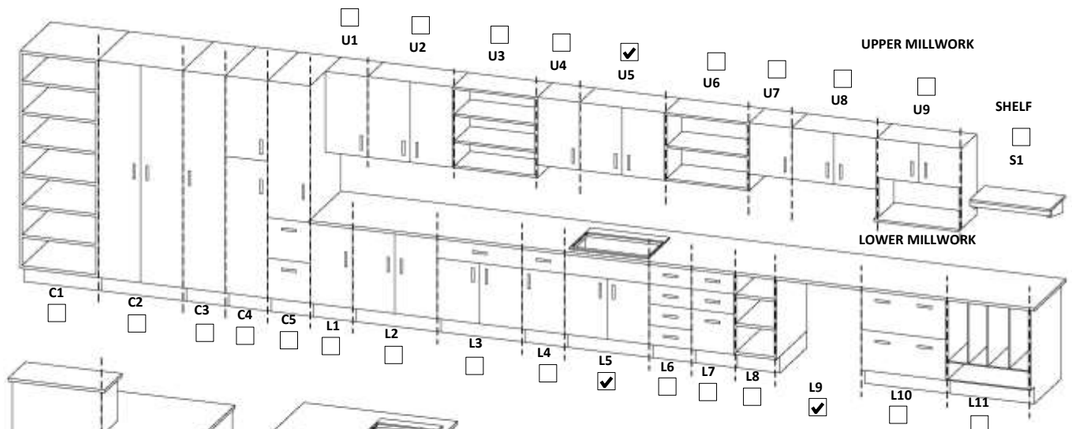
Other features: ☐ Security Grille ☐ Anti-barricade strategy

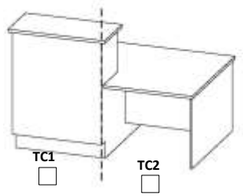
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

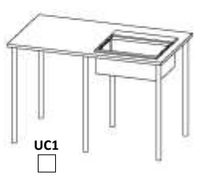
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2	Power chair	D	2								
Vital 2													
UPS	D	2	Workstation, diagnostic set	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [x] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light
- [x] Lighting Control

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: VST to c/w CP

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station																				
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Room-Maternity
Average Occupancy: 3

Program Number(s):

1. C2.7	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1065 x 2135	Solid Core	Plam	PA-01	☐	☑	2 High	☐
						☐	☐		☐

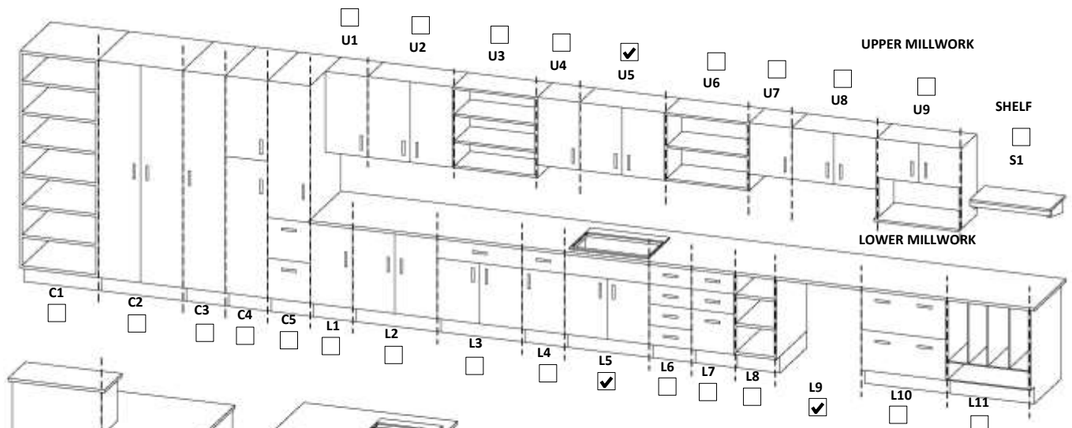
Other features: ☐ Security Grille ☐ Anti-barricade strategy

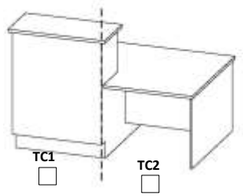
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

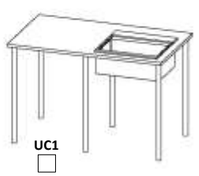
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1500	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	4	WoW charger	D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2		D	2								
Vital 2													
UPS	D	2		D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [x] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [x] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	1

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: VST to c/w CW

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station						1	CP													
Button Station											1	CB	CW	SA						
2nd Button Station	1	CB	CP	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Room-Safe
Average Occupancy: 3

Program Number(s):

1. A3.3	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	ARGWB	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:
Provide windows without sill or with slanted sill. Provide corner guards with rounded, blunt corners without edges to reduce self-harm.

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [x] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [x] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [x] Tamper Resistant screws and fittings
- [x] Vandal Resistant Ligature Resistant plumbing fixtures
- [x] Vandal Resistant Tamper Resistant pipe and valve cover
- [x] Vandal Resistant Tamper Resistant access panels
- [x] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [x] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [x] Bed Bumper / Locator

GLAZING TYPES
Exterior: | Interior:

WINDOW TREATMENT
Exterior: Integral Blinds | Interior:

DOORS
Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1220 x 2135	Aluminum	Prefinished	SL-PR-01	☐	☑		☐
A	1	1065 x 2135	Solid Core	Plam	IA-01	☐	☐	2 High	☐

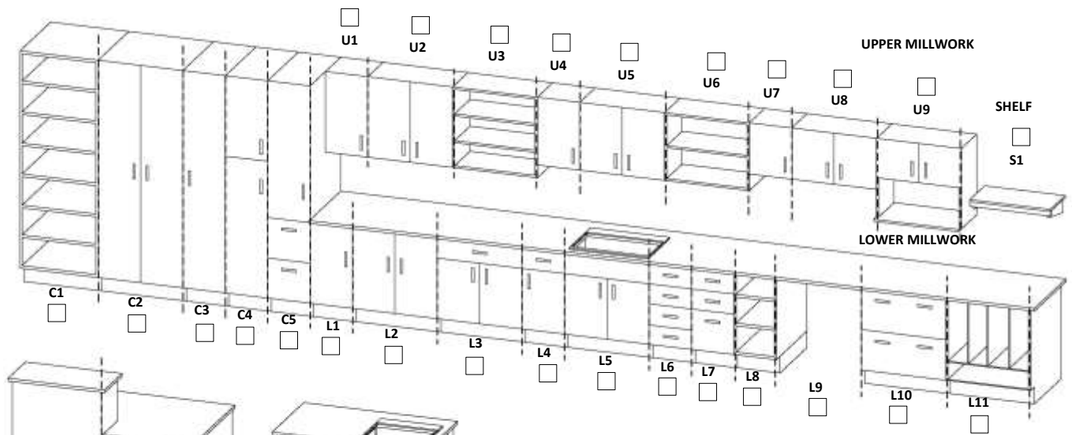
Other features: ☐ Security Grille ☑ Anti-barricade strategy

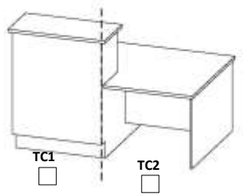
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

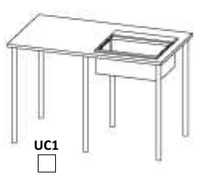
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES
Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Ligature Resistant	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain
- Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks: Controlled from Care Team Station.

VENTILATION
Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:
- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:
Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	3	Ligature Resistant	D	2								
Conditional 2													
Conditional 3	D	1	TV										
Delayed Vital	D	2	Ceiling lift										
Vital 1	D	4		D	2								
Vital 2													
UPS	D	4	Physiological monitor	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [x] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:
- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks: Provide same devices at provided at the sliding door, at the safe egress door

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	CB	CP	CW	SA															
2nd Button Station	1	RR																		
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Exam/Treatment Room-Streaming
Average Occupancy: 3

Program Number(s):

1. A4.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1220 x 2135	Aluminum	Prefinished	SL-PR-01	☐	☑		☐
						☐	☐		☐

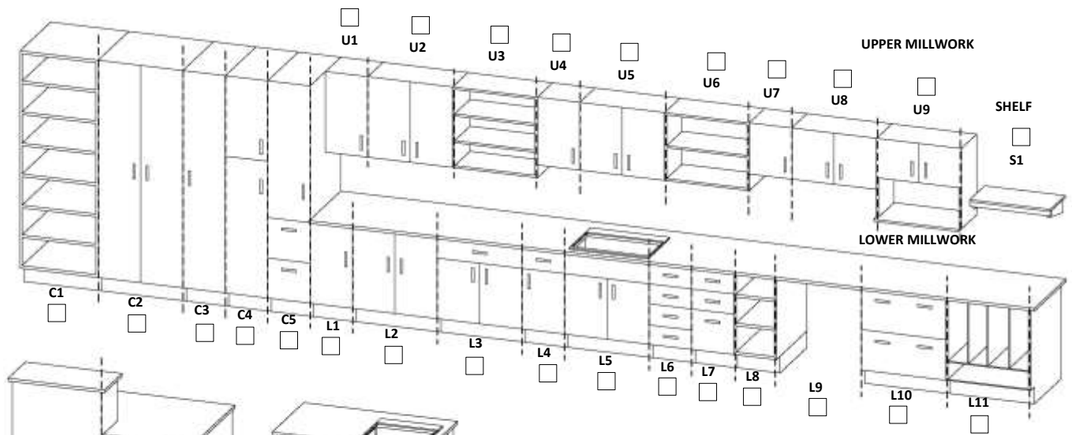
Other features: ☐ Security Grille ☐ Anti-barricade strategy

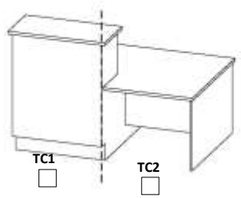
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

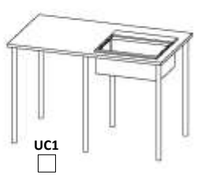
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2		D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2		D	2								
Vital 2													
UPS	D	1		D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	CB	CP	CW	SA															
2nd Button Station	1	RR																		
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Family Quiet Room
Average Occupancy: 4

Program Number(s):

1. A3.22	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1065 x 2135	Solid Core	Plam	CL-01	☐	☑	2 High	☐
						☐	☐		☐

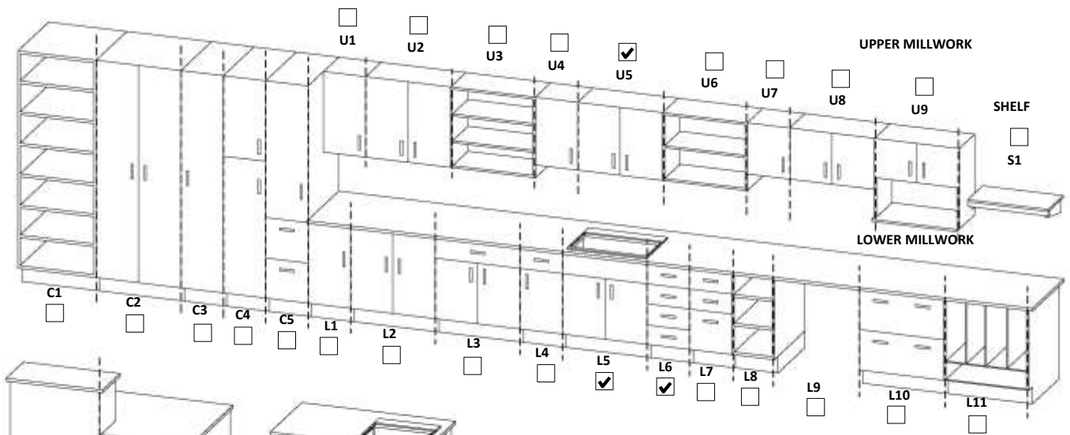
Other features: ☐ Security Grille ☑ Anti-barricade strategy

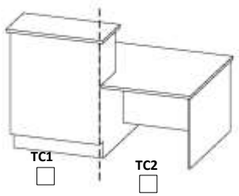
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

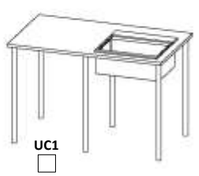
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1800	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:
NC 20 or less, minimum 6 air changes.

PLUMBING

	quantity	mounting type	faucet type	control type
Double Bowl	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	2	General use										
Conditional 2	HSKP	1											
Conditional 3	D	3	TV, toaster, kettle										
Delayed Vital	D	2	Fridge										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Manual color temperature control in addition to dimming

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Staff Station required.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA																
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Family Room
Average Occupancy: 10

Program Number(s):

1. C4.15	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks: Doors connect to adjoining Patient Room-Private-SRMC and Patient Room-Private-Nursery. No direct access from corridor.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
L	2	1065 x 2135	Solid Core	Plam	SL-04	☐	☐	1 Low	☐
						☐	☐		☐

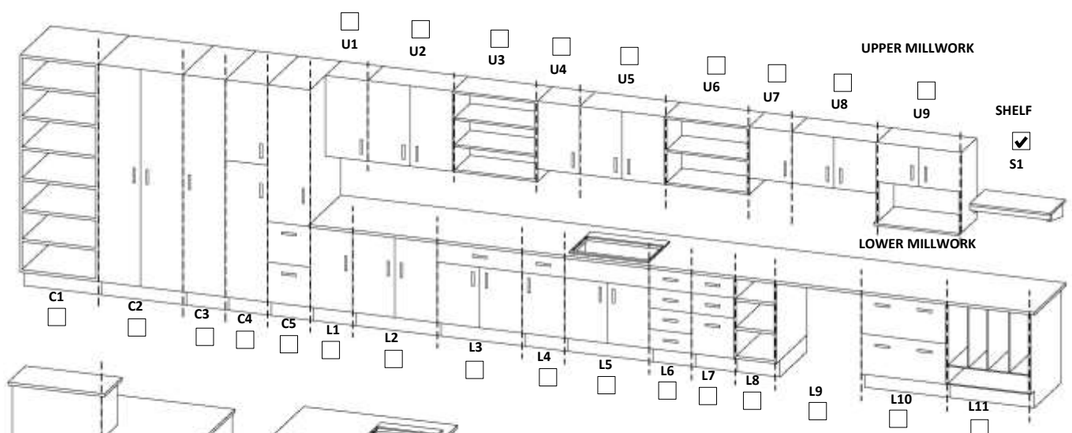
Other features: ☐ Security Grille ☐ Anti-barricade strategy

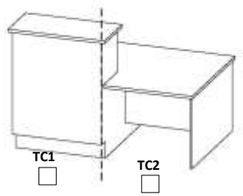
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

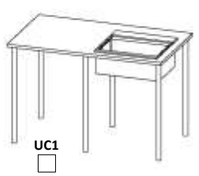
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	840	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS: 6 air changes minimum

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	Include USB outlet with each duplex receptacle.										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Dimmable lighting required

- [x] Lighting Control

Type:

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA	CP															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Holding Area-Ambulance Stretcher Triage
Average Occupancy: 2

Program Number(s):

1. A1.6	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

A	A2	B	B2	C	C2	D	D2	E	E2	F	F2	G	H	J	K	L

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

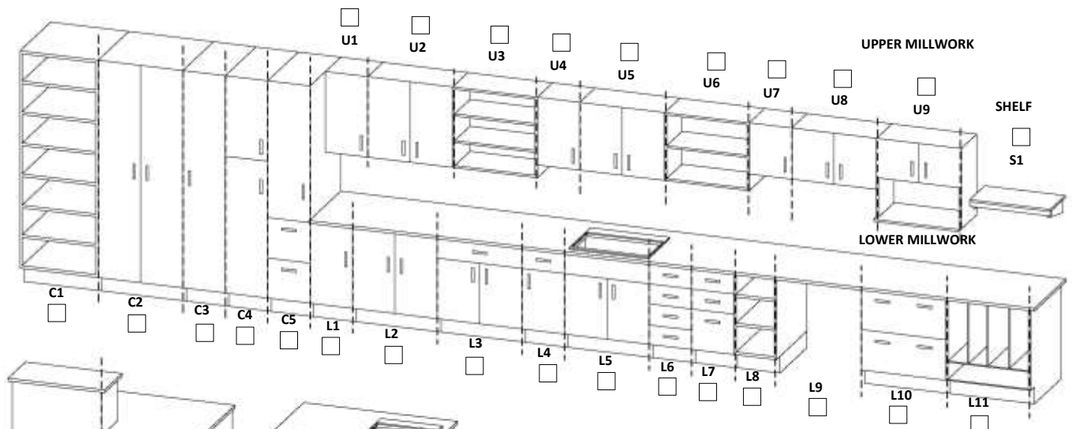
Other features: ☐ Security Grille ☐ Anti-barricade strategy

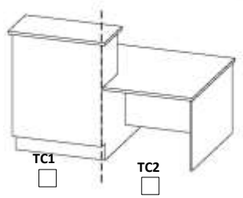
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

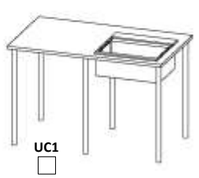
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks: 1 hand hygiene sink per 2 bays

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☑ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1							
Med Air		1							
Med Vac		1							
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1		D	2								
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1		D	2								
Vital 2													
UPS				D	2								

- ☑ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Manual on, manual off with dimmer at entrance and patient area.

- ☑ Lighting Control

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station																				
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Holding Room-Soiled
Average Occupancy: 1

Program Number(s):

1. A6.3	4. C4.4	7.	10.	13.	16.
2. B4.9	5.	8.	11.	14.	17.
3. B6.11	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION

- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☑ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Solid Core	Plam	AO-02	☐	☐	2 High	☐
						☐	☐		☐

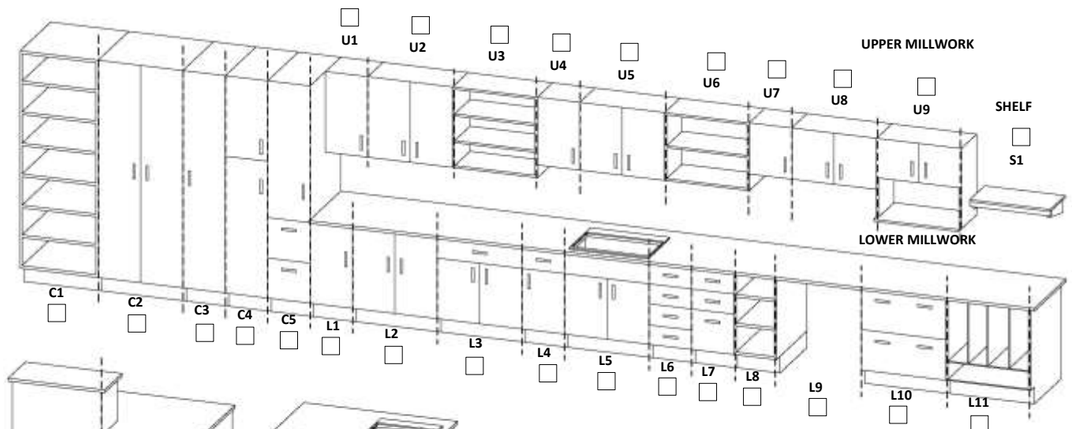
Other features: ☐ Security Grille ☐ Anti-barricade strategy

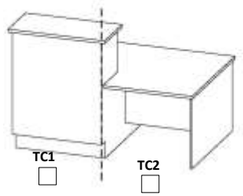
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

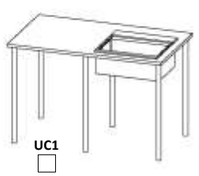
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:

- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS

- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING

- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light
- ☐ Lighting Control

Lighting Remarks:

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS

- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: | Placement: Public side | Application: | Type: CR | Request to Exit: HW Div.8

IMIT Remarks: All rooms of this type are to have card reader only for access control with the exception of A6.3.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Housekeeping Closet
Average Occupancy: 1

Program Number(s):

1. A6.5	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☑ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: Provide combination card reader + keypad.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1065 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

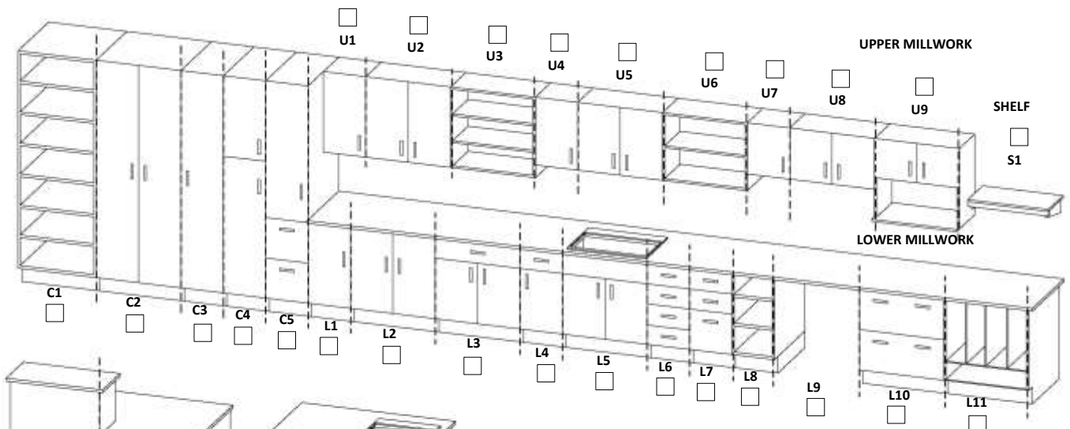
Other features: ☐ Security Grille ☐ Anti-barricade strategy

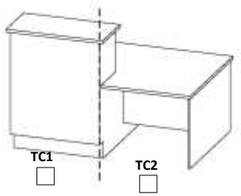
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

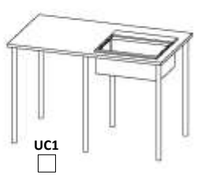
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Janitorial	1	Floor	Standard	Lever Blade

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☑ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☑ Floor Drain

Other: Detergent Dispenser

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

☑ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks:

☑ Lighting Control Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR+KP

Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Housekeeping Closet-Pharmacy
Average Occupancy: 1

Program Number(s):

1. D4.9	4.	7.
2.	5.	8.
3.	6.	9.

10.	13.	16.
11.	14.	17.
12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [x] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1065 x 2135	Solid Core	Plam	CL-01	☐	☐	2 High	☐
						☐	☐		☐

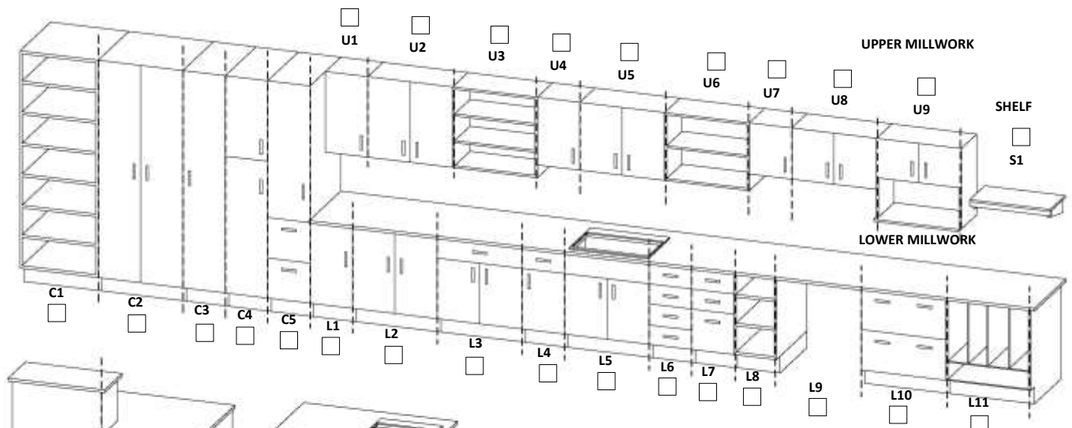
Other features: ☐ Security Grille ☐ Anti-barricade strategy

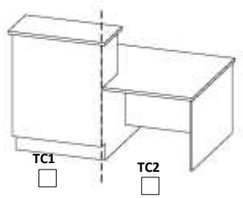
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

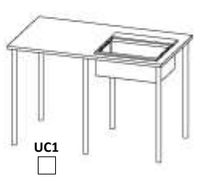
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Janitorial	1	Floor	Standard	Lever Blade

plumbing remarks

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other: Detergent Dispenser

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks

- [x] Lighting Control

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Housekeeping Room
Average Occupancy: 1

Program Number(s):

1. A6.4	4. C4.5	7.	10.	13.	16.
2. B3.7	5.	8.	11.	14.	17.
3. B6.12	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	IMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [x] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1065 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

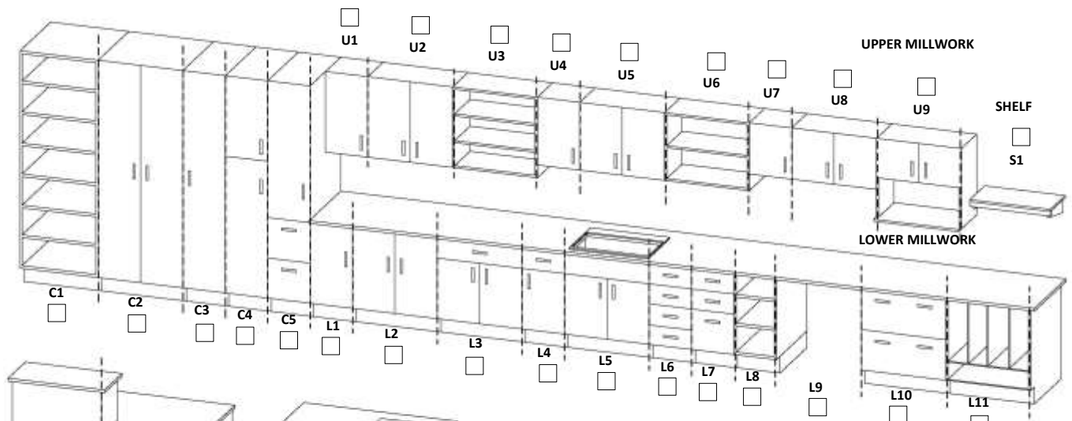
Other features: ☐ Security Grille ☐ Anti-barricade strategy

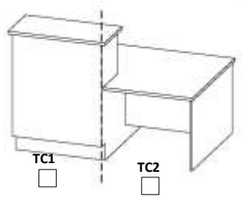
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

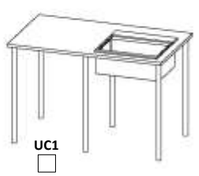
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

Provide a 12" x 24" wire shelf for auto scrubber battery charger.

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Janitorial	1	Floor	Standard	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other: Detergent Dispenser

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1											
Conditional 2	HSKP	1											
Conditional 3	D	2	Automatic dispensing machine, floor scrubber										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Placement: Public side
Application: Type: CR
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: IMIT Support Room
Average Occupancy: 1

Program Number(s):

1. E4.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☐ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☑ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: Provide type F2 door with type B panel

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1372 x 2135	Solid Core	Plam	CR-10	☐	☑	2 High	☐
						☐	☐		☐

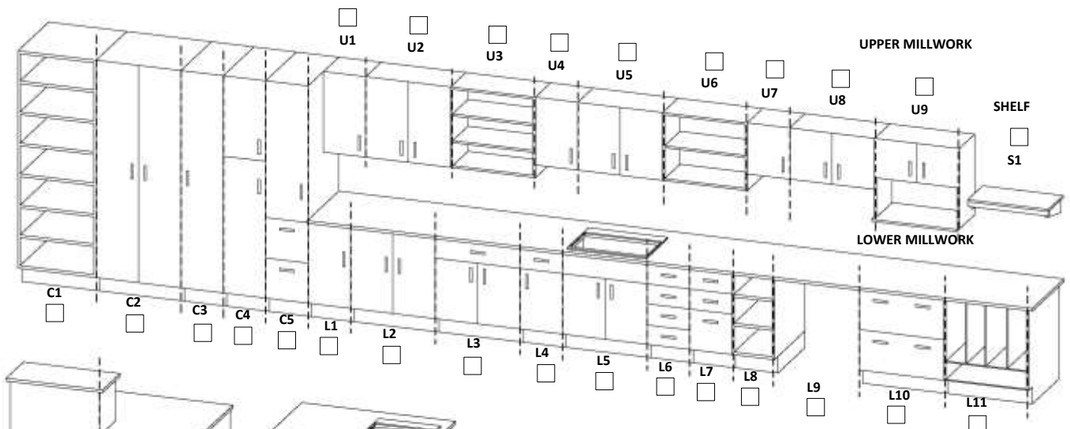
Other features: ☐ Security Grille ☐ Anti-barricade strategy

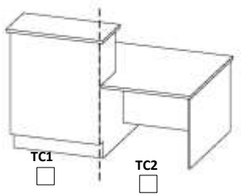
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

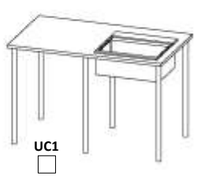
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☑ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks: Locate exhaust over battery charging station.

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3	D	2	Battery Charging station										
Delayed Vital													
Vital 1	D	2											
Vital 2	D	3	Install wire mold for all three receptacles above des										
UPS	D	2	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING
- ☑ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☑ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks:

- ☑ Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	6
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Interview Room-Triage
Average Occupancy: 3

Program Number(s):

1. A1.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior
	Integral Blinds

DOORS

Door Remarks: Sliding window in fixed door panel.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1220 x 2135	Aluminum	Prefinished	SL-PR-02	[ ]	[x]		[ ]
B	1	914 x 2135	Aluminum	Prefinished	CR-01	[ ]	[x]		[ ]

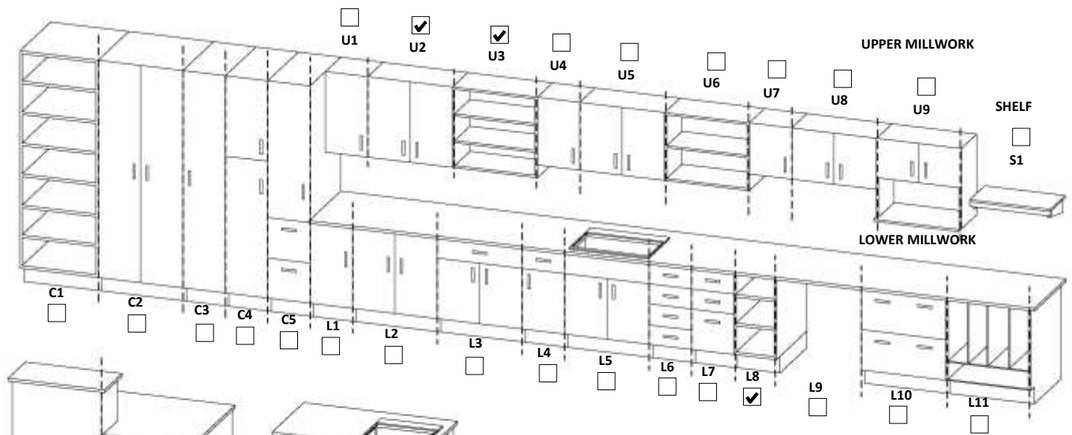
Other features: [ ] Security Grille [ ] Anti-barricade strategy

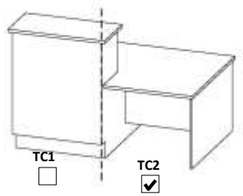
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

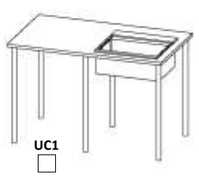
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3300	[ ]	[ ]	[ ]	[x]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1	D	3											
Vital 2													
UPS	D	2	Computer workstation										

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Manual on, manual off with dimmer at entrance and patient area.

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [x] Remote Release

Location:
Placement: Both sides
Application:
Type: CR
Request to Exit:

IMIT Remarks: Data for future one-cell medication management system

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	PA																
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	1
EPCA Station	
Other: Notif. Bell Button	1

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Isolette Cleaning Room
Average Occupancy: 1

Program Number(s):

1. C4.14	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: Automatic door opener.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-02	☐	☑	2 High	☐
						☐	☐		☐

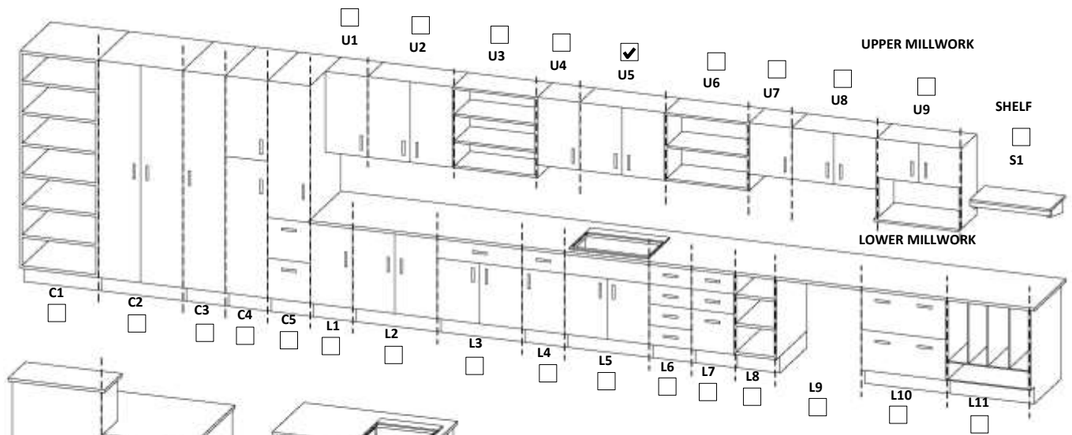
Other features: ☐ Security Grille ☐ Anti-barricade strategy

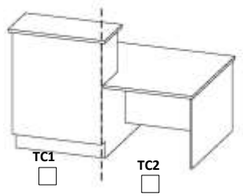
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

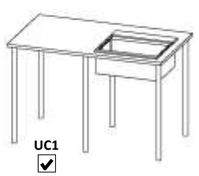
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Stainless Steel
Countertop:	Stainless Steel
Lower Millwork:	Stainless Steel
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks: 10 air changes.

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	One dedicated for incubator self-cleaning cycle.										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital	D	2											
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Public side
Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: IV Prep Room
Average Occupancy: 2

Program Number(s):

1. D4.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	MMRGWB	Paint
Floor	Resilient	Non-Skid
Base:		

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-03	☐	☐	2 High	☐
						☐	☐		☐

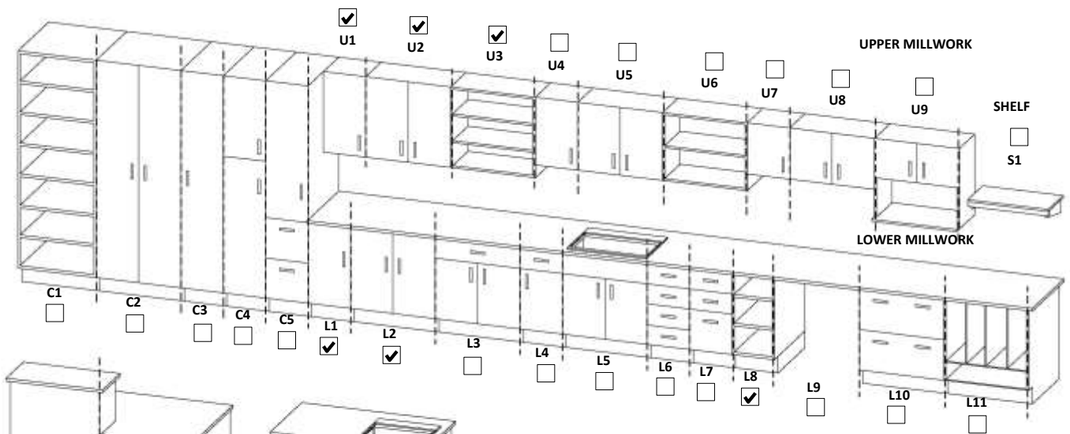
Other features: ☐ Security Grille ☐ Anti-barricade strategy

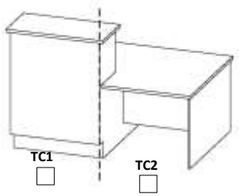
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

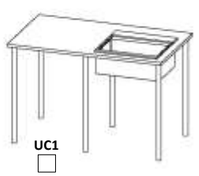
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	4500	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Stainless Steel
Countertop:	Stainless Steel
Lower Millwork:	Stainless Steel
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	3											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1	D	3											
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Manual on/off with dimming only, sweep off during department after

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [x] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Lockers/Changing Room-Staff
Average Occupancy: 2

Program Number(s):

1. D5.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	MMRGWB	Paint
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:
Provide coat rod for Staff to hang jackets.

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	KP-01	☐	☐	1 Low	☐
						☐	☐		☐

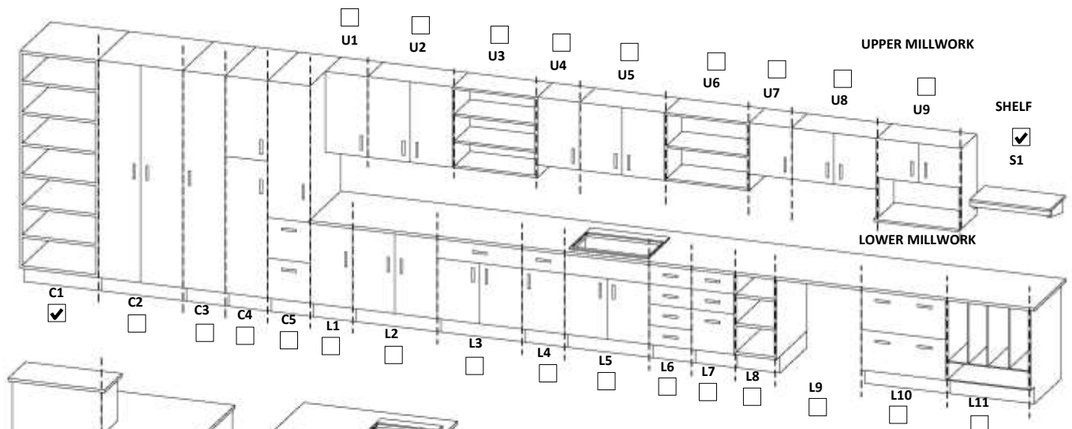
Other features: ☐ Security Grille ☐ Anti-barricade strategy

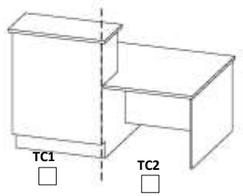
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

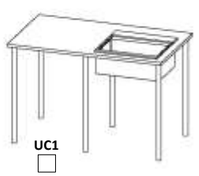
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2000	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:
9 air changes minimum.

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: KP
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Lockers/Storage-Staff
Average Occupancy: 2

Program Number(s):

1. A1.11.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	MMRGWB	Paint
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						[ ]	[ ]		[ ]
						[ ]	[ ]		[ ]

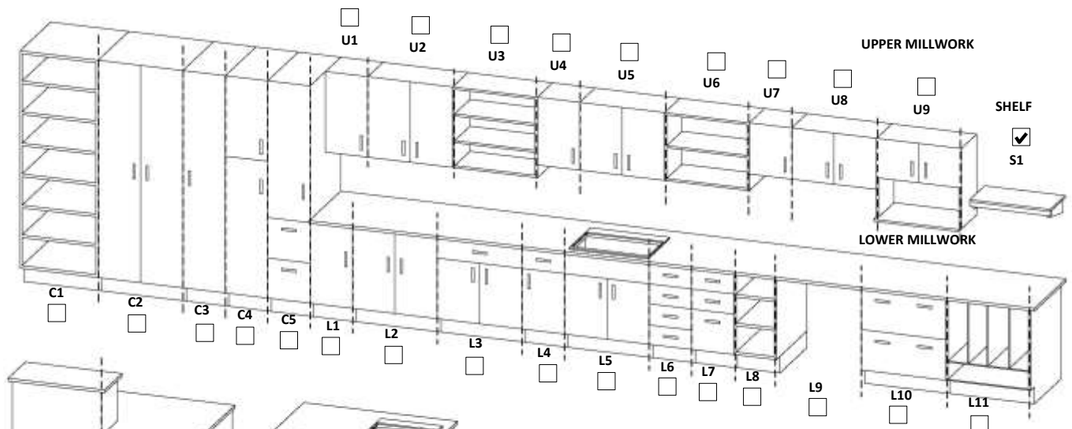
Other features: [ ] Security Grille [ ] Anti-barricade strategy

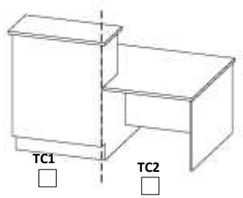
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

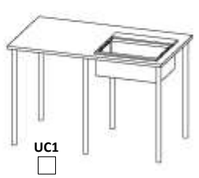
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	600	[ ]	[ ]	[ ]	[ ]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:
9 air changes minimum.

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1													
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Lockers-On-Call
Average Occupancy: 2

Program Number(s):

1. A7.6	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	MMRGWB	Paint
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	CR-01	☐	☐	1 Low	☐
						☐	☐		☐

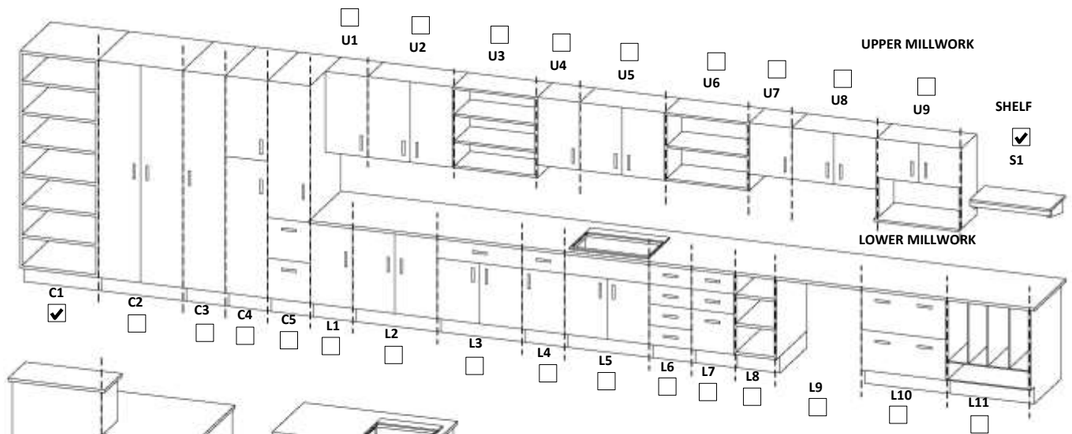
Other features: ☐ Security Grille ☐ Anti-barricade strategy

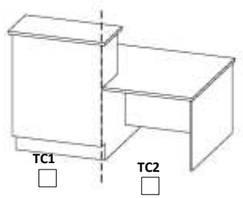
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

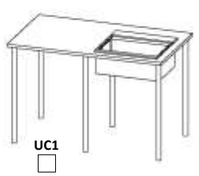
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1000	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:
9 air changes minimum.

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Placement: Public side

Application: Type: KP

Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Lockers-Staff
Average Occupancy: 2

Program Number(s):

1. A7.1.1	4.	7.	10.	13.	16.
2. B8.1.1	5.	8.	11.	14.	17.
3. C5.1.1	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	MMRGWB	Paint
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:
In B8.1.1, provide coat rod for Staff to hang jackets in lieu of coat hooks.

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

GLAZING TYPES
Exterior: EXT-2 | Interior:

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WINDOW TREATMENT
Exterior: Privacy Film | Interior:

DOORS
Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	CR-01	☐	☐	1 Low	☐
						☐	☐		☐

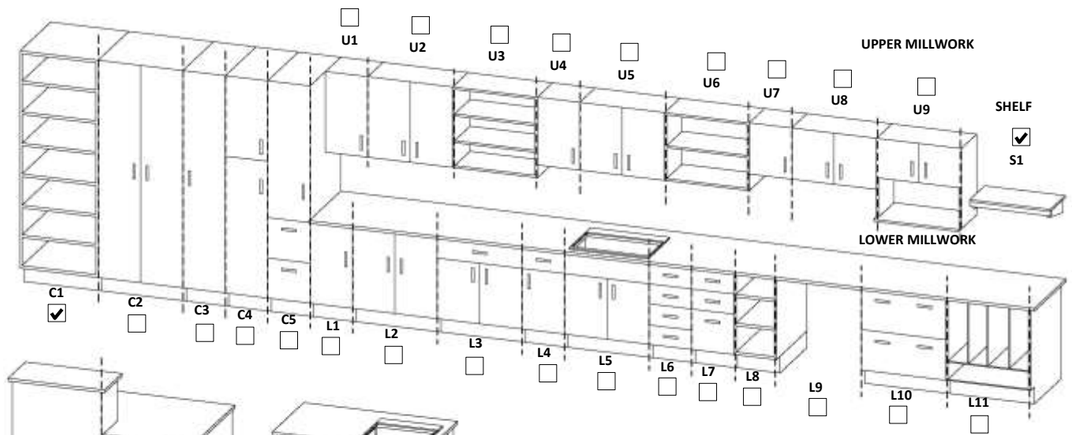
Other features: ☐ Security Grille ☐ Anti-barricade strategy

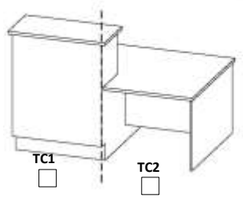
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

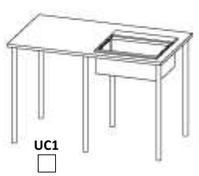
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2000	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:
9 air changes minimum.

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION
Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:
- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:
- [x] Lighting Control

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: | Placement: Public side
Application: | Type: KP
Request to Exit: MS

IMIT Remarks: No Tone Station for B8.1.1

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Lounge-Staff
Average Occupancy: 8

Program Number(s):

1. B8.1	4.	7.	10.	13.	16.
2. C5.1	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks: Provide non-skid flooring for B8.1. No coat hooks required for B8.1.

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	PA-01	☐	☐	1 Low	☐
						☐	☐		☐

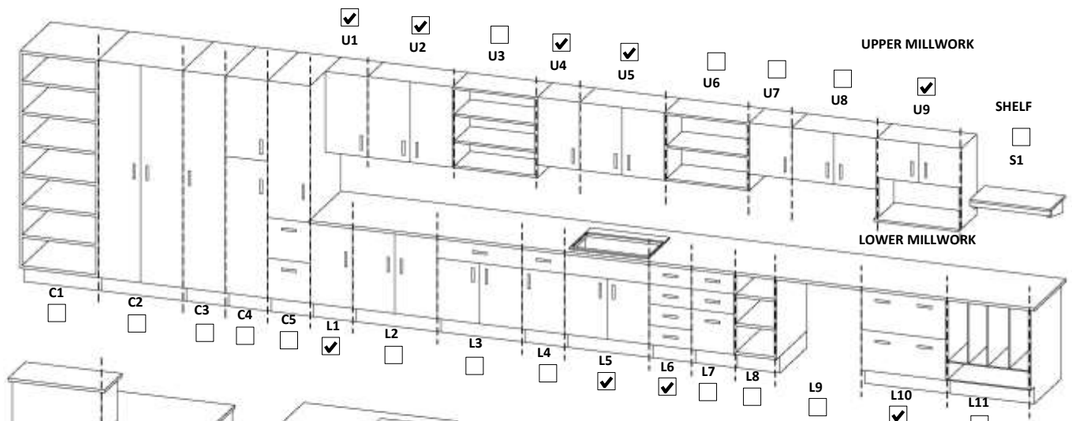
Other features: ☐ Security Grille ☐ Anti-barricade strategy

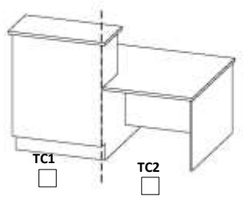
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

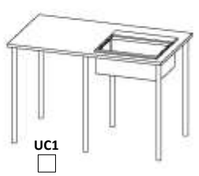
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1800	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

For C5.1 only: Millwork required is U2, U5, L5, L6, L9, L10.

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Double Bowl	1	Integrally Formed	Standard	Lever Blade

plumbing remarks: Hand hygiene sink for B8.1 to be located in corridor outside the room.

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other: Dishwasher and coffee maker

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	6	Above counter GFCI										
Conditional 2	HSKP	1											
Conditional 3	D	2	General use										
Delayed Vital	D	2	Fridge, dishwasher										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Daylight sensor, manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Lounge-Staff/Meeting Room
Average Occupancy: 4

Program Number(s):

1. D5.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:
See Schedule 1, Section 6.8.16.6(6) for additional exterior glazing requirements.

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	914 x 2135	Solid Core	Plam	KP-01	☐	☐	1 Low	☐
						☐	☐		☐

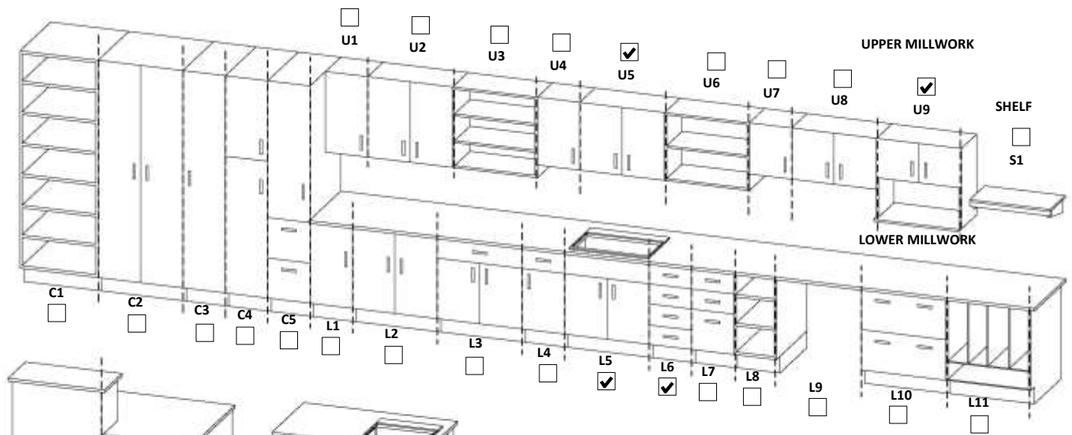
Other features: ☐ Security Grille ☐ Anti-barricade strategy

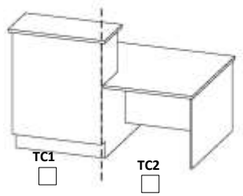
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

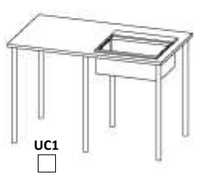
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1200	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Standard	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other: Dishwasher and coffee maker

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	6	2 above counter GFCI										
Conditional 2	HSKP	1											
Conditional 3	D	1											
Delayed Vital	D	2											
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Daylight sensor, manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	3
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [x] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Placement: Public side
Application: Type: KP
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Lounge-Staff-Large
Average Occupancy: 12

Program Number(s):

1. A7.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	PA-01	☐	☐	1 Low	☐
						☐	☐		☐

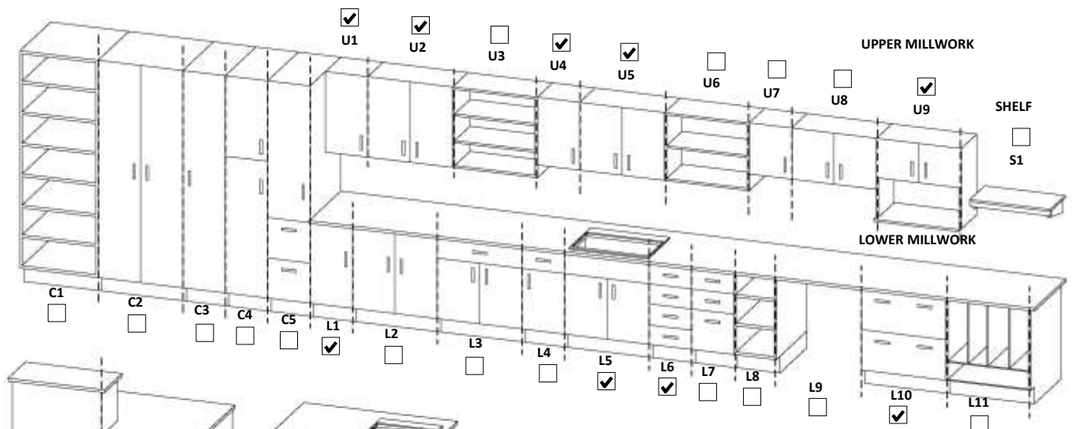
Other features: ☐ Security Grille ☐ Anti-barricade strategy

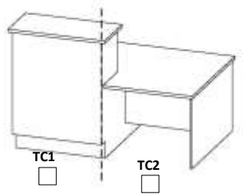
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

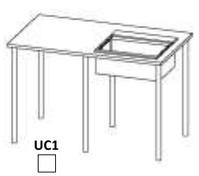
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3600	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Double Bowl	1	Integrally Formed	Standard	Lever Blade

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other: Dishwasher and coffee maker

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	5	3 above counter GFCI										
Conditional 2	HSKP	1											
Conditional 3	D	1	Computer workstation										
Delayed Vital	D	2	Fridge										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Daylight sensor, manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Medication Room
Average Occupancy: 3

Program Number(s):

1. A3.20	4.	7.	10.	13.	16.
2. B3.4	5.	8.	11.	14.	17.
3. B6.8	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: Provide type K door with type G sliding panel

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1220 x 2135	Aluminum	Prefinished	AO-01	☐	☐		☑
K	1	1220 x 2135	Solid Core	Plam	SL-01	☐	☐	1 Low	☐

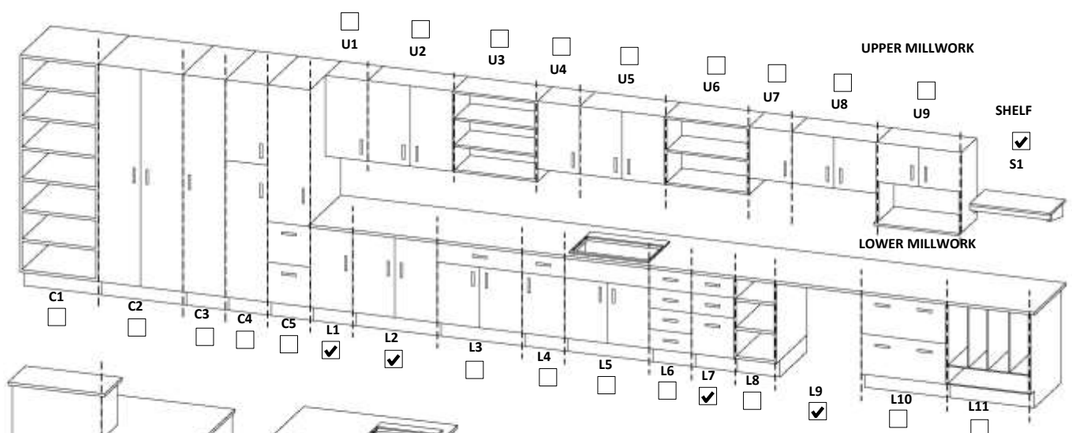
Other features: ☐ Security Grille ☐ Anti-barricade strategy

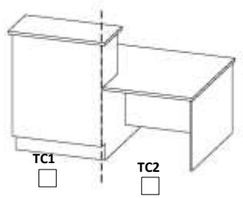
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

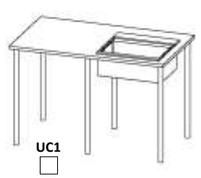
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3500	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	Additional for Omnicell machines as required										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital	D	1	Ice machine										
Vital 1	D	2	Fridge and medication\ dispensing machine										
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Secure side
Placement: Both sides
Application: ID
Type: CR
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Medication Room-Maternity
Average Occupancy: 3

Program Number(s):

1. C3.3	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: Provide type K door with type G sliding panel

Door types:

A A2 B B2 C C2 D D2 E E2 F F2 G H J K L

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1220 x 2135	Aluminum	Prefinished	AO-01	☐	☐		☑
						☐	☐		☐

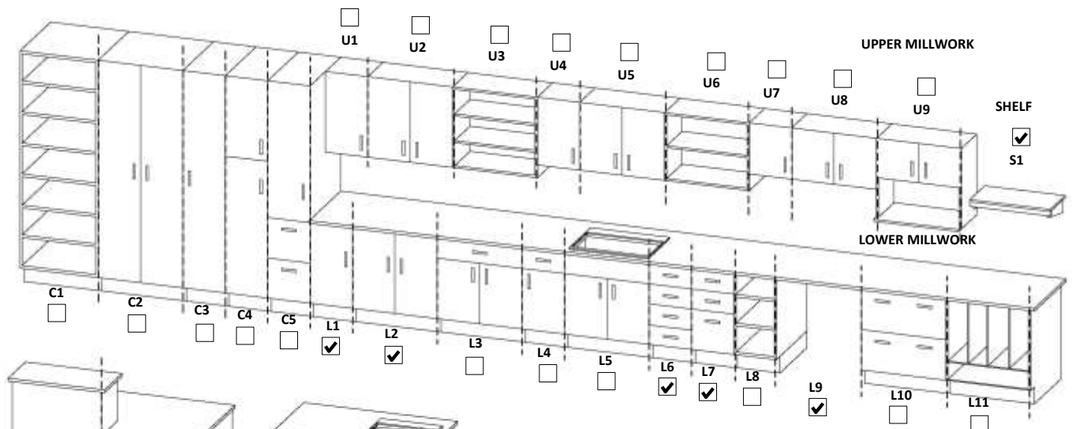
Other features: ☐ Security Grille ☐ Anti-barricade strategy

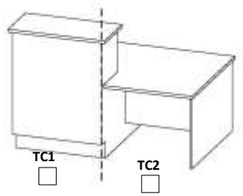
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

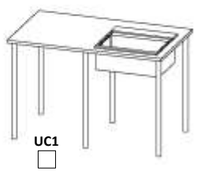
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	2100	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	Add additional for Omnicell machines as required										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital	D	3	Fridge, freezer										
Vital 1	D	2	Medication dispensing machine										
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Secure side
Placement: Both sides
Application: ID
Type: CR
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Meeting Room
Average Occupancy: 8

Program Number(s):

1. A5.1	4.	7.	10.	13.	16.
2. C5.3	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks: Provide hardware group CR-01 for C5.3 only.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	CL-01	[x]	[ ]	1 Low	[ ]
						[ ]	[ ]		[ ]

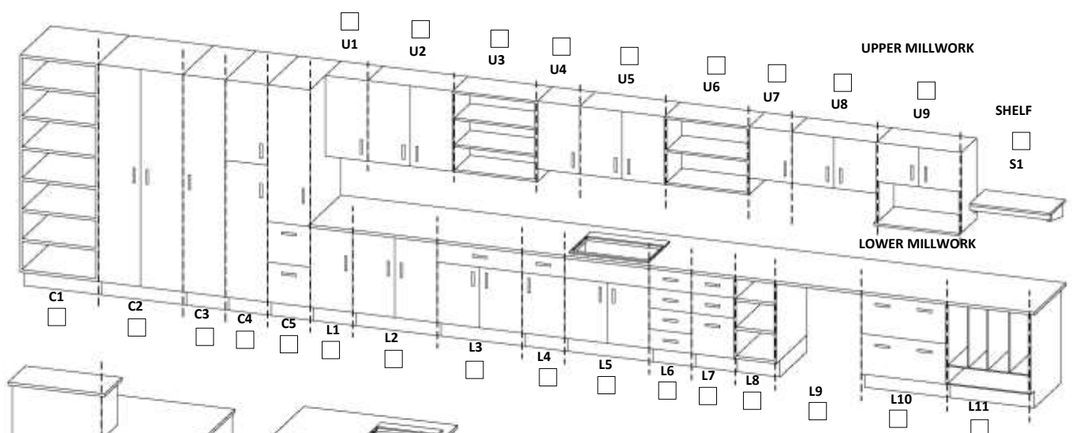
Other features: [ ] Security Grille [ ] Anti-barricade strategy

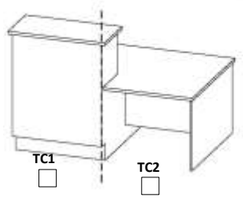
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

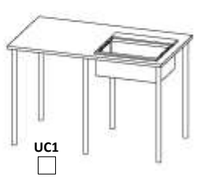
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		[ ]	[ ]	[ ]	[ ]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:
For C5.3 only: Med Gas Other requirements are O2: 2, Med Air: 2, Med Vac: 2.

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	4											
Conditional 2	HSKP	1											
Conditional 3	D	3	TV, Floor box per IMIT requirement										
Delayed Vital													
Vital 1	D	2											
Vital 2	D	1	Located in flush mounted floor box										
UPS	D	2	Computer workstation. Located in flush mounted flo										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [x] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: KP
Request to Exit: MS

IMIT Remarks: Access control for C5.3 only: CR , location: Public Side.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Meeting Room-Large
Average Occupancy: 12

Program Number(s):

1. B4.7	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	CL-01	[x]	[ ]	1 Low	[ ]
						[ ]	[ ]		[ ]

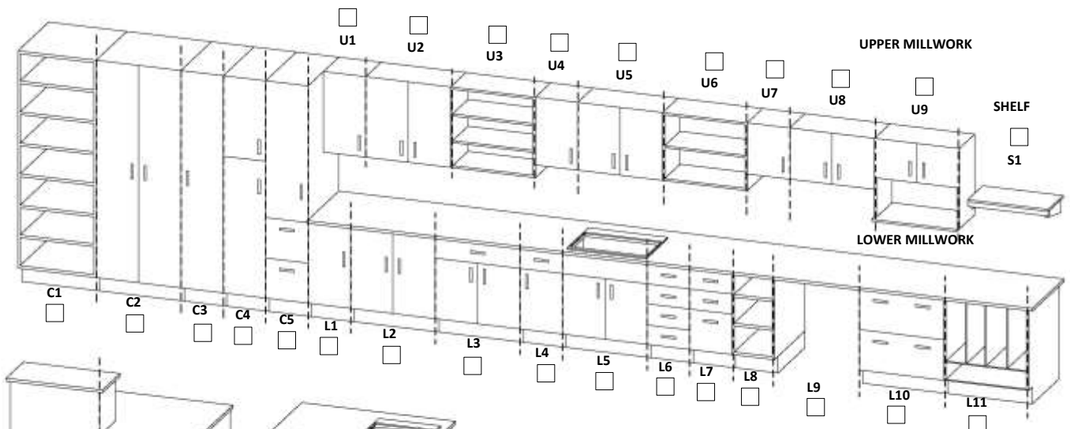
Other features: [ ] Security Grille [ ] Anti-barricade strategy

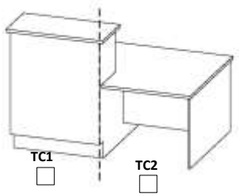
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

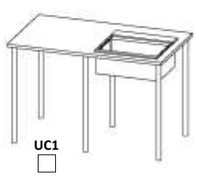
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		[ ]	[ ]	[ ]	[ ]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	5	Computer, TV, Presentation TV										
Conditional 2	HSKP	1											
Conditional 3	D	6	General use, floor box per IMIT requirement										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [x] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Public side
Application: Type: KP
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Multipurpose Room/EOC
Average Occupancy: 25

Program Number(s):

1. E2.1	4.	7.
2.	5.	8.
3.	6.	9.

10.	13.	16.
11.	14.	17.
12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	IRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1065 x 2135	Solid Core	Plam	CL-01	[x]	[ ]	1 Low	[ ]
A	1	1065 x 2135	Solid Core	Plam	CR-01	[ ]	[ ]	1 Low	[ ]

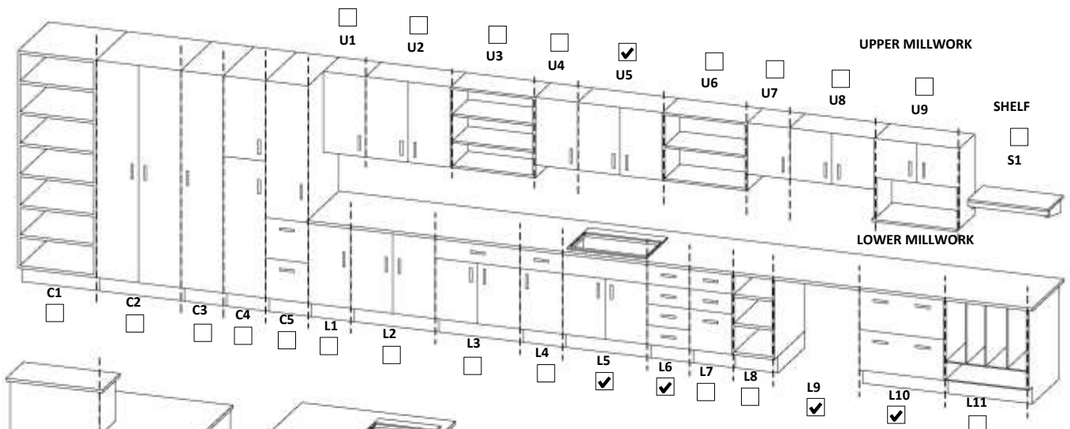
Other features: [ ] Security Grille [ ] Anti-barricade strategy

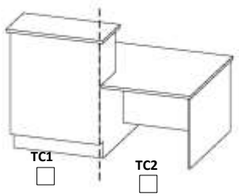
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

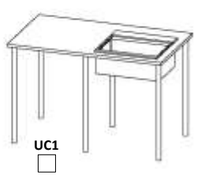
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	6000	[ ]	[ ]	[ ]	[x]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Double Bowl	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2	3								
Med Air	3								
Med Vac	3								
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	6											
Conditional 2	HSKP	1											
Conditional 3	D	4											
Delayed Vital													
Vital 1	D	2	General use										
Vital 2													
UPS	D	4	Active equipment										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Dimmable lighting required

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	8
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [x] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Multipurpose Room-Family
Average Occupancy: 10

Program Number(s):

1. B7.6	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	IRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	CL-01	☐	☑	2 High	☐
K	2	914 x 2135	Solid Core	Plam	SL-03	☐	☑	2 High	☐

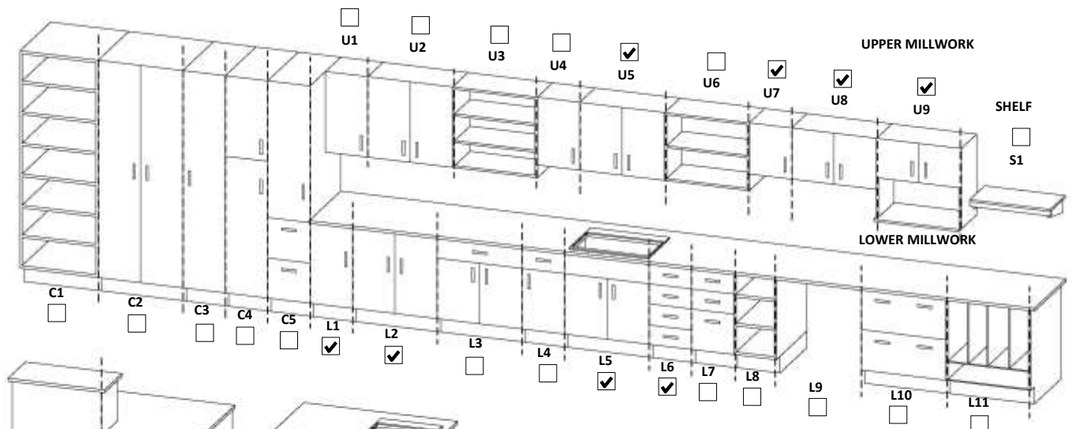
Other features: ☐ Security Grille ☐ Anti-barricade strategy

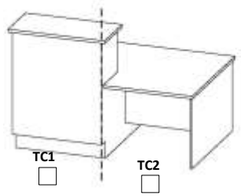
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

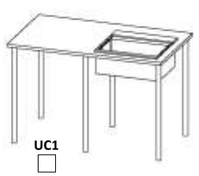
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1800	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:
6 air changes minimum

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Double Bowl	1	Integrally Formed	Standard	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	3											
Conditional 2	HSKP	1											
Conditional 3	D	2	TV										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Dimmable lighting required

- [x] Lighting Control

Type:

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	3
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [x] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: TV outlet without NC

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA																
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Observation/Holding Room
Average Occupancy: 3

Program Number(s):

1. A3.13	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	MMRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1220 x 2135	Aluminum	Prefinished	SL-PR-01	☐	☑		☐
						☐	☐		☐

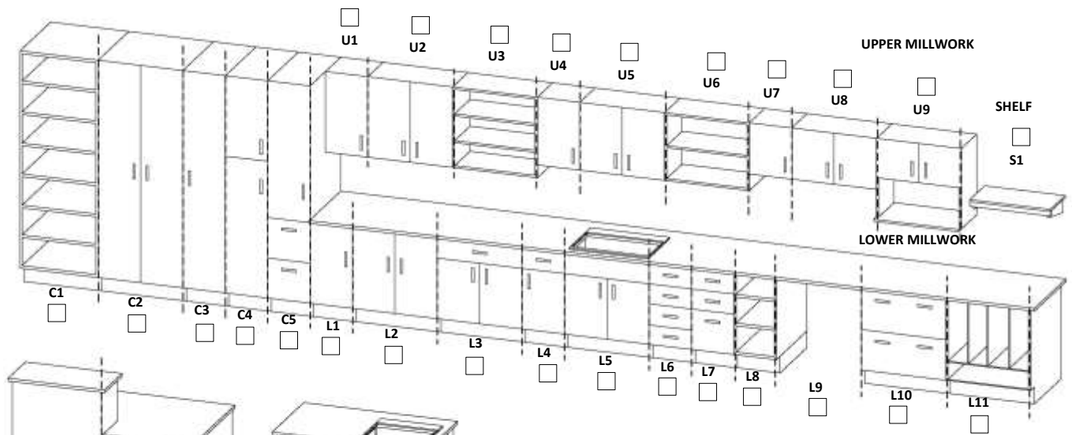
Other features: ☐ Security Grille ☐ Anti-barricade strategy

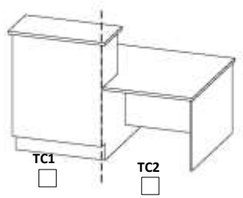
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

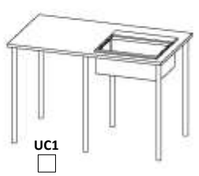
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use	D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital													
Vital 1	D	1	General use	D	2								
Vital 2													
UPS	D	2	Diagnostic set, computer workstation	D	1								

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Feature bed required as well as 2 x 1/4" inputs

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station																				
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Office-Aboriginal Patient Navigator
Average Occupancy: 2

Program Number(s):

1. A1.12	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: Dual egress.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	OF-01	[x]	[ ]	2 High	[x]
A	1	914 x 2135	Solid Core	Plam	OF-01	[x]	[ ]	2 High	[x]

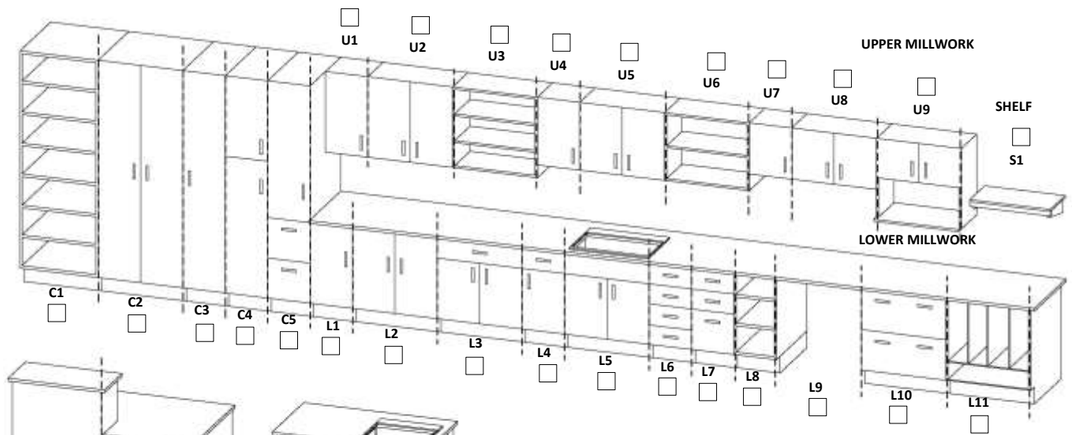
Other features: [ ] Security Grille [ ] Anti-barricade strategy

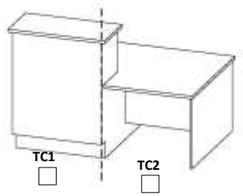
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

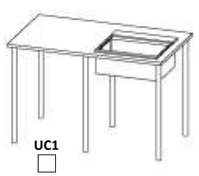
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		[ ]	[ ]	[ ]	[ ]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	2	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type:

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Office-Private
Average Occupancy: 2

Program Number(s):

1. A5.2	4. D5.3	7.	10.	13.	16.
2. B4.5	5.	8.	11.	14.	17.
3. C5.4	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:
Exterior glazing and exterior window treatment requirements apply to D5.3 only. See Schedule 1, Section 6.8.16.6(6) for additional exterior glazing requirements for D5.3.

WALL PROTECTION
- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	OF-01	☑	☐	1 Low	☑
						☐	☐		☐

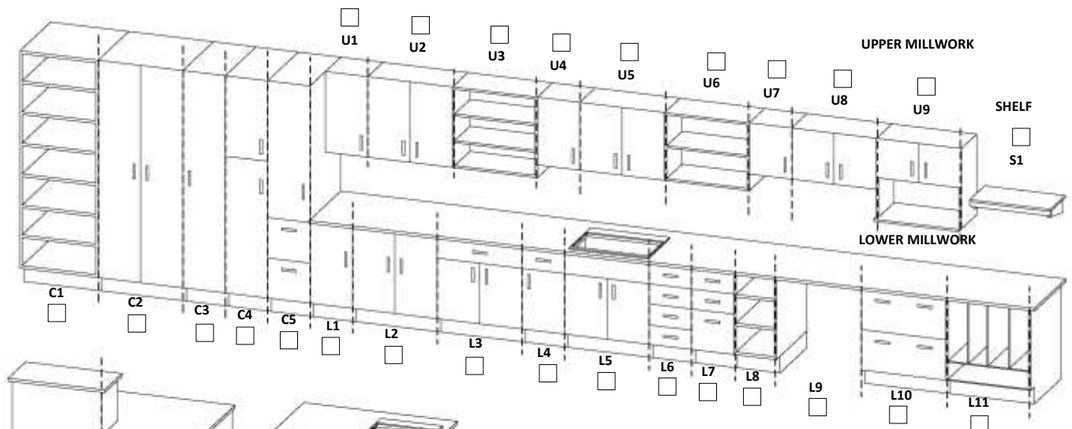
Other features: ☐ Security Grille ☐ Anti-barricade strategy

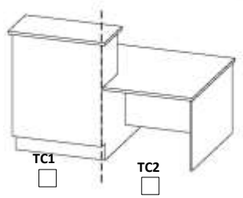
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	2	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: D.3 does not require a 4 button station or any nurse call functionality.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Office-Security
Average Occupancy: 1

Program Number(s):

1. A1.11	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Non-Skid
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: Door requires INT-3 interior glazing type.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	914 x 2135	Solid Core	Plam	CR-01	[x]	[x]	2 High	[ ]
						[ ]	[ ]		[ ]

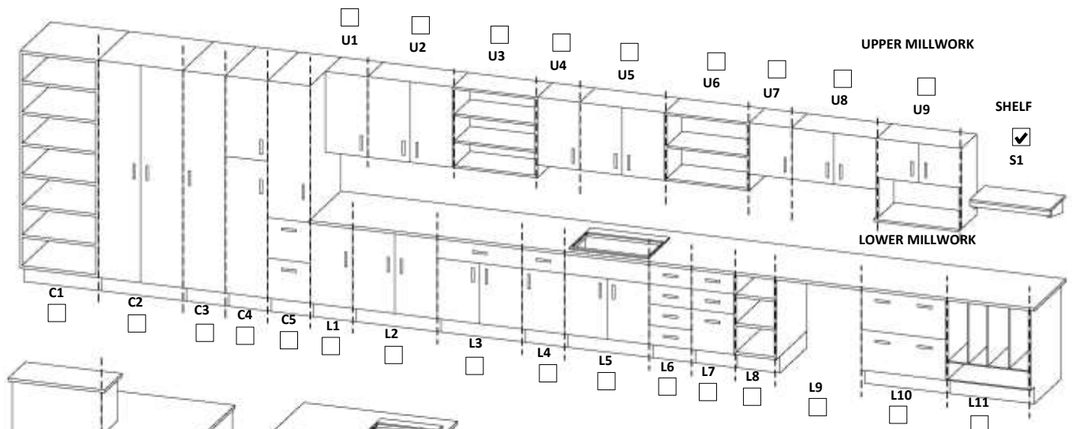
Other features: [ ] Security Grille [ ] Anti-barricade strategy

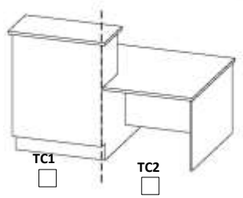
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1200	[ ]	[ ]	[ ]	[ ]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	2	General use										
Conditional 2	D	2	Radio recharging stations										
Conditional 3	D	2	Printer, shredder										
Delayed Vital	D	1	Fridge										
Vital 1													
Vital 2													
UPS	D	3	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	3
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [x] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [x] Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Office-Shared
Average Occupancy: 2

Program Number(s):

1. A5.3	4. C5.5	7.	10.	13.	16.
2. B4.6	5.	8.	11.	14.	17.
3. B6.4	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	OF-01	☑	☐	1 Low	☑
						☐	☐		☐

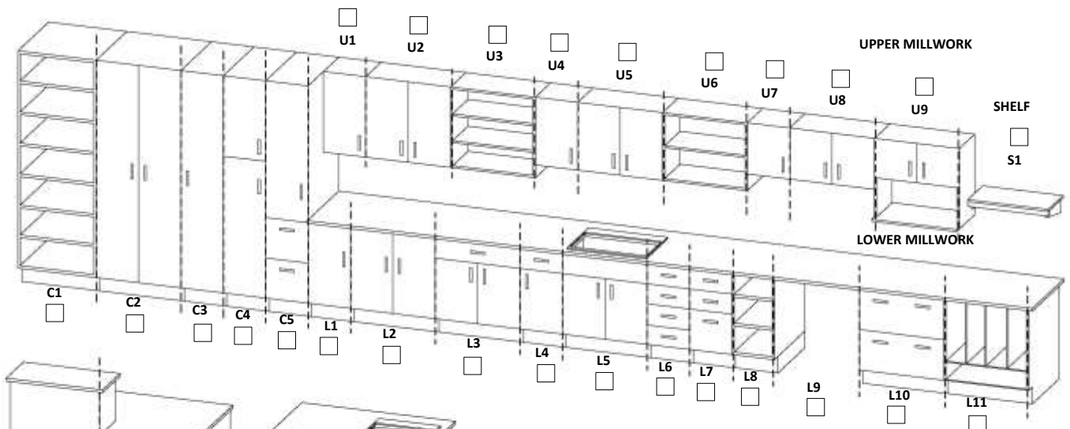
Other features: ☐ Security Grille ☐ Anti-barricade strategy

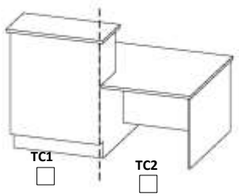
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

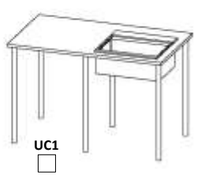
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	2	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	4	2 workstations										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	4
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: D.3 does not require a 4 button station or any nurse call functionality.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Office-Shared, ET
Average Occupancy: 2

Program Number(s):

1. B4.8	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	CR-10	☐	☑	2 High	☐
						☐	☐		☐

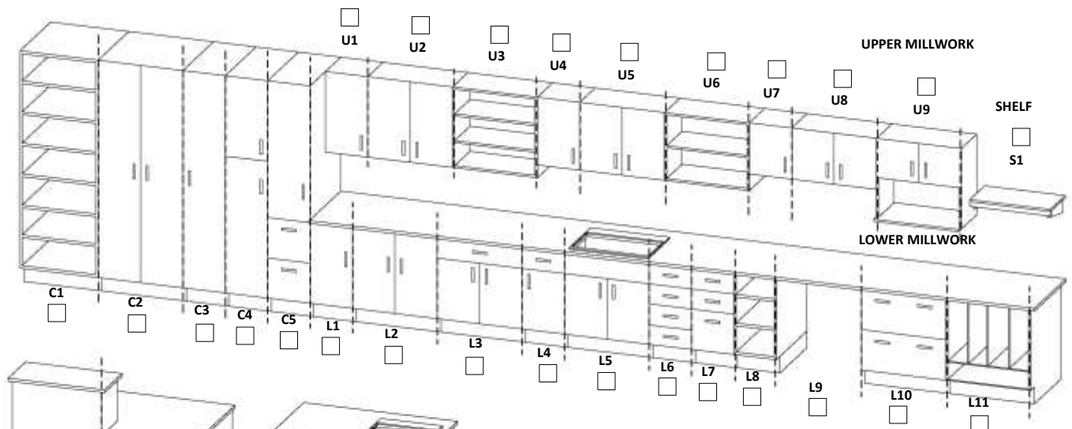
Other features: ☐ Security Grille ☐ Anti-barricade strategy

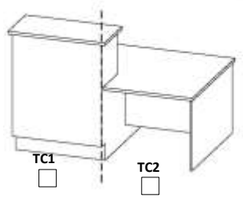
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

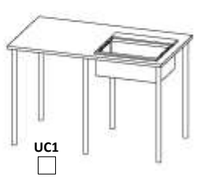
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2	1								
Med Air	1								
Med Vac	1								
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	2	General use										
Conditional 2	HSKP	1											
Conditional 3	D	1	Same height as the bed plug under the gases										
Delayed Vital													
Vital 1	D	1	Same height as the bed plug under the gases										
Vital 2													
UPS	D	4	2 workstations										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	4
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks: D.3 does not require a 4 button station or any nurse call functionality.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: On-Call Room
Average Occupancy: 1

Program Number(s):

1. A7.5	4.	7.	10.	13.	16.
2. C5.6	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	OF-02	☐	☐	1 Low	☐
						☐	☐		☐

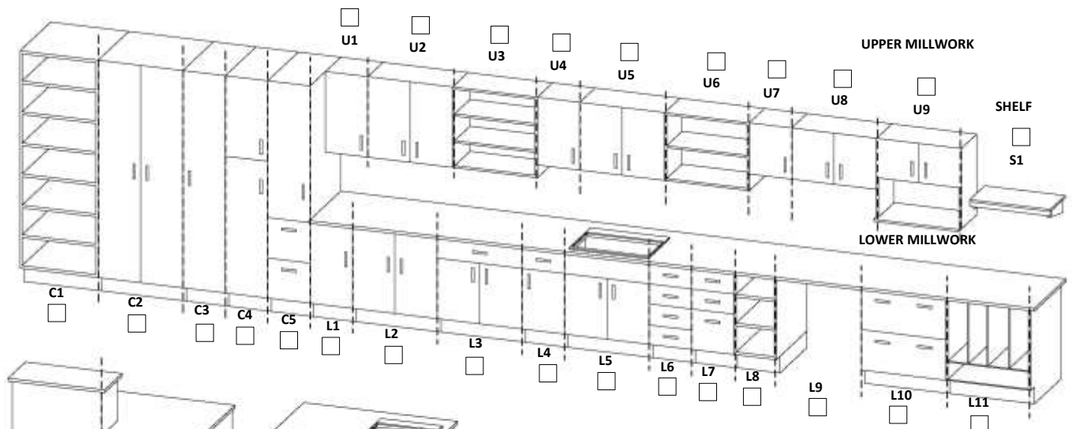
Other features: ☐ Security Grille ☐ Anti-barricade strategy

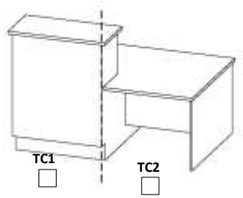
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

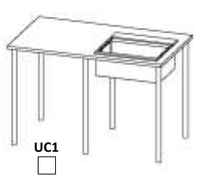
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2	HSKP	1											
Conditional 3	D	3	One by bed to be USB charger type, two above table										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [x] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Bedhead lighting control

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: CR+KP
Request to Exit: HFS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW																	
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Order Entry Area
Average Occupancy: 5

Program Number(s):

1. D3.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:
Prevent views into this space from outside by providing exterior glazing with privacy film. See Schedule 1, Section 6.8.16.6(6) for additional exterior glazing requirements.

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Crash Rails
- [ ] Hand Rails
- [x] Sheet
- [ ] Chair Rail
- [ ] Bed Bumper / Locator
- [ ] Wall Padding

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						[ ]	[ ]		[ ]
						[ ]	[ ]		[ ]

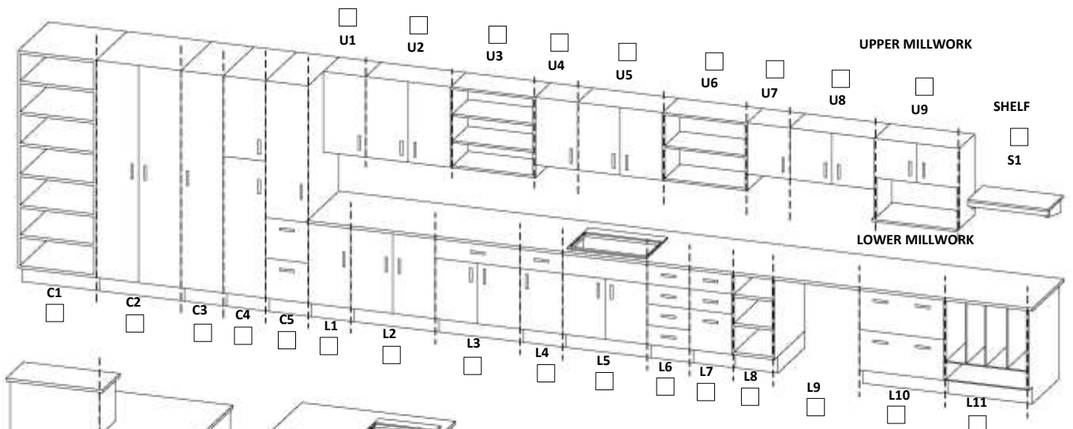
Other features: [ ] Security Grille [ ] Anti-barricade strategy

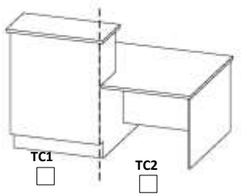
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

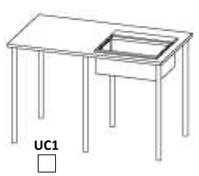
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		[ ]	[ ]	[ ]	[x]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

Ventilation Remarks:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	2	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	5	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	6
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Patient Room-Private
Average Occupancy: 2

Program Number(s):

1. B2.1	4.	7.	10.	13.	16.
2. B5.1	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:
Provide two (2) B2.1 with: Ceiling Materials and Finish, Room Accessories and Harm Prevention requirements as set out for A3.5; whiteboard; windows w/o sill or with slanted sill; corner guards w/ rounded, blunt corners w/o edges to reduce self-harm; EXT-1

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [x] Hand Rails
- [x] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	PR-01	☐	☑	2 High	☐
						☐	☐		☐

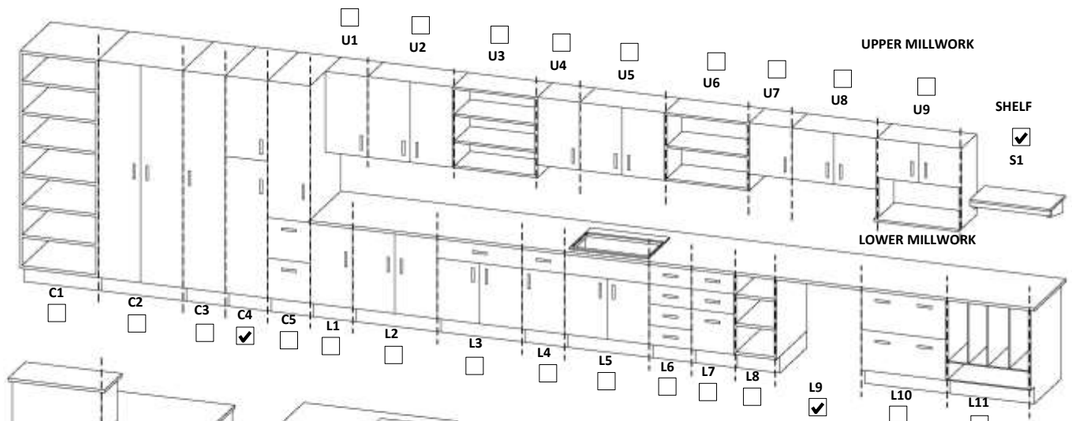
Other features: ☐ Security Grille ☑ Anti-barricade strategy

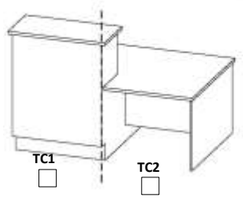
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1500	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks: Provide two (2) B2.1 with room control to be controlled from Care Team Station.

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	2	General use, USB charging for family side	D	2								
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital													
Vital 1	D	2		D	2								
Vital 2													
UPS	D	3	For bed power	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [x] Bedside Staff Light
- [x] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Colour Tunable
- [x] Reading Light
- [x] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Feature bed required as well as 2 x 1/4" inputs

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	RR																		
2nd Button Station	1	CB	CW	CP	SA															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Patient Room-Private-Bariatric
Average Occupancy: 2

Program Number(s):

1. B2.3	4.	7.	10.	13.	16.
2. B5.3	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:
Provide one (1) B2.3 room with: Ceiling Materials and Finish, Room Accessories and Harm Prevention requirements as set out for A3.5; whiteboard; windows w/o sill or slanted sill; corner guards w/ rounded, blunt corners w/o edges to reduce self-harm; EXT-1

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [x] Hand Rails
- [x] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	PR-01	☐	☑	2 High	☐
						☐	☐		☐

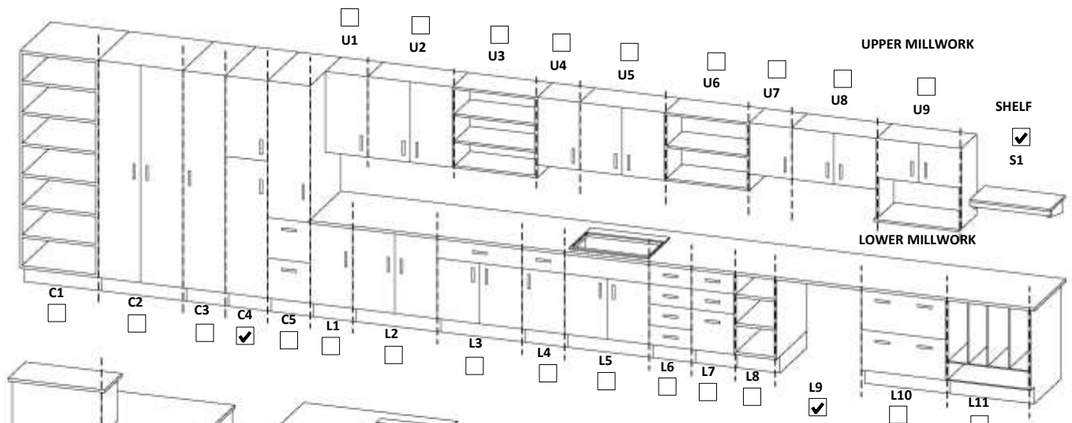
Other features: ☐ Security Grille ☑ Anti-barricade strategy

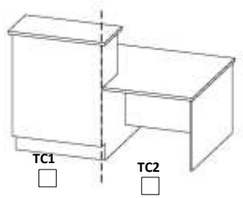
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
1	1500	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks: Provide one (1) B2.3 with room control to be controlled from Care Team Station.

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	2	General use, USB charging for family side	D	2								
Conditional 2	HSKP	1											
Conditional 3	D	2	Ceiling lift, TV										
Delayed Vital													
Vital 1	D	2		D	2								
Vital 2													
UPS	D	1	For bed power	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [x] Bedside Staff Light
- [x] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Colour Tunable
- [x] Reading Light
- [x] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	1

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station	1	RR																		
2nd Button Station	1	CB	CW	SA	PA															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Patient Room-Private-Bariatric-AIR
Average Occupancy: 2

Program Number(s):

1. B2.4	4.	7.	10.	13.	16.
2. B5.4	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:
Provide one (1) B2.4 with: Room Accessories and Harm Prevention requirements as set out for A3.5; whiteboard; windows w/o sill or slanted sill; corner guards w/ rounded, blunt corners w/o edges to reduce self-harm; EXT-1 glazing; integral blinds in glazin

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [x] Hand Rails
- [x] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	PR-01	☐	☑	2 High	☐
						☐	☐		☐

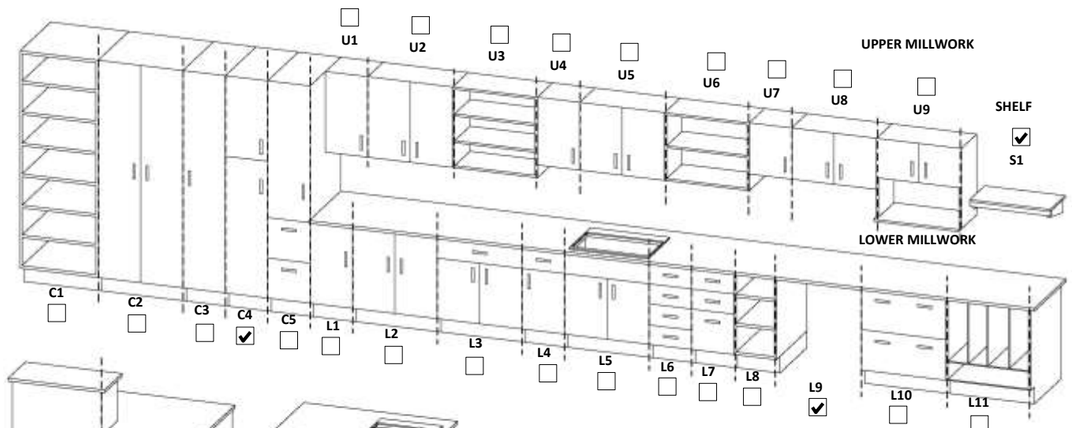
Other features: ☐ Security Grille ☑ Anti-barricade strategy

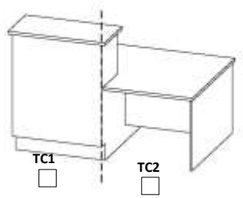
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

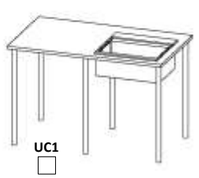
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
1	1500	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks: Provide one (1) B2.4 with room control to be controlled from Care Team Station.

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [x] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	3	General use, USB charging for family side	D	2								
Conditional 2	HSKP	1											
Conditional 3	D	2	Ceiling lift, TV										
Delayed Vital													
Vital 1	D	3		D	2								
Vital 2													
UPS	D	2	For bed power, PCA pump	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [x] Bedside Staff Light
- [x] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Colour Tunable
- [x] Reading Light
- [x] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station																				
Button Station																				
2nd Button Station	1	CB	CW	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Patient Room-Private-Nursery
Average Occupancy: 2

Program Number(s):

1. C2.8	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [x] Hand Rails
- [x] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade - Blackout	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1220 x 2135	Aluminum	Prefinished	SL-PR-01	☐	☑		☐
						☐	☐		☐

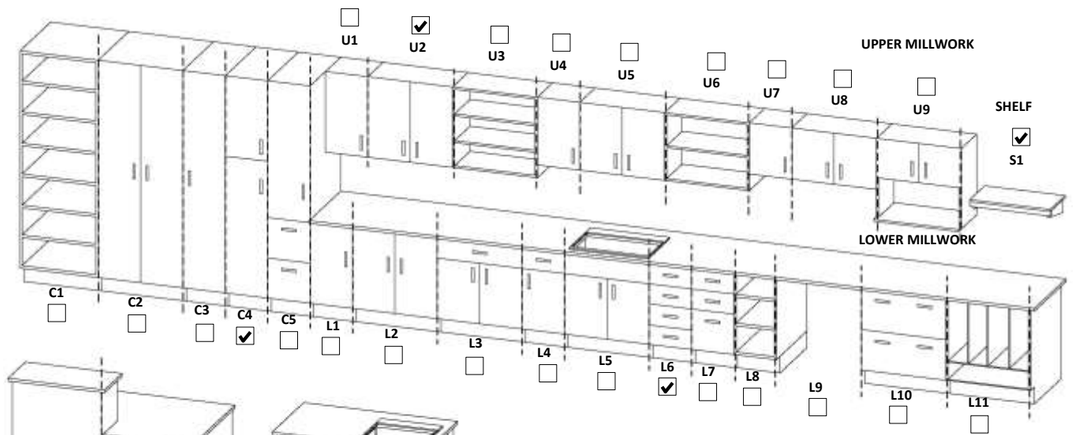
Other features: ☐ Security Grille ☐ Anti-barricade strategy

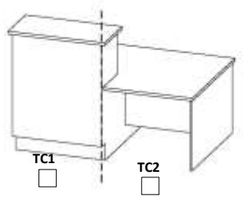
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

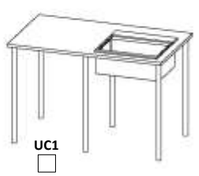
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1500	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	2	General use, USB charging for family side	D	2								
Conditional 2	HSKP	1											
Conditional 3	D	4											
Delayed Vital	D	4	Fridge										
Vital 1	D	4		D	2								
Vital 2													
UPS	D	3	Bed, physiological monitor	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [x] Bedside Staff Light
- [x] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Lighting Control
- [x] Colour Tunable
- [x] Reading Light
- [x] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Circadian (day-night) rhythm with override available. Refer to SoR for

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station						1	CB	CP	SA											
Button Station																				
2nd Button Station	1	CB	CP	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Patient Room-Private-SRMC
Average Occupancy: 3

Program Number(s):

1. C2.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [x] Hand Rails
- [x] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Solid Core	Plam	PR-01	☐	☐	2 High	☐
						☐	☐		☐

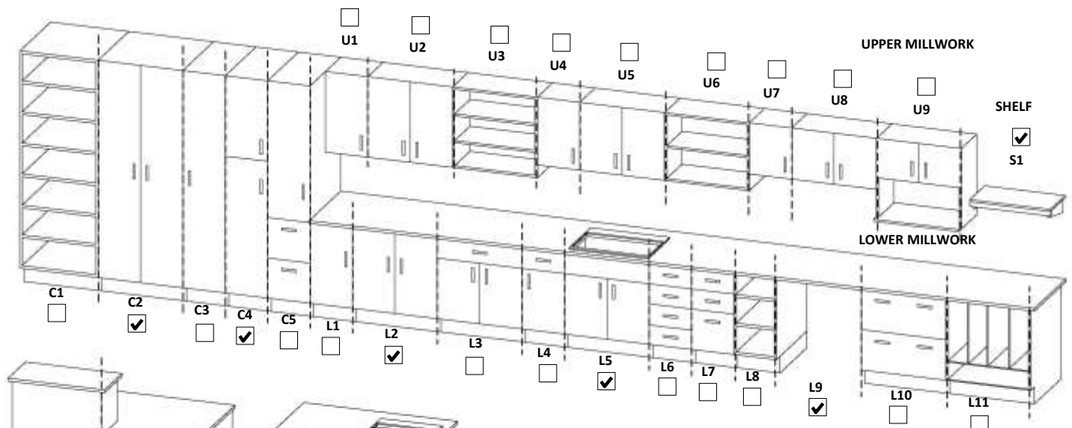
Other features: ☐ Security Grille ☐ Anti-barricade strategy

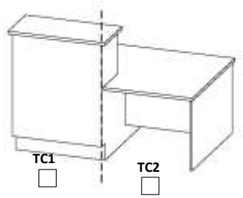
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

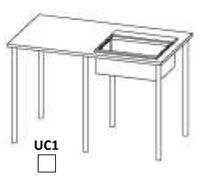
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	4000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	2	1	1				
Med Air		1	1	1	1				
Med Vac		1	1	1	1				
N20			1						
N2									
CO2									
AGSS			1						

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	3	General use, USB charging for family side	D	2	D	2						
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	2	Ceiling lift, warmer										
Vital 1	D	4		D	2	D	2						
Vital 2													
UPS	D	6	Bed, workstation, VTE machine, medical monitors, u	D	1	D	1						

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [x] Bedside Staff Light
- [x] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Colour Tunable
- [x] Reading Light
- [x] Hand Hygiene Sink Light
- [ ] Examination Light
- [x] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light
- [x] Lighting Control

Lighting Remarks: Refer to SoR for controls and requirements

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA	1	CB	CW	SA	PA					
Bed Call Station						1	CB	CP	SA		1	CB	CP	SA						
Button Station																				
2nd Button Station	1	CB	CP	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Patient Room-Private-SRMC-Bariatric-AIR
Average Occupancy: 3

Program Number(s):

1. C2.5	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [x] Hand Rails
- [x] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Solid Core	Plam	PR-01	☐	☐	2 High	☐
						☐	☐		☐

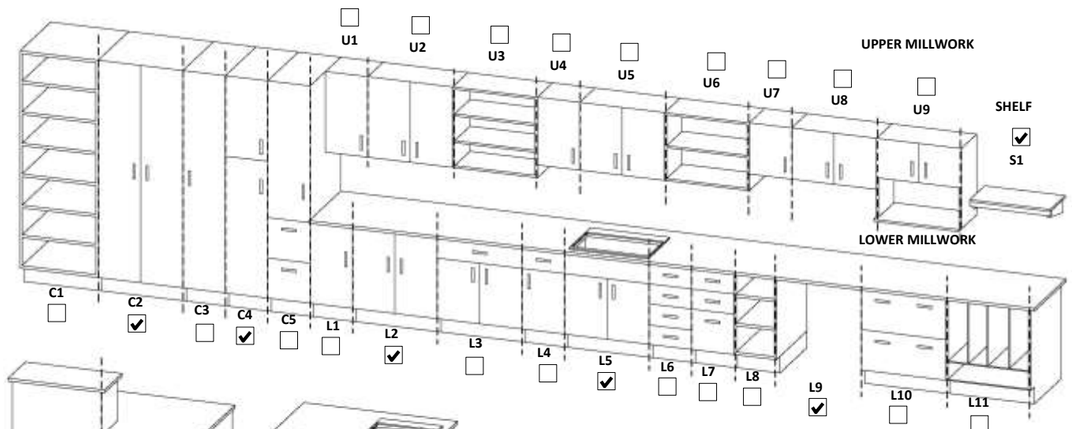
Other features: ☐ Security Grille ☐ Anti-barricade strategy

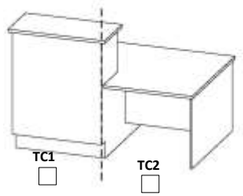
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

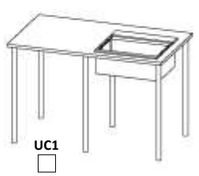
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	4000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [x] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	2	1	1				
Med Air		1	1	1	1				
Med Vac		1	1	1	1				
N20			1						
N2									
CO2									
AGSS			1						

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	3	General use, USB charging for family side	D	2	D	2						
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital	D	2	Ceiling lift, warmer										
Vital 1	D	4		D	2	D	2						
Vital 2													
UPS	D	6	Bed, touchdown station, fetal monitor	D	1	D	1						

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [x] Bedside Staff Light
- [x] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Colour Tunable
- [x] Reading Light
- [x] Hand Hygiene Sink Light
- [ ] Examination Light
- [x] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	2

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA	1	CB	CW	SA	PA					
Bed Call Station						1	CB	CP	SA		1	CB	CP	SA						
Button Station																				
2nd Button Station	1	CB	CP	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Patient Room-Private-Women's Health
Average Occupancy: 2

Program Number(s):

1. C2.6	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:
Provide one (1) C2.6 room with: Ceiling Materials and Finish, Room Accessories and Harm Prevention requirements as set out for A3.5; whiteboard; windows w/o sill or slanted sill; corner guards w/ rounded, blunt corners w/o edges to reduce self-harm; EXT-1

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [x] Hand Rails
- [x] Bed Bumper / Locator

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	PR-01	☐	☑	2 High	☐
						☐	☐		☐

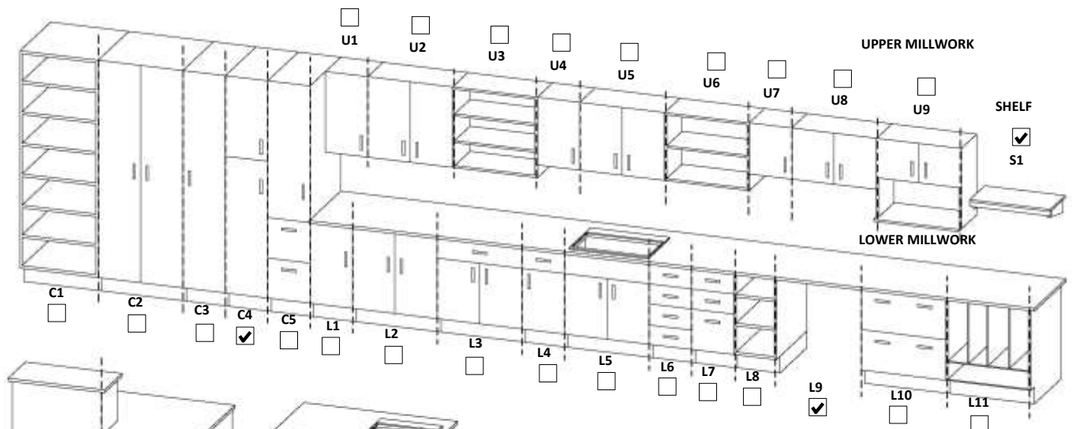
Other features: ☐ Security Grille ☑ Anti-barricade strategy

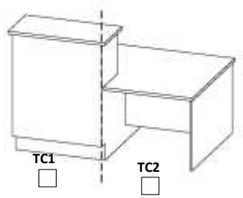
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

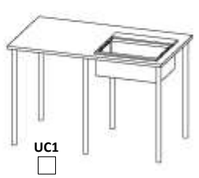
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	1500	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks: Provide one (1) C2.6 with room control to be controlled from Care Team Station

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1						
Med Air		1	1						
Med Vac		1	1						
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	2	General use, USB charging for family side	D	2								
Conditional 2	HSKP	1											
Conditional 3	D	2	TV										
Delayed Vital	D	1	Ceiling lift										
Vital 1	D	2		D	2								
Vital 2													
UPS	D	2	Bed	D	1								

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [x] Bedside Staff Light
- [x] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Colour Tunable
- [x] Reading Light
- [x] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

- [x] Lighting Control

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	1
Headwall Outlets 2PM/2A	1

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA										
Bed Call Station						1	CB	CP	SA											
Button Station																				
2nd Button Station	1	CB	CP	SA	RR															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Patient Room-Shared
Average Occupancy: 3

Program Number(s):

1. B2.2	4.	7.	10.	13.	16.
2. B5.2	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [x] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [x] Hand Rails
- [x] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	PR-01	☐	☑	2 High	☐
						☐	☐		☐

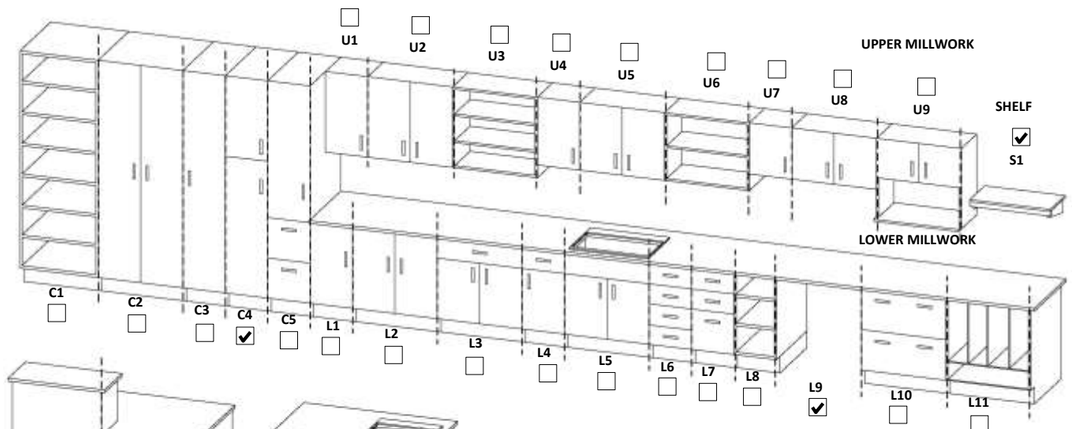
Other features: ☐ Security Grille ☐ Anti-barricade strategy

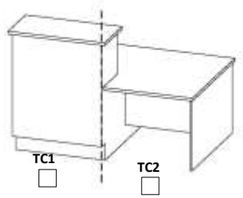
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

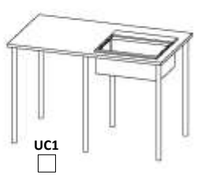
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	3000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [x] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2		1	1	1	1				
Med Air		1	1	1	1				
Med Vac		1	1	1	1				
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	4	General use	D	2	D	2						
Conditional 2	HSKP	1											
Conditional 3	D	1	TV										
Delayed Vital													
Vital 1	D	2		D	2	D	2						
Vital 2													
UPS	D	2	For bed power	D	1	D	1						

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [ ] Workstation Task Light
- [x] Bedside Staff Light
- [x] Visitor Light
- [x] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [x] Lighting Control
- [x] Colour Tunable
- [x] Reading Light
- [x] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	4

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station						1	CB	CW	SA	PA	1	CB	CW	SA	PA					
Bed Call Station						1	CB	CW	SA		1	CB	CP	SA						
Button Station	1	RR																		
2nd Button Station	1	CB	CW	SA	PA															
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Receiving Room
Average Occupancy: 1

Program Number(s):

1. D2.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [x] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B2	1	1830 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
B2	1	1830 x 2135	Solid Core	Plam		☐	☐		☐

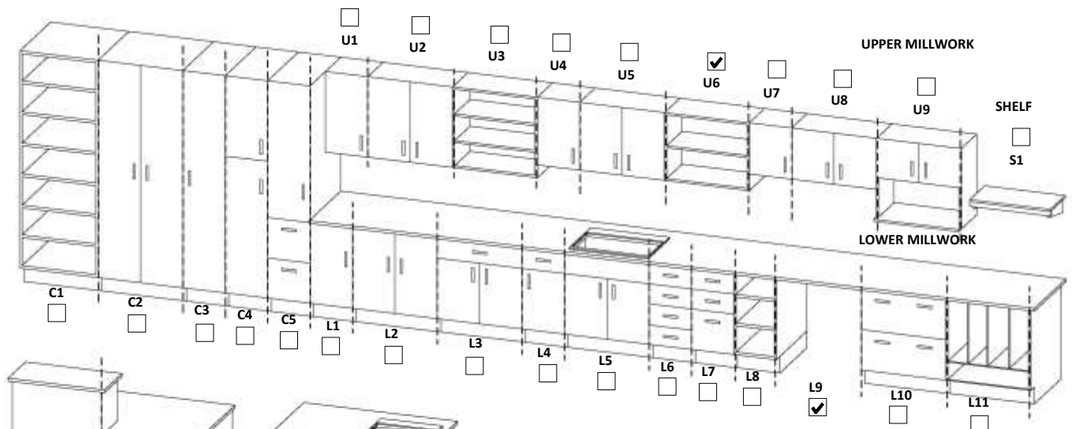
Other features: ☐ Security Grille ☐ Anti-barricade strategy

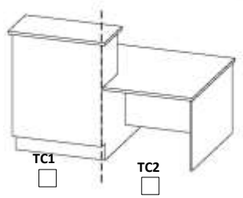
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

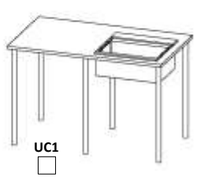
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3600	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: Controlled with corridor lighting

☐ Lighting Control

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Placement: Both sides

Application: Type: CR

Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Reception Desk
Average Occupancy: 1

Program Number(s):

1. D1.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior
	Roller Shade

DOORS

Door Remarks:

Door types:

A	A2	B	B2	C	C2	D	D2	E	E2	F	F2	G	H	J	K	L

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

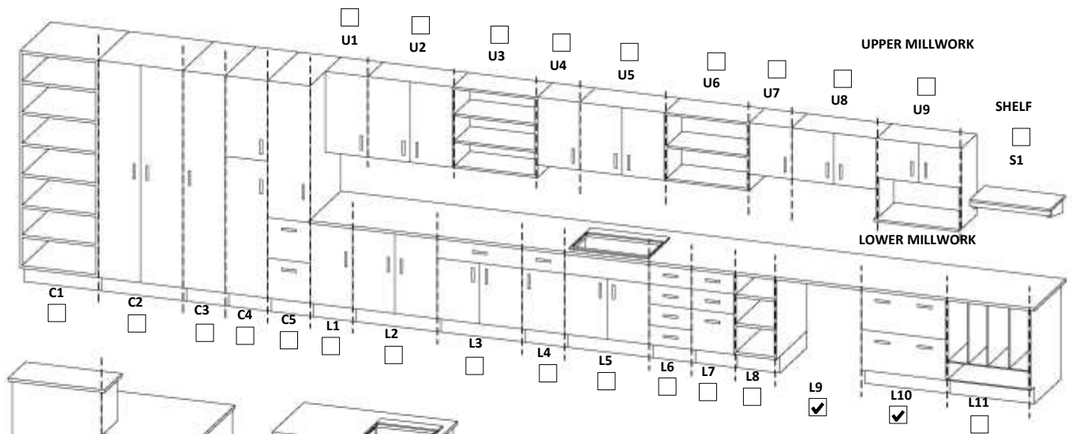
Other features: ☐ Security Grille ☐ Anti-barricade strategy

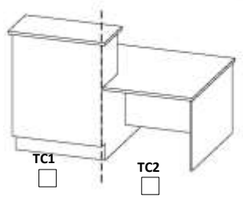
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

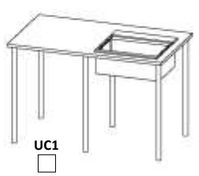
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3000	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2	D	2											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	2	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Controlled with waiting area lighting

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [x] Camera Monitor
- [x] Access Control
- [x] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: CR
Request to Exit: MS

IMIT Remarks: Paging into waiting area available from Pharmacy desk (reception).

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP																
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	1
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Rehabilitation Room-Satellite
Average Occupancy: 4

Program Number(s):

1. B7.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	ARGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-2

WINDOW TREATMENT

Exterior:	Interior
	Roller Shade

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F2	1	1530 x 2135	Solid Core	Plam	CR-10	☐	☑	2 High	☐
						☐	☐		☐

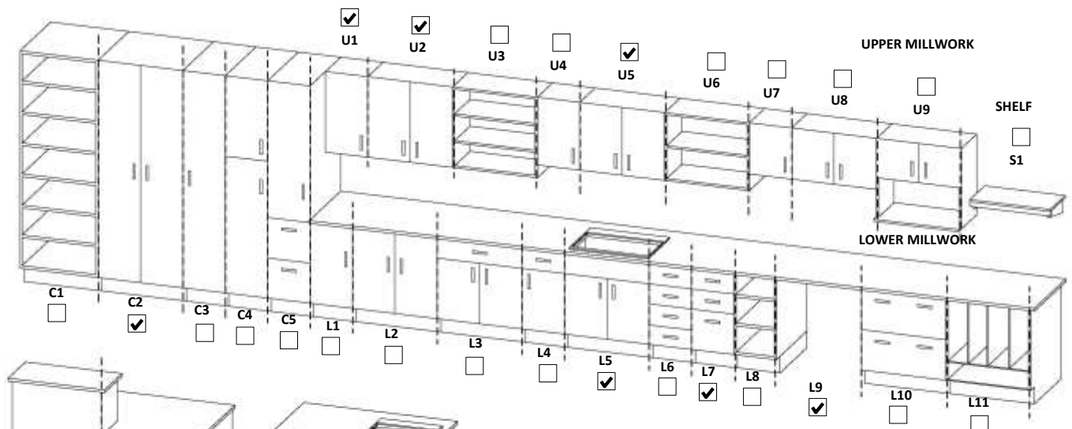
Other features: ☐ Security Grille ☐ Anti-barricade strategy

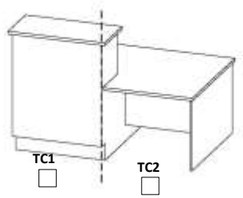
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

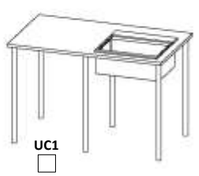
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	3600	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Standard	Lever Blade

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [x] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2	3								
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	3											
Conditional 2	HSKP	1											
Conditional 3	D	4	Ceiling lift										
Delayed Vital													
Vital 1	D	4											
Vital 2													
UPS	D	4											

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [x] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Placement: Public side
Application: Type: CR
Request to Exit:

IMIT Remarks: Teleconferencing with option for videoconferencing

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA	PA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	2
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Resuscitation Room
Average Occupancy: 6

Program Number(s):

1. A3.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Anti-static
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
J	1	1830 x 2135	Aluminum	Prefinished	AO-03	☐	☐		☑
						☐	☐		☐

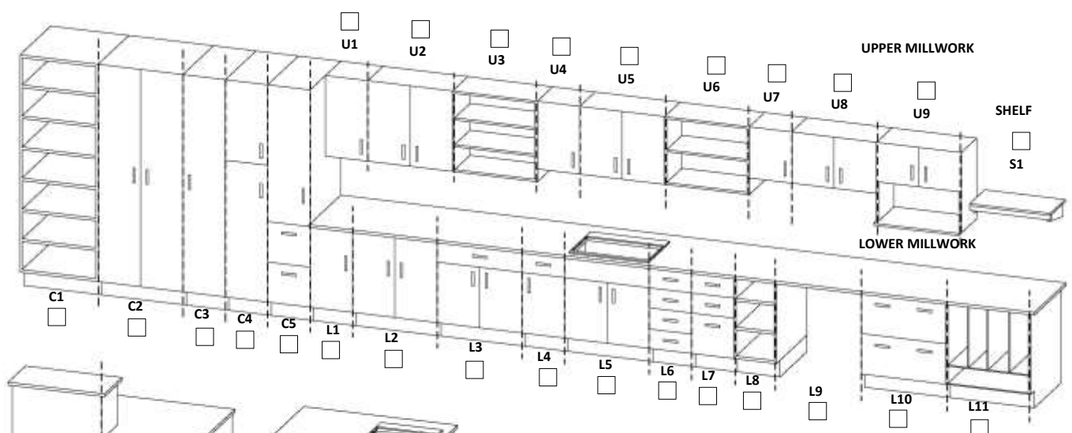
Other features: ☐ Security Grille ☐ Anti-barricade strategy

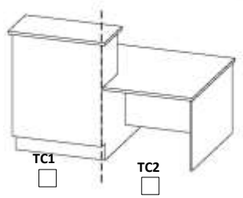
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

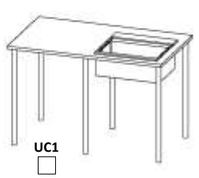
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	2	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [x] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity) 2

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2								6	6
Med Air								4	4
Med Vac								6	6
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	4		D	2								
Conditional 2	HSKP	1											
Conditional 3	D	4											
Delayed Vital	D	4	For ceiling lift										
Vital 1	D	4								D	4	D	4
Vital 2	D	8	For fluid warmer, glidescope, warming cabinets, Om										
UPS	D	4	Workstation, TV, physiological monitor							D	4	D	4

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [x] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Refer to SoR for controls and requirements

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	6
Television Outlets 1A/1C/1NC	2
PM 2A Red Data Port	2
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: HDMI in each boom Btn station close to door for each bay. Dome light needed for each bay.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CP	CW	SA															
2nd Button Station	1	RR																		
Other: PACS and ADM																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Retail-Gift Shop
Average Occupancy: 4

Program Number(s):

1. E1.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks: Slat wall for display

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						[ ]	[ ]		[ ]
						[ ]	[ ]		[ ]

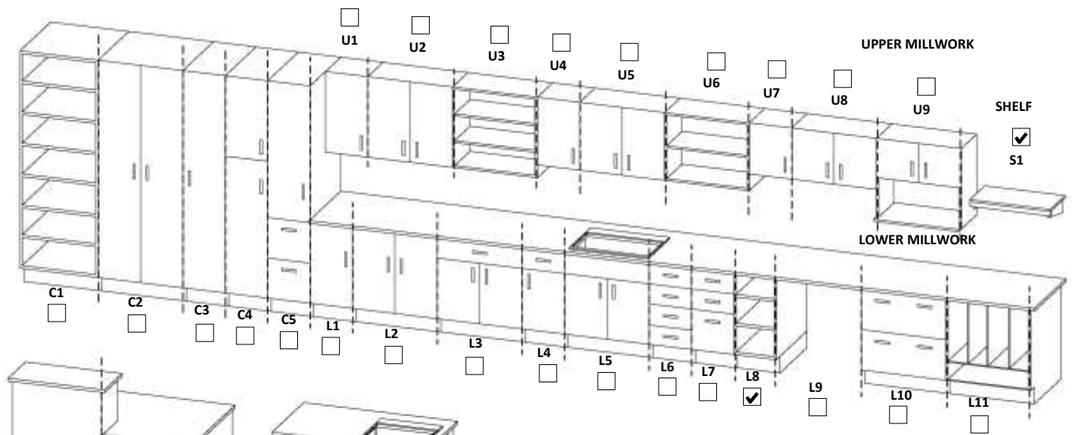
Other features: [x] Security Grille [ ] Anti-barricade strategy

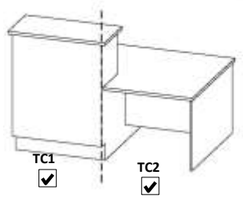
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	2400	[ ]	[x]	[x]	[x]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

Ventilation Remarks:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	5	Equipment, General use, provide one duplex or hard										
Conditional 2	HSKP	1											
Conditional 3	D	6	POS equipment, above counter general use										
Delayed Vital	D	3	Coolers										
Vital 1													
Vital 2													
UPS	D	2	POS equipment										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [x] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Sufficient lighting for merchandise

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [x] Security Camera
- [x] Camera Monitor
- [ ] Access Control
- [x] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Secure side
Placement:
Application: ID
Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Satellite Lab Collection Area
Average Occupancy: 2

Program Number(s):

1. A4.8	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks: Provide type K door with type G sliding panel

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1220 x 2135	Solid Core	Plam	AO-01	☐	☐	1 Low	☑
						☐	☐		☐

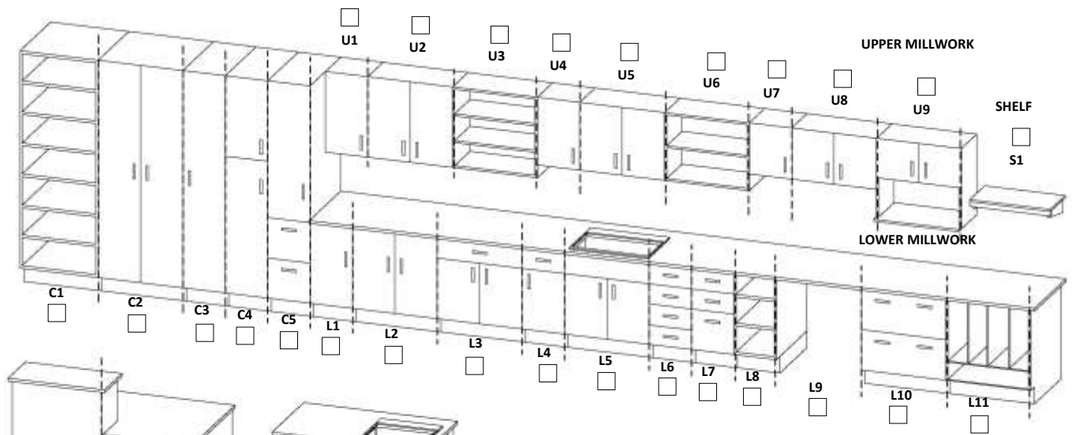
Other features: ☐ Security Grille ☐ Anti-barricade strategy

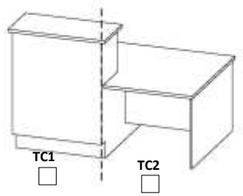
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

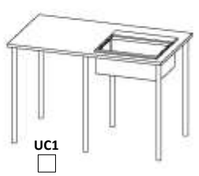
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3	D	1											
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS	D	1	Computer workstation										

- [x] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [x] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks | Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: Public side
Application: | Type: CR
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station	1	CB	CW	SA	PA															
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Satellite Lab Work Area
Average Occupancy: 1

Program Number(s):

1. A4.9	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1220 x 2135	Solid Core	Plam	AO-01	☐	☐	1 Low	☐
						☐	☐		☐

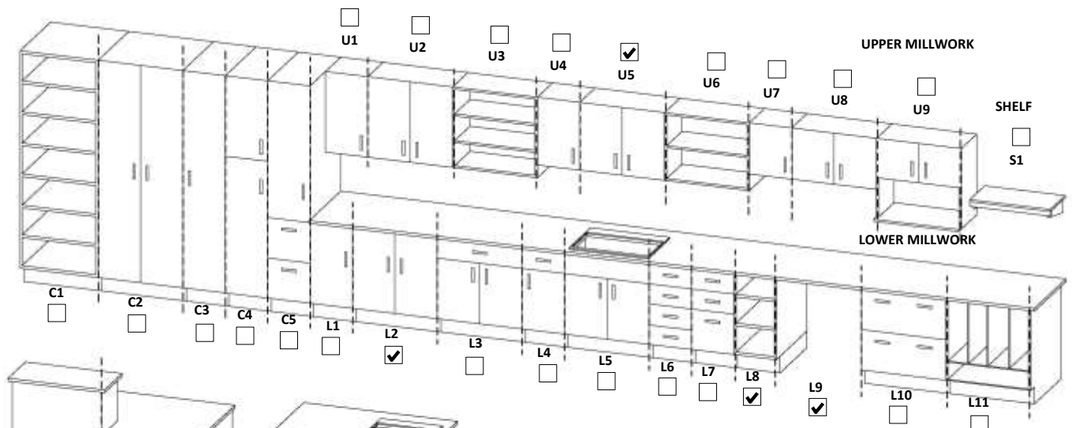
Other features: ☐ Security Grille ☐ Anti-barricade strategy

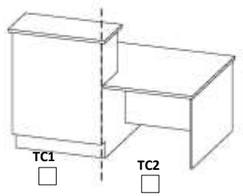
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

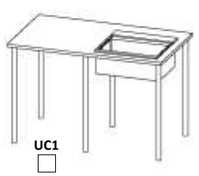
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3300	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	4											
Conditional 2	HSKP	1											
Conditional 3	D	1	Printer										
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [x] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: Update nurse call type from bed call station to button station

NURSE CALL

	General Qty.	F1	F2	F3	F4	Headwall 1 Qty.	F1	F2	F3	F4	Headwall 2 Qty	F1	F2	F3	F4	Headwall 3 Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA	PA															
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Satellite Nourishment
Average Occupancy: 2

Program Number(s):

1. A4.11	4.	7.
2.	5.	8.
3.	6.	9.

10.	13.	16.
11.	14.	17.
12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

A	A2	B	B2	C	C2	D	D2	E	E2	F	F2	G	H	J	K	L

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

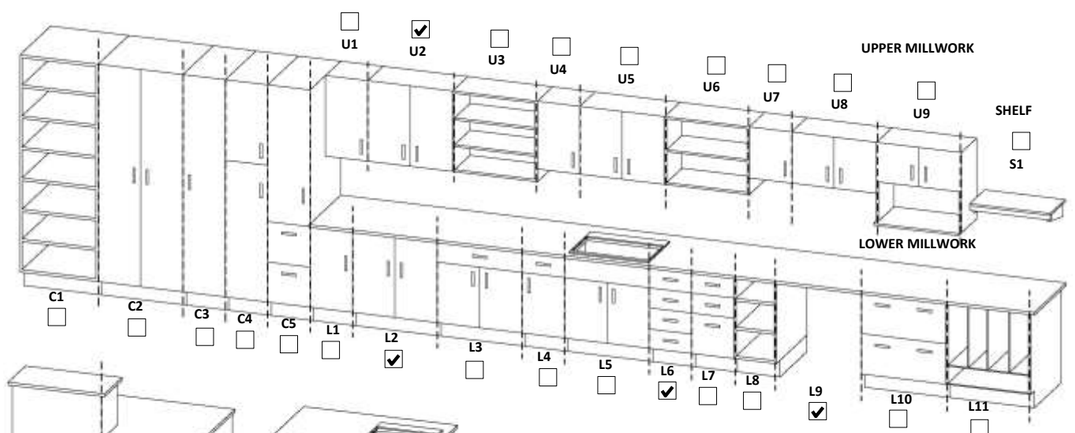
Other features: ☐ Security Grille ☐ Anti-barricade strategy

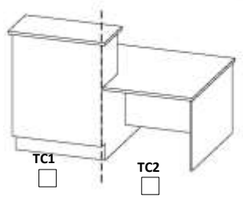
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

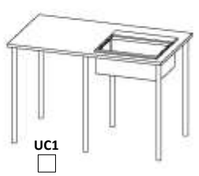
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3395	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [x] Ice Maker
- [ ] Water Closet
- [x] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other: Coffee maker

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2	D	6	Above counter for kitchen appliances										
Conditional 3	D	3											
Delayed Vital	D	1	Fridge										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Controlled with corridor, general lighting - indirect

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Secure Room
Average Occupancy: 1

Program Number(s):

1. A3.8	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	ARGWB	Washable
Wall	IMRGWB	Other:
Floor	Resilient	Cushioned
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☑ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☐ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☑ Tamper Resistant screws and fittings
- ☑ Vandal Resistant Ligature Resistant plumbing fixtures
- ☑ Vandal Resistant Tamper Resistant pipe and valve cover
- ☑ Vandal Resistant Tamper Resistant access panels
- ☑ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☑ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☑ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☑ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☑ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-3	

WINDOW TREATMENT

Exterior:	Interior
Integral Blinds	

DOORS

Door Remarks: Secure room door. See SPR-01 in Schedule 1.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Hollow Metal	Paint	SPR-01	☐	☑	2 High	☐
						☐	☐		☐

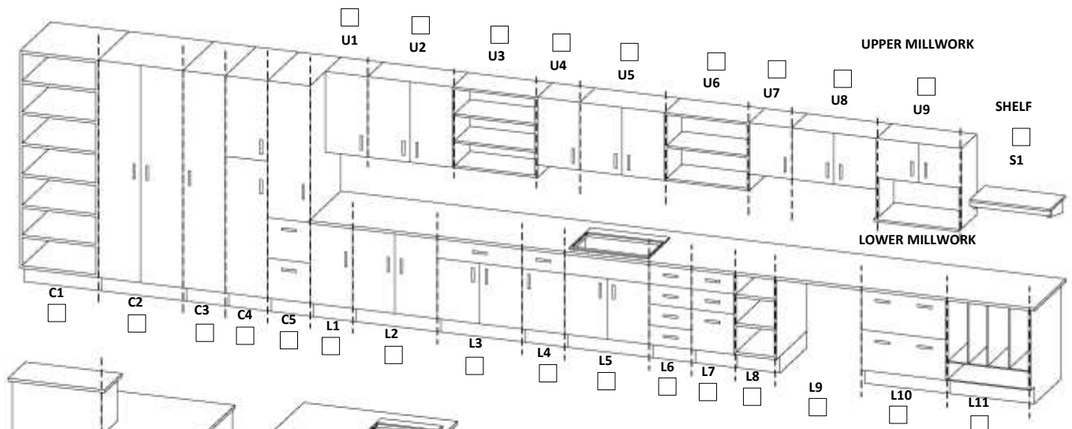
Other features: ☐ Security Grille ☐ Anti-barricade strategy

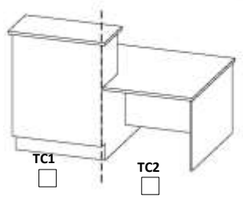
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

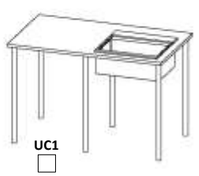
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS: 9 air changes minimum

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Integrally Formed	Ligature Resistant	Electronic Control

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☑ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☑ Floor Drain

Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks: Controlled from Care Team Station

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1													
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS			Ligature Resistant and Tamper Resistant										

- ☑ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☑ Valance Light

Lighting Remarks: Vandal Resistant, Ligature Resistant

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☑ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☑ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☑ Remote Release

Location: Public side
Placement: Both sides
Application: RC
Type: CR
Request to Exit:

IMIT Remarks: Secure room door to release on second stage of fire alarm NC Quad button to be located outside the room near the door entrance

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	SA	CB	CW	CP															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Sterile Chemo Prep
Average Occupancy: 2

Program Number(s):

1. D4.7	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-2

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-03	☐	☐	2 High	☐
						☐	☐		☐

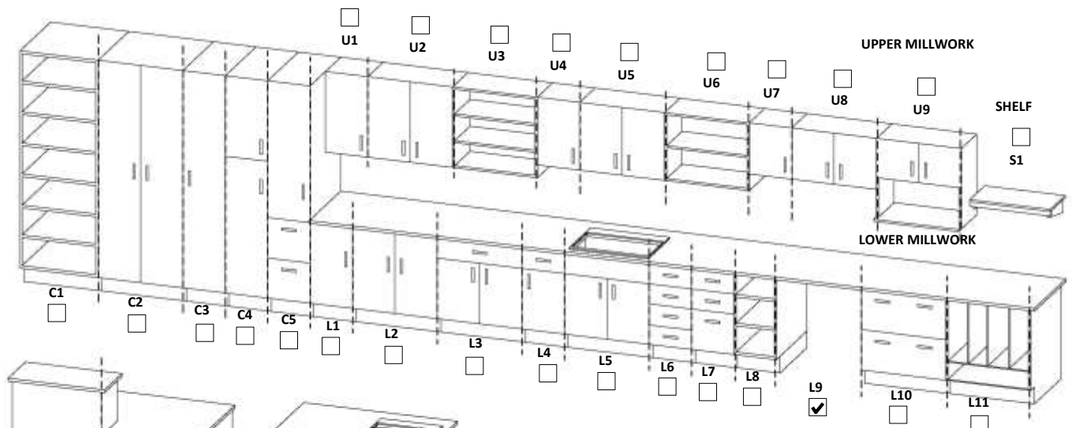
Other features: ☐ Security Grille ☐ Anti-barricade strategy

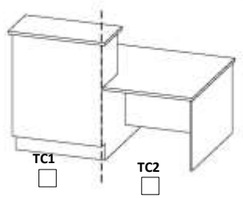
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

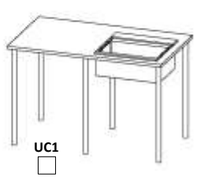
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Stainless Steel
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS: Low level exhaust

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [x] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks: Hood exhaust

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1											
Conditional 2	HSKP	1											
Conditional 3	D	1											
Delayed Vital	D	3	Fume hood and rough-in for future										
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Provide audio input controller with built-in amplifier, volume control, 3.5mm jack and bluetooth for the background music system.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Sterile IV Admixture
Average Occupancy: 2

Program Number(s):

1. D4.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-2

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-03	☐	☐	2 High	☐
						☐	☐		☐

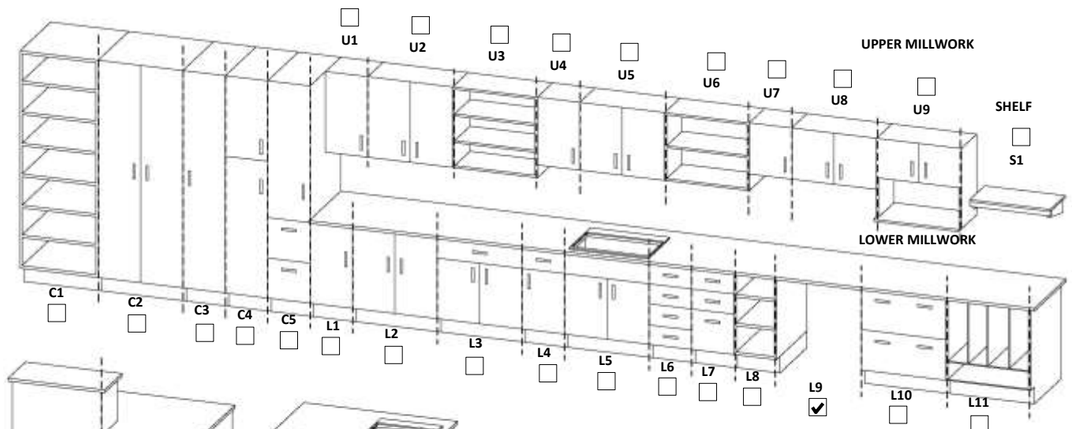
Other features: ☐ Security Grille ☐ Anti-barricade strategy

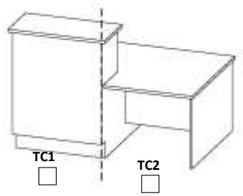
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

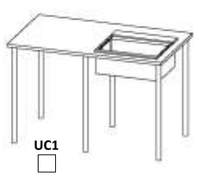
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	5000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Stainless Steel
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS: Low level exhaust

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [x] Room Relative Humidity with Local Readout
- [x] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks: Hood exhaust

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1											
Conditional 2	D	1											
Conditional 3													
Delayed Vital	D	3	Fume hood and rough-in for future										
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	3
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Provide audio input controller with built-in amplifier, volume control, 3.5mm jack and bluetooth for the background music system.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Coffee Shop
Average Occupancy: 1

Program Number(s):

1. E1.1.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Non-Skid
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1220 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

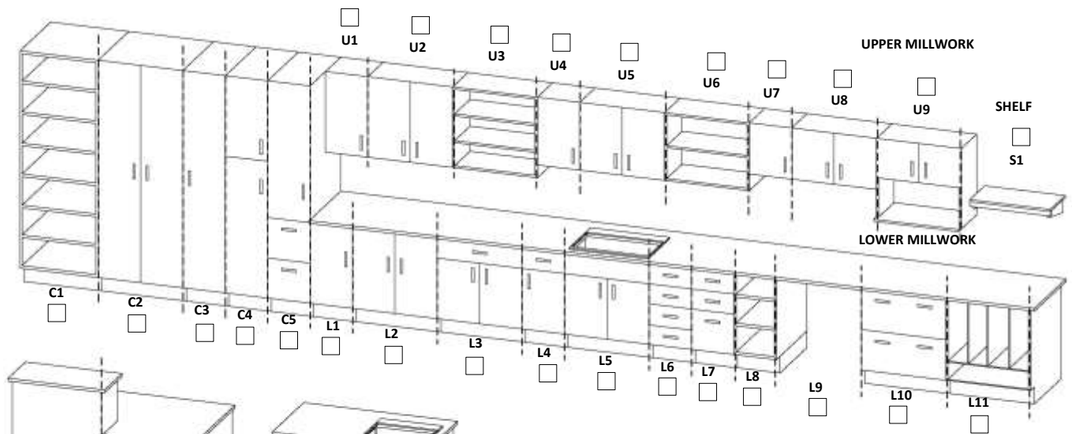
Other features: ☐ Security Grille ☐ Anti-barricade strategy

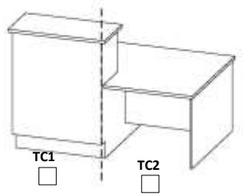
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

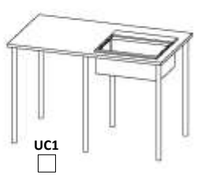
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☑ Floor Drain

Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☑ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	3											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital	D	2	Fridge, freezer										
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☑ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

- ☑ Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Controlled Substances
Average Occupancy: 2

Program Number(s):

1. D3.6	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Paint
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

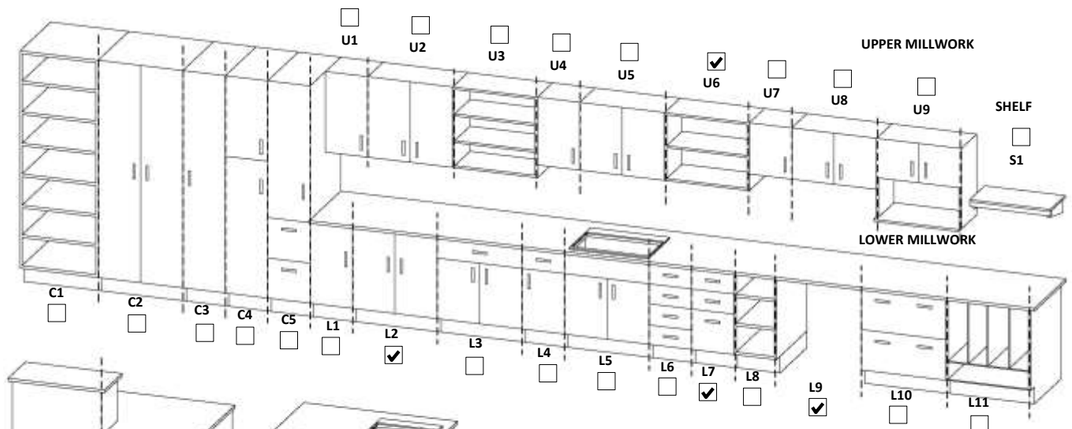
Other features: ☐ Security Grille ☐ Anti-barricade strategy

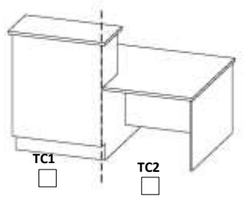
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

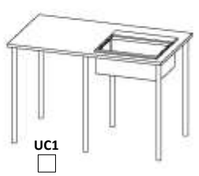
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3000	☐	☑	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [x] Positive [ ] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1											
Conditional 2	HSKP	1											
Conditional 3	D	2											
Delayed Vital	D	2	Fridge, general use										
Vital 1	D	1											
Vital 2													
UPS	D	2	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [x] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Secure side
Placement: Public side
Application: ID
Type: CR+KP
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-De-Icing Supplies
Average Occupancy: 1

Program Number(s):

1. E4.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Solid Core	Plam	SR-01	☐	☐	2 High	☐
						☐	☐		☐

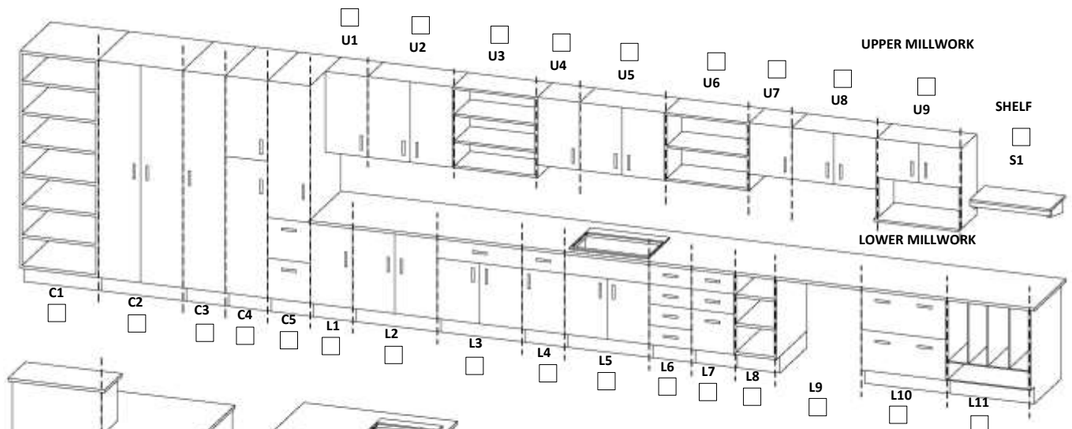
Other features: ☐ Security Grille ☐ Anti-barricade strategy

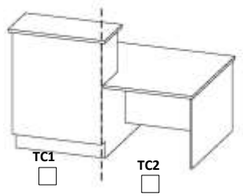
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

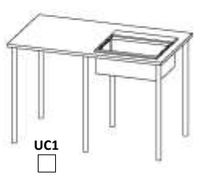
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks:

☑ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Manual on/auto off

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Equipment
Average Occupancy: 1

Program Number(s):

1. B3.3	4.	7.	10.	13.	16.
2. B6.7	5.	8.	11.	14.	17.
3. C4.1	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Solid Core	Plam	AO-02	☐	☐	2 High	☐
						☐	☐		☐

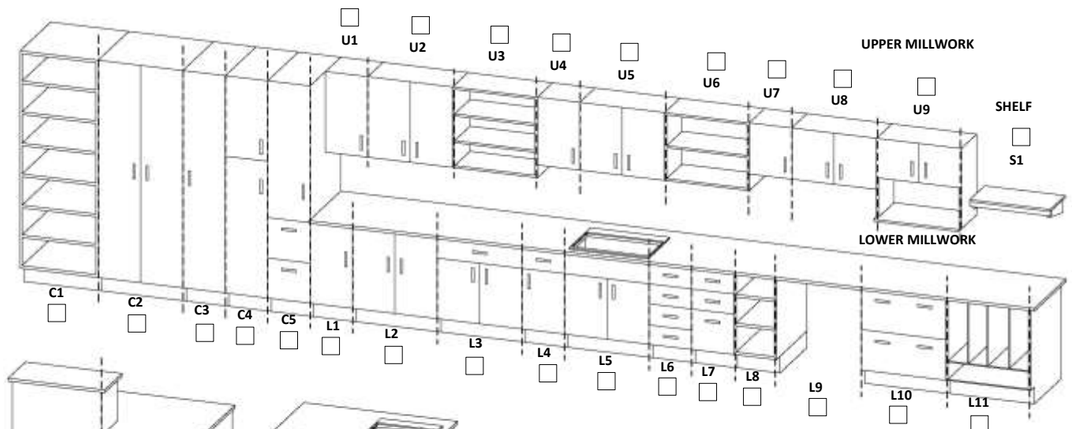
Other features: ☐ Security Grille ☐ Anti-barricade strategy

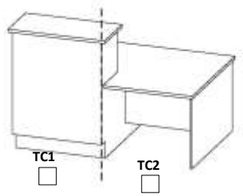
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

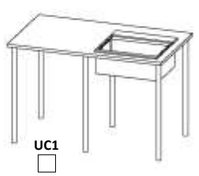
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	12	Equipment charging										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

[x] Lighting Control Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Public side
Application: Type: CR
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Equipment-Large
Average Occupancy: 1

Program Number(s):

1. A6.6	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Solid Core	Plam	AO-02	☐	☐	2 High	☐
C	1	1220 x 2135	Solid Core	Plam	CL-01	☐	☐	2 High	☐

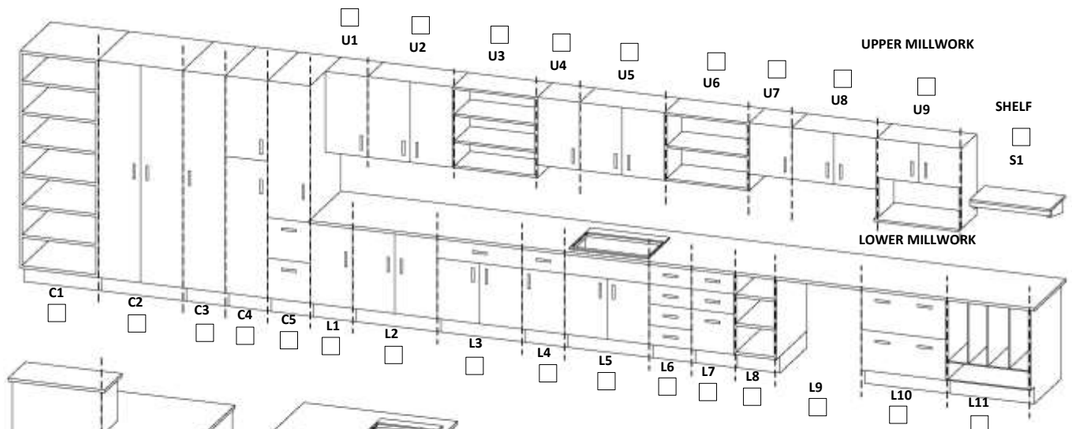
Other features: ☐ Security Grille ☐ Anti-barricade strategy

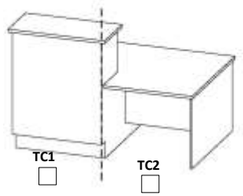
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

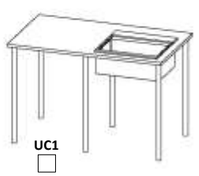
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	20	Equipment charging										
Conditional 2	HSKP	1											
Conditional 3	D	2	General use										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: CR
Request to Exit: HFS

IMIT Remarks: Access Control, CR, HFS not required on door to secure staff zone.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Equipment-Small
Average Occupancy: 1

Program Number(s):

1. B7.1.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Solid Core	Plam	AO-02	☐	☐	2 High	☐
						☐	☐		☐

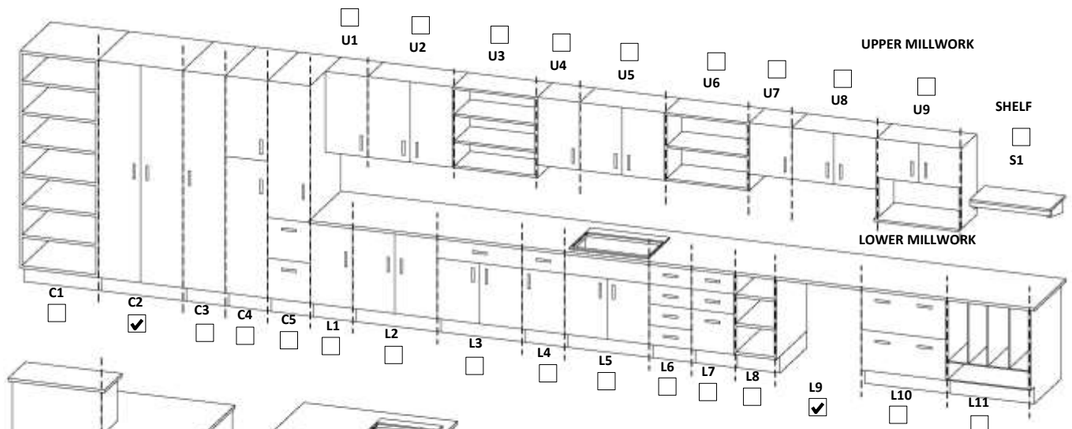
Other features: ☐ Security Grille ☐ Anti-barricade strategy

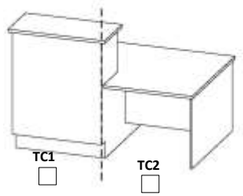
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

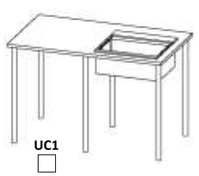
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	4000	☐	☑	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Plastic Laminate
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	4	Equipment charging										
Conditional 2	HSKP	1											
Conditional 3	D	2	General use										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Manual on/auto off

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☑ Panic Duress - Wired
- ☑ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Gift Shop
Average Occupancy: 2

Program Number(s):

1. E1.2.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1065 x 2135	Solid Core	Plam	OF-01	☐	☐	2 High	☐
C	1	1065 x 2135	Solid Core	Plam	OF-01	☐	☐	2 High	☐

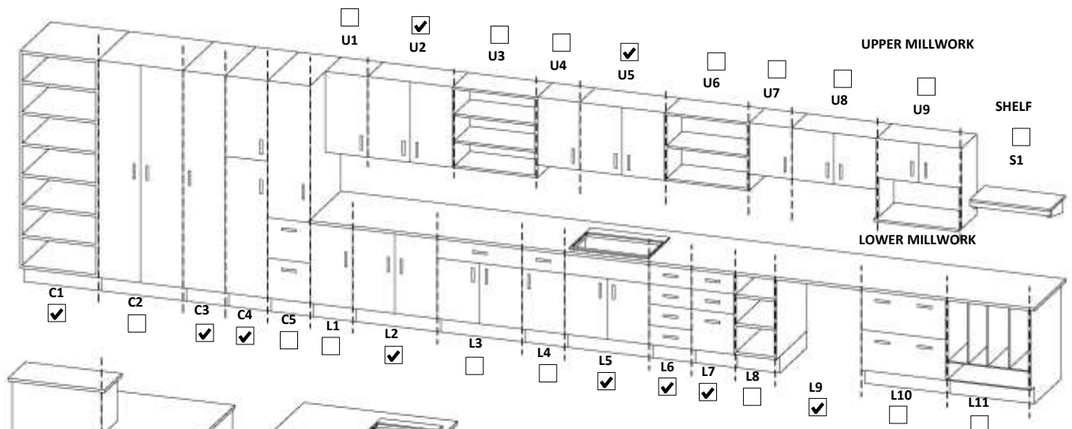
Other features: ☐ Security Grille ☐ Anti-barricade strategy

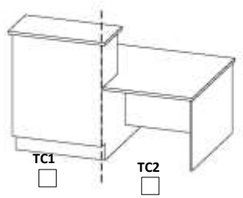
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

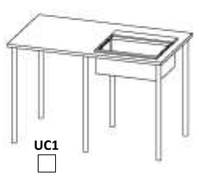
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	4000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Double Bowl	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

Ventilation Remarks:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	HSKP	1											
Conditional 2													
Conditional 3	D	3											
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [x] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Provide a countertop in storage room

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Hazardous Medication
Average Occupancy: 1

Program Number(s):

1. D4.6	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	IRGWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

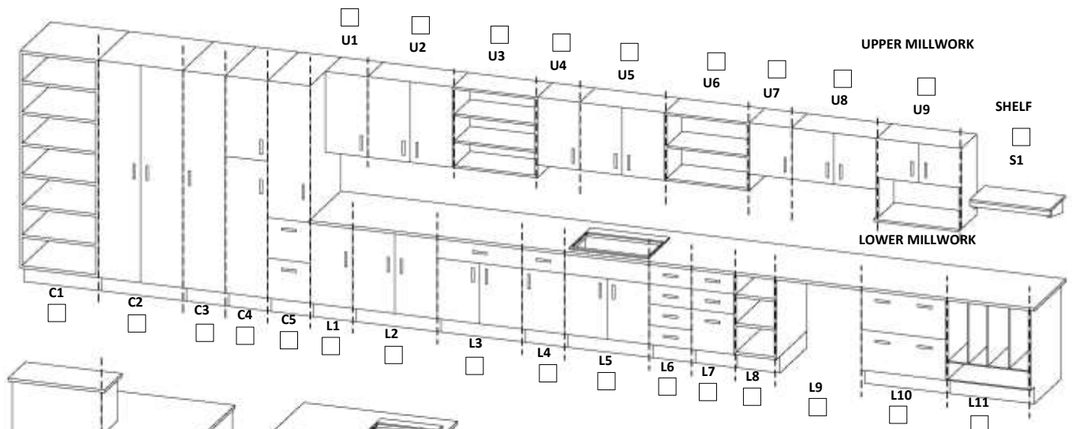
Other features: ☐ Security Grille ☐ Anti-barricade strategy

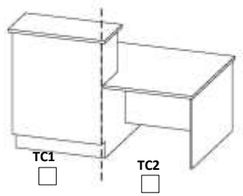
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

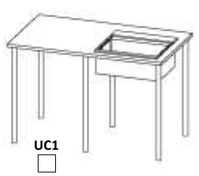
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf:

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital	D	2	Fridge										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [x] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: | Placement: Public side
Application: | Type: CR
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Health Records
Average Occupancy: 1

Program Number(s):

1. E3.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C2	1	1830 x 2135	Solid Core	Plam	CR-10	☐	☐	2 High	☐
A	1	914 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐

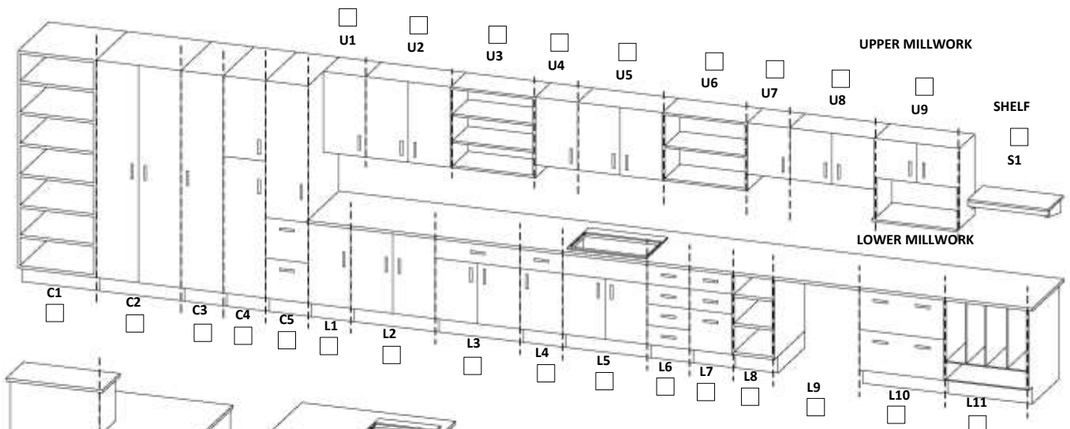
Other features: ☐ Security Grille ☐ Anti-barricade strategy

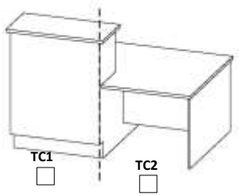
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

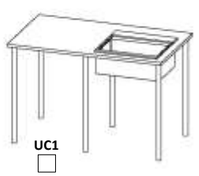
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☑ Local Temperature Adjustment
- ☑ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3	D	1	Printer										
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS	D	1	Computer workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING
- ☑ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Manual on/auto off

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☑ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Placement: Public side
Application: Type: CR
Request to Exit: HFS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Multipurpose Room/EOC
Average Occupancy: 1

Program Number(s):

1. E2.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	1220 x 2135	Solid Core	Plam	KP-01	☐	☐	2 High	☐
						☐	☐		☐

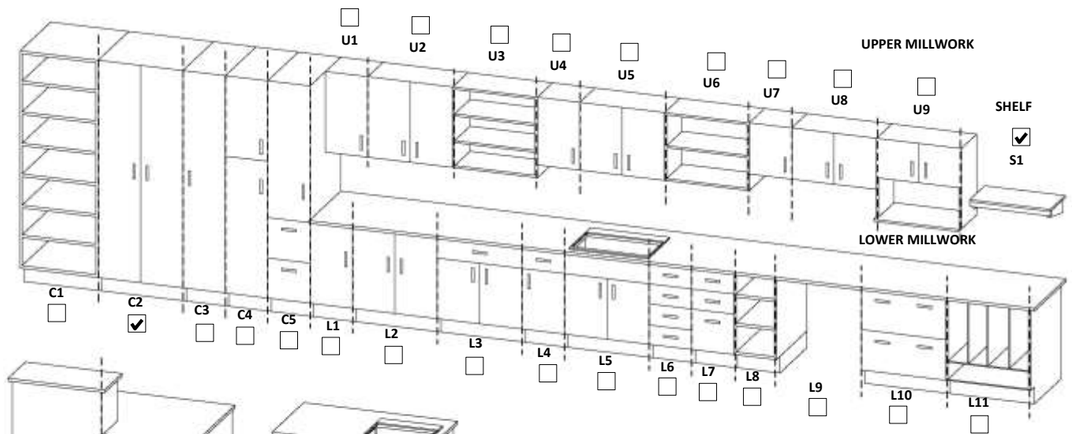
Other features: ☐ Security Grille ☐ Anti-barricade strategy

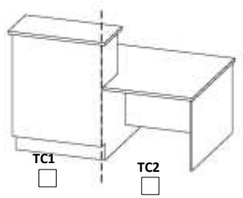
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

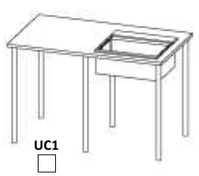
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☑ Equal ☐ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	18	General use										
Conditional 2	D	3	Radio recharging stations										
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	2											

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Manual on/auto off

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☐ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Placement: Public side
Application: Type: KP
Request to Exit: MS

IMIT Remarks: For future satellite phone

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Storage Room-Police/EMS
Average Occupancy: 1

Program Number(s):

1. A2.3	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	IRGWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: Provide combination card reader + keypad.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
C	1	914 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

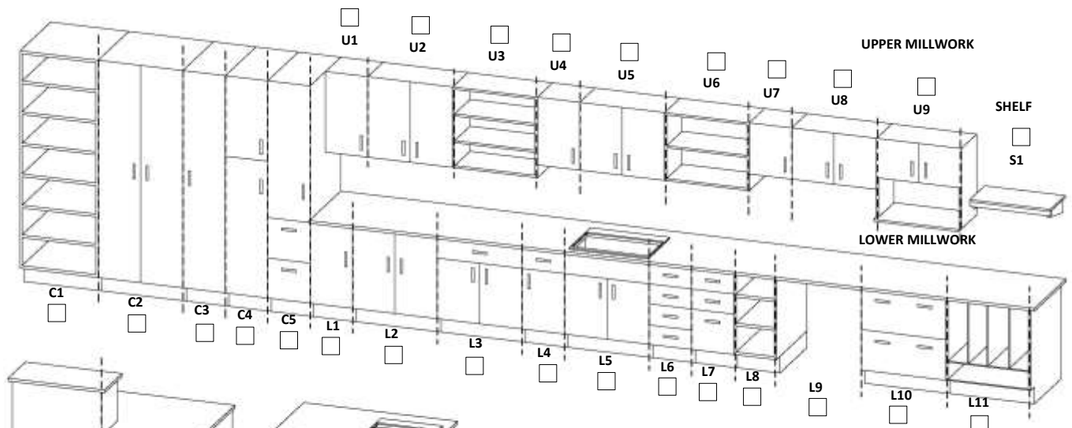
Other features: ☐ Security Grille ☐ Anti-barricade strategy

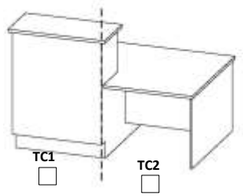
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

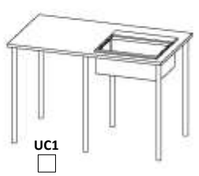
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS: 9 air changes minimum.

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

☑ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	Workstation										
Conditional 2	D	2	GFCI										
Conditional 3	D	2	Printer										
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Workstation										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☑ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR+KP

Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Tub/Shower Room
Average Occupancy: 2

Program Number(s):

1. B7.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [x] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1220 x 2135	Solid Core	Plam	CR-01	☐	☐	2 High	☐
						☐	☐		☐

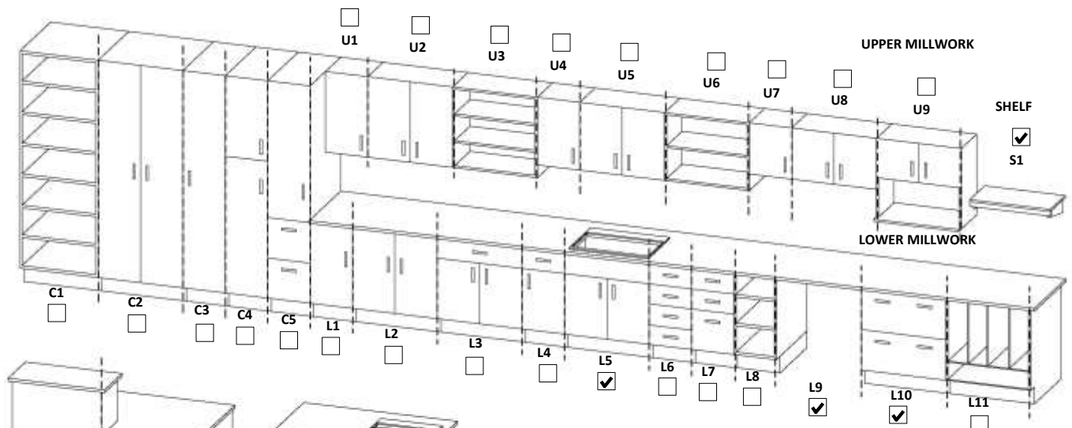
Other features: ☐ Security Grille ☐ Anti-barricade strategy

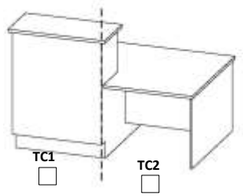
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

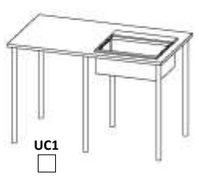
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
2	2000	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	Solid Surfacing
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks: Protected water supplies

Other Fixtures:
- [x] Shower
- [x] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other: Argo tub

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [x] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GCFI										
Conditional 2													
Conditional 3	D	1	Ceiling lift										
Delayed Vital	D	1	GFCI connection to Ajro tub										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW																	
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	2
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Utility Room-Clean
Average Occupancy: 1

Program Number(s):

1. B3.5	4.	7.	10.	13.	16.
2. B6.9	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-02	☐	☑	2 High	☐
						☐	☐		☐

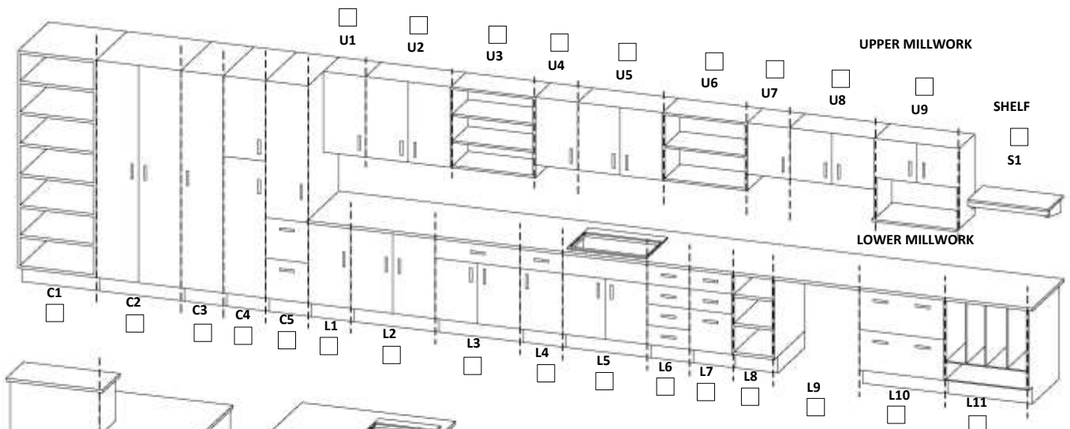
Other features: ☐ Security Grille ☐ Anti-barricade strategy

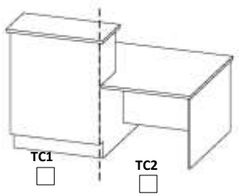
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

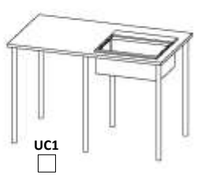
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1											
Conditional 2													
Conditional 3	D	1											
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks:

Type: Manual on/auto off

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☑ Panic Duress - Wired
- ☑ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Utility Room-Clean-Large
Average Occupancy: 1

Program Number(s):

1. C4.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-02	☐	☑	2 High	☐
						☐	☐		☐

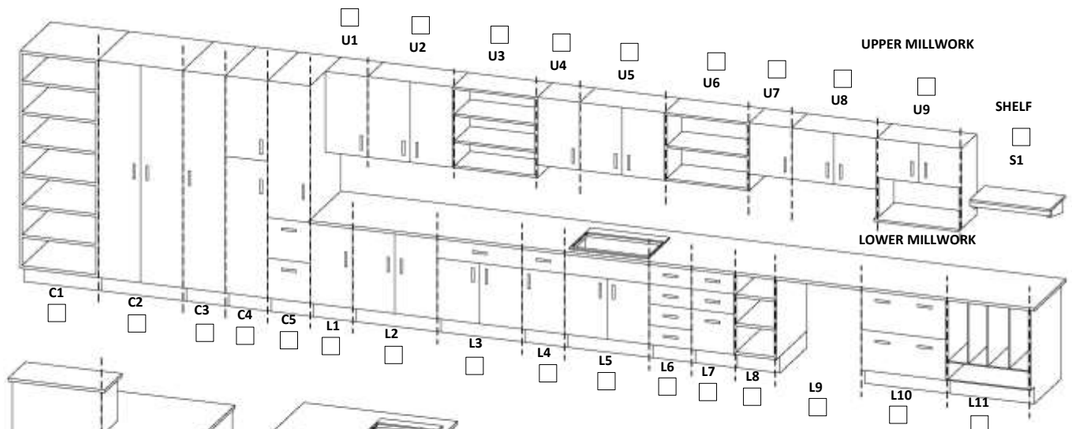
Other features: ☐ Security Grille ☐ Anti-barricade strategy

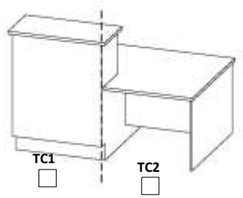
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

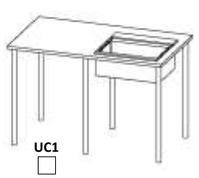
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- ☐ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	General use										
Conditional 2													
Conditional 3	D	1											
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks:

Type: Manual on/auto off

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☑ Panic Duress - Wired
- ☑ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Utility Room-Clean-XLarge
Average Occupancy: 1

Program Number(s):

1. A6.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	2	1220 x 2135	Solid Core	Plam	AO-02	☐	☑	2 High	☐
						☐	☐		☐

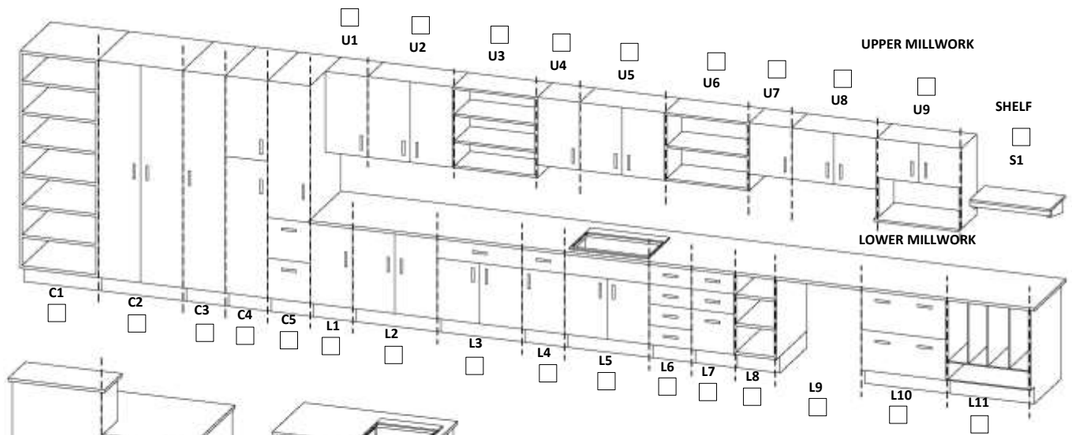
Other features: ☐ Security Grille ☐ Anti-barricade strategy

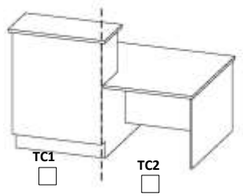
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

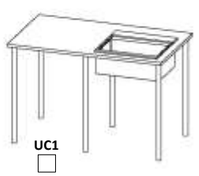
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type:

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☑ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	General use										
Conditional 2													
Conditional 3	D	2											
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks

Type: Manual on/auto off

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☑ Panic Duress - Wired
- ☑ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Utility Room-Soiled
Average Occupancy: 1

Program Number(s):

1. A6.2	4. C4.3	7.	10.	13.	16.
2. B3.6	5.	8.	11.	14.	17.
3. B6.10	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☐ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1220 x 2135	Solid Core	Plam	AO-02	☐	☐	2 High	☐
						☐	☐		☐

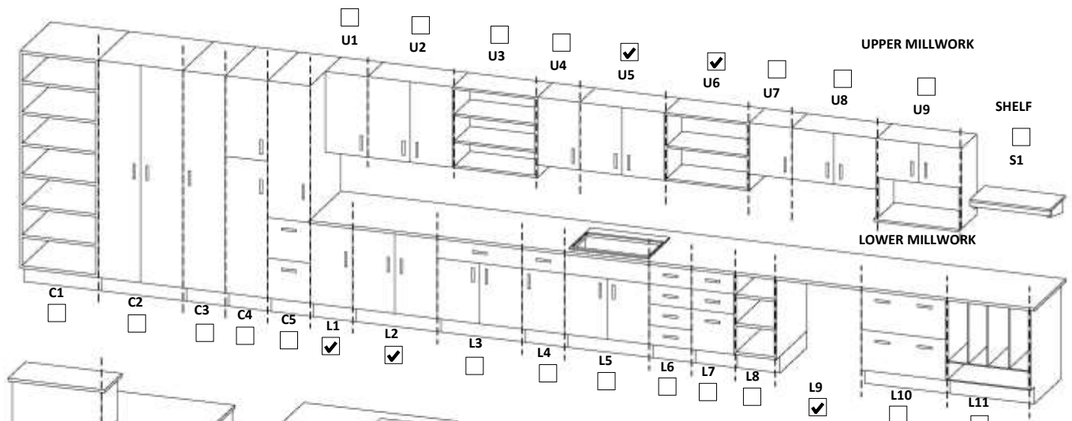
Other features: ☐ Security Grille ☐ Anti-barricade strategy

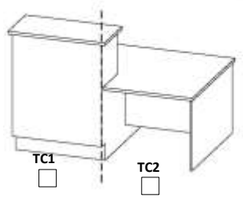
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

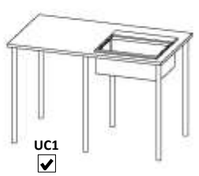
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Stainless Steel
Countertop:	Stainless Steel
Lower Millwork:	Stainless Steel
Shelf:	

ARCHITECTURAL REMARKS

L9 required for B6.10 only

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Integrally Formed	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☑ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☑ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☑ Floor Drain

Other: Safe-T Pump

ROOM CONTROLS
- ☐ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks:

☑ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital	D	2	Macerator, Saf-T pump										
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Lighting Control
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks:

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Public side

Application: Type: CR

Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Vestibule-Ambulance Entrance
Average Occupancy: 1

Program Number(s):

1. A2.1.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	IRGWB	Washable
Floor	Recessed Entry Mat	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
H	1	1830 x 2135	Aluminum	Prefinished	AO-08	☐	☐		☐
H	1	1830 x 2135	Aluminum	Prefinished	AO-09	☐	☐		☐

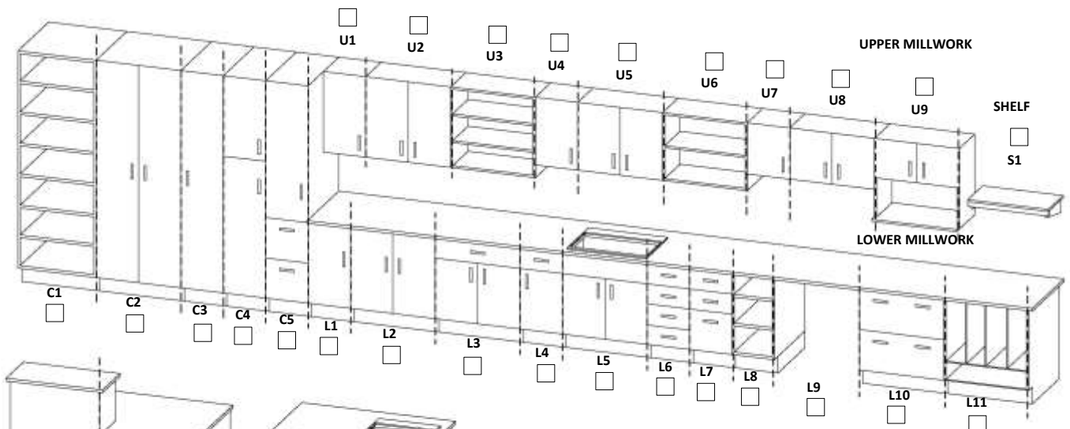
Other features: ☐ Security Grille ☐ Anti-barricade strategy

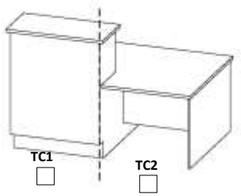
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

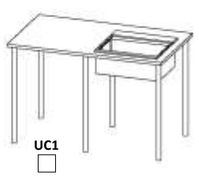
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [x] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1													
Conditional 2													
Conditional 3													
Delayed Vital			Equipment connection to air curtains and fans										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Tied in with corridor controls, Daylight sensor

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location: Secure side
Placement: Public side
Application: ID
Type: CR+KP
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Vestibule-Walk-In Entrance
Average Occupancy: 1

Program Number(s):

1. A1.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	IRGWB	Washable
Floor	Recessed Entry Mat	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
J	1	1830 x 2135	Aluminum	Prefinished	AO-11	☐	☐		☐
J	1	1830 x 2135	Aluminum	Prefinished	AO-10	☐	☐		☐

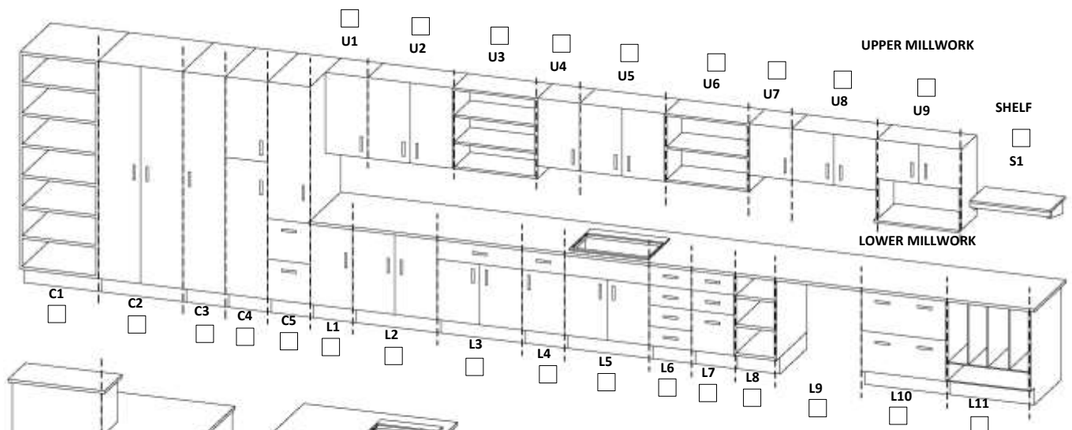
Other features: ☐ Security Grille ☐ Anti-barricade strategy

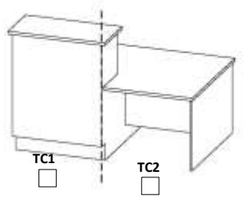
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK

UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital			Equipment connection to air curtains and fans										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: Tied in with corridor controls, Daylight sensor

Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [x] Remote Release

Location: Secure side
Placement: Public side
Application: ID
Type: CR
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General Qty.	F1	F2	F3	F4	Headwall 1 Qty.	F1	F2	F3	F4	Headwall 2 Qty	F1	F2	F3	F4	Headwall 3 Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Waiting Area
Average Occupancy: 7

Program Number(s):

1. A4.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☑ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior
	Privacy Film

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

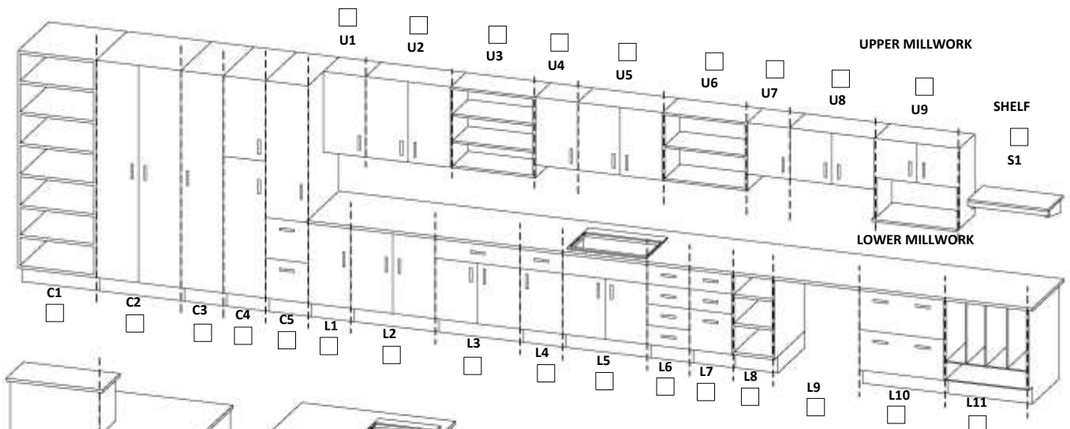
Other features: ☐ Security Grille ☐ Anti-barricade strategy

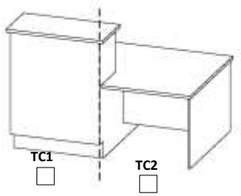
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

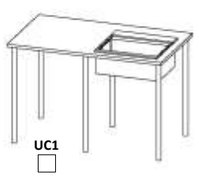
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2	2								
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	3	General use										
Conditional 2	HSKP	1											
Conditional 3	D	4	TV, future equipment										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	2
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☑ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Secure side
Placement:
Application: ID
Type:
Request to Exit:

IMIT Remarks: 1D at 1500mm AFF

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	2	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other: 1	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Waiting Area-General
Average Occupancy: 17

Program Number(s):

1. A1.7	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☑ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

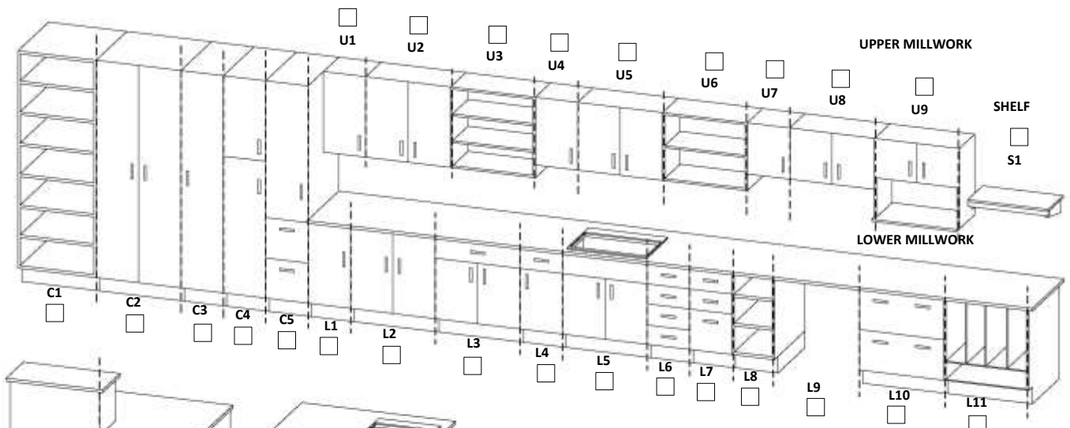
Other features: ☐ Security Grille ☐ Anti-barricade strategy

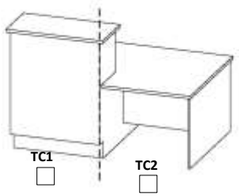
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

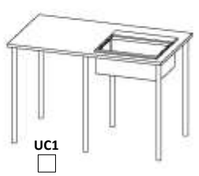
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	5	General use										
Conditional 2	HSKP	2											
Conditional 3	D	4	TV, future equipment										
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1											

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☑ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Secure side
Placement:
Application: ID
Type:
Request to Exit:

IMIT Remarks: 1D at 1500mm AFF; in lieu of 1A/1C/1NC provide 1A/1C/ only.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	2	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Waiting Room
Average Occupancy: 8

Program Number(s):

1. C1.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☑ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

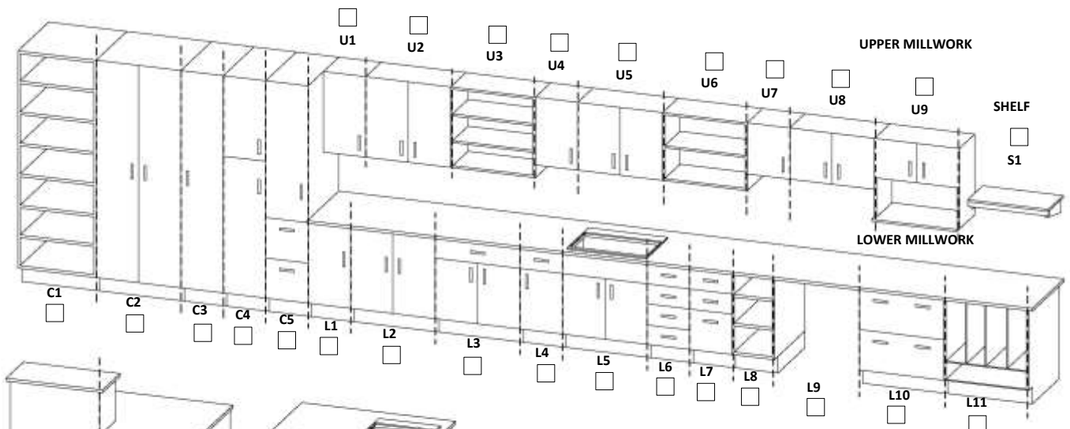
Other features: ☐ Security Grille ☐ Anti-barricade strategy

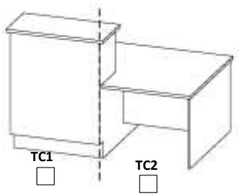
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

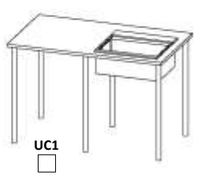
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	3	General use										
Conditional 2	HSKP	1											
Conditional 3	D	4	TV, future equipment										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	2
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☑ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Secure side
Placement:
Application: ID
Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Waiting Room-Large
Average Occupancy: 10

Program Number(s):

1. B1.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION
- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☑ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
EXT-2	

WINDOW TREATMENT

Exterior:	Interior
Roller Shade	

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

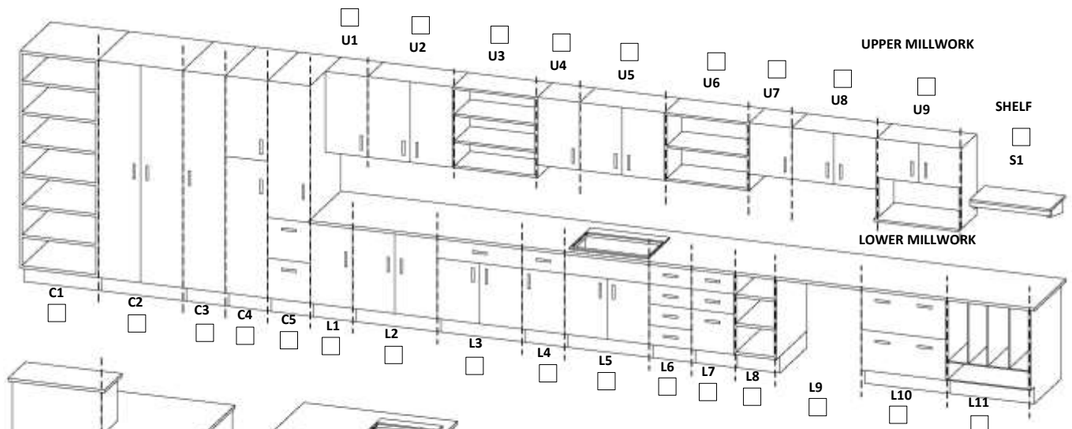
Other features: ☐ Security Grille ☐ Anti-barricade strategy

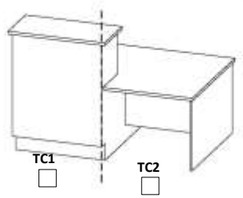
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

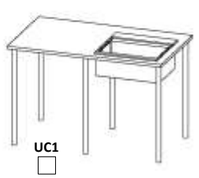
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- ☑ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☑ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	4	General use										
Conditional 2	HSKP	1											
Conditional 3	D	6	TV, Freestanding cellphone charging station, future										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING
- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	1
Television Outlets 1A/1C/1NC	2
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☑ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Secure side
Placement:
Application: ID
Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Waiting Room-Small
Average Occupancy: 4

Program Number(s):

1. D1.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- ☐ Coat Hooks
- ☐ Coat Hooks - Ligature Resistant
- ☐ Mop Hooks
- ☐ Mirror
- ☐ Mirror - Vandal Resistant
- ☐ Privacy Curtain
- ☐ Privacy Curtain - Ligature Resistant
- ☐ Shower Curtain
- ☐ Shower Curtain- Ligature Resistant
- ☐ Ceiling Lift
- ☐ Baby Change Table
- ☐ Magnetic Whiteboard

HARM PREVENTION

- ☐ Industrial Ligature Resistant Tamper Resistant sprinkler
- ☑ Concealed pendant quick-response sprinkler
- ☐ Pendant quick-response sprinkler
- ☐ Tamper Resistant screws and fittings
- ☐ Vandal Resistant Ligature Resistant plumbing fixtures
- ☐ Vandal Resistant Tamper Resistant pipe and valve cover
- ☐ Vandal Resistant Tamper Resistant access panels
- ☐ Security-type ventilating grille
- ☐ Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- ☐ Tamper Resistant Ligature Resistant breakaway smoke detector cover
- ☐ Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- ☑ Corner Guards
- ☑ Sheet
- ☐ Wall Padding
- ☐ Crash Rails
- ☑ Chair Rail
- ☐ Hand Rails
- ☐ Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior
	Privacy Film

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	1065 x 2135	Solid Core	Plam	CR-02	☐	☑	2 High	☐
C	1	1065 x 2135	Solid Core	Plam	CR-01	☐	☑	2 High	☐

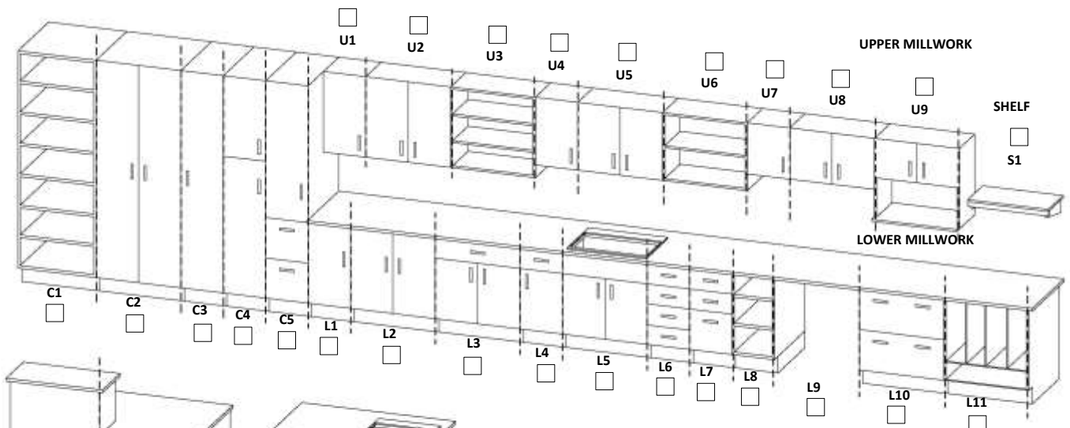
Other features: ☐ Security Grille ☐ Anti-barricade strategy

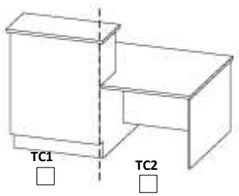
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

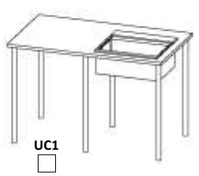
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain

Other:

ROOM CONTROLS

- ☑ Dedicated Temperature Control
- ☐ Local Temperature Adjustment
- ☐ Room Relative Humidity with Local Readout
- ☐ Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- ☑ Exhaust Required
- ☐ Dedicated Exhaust
- ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D-USB	2	General use										
Conditional 2	HSKP	1											
Conditional 3	D	2	TV, future equipment										
Delayed Vital													
Vital 1													
Vital 2													
UPS													

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☑ Clock

LIGHTING

- ☐ Workstation Task Light
- ☐ Bedside Staff Light
- ☐ Visitor Light
- ☐ Night Light
- ☐ Vanity Light
- ☐ Zone Controller
- ☐ Colour Tunable
- ☐ Reading Light
- ☐ Hand Hygiene Sink Light
- ☐ Examination Light
- ☐ Perinatal Examination Light
- ☐ Shower Light
- ☐ Valance Light

Lighting Remarks: General lighting - indirect

☑ Lighting Control Type: Zone controlled, BMS

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	0
Television Outlets 1A/1C/1NC	0
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☑ Video Intercomm Station
- ☑ Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS

- ☐ Clinical Camera
- ☑ Security Camera
- ☐ Camera Monitor
- ☑ Access Control
- ☐ Panic Duress - Wired
- ☑ Key Override
- ☑ Door Contact
- ☐ Remote Release

Location: Secure side
Placement: Public side
Application: ID
Type: CR
Request to Exit: MS

IMIT Remarks: Video intercom to public side area; in lieu of 1A/1C/1NC provide 1A/1C/ only.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP	SA															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower/Tub-Ensuite
Average Occupancy: 1

Program Number(s):

1. C2.4.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
L	1	1220 x 2135	Solid Core	Plam	S-PW-01	☐	☐	2 High	☑
						☐	☐		☐

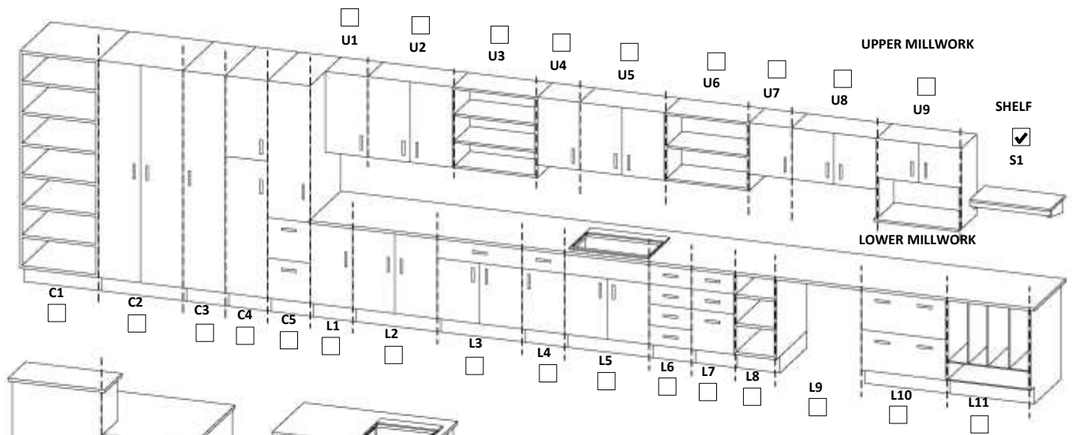
Other features: ☐ Security Grille ☑ Anti-barricade strategy

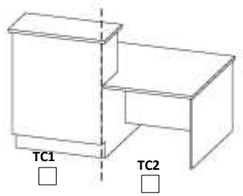
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

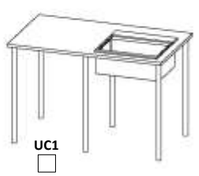
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:

- [x] Shower
- [x] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

Ventilation Remarks:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	2
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower/Tub-Ensuite-AIR
Average Occupancy: 1

Program Number(s):

1. C2.5.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Solid Core	Plam	PW-02	☐	☐	2 High	☐
						☐	☐		☐

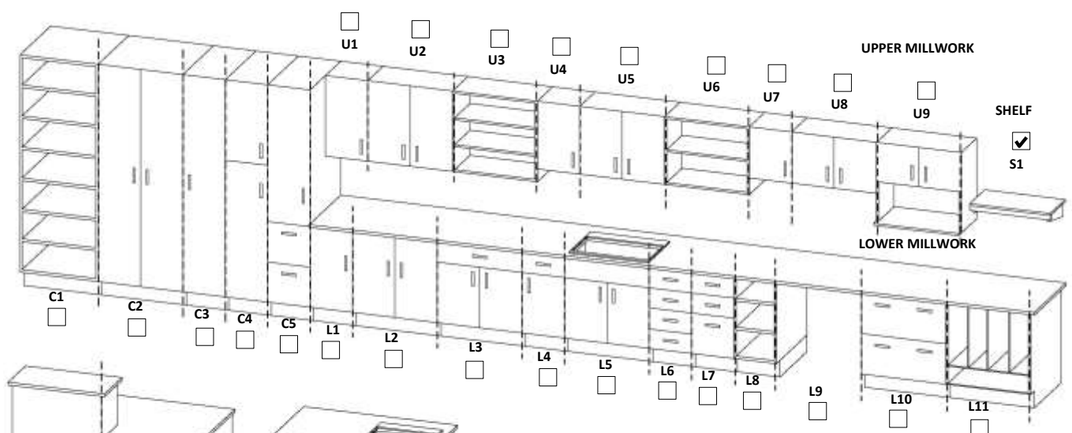
Other features: ☐ Security Grille ☑ Anti-barricade strategy

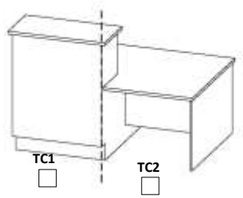
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

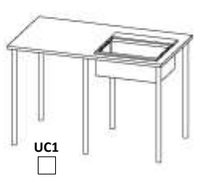
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:

- [x] Shower
- [x] Tub
- [x] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital	D	1	Macerator										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	2
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Ensuite
Average Occupancy: 1

Program Number(s):

1. B2.1.1	4. C2.8.1	7.	10.	13.	16.
2. B5.1.1	5.	8.	11.	14.	17.
3. C2.6.1	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:
Provide two (2) B2.1.1 and one (1) C2.6.1 rooms with: Room Accessories and Harm Prevention requirements as set out for A3.5.2; corner guards w/ rounded, blunt corners w/o edges to reduce self-harm.

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES
Exterior: | Interior:

WINDOW TREATMENT
Exterior: | Interior:

DOORS
Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1065 x 2135	Solid Core	Plam	PW-01	☐	☐	2 High	☐
						☐	☐		☐

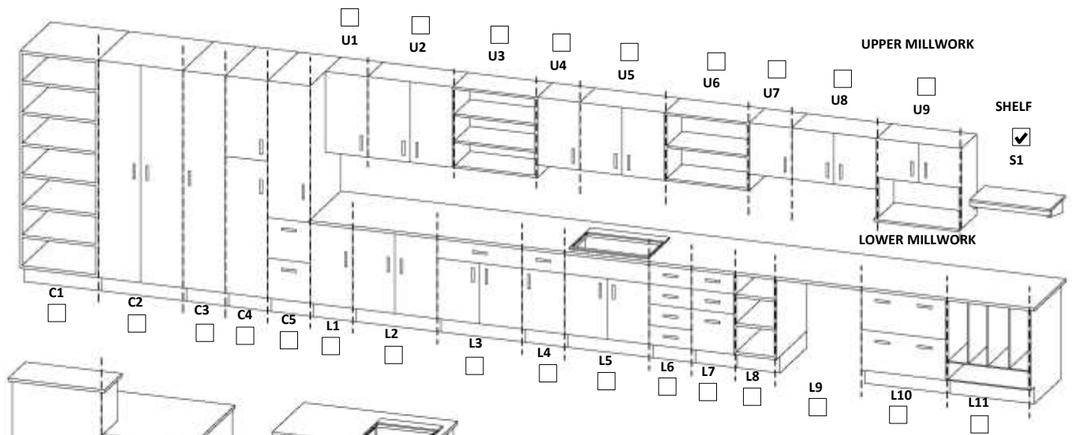
Other features:
- [ ] Security Grille
- [x] Anti-barricade strategy

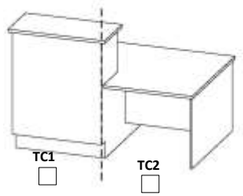
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

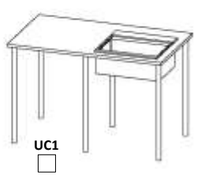
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks: Provide Ligature Resistant faucet type for two (2) B2.1.1 and one (1) C2.6.1 Washroom/Shower-Ensuite with electronic control.

Other Fixtures:
- [x] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

Ventilation Remarks:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1	High Level - UV light disinfection power										
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Ensuite-Bariatric
Average Occupancy: 1

Program Number(s):

1. B2.3.1	4.	7.	10.	13.	16.
2. B5.3.1	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:
Provide one (1) B2.3.1 room with Room Accessories and Harm Prevention requirements set out for A3.5.2.

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

GLAZING TYPES

Exterior:	Interior

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Solid Core	Plam	PW-02	☐	☐	2 High	☐
						☐	☐		☐

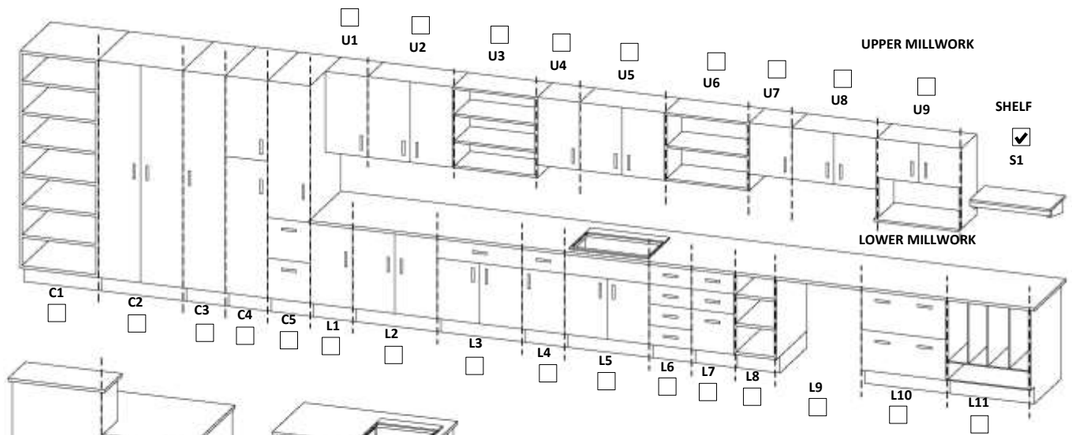
Other features: ☐ Security Grille ☑ Anti-barricade strategy

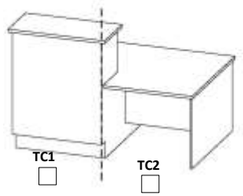
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

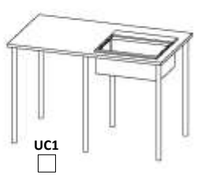
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks: Provide Ligature Resistant faucet type for one (1) B2.3.1 Washroom/Shower-Ensuite-Bariatric with electronic control.

Other Fixtures:
- [x] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Ensuite-Bariatric-AIR
Average Occupancy: 1

Program Number(s):

1. B2.4.2	4.	7.	10.	13.	16.
2. B5.4.2	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:
Provide one (1) B2.4.2 and one (1) B5.4.2 rooms with Room Accessories and Harm Prevention requirements set out for A3.5.2.

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES
Exterior: | Interior:

WINDOW TREATMENT
Exterior: | Interior:

DOORS
Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Solid Core	Plam	PW-02	☐	☐	2 High	☐
						☐	☐		☐

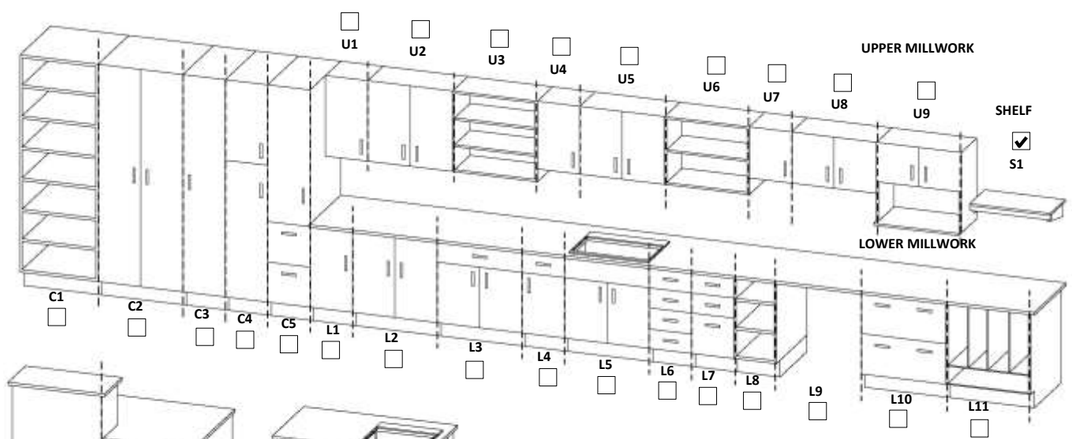
Other features: ☐ Security Grille ☑ Anti-barricade strategy

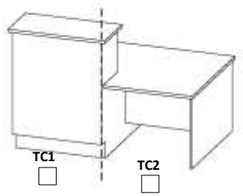
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

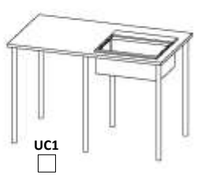
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: I

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks: Provide Ligature Resistant faucet type for B2.4.2 with electronic control.

Other Fixtures:
- [x] Shower
- [ ] Tub
- [x] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION
Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:
- [x] Exhaust Required
- [x] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital	D	1	Macerator										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided
Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Ensuite-Shared
Average Occupancy: 1

Program Number(s):

1. B2.1.1	4.	7.	10.	13.	16.
2. B5.2.1	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1065 x 2135	Solid Core	Plam	PW-03	☐	☐	2 High	☐
						☐	☐		☐

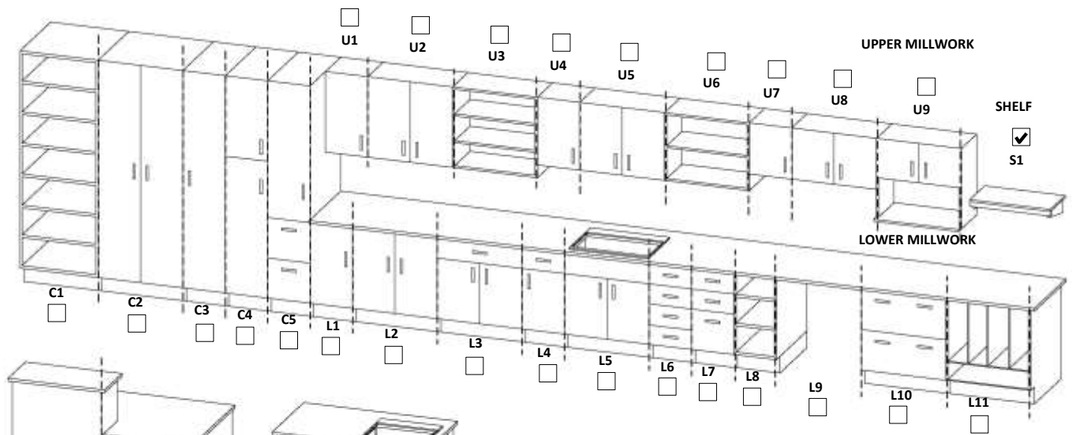
Other features: ☐ Security Grille ☑ Anti-barricade strategy

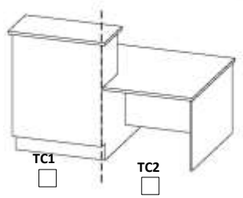
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

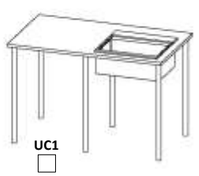
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: II

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [x] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

Ventilation Remarks:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1	High Level - UV light disinfection power										
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Patient
Average Occupancy: 1

Program Number(s):

1. A2.2.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1065 x 2135	Solid Core	Plam	WR-04	☐	☐	2 High	☐
						☐	☐		☐

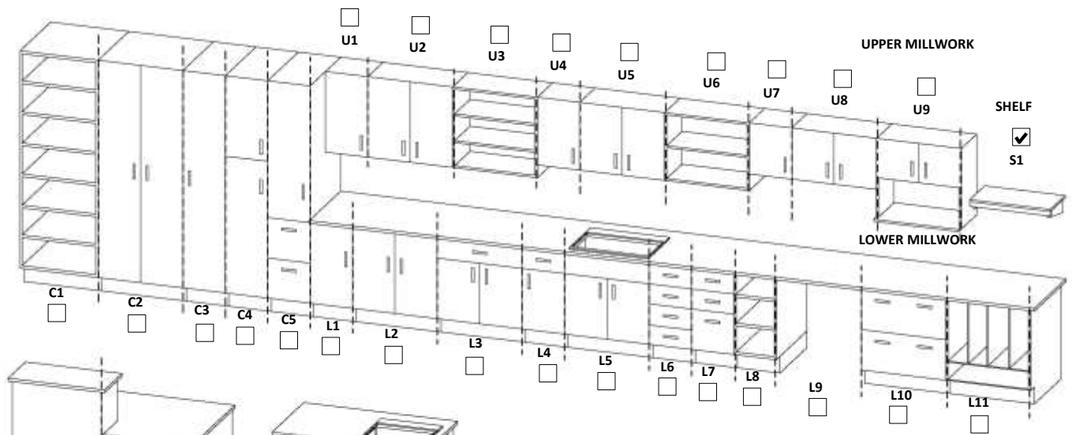
Other features: ☐ Security Grille ☑ Anti-barricade strategy

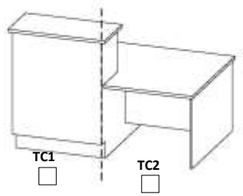
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

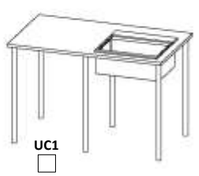
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:

- [x] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Patient-Bariatric
Average Occupancy: 1

Program Number(s):

1. A3.15	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [x] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [x] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [x] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [x] Tamper Resistant screws and fittings
- [x] Vandal Resistant Ligature Resistant plumbing fixtures
- [x] Vandal Resistant Tamper Resistant pipe and valve cover
- [x] Vandal Resistant Tamper Resistant access panels
- [x] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [x] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks: All door panels to have privacy film on lower glazing panels and integral blinds on upper glazing panels

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Solid Core	Plam	WR-05	☐	☑	2 High	☐
						☐	☐		☐

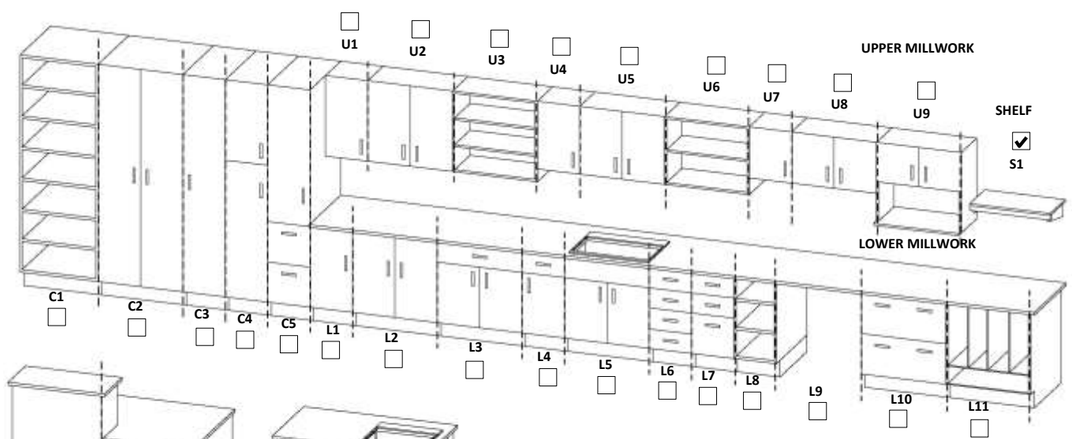
Other features: ☐ Security Grille ☑ Anti-barricade strategy

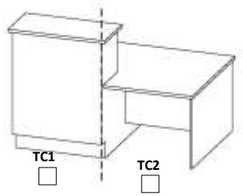
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

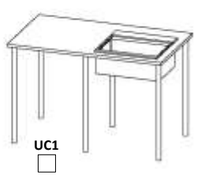
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Ligature Resistant	Electronic Control

plumbing remarks:

Other Fixtures:

- [x] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Patient-Bariatric-AIR
Average Occupancy: 1

Program Number(s):

1. A3.5.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [x] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [x] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [x] Industrial Ligature Resistant Tamper Resistant sprinkler
- [ ] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [x] Tamper Resistant screws and fittings
- [x] Vandal Resistant Ligature Resistant plumbing fixtures
- [x] Vandal Resistant Tamper Resistant pipe and valve cover
- [x] Vandal Resistant Tamper Resistant access panels
- [x] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [x] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [x] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1220 x 2135	Solid Core	Plam	PW-01	☐	☐	2 High	☐
						☐	☐		☐

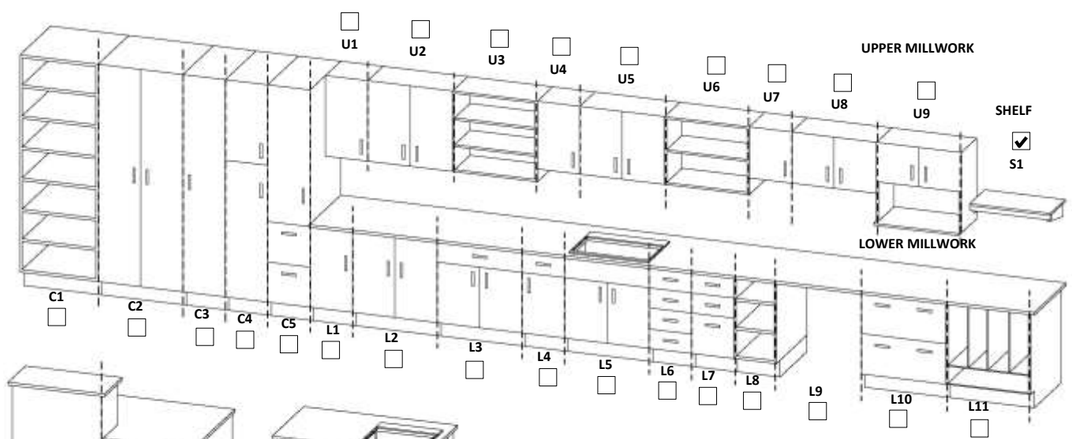
Other features: ☐ Security Grille ☑ Anti-barricade strategy

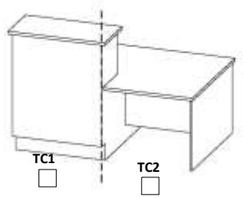
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

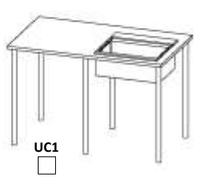
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks: Refer to Schedule 1, Section 7.3.3.1(12) for additional requirements for Vandal Resistant Ligature Resistant plumbing fixtures.

Other Fixtures:

- [x] Shower
- [ ] Tub
- [x] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [x] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital	D	1	Macerator										
Vital 1													
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Patient-Gyne
Average Occupancy: 1

Program Number(s):

1. A3.6.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [x] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1065 x 2135	Solid Core	Plam	PW-03	☐	☐	2 High	☐
						☐	☐		☐

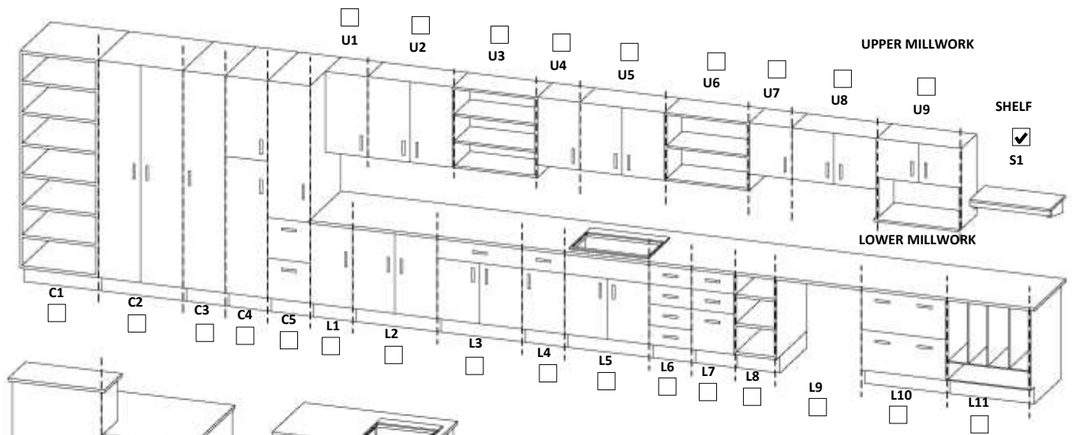
Other features: ☐ Security Grille ☑ Anti-barricade strategy

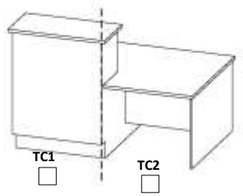
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

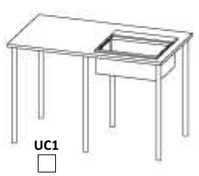
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:

- [x] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required if radiant panel is not provided

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom/Shower-Staff
Average Occupancy: 1

Program Number(s):

1. A2.2.4	4. B8.4	7.	10.	13.	16.
2. A7.3	5. C5.7	8.	11.	14.	17.
3. A7.7	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [x] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks: First door requires CR-04 for A2.2.4 and WR-02 for A7.7. Second door applies to A2.2.4 only.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	WR-03	☐	☐	2 High	☐
A	1	914 x 2135	Solid Core	Plam	CR-04	☐	☐	2 High	☐

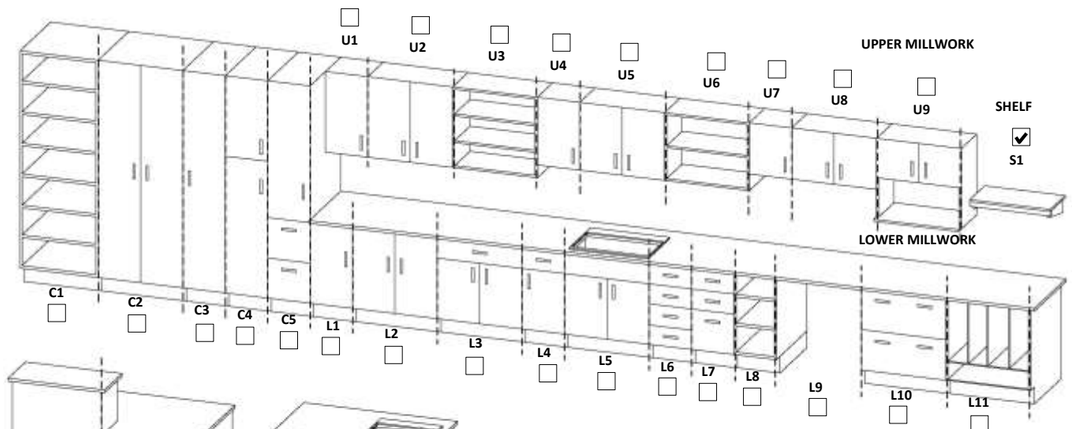
Other features: ☐ Security Grille ☐ Anti-barricade strategy

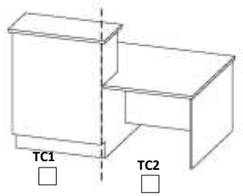
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

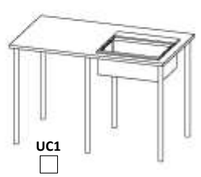
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [x] Shower
- [ ] Tub
- [x] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [x] Shower Light
- [ ] Valance Light

Lighting Remarks: Heat lamp required

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Public side

Application: Type: KP

Request to Exit:

IMIT Remarks: KP does not apply for A7.7.

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom-Patient
Average Occupancy: 1

Program Number(s):

1. A3.14	4.	7.	10.	13.	16.
2. A4.6	5.	8.	11.	14.	17.
3. C2.9	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1065 x 2135	Solid Core	Plam	WR-01	☐	☐	2 High	☐
						☐	☐		☐

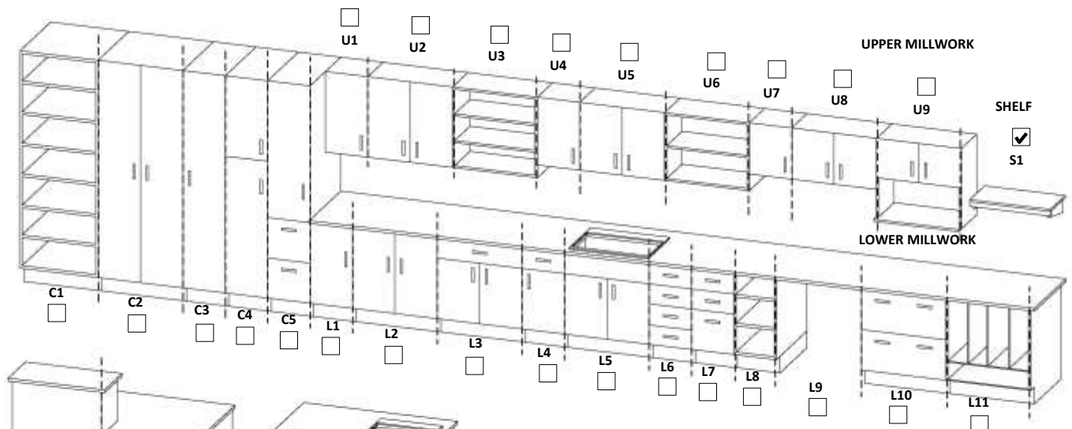
Other features: ☐ Security Grille ☑ Anti-barricade strategy

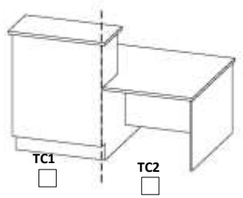
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

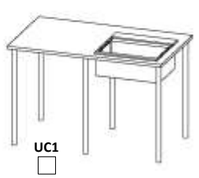
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement:
Application: Type:
Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom-Patient-Bariatric
Average Occupancy: 1

Program Number(s):

1. B7.7	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	MMRGWB	Washable
Wall	MMRGWB	Waterproof Cover.
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Solid Core	Plam	WR-05	☐	☐	2 High	☐
						☐	☐		☐

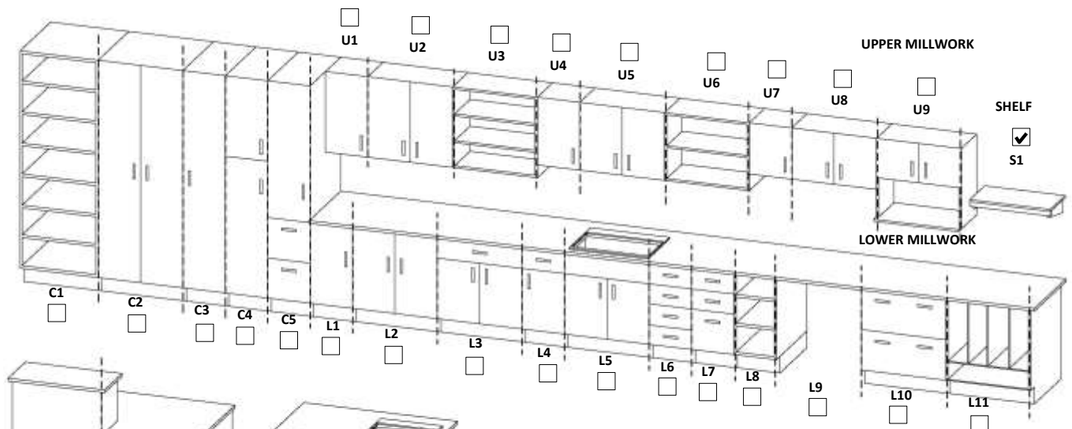
Other features: ☐ Security Grille ☑ Anti-barricade strategy

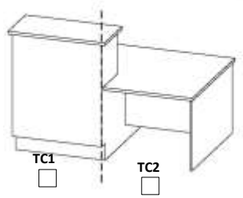
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

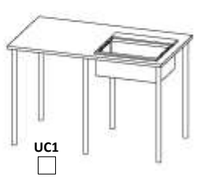
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Ligature Resistant	Electronic Control

plumbing remarks:

Other Fixtures:
- [x] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

Ventilation Remarks:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [x] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Refer to SoR for detailed description

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom-Public
Average Occupancy: 1

Program Number(s):

1. A1.14	4.	7.
2. B1.2	5.	8.
3. C1.2	6.	9.

10.	13.	16.
11.	14.	17.
12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [x] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1065 x 2135	Solid Core	Plam	WR-04	☐	☐	2 High	☐
						☐	☐		☐

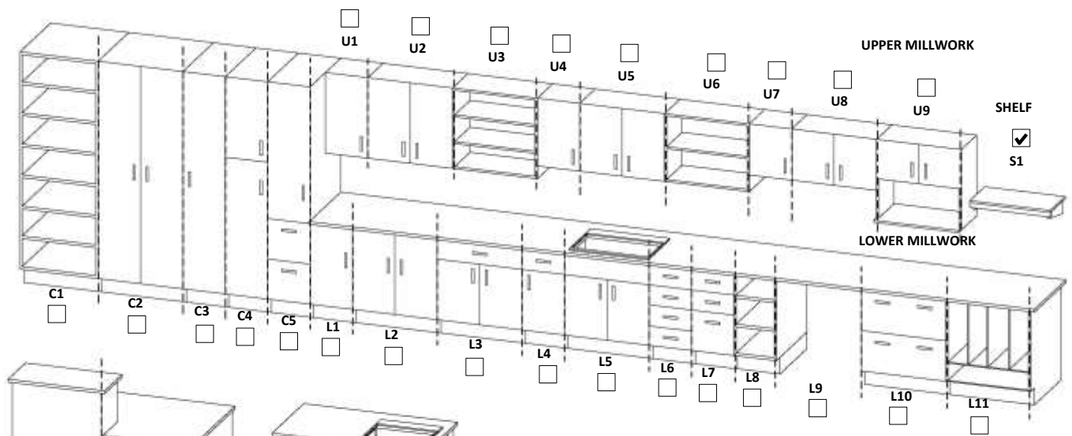
Other features: ☐ Security Grille ☑ Anti-barricade strategy

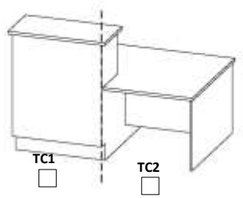
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

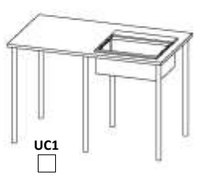
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom-Public-Bariatric
Average Occupancy: 1

Program Number(s):

1. A1.15	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [ ] Coat Hooks
- [x] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [x] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
F	1	1530 x 2135	Solid Core	Plam	WR-06	☐	☐	2 High	☐
						☐	☐		☐

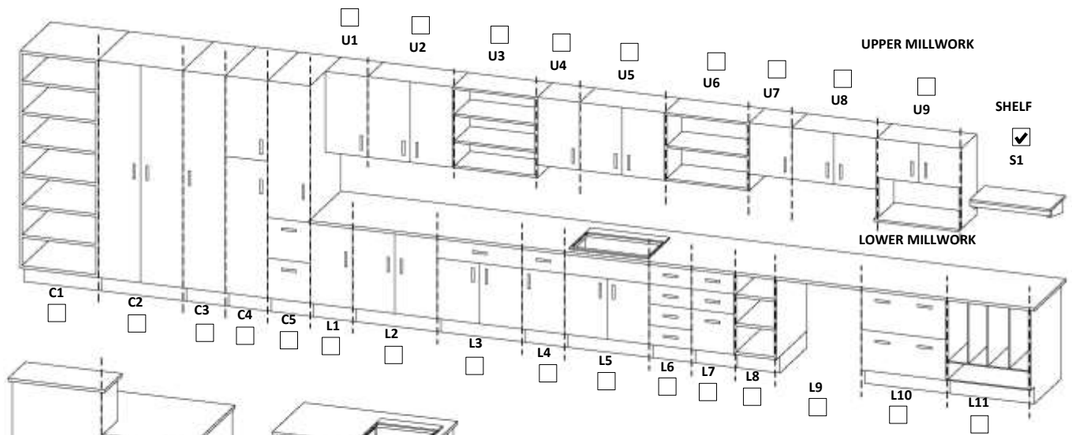
Other features: ☐ Security Grille ☑ Anti-barricade strategy

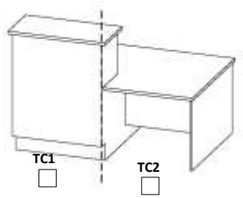
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

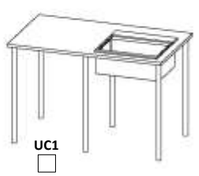
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:
Upper Millwork:
Countertop:
Lower Millwork:
Shelf: Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [x] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

Ventilation Remarks:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks | Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks: No audio required for NC device

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	1
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Washroom-Staff
Average Occupancy: 1

Program Number(s):

1. A2.5	4. B6.6	7.	10.	13.	16.
2. A7.2	5. C5.8	8.	11.	14.	17.
3. B3.2	6. D5.5	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	GWB	Washable
Wall	MMRGWB	Washable
Floor	Resilient	Non-Skid
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [x] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	914 x 2135	Solid Core	Plam	WR-03	☐	☐	1 Low	☐
						☐	☐		☐

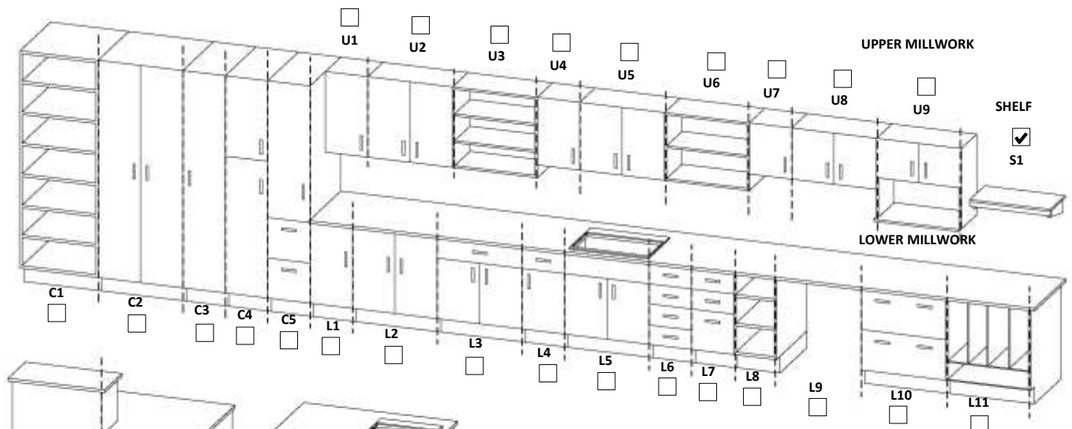
Other features: ☐ Security Grille ☐ Anti-barricade strategy

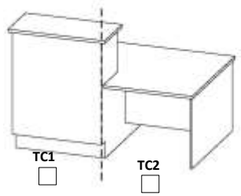
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

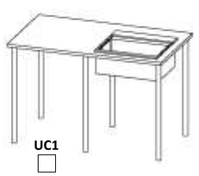
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
0		☐	☐	☐	☐

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	Stainless Steel

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Lavatory	1	Wall Hung	Gooseneck	Electronic Control

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [x] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

Ventilation Remarks:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	1	GFCI										
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1	D	1											
Vital 2													
UPS													

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [x] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks:

Type: Auto on/auto off, ceiling mount

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [ ] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: KP
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workroom-Biomed
Average Occupancy: 2

Program Number(s):

1. B7.3	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
A	1	1065 x 2135	Solid Core	Plam	AO-02	☐	☑	2 High	☐
						☐	☐		☐

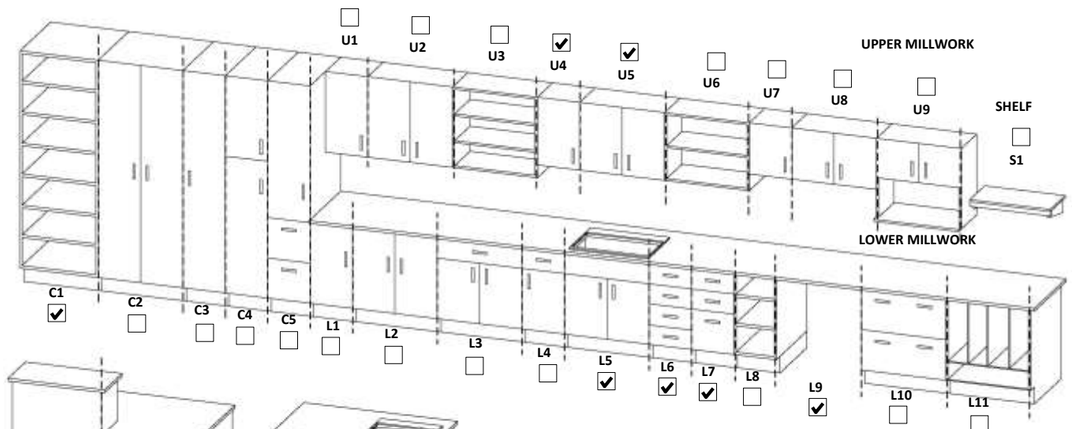
Other features: ☐ Security Grille ☐ Anti-barricade strategy

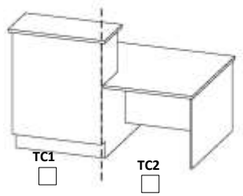
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

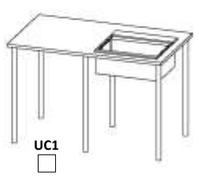
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	4248	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Lab Grade Plam
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

	quantity	mounting type	faucet type	control type
Hand Hygiene	1	Wall Hung	Gooseneck	Electronic Control
Utility	1	Counter	Gooseneck	Lever Blade

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [x] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☑ Negative ☐ Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity) 2

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2	2								
Med Air	2								
Med Vac	2								
N20	1								
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3	D	2											
Delayed Vital	D	2											
Vital 1	D	3											
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Lighting Control
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	14
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	7
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [ ] Remote Release

Location:
Placement: Public side
Application:
Type: CR
Request to Exit: HW Div.8

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workroom-Business Machine
Average Occupancy: 1

Program Number(s):

1. A1.3	4.	7.	10.	13.	16.
2. B4.3	5.	8.	11.	14.	17.
3. C3.6	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

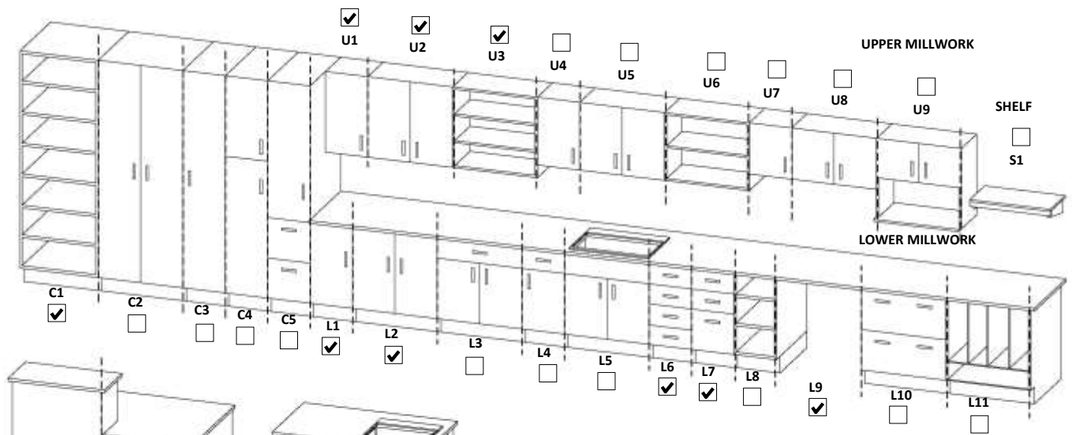
Other features: ☐ Security Grille ☐ Anti-barricade strategy

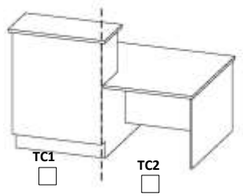
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

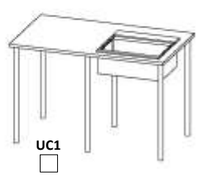
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3600	☐	☐	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [x] Negative [ ] Other:

- [x] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3	D	2	Printer, shredder										
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	2											

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [x] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: Daylight sensor as required by ASHRAE

- [x] Lighting Control

Type: Daylight sensor, manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [x] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement: | Application: | Type: | Request to Exit:

IMIT Remarks: Only A1.3 requires security camera

NURSE CALL

	General Qty.	General F1	General F2	General F3	General F4	Headwall 1 Qty.	Headwall 1 F1	Headwall 1 F2	Headwall 1 F3	Headwall 1 F4	Headwall 2 Qty	Headwall 2 F1	Headwall 2 F2	Headwall 2 F3	Headwall 2 F4	Headwall 3 Qty.	Headwall 3 F1	Headwall 3 F2	Headwall 3 F3	Headwall 3 F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workroom-Care Team
Average Occupancy: 5

Program Number(s):

1. B4.2.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks: Provide a separate deadbolt with office lockset on Door 1 for use in a panic situation.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1220 x 2135	Aluminum	Prefinished	SL-05	☐	☑		☐
B	1	914 x 2135	Solid Core	Plam	CR-01	☐	☑	2 High	☐

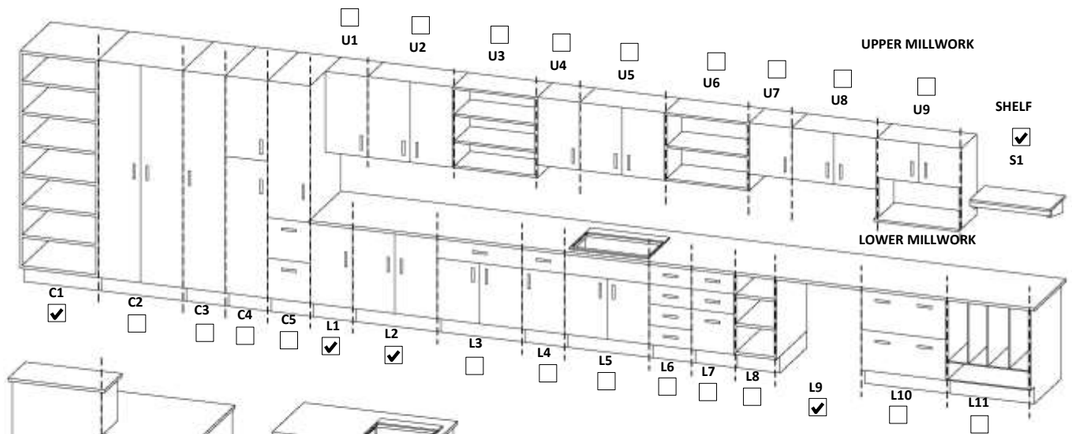
Other features: ☐ Security Grille ☐ Anti-barricade strategy

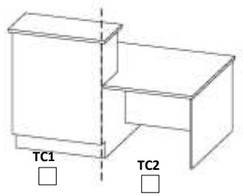
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

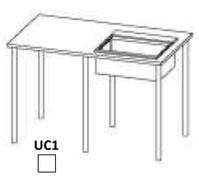
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	8700	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	5											
Conditional 2	HSKP	1											
Conditional 3	D	3	2 for battery chargers, one on the west wall										
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	5	One per workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: General lighting - indirect

[x] Lighting Control Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	5
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [x] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Secure side | Placement:
Application: OB | Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workroom-Care Team-Large
Average Occupancy: 6

Program Number(s):

1. A3.17.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	914 x 2135	Solid Core	Plam	OF-01	☐	☑	2 High	☐
						☐	☐		☐

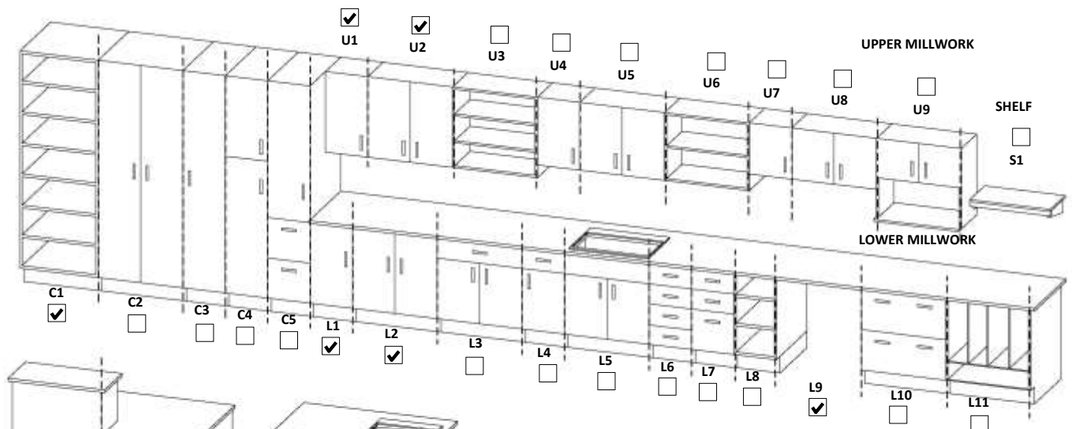
Other features: ☐ Security Grille ☐ Anti-barricade strategy

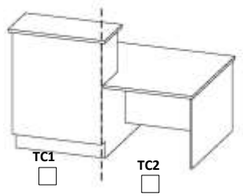
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

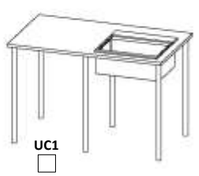
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	10200	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

Ventilation Remarks:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	6											
Conditional 2	HSKP	1											
Conditional 3	D	2	Printer										
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	6	One per workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	6
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [x] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Secure side
Placement:
Application: OB
Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workroom-Care Team-Small
Average Occupancy: 3

Program Number(s):

1. B6.2.2	4.	7.	10.	13.	16.
2. C3.2.2	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-1

WINDOW TREATMENT

Exterior:	Interior
	Integral Blinds

DOORS

Door Remarks: Rooms C3.2.2 and B6.2.2 are combined. First door assigned to C3.2.2. Second door assigned to B6.2.2.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
B	1	914 x 2135	Solid Core	Plam	OF-01	☐	☑	2 High	☐
G	1	1830 x 2135	Aluminum	Prefinished	SL-05	☐	☑		☐

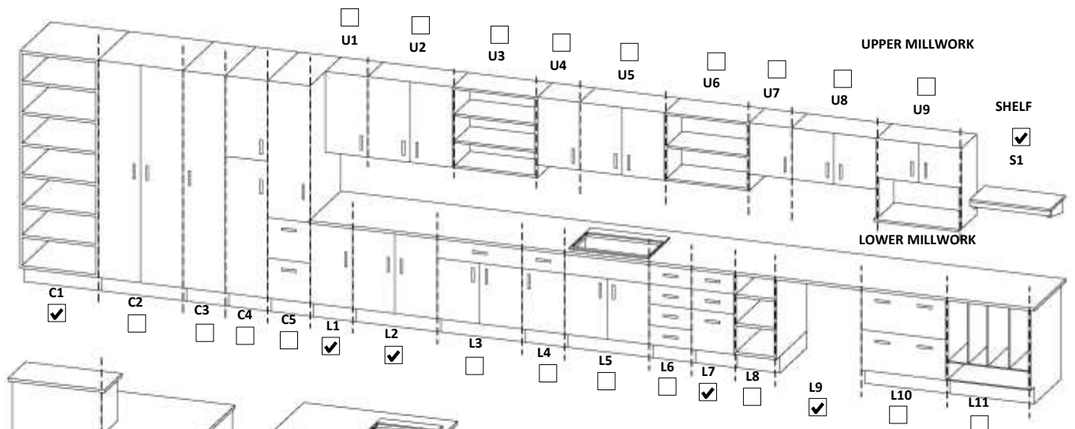
Other features: ☐ Security Grille ☐ Anti-barricade strategy

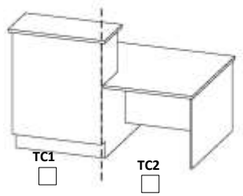
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

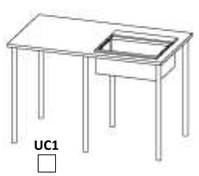
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	5700	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	Plastic Laminate
Upper Millwork:	
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	Plastic Laminate

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

[ ] Exhaust Required [ ] Dedicated Exhaust [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	4											
Conditional 2	HSKP	1											
Conditional 3	D	3	Printer. For WoW battery chargers										
Delayed Vital													
Vital 1	D	1	Electronic patient board										
Vital 2	D	1											
UPS	D	3	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: General lighting - indirect

[x] Lighting Control Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	6
Television Outlets 1A/1C/1NC	1
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [x] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Secure side
Placement:
Application: OB
Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	1
MCS (full feature)	
EPCA Station	
Other:	

EXECUTION COPY

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workroom-Pneumatic Tube Station
Average Occupancy: 1

Program Number(s):

1. B4.10	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Washable
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1065 x 2135	Solid Core	Plam	AO-01	☐	☐	1 Low	☐
						☐	☐		☐

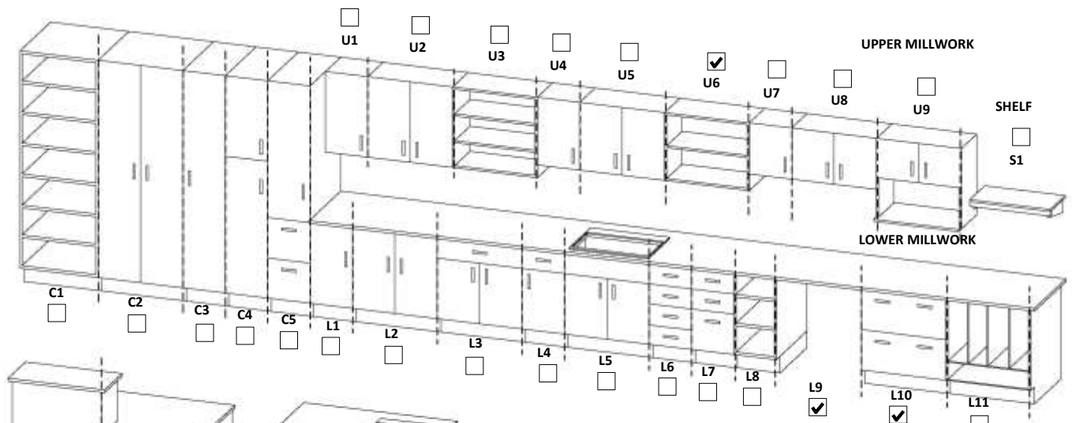
Other features: ☐ Security Grille ☐ Anti-barricade strategy

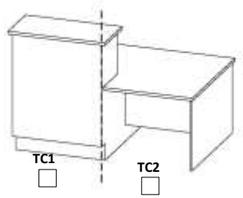
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

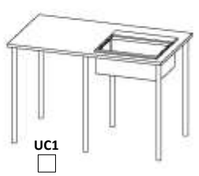
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1500	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2	HSKP	1											
Conditional 3	D-USB	2											
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Tube station										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [ ] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

[x] Lighting Control Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA																
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workstation-Central Monitoring
Average Occupancy: 1

Program Number(s):

1. A3.18	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES
- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [ ] Magnetic Whiteboard

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION
- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

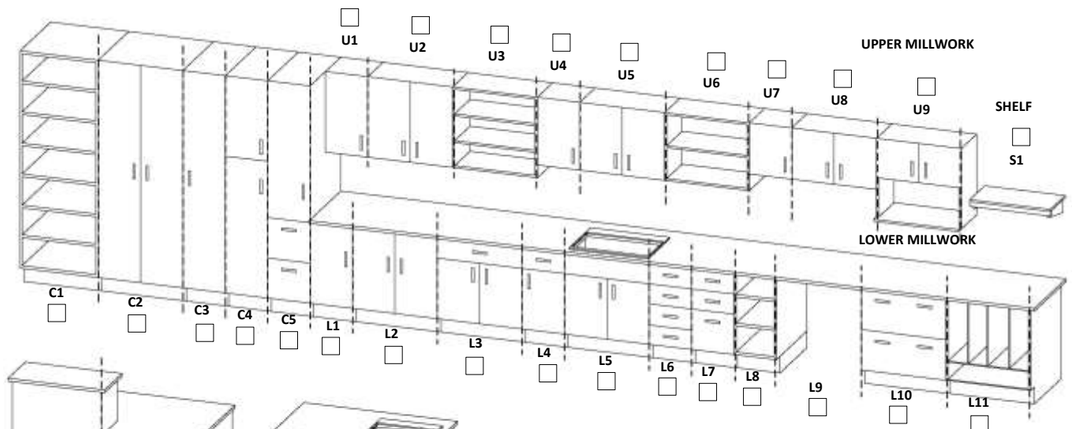
Other features: ☐ Security Grille ☐ Anti-barricade strategy

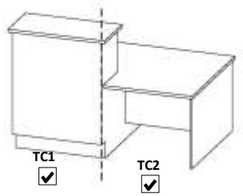
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

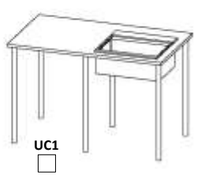
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	
Countertop:	
Lower Millwork:	
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- ☐ Shower
- ☐ Tub
- ☐ Solid Waste Disposal
- ☐ Ice Maker
- ☐ Water Closet
- ☐ Instantaneous Hot Water
- ☐ Wall-mounted Eyewash Station
- ☐ Emergency Shower
- ☐ Wall-mounted Drench Hose
- ☐ Floor Drain
- Other:

ROOM CONTROLS
- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☐ Positive ☐ Negative ☐ Other:

Ventilation Remarks:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	6	General use										
Conditional 2	D	1	Dedicated circuit for laser printer										
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	6	One per workstation, central monitoring station, ele										

- ☐ Patient Care Area Designation as per CSA Z32
- ☐ Remote Power Shut-Off
- ☐ Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	4
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- ☐ Intercomm Station
- ☐ Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- ☐ Video Conferencing

SECURITY SYSTEMS
- ☐ Clinical Camera
- ☐ Security Camera
- ☐ Camera Monitor
- ☐ Access Control
- ☐ Panic Duress - Wired
- ☐ Key Override
- ☐ Door Contact
- ☐ Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks: Requires Marquee

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA																
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	1
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workstation-Clinician
Average Occupancy: 1

Program Number(s):

1. A1.6.1	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Washable
Floor	Resilient	Slip Resistant
Base:	Flash Cove	

General Remarks:

WALL PROTECTION
- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

ROOM ACCESSORIES
- [ ] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

GLAZING TYPES

Exterior:	Interior

HARM PREVENTION
- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

A	A2	B	B2	C	C2	D	D2	E	E2	F	F2	G	H	J	K	L

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

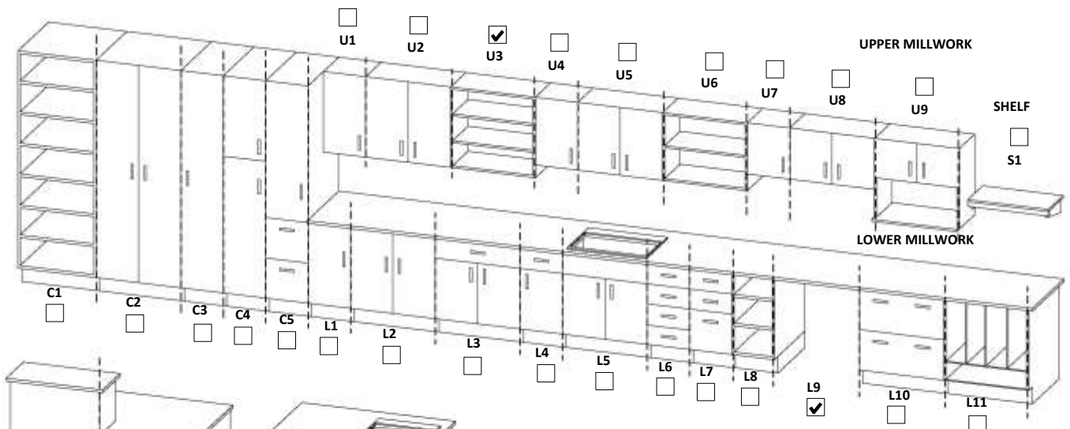
Other features: ☐ Security Grille ☐ Anti-barricade strategy

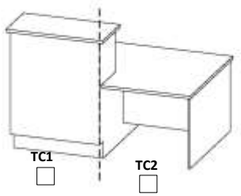
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

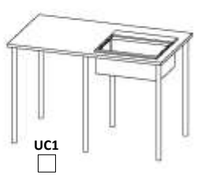
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:
- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS
- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1											
Conditional 2													
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	2	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING
- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS
- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Placement: Application: Type: Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA																
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workstation-Learner
Average Occupancy: 1

Program Number(s):

1. A3.17.3	4.	7.	10.	13.	16.
2. B4.2.3	5.	8.	11.	14.	17.
3. C3.2.3	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						[ ]	[ ]		[ ]
						[ ]	[ ]		[ ]

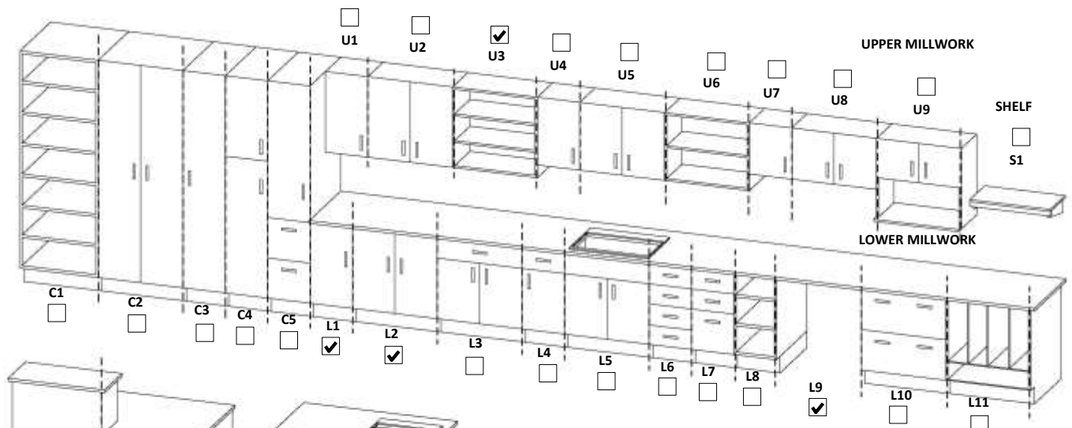
Other features: [ ] Security Grille [ ] Anti-barricade strategy

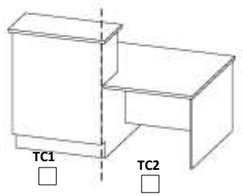
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

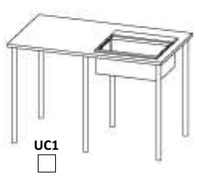
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	[ ]	[x]	[ ]	[x]

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [x] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	3	General use										
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA																
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workstation-Production Support
Average Occupancy: 1

Program Number(s):

1. D3.4	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [ ] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

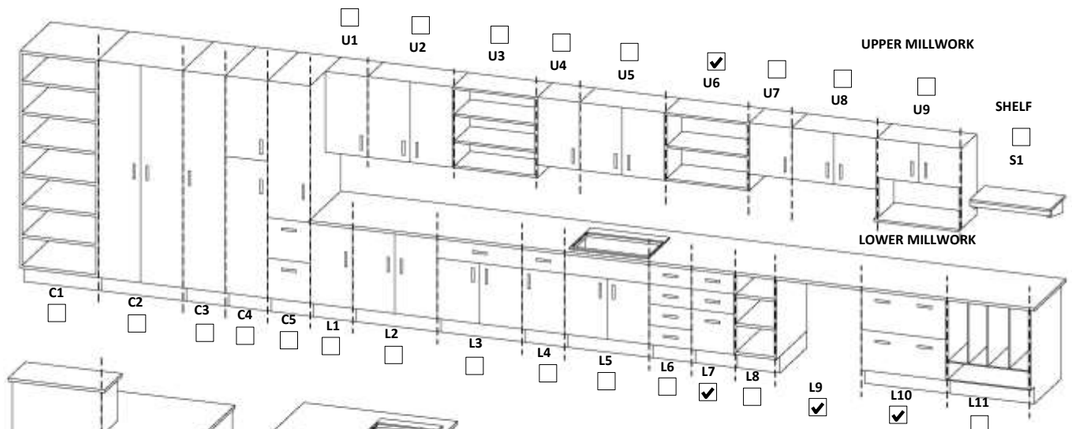
Other features: ☐ Security Grille ☐ Anti-barricade strategy

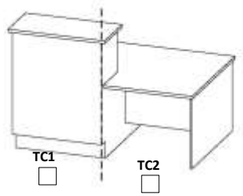
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

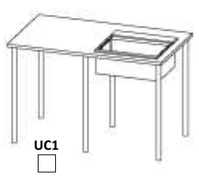
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	3000	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Solid Surfacing
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS: Acoustic isolation req'd (loud machinery)

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	D	2											
Conditional 2	HSKP	1											
Conditional 3													
Delayed Vital													
Vital 1	D	1	ATC machine										
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [x] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [x] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station																				
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workstation-Registration
Average Occupancy: 2

Program Number(s):

1. A1.2	4.	7.	10.	13.	16.
2.	5.	8.	11.	14.	17.
3.	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior:	Interior
	INT-3

WINDOW TREATMENT

Exterior:	Interior

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
G	1	1065 x 2135	Solid Core	Plam	AO-01	☐	☑	2 High	☐
						☐	☐		☐

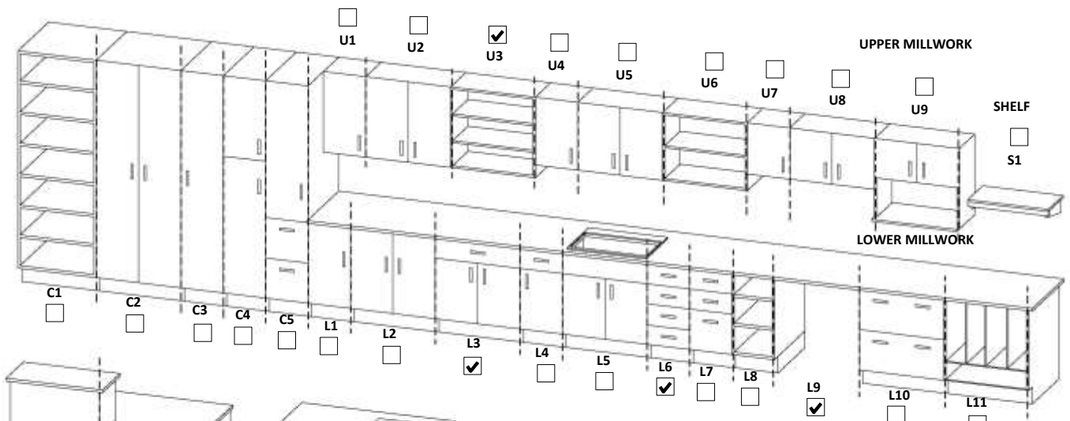
Other features: ☐ Security Grille ☐ Anti-barricade strategy

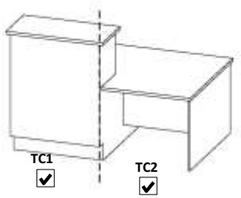
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

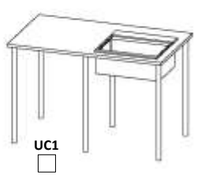
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	1800	☑	☑	☑	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

Transaction counter to be Millwork, not Modular Casework. Interior glazing between Staff and Public areas to be INT-1.

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:
NC 20 or less

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [x] Dedicated Temperature Control
- [x] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: ☐ Equal ☑ Positive ☐ Negative ☐ Other:

☐ Exhaust Required ☐ Dedicated Exhaust ☐ Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1		Headwall 2		Headwall 3		Overhead Booms	
		NS	NNS	NS	NNS	NS	NNS	BOOM NS	BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1											
Conditional 2	D	3	Printer, label printer, POS machine.										
Conditional 3													
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	3	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	5
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [x] Security Camera
- [ ] Camera Monitor
- [x] Access Control
- [x] Panic Duress - Wired
- [x] Key Override
- [x] Door Contact
- [x] Remote Release

Location: Secure side
Placement: Public side
Application: RC
Type: CR
Request to Exit: MS

IMIT Remarks:

NURSE CALL

	General					Headwall 1					Headwall 2					Headwall 3				
	Qty.	F1	F2	F3	F4	Qty.	F1	F2	F3	F4	Qty	F1	F2	F3	F4	Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA	CP															
2nd Button Station																				
Other:																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other:	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workstation-Touchdown
Average Occupancy: 1

Program Number(s):

1. A3.19	4. B6.5	7.
2. A4.3	5. C2.3	8.
3. B3.1	6. C3.5	9.

10.	13.	16.
11.	14.	17.
12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [ ] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks: C2.3 only: Hardware Group AO-05; No door for A3.19; Integral blinds for B6.5.

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
K	1	1065 x 2135	Solid Core	Plam	AO-01	☐	☐	1 Low	☐
						☐	☐		☐

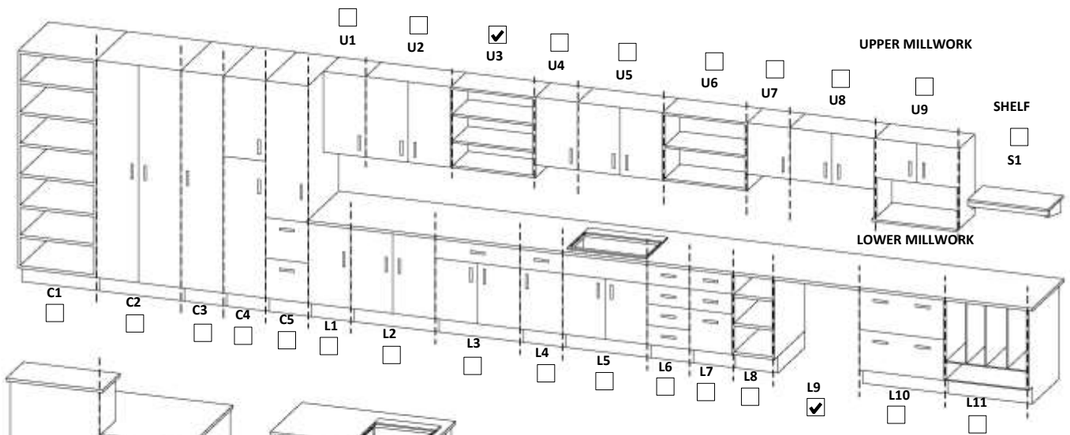
Other features: ☐ Security Grille ☐ Anti-barricade strategy

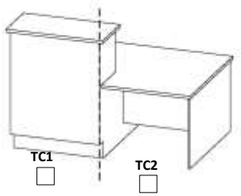
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

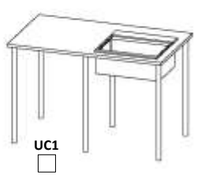
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1	General use										
Conditional 2	HSKP	1											
Conditional 3	D-USB	2	Cellphone charging										
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [ ] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [ ] Security Camera
- [ ] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: | Placement:
Application: | Type:
Request to Exit:

IMIT Remarks: Access control requirements for C3.5 only. MCS Full feature master control station QTY 1 required for 2.3

NURSE CALL

	General Qty.	F1	F2	F3	F4	Headwall 1 Qty.	F1	F2	F3	F4	Headwall 2 Qty	F1	F2	F3	F4	Headwall 3 Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	CP																
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	
MCS (full feature)	
EPCA Station	
Other: _____	

Schedule 1 - Statement of Requirements
Appendix 1C - Minimum Room Requirements
Cariboo Memorial Redevelopment Project

Room Name: Workstation-Unit Clerk
Average Occupancy: 1

Program Number(s):

1. A3.16	4. C3.1	7.	10.	13.	16.
2. B4.1	5.	8.	11.	14.	17.
3. B6.1	6.	9.	12.	15.	18.

ARCHITECTURAL REQUIREMENTS

INTERIOR FINISHES

	material	finish
Ceiling	SACT	Pre-Finished
Wall	GWB	Paint
Floor	Resilient	Slip Resistant
Base:	Rubber	

General Remarks:

ROOM ACCESSORIES

- [x] Coat Hooks
- [ ] Coat Hooks - Ligature Resistant
- [ ] Mop Hooks
- [ ] Mirror
- [ ] Mirror - Vandal Resistant
- [ ] Privacy Curtain
- [ ] Privacy Curtain - Ligature Resistant
- [ ] Shower Curtain
- [ ] Shower Curtain- Ligature Resistant
- [ ] Ceiling Lift
- [ ] Baby Change Table
- [x] Magnetic Whiteboard

HARM PREVENTION

- [ ] Industrial Ligature Resistant Tamper Resistant sprinkler
- [x] Concealed pendant quick-response sprinkler
- [ ] Pendant quick-response sprinkler
- [ ] Tamper Resistant screws and fittings
- [ ] Vandal Resistant Ligature Resistant plumbing fixtures
- [ ] Vandal Resistant Tamper Resistant pipe and valve cover
- [ ] Vandal Resistant Tamper Resistant access panels
- [ ] Security-type ventilating grille
- [ ] Vandal Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant lighting fixtures and Tamper Resistant receptacles
- [ ] Tamper Resistant Ligature Resistant breakaway smoke detector cover
- [ ] Extra heavy-duty electrical cover plate with Tamper Resistant screws

WALL PROTECTION

- [x] Corner Guards
- [x] Sheet
- [ ] Wall Padding
- [ ] Crash Rails
- [x] Chair Rail
- [ ] Hand Rails
- [ ] Bed Bumper / Locator

GLAZING TYPES

Exterior: | Interior:

WINDOW TREATMENT

Exterior: | Interior:

DOORS

Door Remarks:

Door types:

type	quantity	size (mm)	material	finish	Hardware Group	sidelight	integral blinds	door & frame protect.	privacy film
						☐	☐		☐
						☐	☐		☐

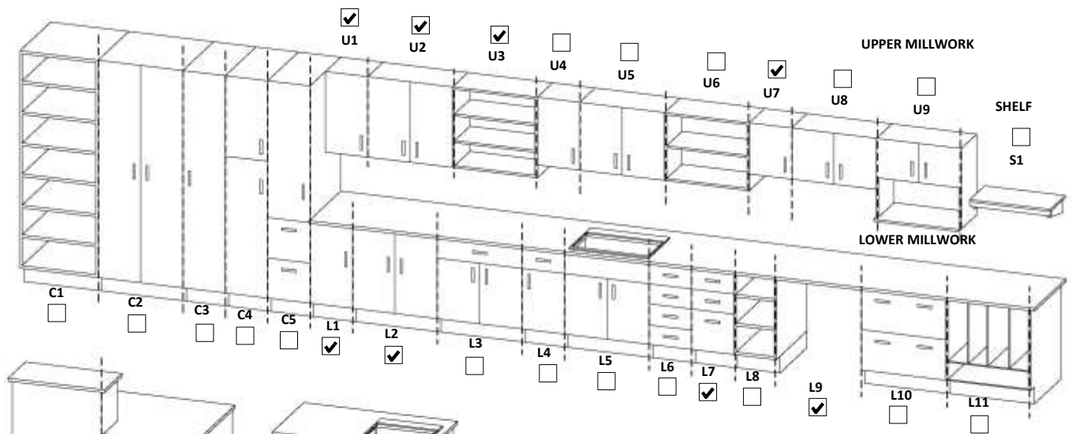
Other features: ☐ Security Grille ☐ Anti-barricade strategy

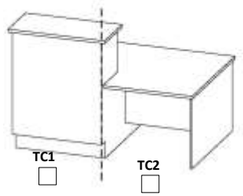
MILLWORK AND MODULAR CASEWORK

Legend:
Category 0 - None
Category 1 - Low (1% - 4%)
Category 2 - Med (5% - 9%)
Category 3 - High (10% or Greater)

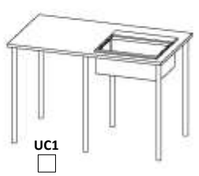
Category	Min. Length (mm)	Height Adjustable	Standing Height	Modular Casework	Lockable
3	2400	☐	☑	☐	☑

FULL-HEIGHT CABINETS





RECEPTION/TRANSACTION COUNTER / CARE TEAM STATION DESK



UTILITY SINK AND COUNTER UNIT

MILLWORK FINISHES

Full-height Cabinet:	
Upper Millwork:	Plastic Laminate
Countertop:	Plastic Laminate
Lower Millwork:	Plastic Laminate
Shelf:	

ARCHITECTURAL REMARKS

MECHANICAL REQUIREMENTS

HVAC CSA Type: III

MECHANICAL REMARKS:

PLUMBING

quantity	mounting type	faucet type	control type

plumbing remarks:

Other Fixtures:

- [ ] Shower
- [ ] Tub
- [ ] Solid Waste Disposal
- [ ] Ice Maker
- [ ] Water Closet
- [ ] Instantaneous Hot Water
- [ ] Wall-mounted Eyewash Station
- [ ] Emergency Shower
- [ ] Wall-mounted Drench Hose
- [ ] Floor Drain

Other:

ROOM CONTROLS

- [ ] Dedicated Temperature Control
- [ ] Local Temperature Adjustment
- [ ] Room Relative Humidity with Local Readout
- [ ] Room Pressure Monitor with Local Readout

Room Control Remarks:

VENTILATION

Relative Pressure: [ ] Equal [ ] Positive [ ] Negative [ ] Other:

- [ ] Exhaust Required
- [ ] Dedicated Exhaust
- [ ] Smudging Capability

Ventilation Remarks:

Instrument Air: (Quantity)

MED GASES (Quantity)

	Other	Headwall 1 NS	Headwall 1 NNS	Headwall 2 NS	Headwall 2 NNS	Headwall 3 NS	Headwall 3 NNS	Overhead Booms BOOM NS	Overhead Booms BOOM RT SIDE
O2									
Med Air									
Med Vac									
N20									
N2									
CO2									
AGSS									

ELECTRICAL REQUIREMENTS

	General Power			Headwall 1		Headwall 2		Headwall 3		O/H Boom NS		O/H Boom RT Side	
Power Type	Recept. Type	Qty.	Remarks	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.	Recept. Type	Qty.
Conditional 1	Q	1											
Conditional 2	D	1	Printer										
Conditional 3	D	2	General use										
Delayed Vital													
Vital 1													
Vital 2													
UPS	D	1	Computer workstation										

- [ ] Patient Care Area Designation as per CSA Z32
- [ ] Remote Power Shut-Off
- [ ] Clock

LIGHTING

- [x] Workstation Task Light
- [ ] Bedside Staff Light
- [ ] Visitor Light
- [ ] Night Light
- [ ] Vanity Light
- [ ] Zone Controller
- [ ] Colour Tunable
- [ ] Reading Light
- [ ] Hand Hygiene Sink Light
- [ ] Examination Light
- [ ] Perinatal Examination Light
- [ ] Shower Light
- [ ] Valance Light

Lighting Remarks: General lighting - indirect

- [x] Lighting Control

Type: Manual on/auto off, dimming

TECHNOLOGY REQUIREMENTS

IMIT SYSTEMS

	Quantity
Telecommunication Outlets 2A	2
Television Outlets 1A/1C/1NC	
PM 2A Red Data Port	
Headwall Outlets 2PM/2A	

- [ ] Intercomm Station
- [x] Video Intercomm Station
- [x] Overhead Paging (Pub Address)
- [ ] Video Conferencing

SECURITY SYSTEMS

- [ ] Clinical Camera
- [x] Security Camera
- [x] Camera Monitor
- [ ] Access Control
- [ ] Panic Duress - Wired
- [ ] Key Override
- [ ] Door Contact
- [ ] Remote Release

Location: Secure side | Placement:
Application: RC | Type:
Request to Exit:

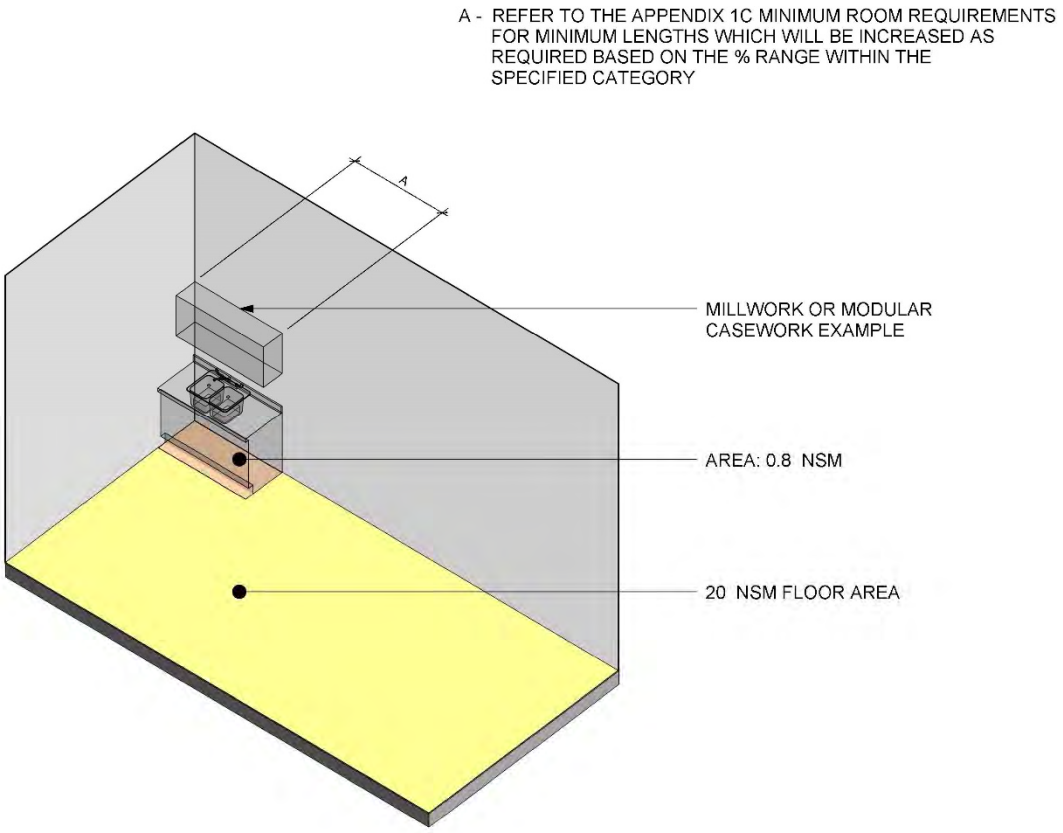
IMIT Remarks:

NURSE CALL

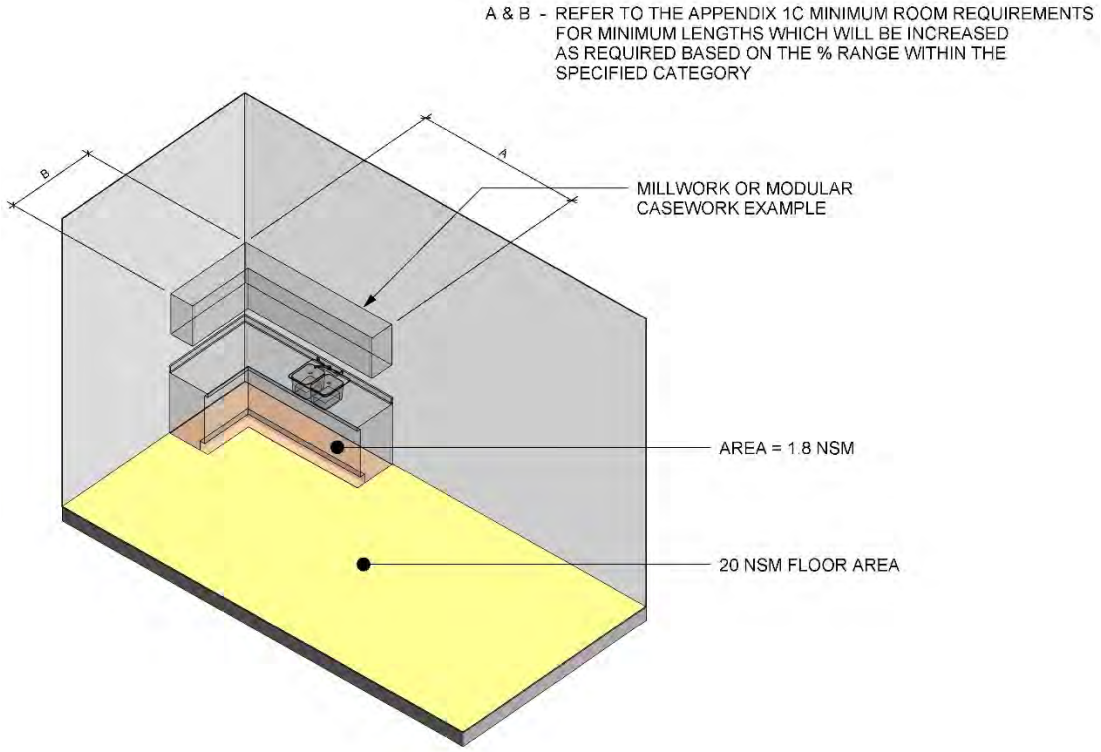
	General Qty.	F1	F2	F3	F4	Headwall 1 Qty.	F1	F2	F3	F4	Headwall 2 Qty	F1	F2	F3	F4	Headwall 3 Qty.	F1	F2	F3	F4
Patient Station																				
Bed Call Station																				
Button Station	1	CB	CW	SA																
2nd Button Station																				
Other: _____																				

	Quantity
Tone Station	
MCS (full feature)	1
EPCA Station	
Other: _____	

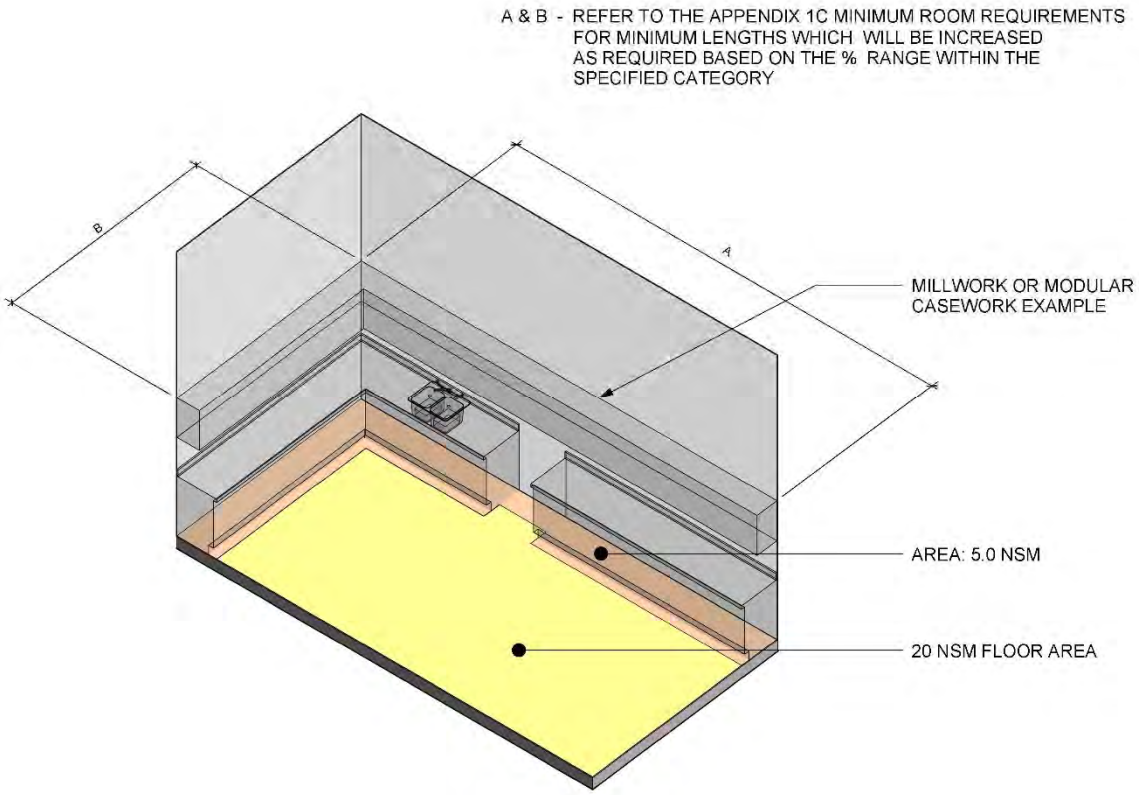
1. This document outlines the methodology for calculating the Category of Millwork and Modular Casework to be provided for a room or space.
2. The total area of the Millwork or Modular Casework is the horizontal area footprint projected onto the floor plate, refer to the shaded area on the floor in the diagrams below.
3. The “Min. Length” listed in Appendix 1C Minimum Room Requirements is the total combined length of dimensions “A” and “B” shown in the diagrams.
4. The “Min. Length” listed will be increased as required to meet the Authority’s requirements for the percentages listed within each Category.
5. Example 1: Category 1 - Low (1% - 4%)



6. Example 2: Category 2 - Med (5% - 9%)



7. Example 3: Category 3 - High (10% or Greater)



Nurse Call System - Rauland Responder 5 (R5) and Responder 5000 (R5K) Device Matrix					
Responder 5 Device	**Functions**	**Responder 5 Description (from MRR)**	**Responder 5000 Device**	**Functions**	**Responder 5000 Description**
2/3B	CB/CW	Button Station	CB/CW	CB/CW	Dual Pushbutton Station (1-gang)
EPCA	EPCA	EPCA Station (with audio)	R5KAUDPC	EPCA	Audio Pull-cord station (1-gang)
EPC	EPC	EPCA Station (without audio), waterproof IP68 rated	PC11WP	EPC	Pull-cord station (1-gang), to be used
PS	PA/SA/CB	Patient Station	PD2EA+FB1	PS	Enhanced Dual Patient Station (1-gang)
	AUX Input	1/4" Input integrated into Patient Station		AUX Input	Right side of Dual Patient Station, utilizing 8-pin to 1/4" adapter
4B	SA/CB/CW	Button Station	PB44A	SA/CB/CW	Quad Pushbutton Station (1-gang)
2/3B	CW	Button Station	CW	CW	Single Pushbutton Station (1-gang)
2/3B	CB	Button Station	CP	CP	Single Pushbutton Station (1-gang)
MCS		MCS (full feature)	MCS		VoIP Master Console (Desktop w/ 1-gang console outlet)
2/3B	SA/CB	Button Station	SA/CB	SA/CB	Dual Pushbutton Station (1-gang)
DS-	-	Button/Tone Station	SSTF	SSTF	Staff Station (1-gang)
DS-	-	Button/Tone Station	DS	Tone	Duty Station (1-gang)
VAP	Text/Marquee/Tone	VoIP Touchscreen Annunciation Station	MRQ	Text/Marquee	2" Marquee Display (Surface Mount)
				Tone	Marquee Tone Station (1-gang)
VAP	Central Code Annunciation (Switchboard)	VoIP Touchscreen Annunciation Station	MCS	Central Code Annunciation (Switchboard)	VoIP Master Console (Desktop w/ 1-gang console outlet) Meet UL1069 requirement for call annunciation
VAP	2-way communication + call annunciation (Anterooms)	VoIP Touchscreen Annunciation Station	AP	2-way communication (Anterooms)	Zenitel IP-CROR SIP-compatible Clean Room Intercom Station (Manufacturer specific backbox)
			DS	Tone (Anterooms)	Duty Station (1-gang) (New function introduced in Addendum #16)
VST	CB/CW/SA/RR	VoIP Touchscreen	PB44A	CB/CW/SA/RR	Quad Button Pushbutton Station (1-gang)
VST in SRMC	CB/CP/SA/RR	VoIP Touchscreen	PB44A in SRMC	CB/CP/SA/RR	Quad Button Pushbutton Station (1-gang)
	Gender (M/F/G)		PB44A in SRMC	Gender (M/F/G)	Quad Button Pushbutton Station (1-gang)
Gender Pushbutton by Maternity CTS	Gender (M/F/G)	Button Station	PB44A by Maternity CTS	Gender (M/F/G)	Quad Button Pushbutton Station (1-gang)

Abbreviations

AP - Annunciation Panel
CB - Code Blue
CP - Code Pink
CW - Code White
2/3B – Two or Three button station
4B – Four button station
DS - Duty Station
PS -Patient Station
EPC – Emergency Pullcord no audio
EPCA - Emergency Pullcord AudioMCS - Master Console Station
M/F/G - Male/Female/Gender Neutral
PA - Patient Assist
PC - Pull-cord SA - Staff Assist
SRMC - Single Room Maternity CareVAP - VoIP Annunciation Panel
VST - VoIP Touchscreen

PART 1. ACOUSTIC AND NOISE CONTROL MEASURES

1.1 Definitions

1.1.1 **"ASTC"** is the Apparent Sound Transmission Class. It is a single number rating used to assess the in-situ sound isolation performance of partitions for comparison against the laboratory tested STC rating. ASTC ratings differ from NIC ratings in that the NIC is a direct difference method, while the ASTC rating is a better test of the partition itself as it removes the influence of the room finishes, therefore allowing for testing prior to full fitout. The measurement methodology is defined in ASTM 336;

1.1.2 **"dBA"** is a weighted overall sound pressure level that is weighted to more closely represent the human response to sound. The A-weighting primarily reduces the influence of low frequencies in reporting of overall sound levels;

1.1.3 **"Leq"** is the equivalent continuous sound level. The Leq is the steady sound level that is equivalent in energy to the fluctuating noise over a specified period of time;

1.1.4 **"NC"** means: Noise Criteria. NC is a single number rating that is sensitive to the relative loudness within a given space at different frequencies;

1.1.5 **"NIC"** stands for Noise Isolation Class. NIC is the single-number rating of the noise reduction that is measured between adjacent spaces. It is related to the STC of the partition separating the adjacent spaces but does not require correction for partition area or the sound absorption capacity of the receiving room. NIC is then simpler to measure in the field than ASTC and is the most direct measure of sound insulation between rooms. The methodology for measuring NIC is defined in ASTM 336;

1.1.6 **"NRC"** means Noise Reduction Coefficient. NRC is a single number rating of the sound absorbing properties of a material – derived by arithmetically averaging the Sabine absorption coefficients at 500 Hz, 1000 Hz, 2000 Hz and 4000 Hz. An NRC of 0.00 indicates zero absorption, while an NRC of 1.00 indicates 100% absorption;

1.1.7 **"RT_{60}"** stands for reverberation time. RT_{60} is the time (in seconds) taken for the sound level in a room to decrease by 60 decibels following the abrupt termination of the source of sound. RT_{60} is the primary measure of 'acoustic liveness' of a space. A short RT_{60} (i.e. less than 0.9 seconds) favours speech intelligibility, while a long RT_{60} (i.e. greater than 1.5 seconds) favours music. For the purposes of this document the RT_{60} is the average of the 500 Hz, 1000 Hz, and 2000 Hz octave bands;

1.1.8 **"STC"** means (Laboratory) Sound Transmission Class. STC is a single number rating that is an indication of a partition's ability to block sound (primarily in the speech frequencies). The higher the STC rating, the higher is the sound transmission loss, for instance, loud speech can be understood fairly well through an STC 30 wall, but should not be intelligible through an STC 60 wall;

1.1.9 **"STC_C"** means the Composite Sound Transmission Class. The STC_C is the area-weighted logarithmic average expected when a partition is composed of multiple components with varying STC values, typically a door, window, and wall section.

1.2 Noise Isolation Requirements

1.2.1 Provide wall and floor assemblies with STC/ratings in accordance with Table 1 below. Field performance of wall and floor assemblies must be within 5 points of the STC rating when measured according to ASTM testing standards.

1.2.2 Table 1 assumes that floor plans are developed to avoid acoustically conflicting occupancies both vertically and horizontally. The assignment of partition types and their detailing must be reviewed by the project Acoustic and Vibration Consultant to ensure that all partitions will provide the necessary sound isolation for the intended use. An Acoustic and Vibration Consultant's report detailing the partition types, their acoustic performance rating, and their assignment in the floor plans must be provided for review and approval by the Authority.

1.2.3 Extend the STC rated assembly full-height from floor to the underside of structure above for all walls and partitions requiring an STC rating in Table 1. If such a wall or partition cannot extend full height, provide an alternate system and provide an Acoustic and Vibration Consultant's report verifying that the required level of speech privacy and other requirements will be achieved with the proposed design.

1.2.4 The sound isolation ratings in Table 1 are considered the laboratory STC ratings except where noted. The field rating (ASTC or NIC) must be within 5 points of the ratings shown in Table 1 and are to be verified by post construction testing.

1.2.4.1 Details such as the ceiling plenum conditions, windows, doors, penetrations through the constructions, electrical box placement, recessed cabinets, etc. will be addressed to maintain the required field performance sound isolation rating.

1.2.4.2 Table 1 will provide Normal speech privacy (except at corridor walls with standard, non-acoustically rated doors), assuming a background sound level of at least NC 30 (35 dBA).

1.2.5 Where a designated space is not fully enclosed (e.g., patient bays with a curtain as one partition, workstations, etc.), the partition requirements can be reduced to STC 45 unless there is potential need for the space to be fully enclosed at a future date.

1.2.6 If adjacency combinations are not covered by Table 1, the Design-Builder will propose STC ratings for any such new adjacency combinations for review and approval by the Authority, based on similar adjacency combinations, room type, functionality, intent, and purpose of the room.

Table 1 – Minimum STC Ratings of Demising Walls and Floor/Ceiling Assemblies

Room Categories[1]	Patient room	Medical/Procedure rooms	Washrooms[2]	Lounge areas	Circulation, reception, public areas	Shared offices and workspaces	Private offices	Meeting rooms	Critical Acoustic	Work utility spaces	Building services
Patient room	45	50	50	50	50	45	50	55	60	55	60
Medical/Procedure rooms		50	50	50	50	50	50	55	60	55	60
Washrooms[2]			45	45	45	50	50	55	60	45	55
Lounge areas				45	45	45	50	55	60	55	60
Circulation, reception, public areas					n/a	45	50	55	60	50	60
Shared offices and workspaces						45	50	55	60	55	60
Private offices							50	55	60	55	60
Meeting rooms								55	60	55	60
Critical Acoustic									60	60	60
Work utility spaces										45	60
Building services											45

Notes: 1. Room Categories are defined in Table 2

2. Assumed where washroom partitions do not include doors (i.e., no direct access between spaces). Where partition includes piping, the partition should be minimum STC 55 with minimum double or staggered stud construction and piping mounted to washroom side of partition only. Where there is a door connecting the spaces, STC 45 is acceptable.

3. Where Work utility spaces or Building services rooms connect to a utility (non-public) corridor, the Design-Builder may request to relax the criteria on a case-by-case basis via RFI, where it is demonstrated that background noise levels do not exceed NC 45 as specified in Table 6, and subject to review and approval by the Authority.

4. Partitions between a Patient room and Circulation that include a door with directly adjacent viewing window can have a reduced combined performance of minimum STCc35. The components must meet the minimum ratings of STC 44 for the wall, STC 30 for the door, and STC 33 for the viewing window.

Table 2 – Definition of Room Categories

Room Categories	Description of Requirements	Rooms Represented[1]
Patient room	Privacy: moderate Sound requirement: quiet Sound generation: raised voice	Consultation/interview Room Counselling Room Exam Room Interview Room – Triage Medication Room Observation/Holding Room On-Call Room Patient Room Rehabilitation Room (see also Gym requirements in Section 1.12 of this Appendix)
Medical/Procedure rooms	Privacy: basic Sound requirement: moderate Sound generation: raised voice	Cast Room Compounding Area Decontamination Room Exam/Treatment

Room Categories	Description of Requirements	Rooms Represented[1]
		IV Prep Room Resuscitation Room
Washrooms	Privacy: basic Sound requirement: moderate Sound generation: raised voice	Lockers Tub/Shower Room Washroom
Lounge areas	Privacy: basic Sound requirement: quiet Sound generation: raised voice	Family Quiet Room Lounge Waiting Area Waiting Room
Circulation, reception, public areas	Privacy: low Sound requirement: moderate Sound generation: raised voice	Care Team Station (Satellite) Order Entry Area Receiving Area Reception Desk Retail
Shared offices and workspaces	Privacy: basic Sound requirement: quiet Sound generation: normal voice	Breakout Area IMIT Support Room Office-Shared Satellite Lab Collection Area Satellite Lab Work Area Workroom Workstation
Private offices	Privacy: moderate Sound requirement: quiet Sound generation: normal voice	Office (Private, Security)
Meeting rooms	Privacy: high Sound requirement: very quiet Sound generation: raised voice	Meeting Room Multipurpose Room - Family
Critical Acoustic	Privacy: high Sound requirement: very quiet Sound generation: amplified speech	Multipurpose Room / EOC
Work utility spaces	Privacy: low Sound requirement: moderate Sound generation: moderate equipment noise	Breastfeeding Equipment Cleaning Station Cart Marshalling/Staging Area Cart Washing Room Dispensing/Storage Area Food Servery Holding Housekeeping Room Sterile Chemo Prep Sterile IV Admixture Storage Room Utility Room Other spaces in this category include: food services, mechanical shafts, electrical closets, storage, etc.
Building services	Privacy: none Sound requirement: none Sound generation: high levels of equipment noise	Mechanical rooms, electrical rooms, elevators, elevator machine rooms, garages, maintenance rooms, FMO shops, mechanical and boiler rooms and similar spaces; also,

Room Categories	Description of Requirements	Rooms Represented[1]
		rooms with noisy medical equipment.

Notes:
1. Spaces below to be defined according to the requirements of the area they serve. Where they connect multiple spaces, the more stringent criteria will be applied.
   - Alcove
   - Anteroom
   - Anteroom – Secure
   - Bay
   - Closet
   - Entrance Vestibule
   - Vestibule
2. Walls between adjacent Secure Rooms, and between Secure Rooms and other occupied spaces (except Secure Room Ante Rooms), shall be double wall assemblies; the Secure Room side of which shall be minimum 150mm (6") cast-in-place concrete, filled concrete block, or similar construction, while the other side shall be a free-standing steel-stud and gypsum board/plywood assembly. The cavity between the two shall be fully insulated. It is assumed there will be no doors or windows in such walls.
3. All spaces housing multimedia equipment or functions regardless of other naming or use requirements.

1.2.7 The following Room Categories (per Table 2) are considered 'Noise Sensitive' spaces:

1.2.7.1 Patient Rooms,

1.2.7.2 Medical/Procedure Rooms,

1.2.7.3 Specialty Medical,

1.2.7.4 Lounge Areas,

1.2.7.5 Shared Offices and Workspaces,

1.2.7.6 Private Offices,

1.2.7.7 Meeting rooms, and

1.2.7.8 Critical Acoustic spaces.

1.2.8 The Design-Builder will provide doors that meet the minimum STC requirements as listed in Table 3 and assign them as noted in Table 5. A door schedule will be provided to the Authority for approval.

1.2.9 Doors that will not be fitted with automatic door bottoms or sound-rated sweep seals (Type D0), the door undercut will not exceed 12mm.

1.2.10 Sliding doors will have full perimeter gaskets to maintain contact with the door and frame with the intent of eliminating sound leakage pathways.

1.2.11 Use solid wood doors for corridor doors.

Table 3 – Door Types

Door Type[1]	Description[2]	Minimum STC Rating of Door Assembly
D0 – Basic	Basic door with no seals, or sliding door	15
D1 – Standard	Solid core wood or insulated (fibrous) metal door with full perimeter seals and automatic door bottom with smooth saddle	30
D2 – Acoustic Rated Door	Lab rated door with full perimeter seals and automatic door bottom with smooth saddle	38
D3 – Acoustic Rated Door Assembly	Lab rated door and assembly (frame, hardware, and seals) with threshold saddle	45
D4 – Specialty Acoustic Door Assembly	Lab rated door and assembly (frame, hardware, and seals) with threshold saddle	55

Notes: 1. Where windows are included in doors, the overall performance of the door type must be met.

2. Where wheeled equipment will be frequently moved through the doorway, the threshold saddle may be omitted, and the threshold finished with a flat, hard surface against which the door bottom can seal.

1.2.12 The Design-Builder will provide interior glazing that meets the minimum requirements of Table 4 and assigned per Table 5. A window/glazing schedule will be provided to the Authority for approval.

Table 4 – Glazing Types (interior partitions only)

Glazing Type	Description	Minimum STC Rating of Window Assembly
G0 – Basic Glazing	Basic glass	15
G1 – Standard Glazing	Sealed glazing unit or monolithic glass sealed into a frame.	30
G2 – Acoustic Rated Glazing	Sealed glazing unit or monolithic glass, likely laminated.	35
G3 – Acoustic Rated Glazing Assembly	Double laminate sealed unit	42
G4 – Specialty Glazing Assembly	Custom construction and detailing with large airspace between thick laminated lites	50

Table 5 – Minimum Door/Window Requirements

Room Category[1]	Door Designation	Side Light Designation[2]	Viewing Window Designation
Patient room	D1	G1	G3
Medical/Procedure rooms	D1	G2	G3
Washrooms	D0	G1	--

Room Category[1]	Door Designation	Side Light Designation[2]	Viewing Window Designation
Lounge areas	D0	G0	G2
Circulation, reception, public areas	D0	G1	G2
Shared offices and workspaces	D0	G1	G2
Private offices	D0	G2	G3
Meeting rooms	D1	G2	G3
Critical Acoustic	D2	G3	G4
Work utility spaces	D0	G1	G2
Building services	D2[3]	Not recommended	Not recommended

Notes: 1. Room Categories are defined in Table 2

2. Designations are for door side lites only to a maximum of door height by 300 mm wide.
3. Building services doors should be located in utility corridors or other non-noise sensitive areas separated and away from occupied areas. If building services doors open to noise sensitive areas, then an appropriate door (and or vestibule) must be provided to comply with background noise requirements in Table 6. Supporting documentation must be provided that demonstrates compliance. Compliance testing will be required.
4. Where Work utility spaces or Building services rooms open to a utility (non-public) corridor, the Design-Builder may request to relax the criteria on a case-by case basis via RFI, where it is demonstrated that background noise levels do not exceed NC 45 as specified in Table 6, and subject to review and approval by the Authority.
5. Partitions between a Patient room and Circulation that include a door with directly adjacent viewing window can have a reduced combined performance of minimum STCc35. The components must meet the minimum ratings of STC 44 for the wall, STC 30 for the door, and STC 33 for the viewing window.

1.2.13 Operable partitions will meet the sound isolation requirements for the intended use of the individual spaces when divided (e.g., when divided into separate conference rooms, the operable partition must adhere to the requirements for each smaller room). Further requirements are listed below:

1.2.13.1 Operable partitions must achieve the in-situ performance required by the room type and adjacency;

1.2.13.2 Top and bottom seals must be operable;

1.2.13.3 End stops must be rigid;

1.2.13.4 The bulkhead must be insulated and designed to support the partition to meet the sound isolation requirements;

1.2.13.5 There must be no pass-through doors in operable partitions;

1.2.13.6 The operable wall must not close on carpet, a smooth and level surface must be provided for a proper seal; and

1.2.13.7 Submittals for operable partitions must be provided for review and approval by the Authority.

1.2.14 Demountable partitions will meet the same requirements as other partition types in both design and testing minimum performance requirements:

1.2.14.1 Demountable partition designs will include supporting structure to enable them to meet the sound isolation requirements as listed in Table 1. Supporting structure may include headers, plenum barriers, GWB ceilings, bottom seals, and any other component required to meet the design STC target;

1.2.14.2 Demountable partitions will be tested for ASTC or NIC field performance (as appropriate) and must meet the same requirements as outlined for any other wall type; and

1.2.14.3 Demountable partition use should be limited to where a designated space is not expected to have acoustic privacy, such as one that is not fully enclosed (e.g., patient bays with a curtain as one partition, workstations, etc.).

1.3 Background Noise – Interior Spaces

1.3.1 The Design-Builder will:

1.3.1.1 in undertaking the design of the Facility, evaluate the expected noise from all mechanical and other systems in the Facility, including any in-room equipment such as refrigerators, ice machines, and laboratory equipment; and

1.3.1.2 design and construct the Facility so that noise from the mechanical and other systems does not exceed the noise levels specified in Table 6 below, within the room or space identified.

Table 6 – Noise Criteria – Maximum Noise Levels Within Various Spaces

Room Categories (as defined in Table 2) (unless noted otherwise)	NC	dBA/dBC
Patient rooms (single patient) On-call rooms	40	45/60
Patient rooms (multiple occupant patient care areas), including: assessment/exam/treatment, consult/interview, etc.	45	50/65
NICU infant rooms and adult sleep areas	30	35/60
NICU spaces that open to infant rooms and adults sleep areas	35	40/60
NICU all other areas not noted above	40	45/65
Medical/Procedure rooms, e.g.: operating rooms	50	55/75
Washrooms	45	50/70
Lounge areas	45	50/70
Care team stations (all)	45	50/70
Circulation, reception and public areas	45	50/70
Shared offices and workspaces	45	50/70
Private offices	40	45/65
Meeting rooms	30	35/60

Room Categories (as defined in Table 2) (unless noted otherwise)	NC	dBA/dBC
Critical Acoustic	25	30/55
Work utility spaces	50	55/70

1.4 Noise Control – Exterior

1.4.1 Exterior noise levels for normal operations, transient events, and emergency power generation systems operation must be assessed by an Acoustic and Vibration Consultant using industry standard sound source modelling and sound propagation techniques/software. The Acoustic and Vibration Consultant will provide a report for review and approval by the Authority that lists all modelled noise source including sound power levels and assumptions and demonstrates compliance with this section by providing details for the required acoustic controls and by indicating expected noise levels at all critical locations.

1.4.2 Normal Operation (Without Emergency Power Generation)

1.4.2.1 Noise from normal operations that include all mechanical and electrical systems running simultaneously (including electrical substations/transformers) but excluding the emergency power generation system will not exceed:

1.4.2.1(1) the specified room interior noise levels (15 minute Leq) specified in Table 6;

1.4.2.1(2) 55 dBA in exterior spaces associated with the Facility;

1.4.2.1(3) 60 dBA at all building façades; and

1.4.2.1(4) 45 dBA at the property line of the Facility.

1.4.2.2 Infrequent, short duration transient events such as emergency vehicle noise will not exceed 50 dBA 15 min Leq and 65 dBA Lmax in Noise Sensitive Spaces.

1.4.3 Operation of Emergency Power Generation

1.4.3.1 Noise levels due to the operation of the emergency power generation system will not exceed:

1.4.3.1(1) the specified room interior noise levels (1 minute Leq) specified in Table 6 by more than 5 points;

1.4.3.1(2) 60 dBA in exterior spaces associated with the Facility;

1.4.3.1(3) 60 dBA at all building façades; and

1.4.3.1(4) 55 dBA at the property line of the Facility.

1.4.3.2 The sound level limits for the emergency power generation system will be accomplished by using high-grade combustion exhaust mufflers, cooling air intake

and exhaust silencers, sound absorption in the generator room, high transmission loss partitions to enclosure the generator, vibration isolation systems, and other means as necessary.

1.5 Sound Masking

1.5.1 Provide a digital centralized, dual networked sound masking system in all spaces requiring Confidential speech privacy and which is not reasonably obtainable by sound proofing and adequate background noise from the building services systems. The system is subject to Authority approval.

1.5.2 The Multipurpose Room / EOC space will include a sound masking system. Other spaces are optional and at the discretion of the Authority based on guidance from the project Acoustic and Vibration Consultant.

1.5.3 The sound masking system will include the following:

1.5.3.1 strategically located speaker assemblies installed above or flush to a conventional suspended acoustic tile ceiling; and

1.5.3.2 speaker assemblies generating unique, diffuse and unobtrusive sound with spatial and temporal uniformity, and having a spectrum shape designed to mask speech and low-level unwanted noise.

1.5.4 Sound masking system details and locations will be reviewed by the Authority.

1.6 Pneumatic Tube (PT) System

1.6.1 Consider all aspects of potential noise from the pneumatic tube system. As a minimum:

1.6.1.1 review and obtain the quietest version of the PT system available;

1.6.1.2 PT system must be located, installed, and enclosed as required to not exceed the noise levels specified in Table 2;

1.6.1.3 intermittent noise as well as impact noise at the send/receive stations is allowable within the room housing the send/receive stations only. Controls must be provided that will ensure that noise in adjacent spaces does not exceed the levels specified in Table 2;

1.6.1.4 avoid placing send/receive stations in Noise Sensitive areas;

1.6.1.5 avoid placing diverter units and PT horizontal and vertical runs in or above acoustically sensitive areas;

1.6.1.6 install PT runs over acoustic tile or gypsum wallboard ceilings in occupied areas that are not considered acoustically sensitive areas; and

1.6.1.7 consider isolated, mass-loaded acoustic wrap/lagging or internally insulated, 2-layer GWB enclosures for diverter units and horizontal and vertical tubes, where required for noise control.

1.7 Acoustical Finishes

1.7.1 Acoustical room finishes, defined as room finishes with an NRC of greater than 0.70, will be used in all occupied spaces except where prohibited by code requirements.

1.7.2 Acoustic tile ceilings with a minimum NRC rating of 0.70 and minimum CAC rating of 35 will be used throughout the facility, except where equivalent alternate treatment is provided, in NICU areas (see section 9), or where prohibited by cleanroom requirements.

1.7.3 The extent and placement of acoustical finishes will be assessed by the project Acoustic and Vibration Consultant and summarized in a report for approval by the Authority. The area of acoustical finishes will not be less than the floor plan area, unless high NRC finishes are used.

1.7.4 Sound absorbing materials will be incorporated into the design of rooms so that the Reverberation Time (RT_{60}) of the rooms do not exceed the values listed in Table 7.

1.7.5 Sound absorbing and reflecting materials will be placed to enhance speech communication in all spaces where teaching or group discussion will occur. Detailed design and assessment will be required for the Multipurpose Room/EOC.

1.7.6 Where achieving the RT_{60} in Table 7 appears to be challenging because of limited scope for use of conventional sound absorbing materials due to safety/security concerns, alternative approaches will be presented to the Authority for approval.

1.7.7 Dividable spaces (those with operable partitions) must meet the requirements of this section for all configurations of the dividable space.

Table 7 – Maximum Room Reverberation Times for Unoccupied Rooms

Room Categories (as defined in Table 2)	**Reverberation Time (Seconds) (in 500, 1000, and 2000 Hz Octave Bands)**
Patient rooms	0.7
Patient rooms (multiple occupant clinical spaces)	0.7
Medical/Procedure rooms	0.8
Lounge areas	0.8
Circulation, Reception and public Areas	1.0
Shared offices and workspaces	0.8
Private Offices	0.8
Meeting rooms	0.6
Critical Acoustic	0.5

1.7.8 Acoustic treatments will meet the following requirements:

1.7.8.1 Friable materials are not permitted

1.7.8.2 Acoustic panels that are framed are not permitted

1.7.8.3 Wall mounted acoustic materials must be mounted on walls with concealed stainless steel tamper resistant fasteners such that they will not be compromised or removed without use of special tools.

1.8 Operating Rooms with Imaging Equipment

1.8.1 Special care will be given in the design of any rooms containing Medical Imaging equipment, such as the CT Scanners. Attention will be paid to:

1.8.1.1 vibration isolation of the imaging equipment; and

1.8.1.2 room finishes.

1.8.2 For rooms containing Medical Imaging equipment, the extent of noise and vibration control detailing will be determined by the Design-Builder's Acoustical Consultant in addition to meeting the requirements of Schedule 1.

1.9 NICU / Nursery Room

1.9.1 Ceilings shall have a minimum NRC of 0.90 over 80% of the ceiling area and a minimum CAC rating of 29.

1.9.2 Sound levels from continuous background sound (limits in Table 6) and operational sound in NICU / Nursery Room will not exceed hourly L_{eq} of 45 dBA and L_{10} of 50 dBA, when using a slow response. Transient sounds or Lmax will not exceed 65 dBA, when measured with a slow response.

1.9.3 Operational noise from permanent equipment such as refrigerators, freezers, ice machines, storage/supply units and other large non-medical equipment must be included in the background noise limits presented in Table 6.

1.9.4 Personal address speakers located in NICU / Nursery Room will have adjustable volume controls for the speakers in each room and for each microphone that sends signal through the system.

1.9.5 Doors in the NICU / Nursery Room will have acoustic seals.

1.10 Mental Health / Secure Room Space Requirements

1.10.1 Secure rooms will be designed to meet the following requirements:

1.10.1.1 Sound isolation for all walls surrounding the Secure Rooms, except for the wall to their associated Anteroom, will be provided via walls rated STC 75. These walls must be of double wall assemblies with the interior wall being minimum 150 mm (6") cast-in-place concrete, filled concrete block or similar construction. The other side shall be a free-standing steel stud and gypsum board/plywood assembly and the cavity between the two walls will be fully insulated with a fibrous insulation.

1.10.1.2 Separation between the Secure Rooms and their associated Anteroom will be provided via a wall and door system that achieves a minimum composite rating of

STC_C 35. The door will be a minimum of Type D1 from Table 3. Wall will be a minimum of STC 50.

1.10.1.3 Separation between the Secure Room Anteroom and all surrounding spaces on the same floor, except for the Secure Room, will be provided via walls that are rated a minimum of STC 50 and the door will be a minimum of Type D2 from Table 3. The composite rating for the door and wall to the corridor will be a minimum of STC_C 40.

1.11 Audiometry Booths

1.11.1 Audiology suites and spaces housing sound booths will meet the following requirements:

1.11.1.1 STC requirements for meeting rooms per Table 1,

1.11.1.2 NC 30, and

1.11.1.3 RT60 0.6 seconds.

1.11.2 Booth construction will provide sufficient noise reduction such that ambient noise levels meet ANSI S3.1-1999 (R2018) Maximum Permissible Ambient Noise Levels for ears not covered testing, when measured in accordance with the procedures outlined in ANSI S3.1. Booth noise reduction performance, measured in accordance with ASTM E596, will not be less than:

Octave Band Centre Frequency (Hz)	125	250	500	1000	2000	4000	8000
Noise Reduction (dB)	19	28	38	46	52	54	54

1.11.3 Booths will include integrated ventilation equipment that meet ANSI S3.1 Maximum Permissible Ambient Noise Levels for ears not covered testing.

1.11.4 Booth interior wall and ceiling finishes will be sound absorptive (NRC 0.7 or higher).

1.11.5 Booths will be vibration isolated from the building floor to reduce structure-borne sound transmission into the booth. Vibration isolators must have a natural frequency of 6.5 Hz or less, and vibration isolation must comply with all applicable seismic restraint requirements.

1.11.6 Booth submittals will include octave band noise reduction measured in accordance with ASTM E596.

1.12 Gym Floor Impact Noise Control

1.12.1 Gyms, fitness, and physical rehabilitation spaces will not be located directly above or beside the following Room Categories (see Table 2):

1.12.1.1 Patient Rooms,

1.12.1.2 Lounge Areas,

1.12.1.3 Private Offices,

1.12.1.4 Meeting rooms,

1.12.1.5 Critical Acoustic rooms, and

1.12.1.6 any other spaces where background noise levels are NC 35 or less or sleep is expected.

1.12.2 When gyms, fitness, and physical rehabilitation spaces are directly above or adjacent to the following space types:

1.12.2.1 Medical/Procedure Rooms

1.12.2.2 Shared Office and Workspaces

1.12.3 The gyms, fitness, and physical rehabilitation spaces will require the following:

1.12.3.1 The IIC rating of the floor finish and floor structure only (i.e., excluding ceilings and underside finishes) will meet a minimum rating of IIC 65.

1.12.3.2 Spaces directly below will have a minimum of an acoustic tile ceiling with a minimum CAC rating of 35.

1.12.3.3 Impact noise levels (Lmax) in adjacent spaces must not exceed 35 dBA or 55 dBC.

1.13 Floor Vibration Limits

1.13.1 Refer to Schedule 1 Section 5.9.6.

1.14 Acoustic Testing and Verification

1.14.1 Refer to Schedule 1 Section 5.5.1.1 Acoustic Performance Testing for testing and verification requirements for acoustical performance.

Schedule 1 – Statement of Requirements

Appendix 1E – Authority Communications Infrastructure Standards & Specifications

Interior Health

COMMUNICATIONS INFRASTRUCTURE STANDARDS & SPECIFICATIONS 3.0

Version Control

The contents of this document cannot be modified without prior written consent from the original Contributors

2021 –06-15: Version 4.0 Updates

- Name change to Communications Infrastructure Standards & Specifications.
- Updated ANSI/TIA Standards.
-

2017 –09-01: Version 3.0 Updates

- Name change to Communications Infrastructure Standards & Specifications.
- Changed all references from TE Connectivity to AMP Netconnect
- Updated all sections to reflect changes in technology since last revision.
- Rack layout added for stacked design.
- More details included for Firestopping and Meeting/Conference Rooms, including DIRTT.
- Added information to Appendices.

2015–03-01 Version 2.1 Updates

- Section 3.2: Hoarding removed as it is included in the Infection Control and Prevention Manual.
- Section 4.2: Modified as ND&I only required on completely new systems.
- Section 4.7.4: Specialized TV Telecommunication Outlet information added.
- Section 4.9: Modified to included pathway for TV control.

2014 -10-10: Version 2.0 Updates

- All references hyperlinked in document for ease of electronic navigation
- Section 1.2: Focuses on new builds with the use of CAT6A copper and OM4 fiber.
- Section 2.1: Reworded for better clarification
- Section 4.2: Reworded for better clarification
- Section 4.6.1: Max backbone distance chart and star topology diagram removed as not needed
- Section 4.7: Reorganized for better flow and readability
- Section 4.8: Pathway Requirements added
- Section 4.9 -4.11: Reworded for better clarification
- Section 4.12: Part numbers updated to reflect CAT6A technology
- Section 8: Height of outlets raised to 450 mm AFF from 350 mm AFF, and in-slab floor conduit added.
- Appendix 4: Product Specification Sheets added. (updated Jan 23, 2015)

2013-10-07: Version 1.0 Updates

- Distributed to replace the IHA IMIT Cabling Specification with updates of standards

Contributors

The following subject matter experts formed the committee for content and change management of this document. Any revisions made to the latest release as indicated above must be approved by the Contributors:

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1 TABLE OF CONTENTS

1 INTRODUCTION

1.1 Purpose

This document and any associated appendices are to be used by all staff, consultants, and contractors working with any of the Authorities IMIT and communication infrastructure projects. This includes renovations, new communication rooms in existing buildings as well as completely new buildings. Although this document will serve as a baseline specification for all future Authority facilities, the Authority reserves the right to alter or customize the specification as required. It is the intent of the specification and drawings to call for work to be finished, tested, certified, commissioned and ready for operation.

It is the responsibility of the Prime Consultant, Design Engineer, Cabling Contractor, or other professional services involved to read and interpret this document in its entirety along with the Project Agreement, (PA), Request for Quote (RFQ), Request for Proposal (RFP), and any accompanying drawings and to identify any errors or omissions prior to tendering or submitting a quotation for the delivery of a complete Communications Infrastructure system. Any apparatus, appliances, materials, or work not shown on the drawings, but mentioned in the specifications, or vice versa, or any incidental accessories necessary to make the work complete and perfect in all respects and ready for operation, even if not particularly specified, shall be furnished, delivered and installed. There will be no allowances for extras based on misinterpretations.

This document is provided to ensure the overall communications infrastructure that is designed and delivered is capable of meeting current and future operational and clinical needs of the Authority. The design and delivery emphasizes the importance of utilizing industry best practices, considers the impacts of multiple technologies, networks and cabling systems, addresses MACs, anticipates and accommodates the future needs of complex healthcare environments and considers the type or area and zone density needs as per ANSI/TIA-1179.

Any deviations or changes from this document are not permissible unless approved by the Authority network and telecom change management process and explicit ***consent is given in writing by the Authority's IMIT Facilities*** *Project Coordinator (IMITFPC)*

The Authority will endeavor to provide the most current version of this document to all parties upon request. Verification of the latest release can be obtained by contacting the Authority's IMITFPC via email at IMITFPC@interiorhealth.ca

1.2 Scope

This document serves as the standard of quality and performance to the overall Communications Infrastructure design and installation with a focus on data and telecommunications cabling systems at any facility owned, leased or operated by the Authority, unless otherwise noted. This document focuses on new projects using CAT 6A for horizontal cabling and OM4 fiber for backbone capable of supporting Ethernet speeds of 10Gbit/s and future higher speed data rates as defined by ANSI/TIA/CSA/IEEE/IEC/ISO and other major standards organizations regardless of delivery method (P3, Design-Build, Design-Bid-Build, Construction Management).

This document identifies, describes and provides requirements for designing, procuring, furnishing and installing a communications infrastructure to support a high availability fault tolerant wired and wireless infrastructure in new constructions as well as renovations, upgrades and maintenance/renewal work

For any existing communications rooms or closets that use CAT5E or CAT6, all references to CAT6A can be replaced with CAT6. *CAT5E cabling is now obsolete and may not be used on any further installations, thus any requests to use CAT5E for any low voltage cabling will be denied.* Any requests for clarification are to be directed to the Authority's IMIT Facilities Project Coordinator (IMITFPC) via email to IMITFPC@interiorhealth.ca

1.3 Work Included

Work shall be in accordance with the drawings and specifications and their intent. Work shall include:

- Furnishing of all materials, labour, professional services, apparatus, tools, equipment and services required for procurement, installation, testing and putting into proper operation the specified communication system;
- Installation, testing and putting into regular operation the complete communication system as shown on the drawings and as described and specified in this and accompanying sections.
- Submission of shop drawings, riser diagrams, equipment rack drawings, test results and As-built drawings at the completion of work with any applicable maintenance manuals.

The Contractor shall comply with applicable provincial and local laws, rules, and regulations during the work period.

1.4 Referenced Codes & Standards

- All materials, workmanship and/or installation practices and activity shall meet or exceed the following reference standards:
- Comply with the latest British Columbia Building Code, and Canadian Electrical Code, including all provincial and other amendments, any local by-laws or rules and regulations that regulate the installation of Communications facilities.
- Provide underground systems in accordance with CSA C22.1-15 edition, except where specified otherwise.
- Equipment and materials shall bear the approval of the Canadian Standards Association and where applicable, the Underwriters Laboratories of Canada or alternately shall bear local approval from the Electrical Inspection Department having jurisdiction.
- If there is a conflict between the Drawings and Specifications and the above noted codes, by-laws, rule and orders, the codes, by-laws, rules and orders shall govern.
- Install and test telecommunications cabling networks as per the latest manufacturer's requirements and in accordance with the following standards:
- ANSI/TIA Standards:
    - ANSI/TIA -568.0-D-2015 Generic Telecommunications Cabling for Customer Premises standard.
    - ANSI/TIA -568.1-D-2015 Commercial Building Telecommunications Cabling Infrastructure Standard
    - ANSI/TIA-568.2-D-2018 Commercial Building Telecommunications Cabling Standard – Balanced Twisted Pair Cabling Components.
    - ANSI/TIA-568.3-D-2016 Optical Fiber Cabling Components Standard.
    - ANSI/TIA-569-E-2019 Commercial Building Standard for Telecommunications Pathways and Spaces.
    - ANSI/TIA-606-C-2017 Administration Standard for Commercial Telecommunications Infrastructure.
    - ANSI/TIA -607-D-2019 Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications.
    - ANSI/TIA-570-D-2018 Residential Telecommunications Cabling Standard.
    - ANSI/TIA-758-B-2012 Customer Owned Outside Plant Telecommunications Cabling Standard.
    - ANSI/TIA-1179-A-2017 Health Care Telecommunications Cabling Standard.
    - ANSI/TIA-942-B-2017 Telecommunications Infrastructure Standard for Data Centers.
    - ANSI/TIA-TSB-162-A-2013 Telecommunications Cabling Guidelines for wireless Access Points.
- BICSI latest technical manuals:
    - ANSI/BICSI 002-2019, Data Centers Design and Implementation Best Practices.
    - ANSI/BICSI 003-2014 Building Information Modeling (BIM) Practices for Information Technology Systems.
    - ANSI/BICSI 004-2018, Information Technology Systems Design and Implementation Best Practices for Healthcare Institutions and Facilities.
    - ANSI/BICSI 007-2020, Information Communication Technology Design and Implementation Practices for Intelligent Building and Premises.

    - ANSI/BICSI-006-2020 Distributed Antenna System (DAS) Design and Implementation Best Practices.
    - ANSI//BICSI N1-2019, Installation Practices for Telecommunications and ICT Cabling and Related Cabling Infrastructure.
    - ANSI/BICSI N3-20, Planning and Installation Methods for the Bonding and Grounding of Telecommunications and ICT System and Infrastructure.
    - ANSI/BICSI 008-2018, Wireless Local Area Network (WLAN) Systems Design.
    - Information Technology Systems Installation Methods Manual (ITSIMM) 7th Edition or latest.
    - ICT (Information & Communications Technology) Terminology Handbook V3.0
    - Network Systems and Commissioning (NSC) reference
    - Outside Plant Design Reference Manual 6th Edition or latest.
    - Telecommunications Distribution Methods Manual 14th Edition or latest
    - Electronic Safety and Security Design Reference Manual
  - CSA-Z8001-13 Commissioning of Communications Systems in Health Care Facilities.
  - The Canadian Electrical Code Part 1, C22.1-15 edition.
  - BC Amendments to the CEC and associated bulletins.
  - IEEE 802.3 series of Ethernet Standards.
  - IEEE 802.11 series of Wireless Standards.
  - ISO 8802-3 series of Standards.
- Conform to current safety and security standards, codes, and practices in effect at the Authority including, but not limited to:
    - Workers Compensation Act – Part 3 – Occupational Health & Safety.
    - BC Electrical Safety Act.
    - The British Columbia Building Code with Amendments.

Any other reference material must be approved by the IMITFPC before work commences.

For installations in an acute hospital setting, if there is conflict between any of the ANSI/TIA or BISCI referenced standards, ANSI/TIA-1179 takes precedence.

If the Contractor notes items in the drawings or the specifications that are conflicting, the Contractor must bring the conflict to the attention of the Authority's IMITFPC for resolution. Where the requirements of other sections of the specifications are more stringent than applicable codes, rules, regulations, and ordinances, the specifications shall apply.

The Prime Consultant, Design Engineer, Cabling Contractor, or other professional services is responsible to determine the most current release of the standards documents and adhere to such release. Any changes or alteration shall be reissued as a new version and supersede the previous. The most current version of this document can be obtained online at http://www.interiorhealth.ca/AboutUs/BusinessCentre/Construction/Pages/Policies.aspx

2 DEMOLITION REQUIREMENTS

2.1 Demolition

Proper coordination for the shut-off of utility services and control measures for dust and noise must occur prior to commencement of any demolition work. Considerations must be given to on-going services and activities in adjacent areas. In confined areas of selective demolition, install and maintain dust and noise control barriers to keep dirt, dust, and noise from being transmitted to adjacent areas. Remove these protection measures after demolition operations are completed.

The Contractor must fill and patch all wall, floor, and ceiling openings resulting from this demolition work with materials and finishes identical to adjacent materials and finished, unless otherwise noted.

The Contractor must relocate all existing piping, circuitry (conduit and wiring), ductwork, and other materials as identified by the Authority, which impedes the installation of new materials and equipment, unless otherwise noted.

The Contractor must completely remove any abandoned, inactive and unused components of the existing low voltage cabling system from the work area upon the successful testing and commissioning of the new system. Remove all redundant and obsolete cables from the source completely, both horizontally and vertically, end to end and dispose as per 2.2 Disposal

All demolition which involves the removal or disturbance of asbestos containing fire proofing, finish material, insulation or other asbestos containing material must be approved by the Authority.

2.2 Disposal

The Contractor shall remove all generated trash, recyclables and debris at their expense. The Contractor may not place this trash and debris in any Authority facility dumpsters. The Authority shall retain the right to direct the disposal of salvageable equipment and materials. No equipment is given to the Contractor unless specifically listed in the job specifications prior to contract award. The Contractor shall deliver any surplus equipment to a site designated by the Authority and return a receipt for the equipment to the Authority.

3 DUST CONTAINMENT AND ACCESS

3.1 General

Construction projects pose health risks for patients, staff, visitors, and construction personnel that may lead to healthcare associated infections. These risks most commonly develop when dust particles contaminated with bacteria and/or fungi are dispersed into adjacent patient care areas.

Assessment of the risks to occupants of any adjacent health care facility is necessary before construction begins. The Planning Department or Plant Services will keep the Infection Control Service informed regarding the location of all areas of construction as soon as possible, during the planning stages.

CSA Z317-13-07 shall be used to determine population risk group, construction activity type, and preventative measures. The preventative measures will be outlined in the construction documentation prior to project commencement.

It is the responsibility of the Contractor to:

- Ensure critical and strict measures are taken to control dust throughout the construction process;
- Mitigate dust containment by not using the communication rooms as storage areas for cardboard, ladders and other materials that can accumulate dust particles;
- Protect existing systems in communication rooms from contaminants and pollutants.
- Ensure that dust containment measures shall not cause the room and equipment to overheat;
- Give the Infection Control Practitioner a minimum of 48 hours' notice for permit requests before the scope of work can be assessed and a permit issued;
- Keep the communication room door closed at all times for cooling, infection control, dust containment and security reasons;
- Not access communications rooms with active Authority network equipment without prior approval of the Authority;
- Hoard areas that are under construction as per the construction requirements and 3.2 Hoarding;
- Clean work areas as required during construction and once work is complete as per 3.3 Cleaning;

A copy of the construction guidelines from the Infection Prevention and Control Manual will be provided upon request. Final acceptance will be provided by the local Infection Control Practitioner.

3.2 Hoarding

There are times when new buildings will be built adjacent to existing facilities. In these instances hoarding may be required. Prior to removal of hoarding, the construction zone must be thoroughly cleaned, including all horizontal surfaces. Remove all hoarding and dust containment control that was erected, installed for the project, or installed for that phase prior to moving on to the next phase and repair any damage. Removal of hoarding must occur in a fashion that will minimize the spread of dust and bacteria. During the removal, the hoarding and area surrounding should be spray misted with water to minimize dust.

3.3 Cleaning

The Contractor is required to clean:

- Communications equipment and devices installed as part of the contract;
- Lighting reflectors, lenses, and other lighting surfaces that have been exposed to construction dust and dirt;
- Switch, receptacle, outlets, wall/faceplates and exposed surfaces

The contractor is required to thoroughly vacuum and clean interiors and panels, cabinets, racks, bus/mechanical ducts, cable trays, conduits and other communication equipment of construction debris prior to energization using a HEPA vacuum cleaner and clean lint free cloths.

4 TELECOMMUNICATIONS SYSTEM REQUIREMENTS

4.1 Purpose

This section focuses on the supply, installation, testing, validation, and certification requirements of communications cabling systems in any of the Authority's facilities. Any conflicts in this section must be brought to the attention of the Authority's Networks and Telecommunications Department (NTS) for resolution by email to: IMITFPC@interiorhealth.ca. For ad-hoc cabling work including MACs (Moves, Adds, and Changes) not related to a construction project the Cabling Contractor should contact NTS directly via the Network Operations Centre (NOC) at NOC@interiorhealth.ca or by calling 1-877-664-6614.

4.2 Basic Communications Requirements

Cabling Contractors that will be installing all low voltage CAT6/6A systems in an Authority facility must be registered as an AMP NetConnect partner and must use employees holding current CommScope AMP NetConnect Level 1, 2 and 3 certifications.

The telecommunication outlets (TO) to consist of three horizontal cables as per 4.7.1. Wire Product Specifications Specialized telecommunication outlets or incidental voice lines requiring alternative design will be specified in accompanying documentation. All horizontal cables will be connected to a universal voice/data patch panel system with no differentiation between Voice and Data.

All TO will use four port face plates unless otherwise specified.

The cabling system must meet or exceed CAT 6A performance defined in ANSI/TIA 568-C and provide a 25 year system performance certification from a COMMSCOPE AMP NETCONNECT single channel source manufacturer. Multi or mixed vendor solutions will NOT be considered.

4.3 Administration Requirements

The specifications shall be considered as an integral part of the drawings which accompany them, neither of which shall be used alone, and all services, materials or apparatus, omitted from one but which is mentioned, shown or reasonably implied in the other shall be considered as properly and sufficiently specified and shall therefore be supplied and installed.

The location of various items indicated on the drawings is approximate except where specifically mentioned. It shall be understood drawings are generally diagrammatic and are only intended to indicate the scope and general arrangement of work and that the locations shown are subject to relocation within two meters at no additional costs to the Authority to accommodate varying construction conditions. Onsite measurements must be taken to ensure components will fit within specified geographic building dimensions while meeting all codes and regulations.

All necessary permits, licenses, inspections and related fees to the above are the responsibility of the Contractor.

4.4 Contractor's Responsibility

To adhere to the standards and specifications contained within. Their work shall reflect the following:

- Before finalizing the contract price a site visit (if possible) is mandatory to report any condition or logistical problem that may prevent the Contractors from performing the work as specified.
- Responsible for the work until the project has achieved substantial completion and to replace anything that may have been damaged, lost or stolen as a result of the work without additional costs to the Authority.
- Arrange work schedules in co-operation with the other subcontractors.
- Protect finished and unfinished work of the building from damage resulting from the carrying out of the work.
- Protect floors and walls, where necessary, and repair all damages to all surfaces resulting from the execution of this work, without additional charge.
- On completion of work and before acceptance ensure all exposed surfaces of communications equipment are cleaned. See 3 Dust Containment and Access
- Promptly advise the Authority of any work functions that appear in conflict with local authorities and work not included in work contract.
- Make no changes to the design intent without written authorization. The Contractor shall give the Authority a minimum of 48 hours' notice in advance of any field reviews required.
- Ensure that equipment does not transmit noise and/or vibration to other parts of the building as a result of poor installation practices.
- The Contractor shall keep a qualified foreman or journeyman on the job site during the construction, testing and acceptance period. The above will not be changed from the project unless satisfactory reasons are given in writing to the Authority.
- Contractors are responsible that all communications rooms are secure while performing the work. The above must also be left in a secure state after use and the Contractor will be responsible for all damages and costs as result of improper use of the facility.
- During the course of the project the site must be kept clean and tidy by the Contractor. Additionally the building and site must be cleaned to a condition acceptable to the Authority before final completion.
- Use qualified service personnel to conduct all maintenance/service work and at any time show credentials.
- Obtain and pay all required permit fees in accordance to all local regulatory bodies.
- Attendance and participation at project meetings.
- Regular site inspections with the IMITFPC or designate to ensure the requirements of the project and this document are being followed and met.
- Ensure all requirements of project documentation and contractual obligations such as drawings, addenda, site instructions, change orders and change directives issues are completed in compliance to their instructions are included as part of the contract final deliverables.
- All the above shall be considered minimum requirements. The requirements, as designed, shall not be reduced as a result of the above and no extra charges will be accepted.

4.5 Communication Equipment Rooms

4.5.1 Communication Rooms

All communication rooms require a CAT 6A distribution system. All data and voice runs are to terminate on the same universal patch panel system with no differentiation between voice and data ports. This will permit all ports to be used for either voice or data applications by means of labelled patch cords which connect to the network hardware (data) or voice patch panel (voice). A voice patch panel and tie cable will be used to provide a cross-connect between the universal patch panel system and the BIX telephone infrastructure. Refer to 4.5.1.1 HP STACKED SWITCH DESIGN as a guide for a typical rack layout in a communications room.

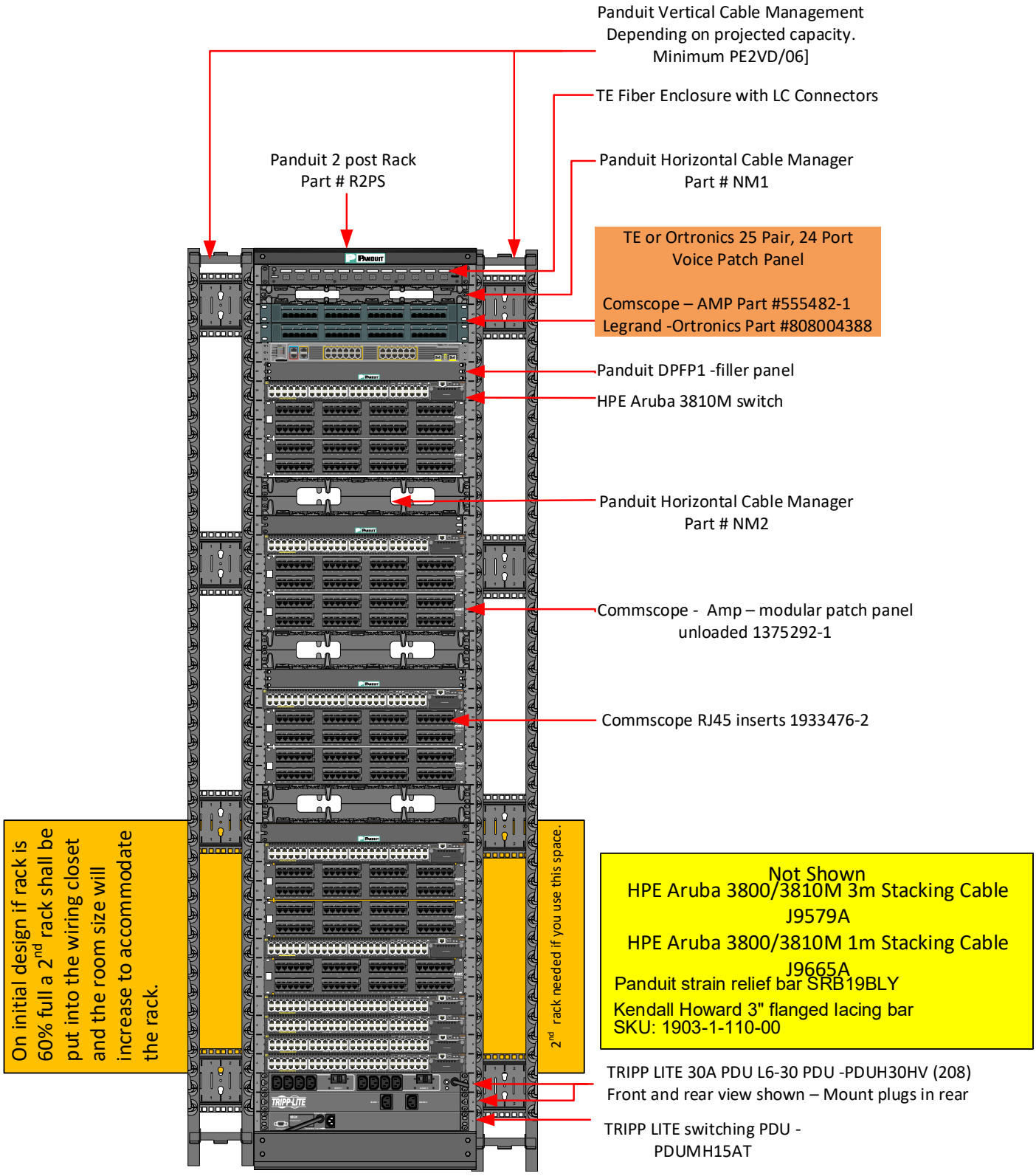
Listed below are requirements for all communication rooms including:

Main Cross Connect (MCC), Back-up Cross Connect (BCC) and Telecommunications Rooms (TR).

- Furnish all walls with (3/4in trade size) A-C plywood, void free, 2.44 m (8 ft.) high starting at 300 mm (12 in) AFF capable of supporting attached equipment. Plywood shall be either fire rated or covered with two coats of CSA approved fire retardant paint.
- Lighting shall be a minimum of 500 lux in the horizontal plane and 200 lux in the vertical plane, measured 1m (3 ft.) above the finished floor in the middle of all aisles (where applicable) using suspended luminaires. The lighting is to be controlled with an occupancy sensor. Sensor to be programmable and provided with an override when workers are in areas of the room that are not detected by the sensor. Dimmer switches shall not be used.
- Lighting fixtures shall be powered from a different electrical distributions panel than the telecommunications equipment in the space.
- False ceiling shall not be provided.
- The access door shall be a minimum of 1m (36in) wide and 2m (80in) high and shall be locked and accessible via the Authority card access system providing secure access. In the event of a power failure, the rooms shall remain secure and only be accessed via key override.
- Floors, walls, and ceiling shall be treated to eliminate dust. Finishes shall be light in color to enhance room lighting.
- In all acute hospital settings provide a UPS branch panel board and a vital branch panel board where each panel board is capable of independently supporting all the active telecommunications equipment which will be dual corded with dual power supplies and simultaneously connect to the UPS branch panel and the vital branch panel such that an interruption in either power branch will not affect the telecommunication equipment.
- In all acute hospital settings provide a minimum of two dedicated 30A, 208V AC L6-30P electrical outlets, one on vital and one on UPS power, for equipment power. Consideration shall be given to identify dedicated telecommunications equipment outlets.
- In communication rooms that require multiple relay racks in acute hospital settings, each relay rack, including unloaded spare capacity racks, require a minimum of two dedicated 30A, 208V AC L6-30P electrical outlets, one on vital and one on UPS power, mounted to the underside of the cable tray.
- In non-acute facilities provide a minimum of two dedicated 20A 120V AC, quad electrical outlets on separate circuits located on the wall no higher than 300 mm AFF and adjacent to where the relay rack will be placed. Final location to be determined via onsite design meetings with the IMITFPC.
- Convenience duplex outlets on a separate 20A 120V AC circuit shall be placed at 1.83m (6ft) intervals around the perimeter walls no higher than 300 mm AFF.
- Air handling must maintain a continuous and dedicated environmental control with:
    - a temperature range of 20°C to 25°C;
    - a humidity range of 40% to 55% relative humidity;
    - minimum dew point: 5.5°C and;
    - maximum dew point: 15°C.

- Shall not be used as a passageway to other equipment rooms, nor should they share space with power transformers, plumbing, storage, custodial equipment, or any other function which would require access for reasons other than telecommunications maintenance.
- Have a minimum of two (2) feed conduits of 101.6 mm (4 in). In determining the total number of pathways required the planner shall consider the following:
    a) Type and use of building
    b) Growth
    c) Difficulty of adding pathways in the future
    d) Alternate entrance
    e) Type and size of cables likely to be installed
- Be accessible from a common hallway, located in a low traffic area, and not located near office locations.
- Must not be located in a sterile core or high security area with limited access such as a pharmacy.
- Access shall be made available to the independent telecommunications grounding system specified by ANSI/TIA/EIA 607.
- Provide a double interlocked, cross zoned, pre-action supplied sprinkler system. There shall be no wet sprinkler system in any Communications Rooms.

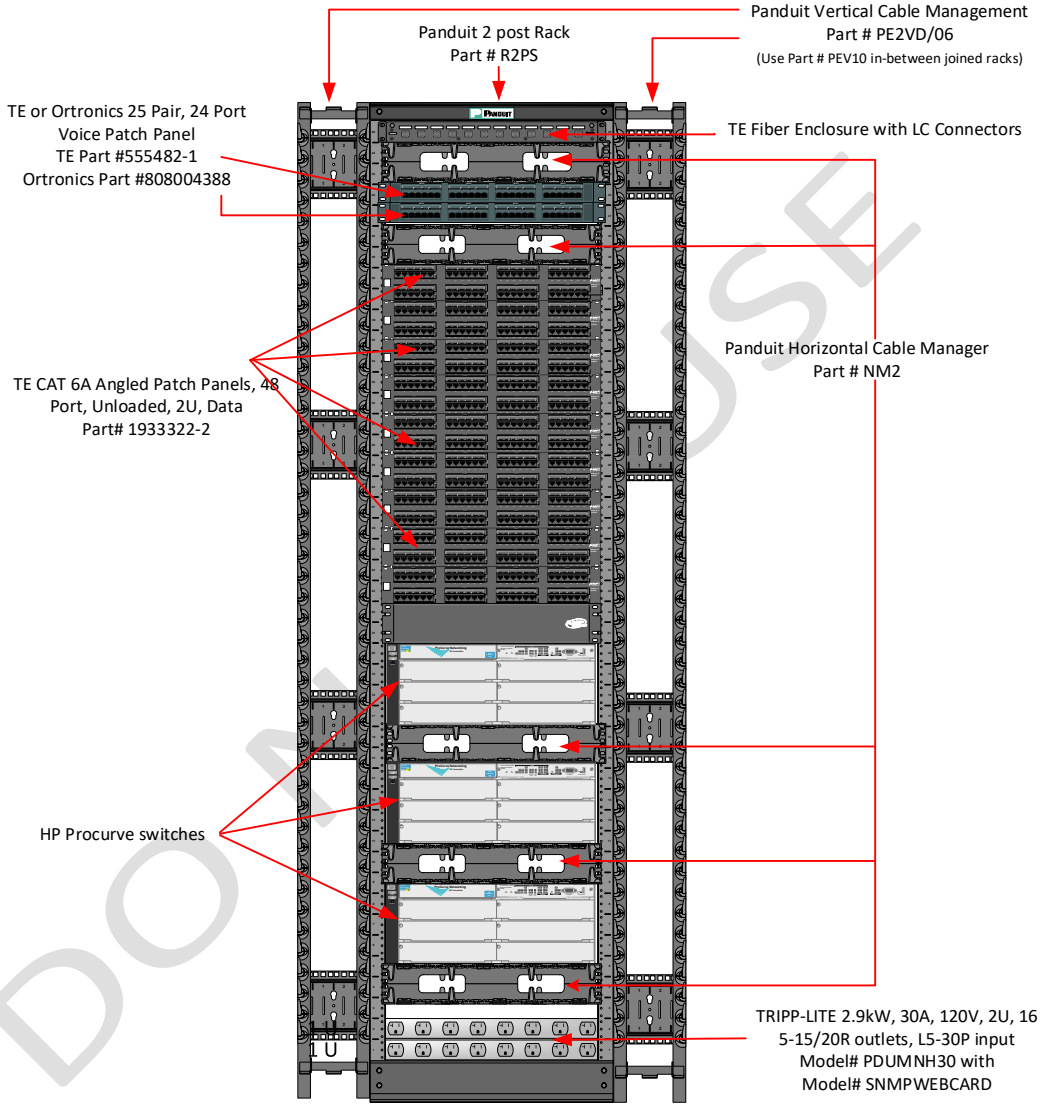
4.5.1.1 HP STACKED SWITCH DESIGN



NOTE:

- This Visio diagram is to be used as a guide and is not to scale.
- Part numbers are subject to change based on availability and latest available product.
- Intended to show preferred placement of active and passive network equipment.

- Final design and approval to be determined in consultation during the design phase with the Authority IMITFPC.
- Notes from 4.5.1.2 also apply.



4.5.1.2 HP CHASSIS SWITCH DESIGN

NOTE:

- Use PANDUIT Part# SRB19BLY strain relief bars on back side of rack (not shown)
- Orient PDU so outlets face the back of the rack
- If the specification requires a 4 post rack as per Main Cross Connect (MCC)or Back-up Cross Connect use PANDUIT Part# R4P with vertical PDU Tripp-Lite Model#PDUV30HV(208v) x2 or PDUMNV30HV(networked) x2 and one PDUMH15AT (120V) at the bottom of the rack.
- Horizontal and vertical cable managers must also include covers. (not shown)
- All racks to be bolted to the floor and home-run grounded to the TGB using green #6 AWG copper wire with crimp type conductors at each end.

4.5.2 Entrance Facility (EF)

The EF consists of the telecommunications service entrance, including the entrance point through the building wall, and continuing to the entrance room or space. The demarcation point between service providers and the Authority premise cabling will be located here.

All carriers and telecommunications providers involved in providing service to the building shall be contacted to establish their requirements and explore alternatives for delivering service. The location of other utilities, such as electrical, water, gas, and sewer shall be considered in the site selection of the EF.

A service entrance pathway shall be provided. The basic methods for provisioning are underground, buried, and aerial pathways.

The entrance room or space is the component of the EF that provides space for the termination of the entrance backbone cable. In accordance with electrical code the entrance or outside building cable shall be terminated and protected on a listed primary protector within 15m (50ft) of entering the building. Where telecommunications equipment (i.e. PBX) is located in the entrance room or space, the entire room or space shall meet the requirements for an equipment room as specified in Section 8 of TIA/EIA-569-A.

For buildings exceeding 6096 m (20,000 SF) usable floor space, an enclosed and secure room must be provided.

The EF overall design will follow that of Section 4.5.1 Communication Rooms, and will also be designed to support various telecommunication service providers Local Exchange Carrier and/or Competitive Local Exchange Carrier.

4.5.3 Main Cross Connect (MCC) and Back-up Cross Connect (BCC)

The MCC and BCC can be located on the same floor however preference is to have each room located on different floors. If located on the same floor they must be a minimum of 30m apart. The MCC must be located above ground. Copper and fiber backbone cables extend from the MCC/BCC to each Telecommunications Room (TR). The MCC may not serve as a TR for services to the work areas. The BCC may be used as a TR for services to the work areas, however if the BCC is used as a TR, the TR equipment must be installed in 2 post racks on the restricted side of the partition as per 4.5.3.1.

The MCC/BCC includes termination hardware, equipment racks, patch panels, cable management hardware, network equipment and servers that are part of other building services. The MCC shall house the telecommunications main grounding busbar (TMGB). The bonding backbone cables shall extend from the TMGB to each of the telecommunications room as shown on the drawings. The BCC to be designed to accommodate hot swapping of all services in the event of a failure in the MCC.

The MCC/BCC overall design will follow that of 4.5.1 Communication Rooms as well as have a physical partition. The BCC will be used for all redundant network and communications requirements.

4.5.3.1 PHYSICAL PARTITION GUIDELINES

All newly constructed facilities will have a MCC and a separate BCC with a required physical partition. All references to MCC are for BCC as applicable. The Authority equipment must be located on the restricted side. Vendor managed systems must be located on the accessible side. The Contractor will incorporate the following design in the MCC in addition to best practices and standards of design for MCCs.

- Provide a physical and secure separation between the restricted side and the accessible side. This separation must be card reader accessible (for auditing and recording who accessed the location and when), minimum 2438.4mm in height, not impede airflow, cooling or overall room lighting. This separated area is the only location in the building where vendor managed systems may reside; they may not reside in any of the other Communication Rooms without prior written approval from the IMITFPC.

- The accessible side will be designed to:
    - Be located on the side with the entrance into the MCC;
    - Include Contractor provided 4 post relay rack(s), Panduit Part# R4P with
        - a vertically mounted Tripp-Lite Model# PDUV30HV or PDUMNV30HV(networked),
        - a horizontally mounted Tripp-Lite Model# PDUMH15AT (120V) and
        - a 48 port COMMSCOPE AMP NETCONNECT patch panel, cross connected to a 48 port COMMSCOPE AMP NETCONNECT patch panel on the restricted side;
    - Include horizontal cable management from the 4 post rack to the nearest 4 post relay cabinet on the restricted side with applicable waterfall cable management that is consistent with the building and telecommunication rooms cable raceway;
    - Ensure that all equipment will be placed and mounted securely in the 4 post server rack(s) and off the floor;
    - Be used for vendor supplied and serviceable equipment.
- The restricted side will be designed to:
    - Be located on the side of the MCC that is furthest from the entrance or the other side of the physically secure separation;
    - Include horizontal cable management from the nearest 4 post relay rack to the 4 post rack on the accessible side with applicable waterfall cable management;
    - Include Contractor provided 4 post relay rack(s), Panduit Part# R4P with
        - a vertically mounted Tripp-Lite Model# PDUV30HV or PDUMNV30HV(networked),
        - a horizontally mounted Tripp-Lite Model# PDUMH15AT (120V) and
        - a 48 port COMMSCOPE AMP NETCONNECT patch panel cross connected to a 48 port COMMSCOPE AMP NETCONNECT patch panel on the accessible side;
    - Ensure that all equipment will be placed and mounted securely in the 4 post relay rack(s) and off the floor;
    - Be used for all Authority communications and network equipment.

4.5.4 Telecommunications Rooms (TR)

Telecommunications Rooms (TR) provide many different functions for the cabling systems and are often treated as a distinct sub-system within the hierarchical cabling system. The TR is the location for cross-connecting the backbone cable and horizontal station cable. Similarly, recognized types of backbone cable are also terminated in the TR on compatible connecting hardware. The TR houses a telecommunications grounding busbar (TGB).

The cross-connection of horizontal and backbone cable using jumper or patch cords allows flexible connectivity when extending various services to telecommunications outlet/connectors. Connecting hardware, jumpers, and patch cords used for this purpose are collectively referred to as “horizontal cross-connect”. Patch cords used for horizontal cross-connect must be CAT 6A. The TR may also contain the IC or the MC connections for different portions of the backbone cabling system.

Sometimes backbone to backbone cross-connections in the TR are used to tie different TR’s together in a ring, bus, or tree configuration. Equipment cables that consolidate several ports on a single connector shall be terminated on dedicated connecting hardware. Equipment cables that extend a single port appearance may either be permanently connected or interconnected directly to horizontal or backbone termination. Direct interconnections reduce the number of connections required to configure a link but may reduce flexibility.

TR minimum recommended size requirements are based on distributing telecommunications service to one individual work area per 100 SF (10 SqM) of usable floor space as follows. Areas with high density wiring where more than 60% of one relay rack is used must be increased in size to accommodate a second relay rack.

4.5.4.1 COMMUNICATION ROOM SIZES

SERVING AREA	RECOMMENDED ROOM SIZE
< or = to 500 SqM	3.0 m depth x 2.5 m width
> 500 SqM and < 800 SqM	3.0 m depth x 2.8 m width
> 800 SqM and < 1000 SqM	3.0 m depth x 3.4 m width

The TR overall design will follow that of Section 4.5.1 Communication Rooms. Further provisions to be considered are as follows:

- TR should be centrally located (both vertically and horizontally) within the building area served.
- TR must be stacked vertically on multi-floor buildings.
- TR shall be dedicated for IMIT services and can NOT be co-located with any other services unless approved by the Authority IMITFPC.
- The maximum wiring run from the TR to the most distant data outlet served from the room/closet cannot exceed 90m (295ft) The TR will be the origination point for wiring to all communications outlets within the area served.
- Where TR serve areas on more than one floor, the design process should recognize the need to incorporate appropriate paths of travel for the raceway systems which will be required to carry the telecommunications wiring between the floors.
- TR to be designed without any pillars, posts, or windows that will interfere with the placement of equipment or reduce available wall space.

4.6 Backbone and Riser Cabling Requirements

4.6.1 General Backbone Cabling Requirements

The function of the backbone cabling is to provide interconnections between the EF, MCC, BCC, and TRs.

All exposed fiber in telecommunications pathways and between the points where the EMT conduit enters the communications room, and the fiber enters the terminating enclosure, including a service loop, shall be protected with riser or plenum rated corrugated High Density Polyethylene Innerduct (HDPEI). HDPEI must meet CSA C22.2 No.262 testing requirements. The HDPEI must be securely fastened to the wall or vertical cable management system in order to ensure it is not hanging down in the middle of the closet.

Furthermore:

- Intra backbone cables shall be installed and bundled separately from entrance and horizontal distribution cables.
- In accordance with TIA/EIA-568-C the backbone cabling consists of the backbone cables, intermediate and main cross-connects, mechanical termination, and patch cords or jumpers used for backbone to backbone cross-connection.
- Backbone cabling also includes cabling between buildings. During each planning period, growth and changes in service requirements should be accommodated without installation of additional cabling.
- The backbone distribution system shall follow the conventional hierarchical extended star topology
- Backbone distances are not to exceed the maximums in accordance with TIA/EIA 568-C.
- All pathway requirements as per Section 4.8 Pathway Requirements are applicable.

4.6.2 Optical Fiber Data Backbone Requirements

Twenty-four (24) strand multimode fiber optic cables shall be utilized to provide primary backbone connectivity between the Main Cross Connect (MCC) and each Telecommunications Rooms (TR). Twenty-four (24) strand multimode fiber optic cables shall be utilized to provide redundant backbone connectivity between the BCC and each TR.
If the distance limitation for multimode fiber is exceeded, single mode fiber will be required as approved by the Authority.

The optical fiber data backbone cable shall be:

- COMMSCOPE AMP NETCONNECT XG 50/125µm multimode OM4 850nm laser-optimized fiber surrounded by an aqua coloured PVC jacket with UL rating of OFNR/OFNP or will meet the requirements of FT4/FT6.
- Both ends of the cable will be terminated to LC-LC connectors.
- Each fiber optic cable shall be terminated in the MCC/BCC and each TR in black COMMSCOPE AMP NETCONNECT 24 port rack mount fiber enclosures providing protection to the terminated fibers.

4.6.3 Analog Backbone Requirements

50 or 100 pair CAT3 cu shall be utilized to provide primary analog backbone connectivity between the Main Cross Connect (MCC) and each Telecommunications Rooms (TR).
50 or 100 pair CAT3 cu shall be utilized to provide redundant analog backbone connectivity between the Main Cross Connect (MCC) and each Telecommunications Rooms (TR). Requirement for multiples of 50 or 100 pair will be determined during the design phase of each project.

The analog backbone cable shall be:

- COMMSCOPE AMP NETCONNECT 24 AWG, 100-pair UTP, (50-pair UTP may be used if approved) CMR/FT4, or CMP/FT6 rated as required by the BCBC.
- Grey sheathed, third party verified to comply with TIA CAT 3 requirements.
- Terminated in BIX mount panels in a Cross-connect Wall Mount Layout using the 25-pair colour code method. Cable assemblies consisting of more than 25 pairs shall have binder groups consisting of 25 pairs with a colour coded wrapping.
  For the general layout rules the following parameters should be observed:
  - A minimum of 20 cm from ceiling
  - A minimum of 20 cm from wall or equipment
  - A minimum of 15.25 cm between Frames

4.7 Horizontal Cabling Requirements

4.7.1 Wire Product Specifications

CAT 6A horizontal cabling shall be:

- COMMSCOPE AMP NETCONNECT, CS44R CAT 6A U/UTP, 4 pair, 23 AWG NEC/NFPA CMR/CMP rated.
- White sheathed, lead-free and meet the performance requirements outlined in EIA/TIA 568-C in addition to all other standard CAT 6A performance requirements.
- Red sheathed cable is to be used for all fire addressable devices requiring IP connectivity.

4.7.2 Modular Jacks

The CAT 6A U/UTP AMP-Twist modular jacks shall:

- Be a COMMSCOPE AMP NETCONNECT product for end to end AMP Certification.
- Be wired to T568A and accommodate cable with a maximum O.D. of 9.00 mm.
- The Authority colour coding guidelines for jacks to identify system usage can be found in the following table
- The colour of jack in the field must match the colour of jack on the rack in the communication room.

4.7.2.1 COLOUR CODE GUIDELINES

SHEATH COLOUR	JACK COLOUR	USAGE	CABLE LABEL	TERMINATION POINT
WHITE	Black	Data/Voice Applications	D	PP
WHITE	Green	Wireless Connection Outlet (POE)	W	PP
WHITE	Red	Patient Monitoring	PM	PP
GREEN	Violet	IP Video Surveillance	VS	PP
WHITE	Blue	Patient Infotainment	TV	PP (BMS)
YELLOW	Yellow	Nurse Call	N	NC BRC
WHITE	White	Voice (Legacy MAC work only)	V	BIX
ORANGE	Orange	Aiphone	A	PP(Or Pt. to Pt.)

4.7.3 Face/Wall Plates

All face/wall plates are to be flush mounted, white, 4-port, single gang similar to the image at right and mounted to in-wall single gang boxes.

Each port shall be individually labelled above the port with white machine printed label tape, applied horizontally, to indicate its function, as per 4.15.4 Telecommunications Outlet Labelling

4.7.4 Telecommunications Outlets (TO)

Each telecommunication outlet location shall

- Consist of a minimum three (3) CAT 6A cables as per 4.7.1 Wire Product Specifications *unless otherwise specified* and mount to the appropriate hardware depending on the use of the cables and
- Be supplied with two (2) allocated data ports and one (1) unallocated data port. Refer to Appendix 2 for definitions.

The following shall be maintained during Telecommunications Outlet Installation:

- Cables shall be coiled in the in-wall or surface-mount boxes if adequate space is present to house the cable coil without exceeding the manufacturer's bend radius.
- No more than 30cm of slack shall be stored in an in-wall box, modular furniture raceway, or insulated walls. Excess slack may be neatly stored in the ceiling above each drop location in a figure-eight coil when there is not enough space present in the outlet box to store slack cable. Coiled slack in the ceiling space should not exceed 2m of cable.
- Cables shall be dressed and terminated in accordance with the recommendations made in the TIA/EIA-568-C document, manufacturer's recommendations and/or best industry practices.
- Bend radius of the UTP cable in the termination area shall not be less than 4 times the outside diameter of the cable as per the TIA/EIA 568-C standard.
- The cable jacket shall be maintained as close as possible to the termination point. .
- Black modular jacks shall occupy the top position(s) on the faceplate.
- Cables shall be installed in continuous lengths from origin to destination. Consolidation points are not permitted without written authorization from the Authority.
- Horizontal distribution cables shall be bundled in groups of no greater than 24 cables.
- Any cable damaged or exceeding recommended installation parameters during installation shall be replaced by the Contractor prior to final acceptance at no cost to the Authority.

- Cables shall be identified by a self-adhesive label in accordance with 4.15.3 Horizontal Cables Labelling and Termination.

4.8 Pathway Requirements

- Horizontal pathways, conduit, raceways and cable trays, shall not be filled to greater than 40% of fill capacity during initial installation.
- Cable trays shall
    - Be aluminum or steel wire mesh, ladder type with manufactured fittings.
    - House only data, wireless, patient monitoring, video, and nurse call cabling.
    - Have clearance above the tray as per TIA and BICSI standards so work can be done in cable tray without any hindrance due to conduit, duct or other obstacles.
    - Have soft 90 degree bends as per TIA/EIA cabling standards.
    - Have continuous #6AWG minimum green insulated copper bond wire.
    - Have #6 AWG green insulated copper bonding jumper between the cable tray and every associated conduit.
    - Follow the same path as the corridor and not cross over or into any rooms other than the MCC/BCC/TR
    - Not pass through fire rated walls.
- Wall mounted vertical cable tray is required for any vertically run cables along any wall surface.
- Minimum conduit size shall be 28mm (1 inch). All empty conduits shall include a 3mm polypropylene pull cord continuously from outlet to outlet, through conduit and fastened at each box.
- If a J-hook or trapeze system is used to support cable bundles all horizontal cables shall be supported at a maximum of four-foot intervals. At no point shall cable(s) rest on acoustic ceiling grids or panels.
- Cable shall be installed above fire-sprinkler and systems and shall not be attached to the system or any ancillary equipment or hardware.
- The cabling system and support hardware shall be installed so that it does not obscure any valves, fire alarm conduit, boxes, or other control devices.
- Cables shall not be attached to ceiling grid or lighting support wires. Where light supports for drop cable legs are required, the Contractor shall install clips to support the cabling.
- Where cables are housed in EMT conduits, the backbone and horizontal cables shall be installed in separate EMT conduits or in separate HDPEI within EMT conduits.
- Where backbone cables and distribution cables are installed in a cable tray or wire way, backbone cables shall be installed first and bundled separately from the horizontal distribution cables. The fiber must be installed inside corrugated HDPEI, and the HDPEI is to be attached to the outer or under side of the cable tray.
- When a cable enters or exits a junction or pull box or other such enclosure the appropriate connector, grommet, or bushing needs to be used.
- Cables run through conduit will not pass through more than two 90 degree corners (or equivalent) without the use of an intermediate pull box as outlined in EIA/TIA 568-C.
- Minimum space requirements in pull boxes having one 28 mm conduit each in opposite ends of the pull box shall be 100 mm wide, 400 mm long, and 75 mm deep. For each additional 28mm conduit, increase width of pull box by 50 mm.
- Minimum space requirements in pull boxes having 28 mm conduit for 90° pulls shall be 200 mm wide, 400 mm long, 150 mm deep. For each additional conduit, increase width of pull box by 50 mm.
- Consult TIA/EIA-569-C for pathway and floor penetration and conduit stub heights for all topologies.
- If cable needs to go through a wall, be it drywall, concrete, wood or other, and an existing pathway does not exist, the created pathway must use electrical conduit as a sleeve with EMT connectors with nylon throats at each end of the conduit. Poking a hole in the wall and running the cable through is not acceptable. All penetrations through fire rated building structures (walls and floors) shall be sealed with an appropriate firestop system as per 6 FIRESTOP Systems

- If cable is to be terminated in an open office location with modular furniture and termination within a wall is not a viable option, then the cables are to terminate within PAC poles, not the modular furniture.

4.9 Nurse Call Systems

For Nurse Call installations:

- Use yellow sheathed COMMSCOPE AMP NETCONNECT UTP cabling as per manufacturer requirements.
- Cables must not be buried amongst new or existing data/voice cables in pathways.
- All nurse call horizontal cabling that leaves the cable tray must be protected in conduit stubbed up from the cable tray to the outlet box.
- Follow the standards and best practices as per 4.7 Horizontal Cabling Requirements.
- The Authority currently uses the Rauland Responder 5, Responder 4000, and Ascom Telligence C600 Nurse Call.
- Yellow sheathed cabling shall be bundled in groups of no greater than 24 cables separately from other network cabling using Velcro wraps or equivalent. Tie-wraps are NOT to be used.

4.10 Security, Video IP Surveillance Systems

For Outlet locations:

- Provide one (1) green sheathed COMMSCOPE AMP NETCONNECT CAT6A UTP cable, terminated at both the head and field ends using violet jacks as per 4.7.2.1 Colour Code Guidelines
- Security cabling shall share pathways with network cabling but must not compromise the integrity of existing network cabling. Security cabling shall be bundled in groups of no greater than 24 cables separately from other network cabling using Velcro wraps or equivalent. Tie-wraps are NOT to be used.
- Follow the standards and best practices as per 4.7 Horizontal Cabling Requirements.

4.11 Wireless Infrastructure

For Outlet locations:

- Provide one (1) white sheathed COMMSCOPE AMP NETCONNECT CAT 6A UTP cable, terminated at both the head and field ends using green jacks as per 4.7.2.1 Colour Code Guidelines
- Provide 5m slack for each cable, at the field end, coiled neatly, suspended in the ceiling space with proper support and cable management. Coil radius must be within acceptable bend radius for the cable as per EIA/TIA 568-C.
- Support cables with Velcro wraps or equivalent. Tie-wraps are NOT to be used.
- Follow the standards and best practices as per 4.7 Horizontal Cabling Requirements.
- The wireless infrastructure shall support a Cisco Based system and will service 802.11b (2.4Ghz DSSS), 802.11g (2.4Ghz OFDM), 802.11a (5Ghz OFDM) , 802.11n(5Ghz and 2.4Ghz MIMO), and 802.11ac (Wave 3)

4.12 Patient Infotainment Systems

For Outlet locations:

- Provide one (1) white sheathed COMMSCOPE AMP NETCONNECT CAT 6A UTP cable, terminated at both the head and field ends using blue jacks as per 4.7.2.1 Colour Code Guidelines.
- Provide one (1) appropriately sized coax cable (RG-6) from each patient infotainment outlet to a predefined wall in the TR servicing the work area. Cabling is to interconnect in each TR via riser cabling to the accessible side of the MCC where the patient infotainment system will reside.
- Provide one (1) yellow sheathed COMMSCOPE AMP NETCONNECT UTP cable from the patient infotainment outlet to the patient head wall in conduit in all patient rooms for connectivity to the nurse call system.
- Cables will terminate in a separate patch panel from the Authority Network. This is required for this system to connect into the BMS or separate network so as not to impact the Authority Network.,
- Support cables with Velcro wraps or equivalent. Tie-wraps are NOT to be used.
- Follow the standards and best practices as per Section 4.7 Horizontal Cabling Requirements.

4.13 Patch and Interconnection Cabling Requirements

4.13.1 Horizontal Data Cross-Connect

The horizontal cross-connect for data circuits shall consist of patch cords from the horizontal CAT 6A termination panels to the network equipment within the same or adjacent racks. Short patch cords are preferred in a stacked switch configuration. See 4.5.1.1 HP STACKED SWITCH DESIGN for typical rack layout and part numbers.

4.13.2 Voice/Data BIX Cross-connect

All installations of horizontal cabling for voice shall be run and terminated in the same manner as data. To allow cross-connecting between horizontal and backbone voice cabling, 25 or 50 pair “Amphenol tails” will be run from patch panels in the data rack and terminated on BIX 1A connecting blocks. The use of data patch panels for the voice cross-connect is not acceptable.

Wall fields shall consist of field-terminated BIX XC kits which include frame, blocks, bottom trough, horizontal wire troughs, connecting blocks, and designation strips. Wire management frames shall be mounted between adjacent vertical frames to provide wire management of cross-connect wire.

Combinations of 300 and/or 900 pair frames shall be used as required by the horizontal and backbone pair counts to be terminated in a given closet. Backbone frames shall employ BIX1A connecting blocks with 5-pair markings, and horizontal frames shall employ BIX1A4 connecting blocks with 4-pair markings on each 25-pair row. Where multiple frames are required:

- Frames shall be oriented so that backbone frames are located on the left and horizontal frames are located on the right of the wall field when facing the frame assembly.
- Frames on the left must allow for cross-connect wire to enter and exit the left side of the frame and connecting blocks must be able to swing out to the left, with enough slack for servicing while fully terminated and cross connected.
- Frames on the right must allow for the opposite of the left.
- Cables shall be dressed and terminated in accordance with the recommendations made in the TIA/EIA-568-C.
- Cables must be secured to the BIX connecting blocks.
- Pair untwist at the termination shall not exceed one-half an inch for CAT6A connecting hardware.
- Cables shall be neatly bundled and dressed to their respective panels or blocks. Each panel or block shall be fed by an individual bundle separated and dressed back to the point of cable entrance into the rack or frame.
- Cable bundles shall not cross the path (or plane) used for cross-connect wire.
- For voice terminations on BIX, the cable jacket shall extend to the point directly behind the designation strip, between the pair of BIX connecting blocks where termination is to take place. No unjacketed wire shall be visible when designation strips and connecting blocks are in place, and no jacketed cable shall be secured to the connecting block.
- Each cable shall be clearly labelled on the cable jacket behind the patch panel at a location that can be viewed without removing the bundle support ties. Cables labelled within the bundle, where the label is obscured from view shall not be acceptable.

4.14 Fiber Termination

Fiber optic termination hardware shall be installed in the following manner:

- Fiber slack and service loops shall be neatly coiled within the fiber termination panel. The sheath of the cable must remain on the loop. No slack loops shall be allowed external to the fiber panel(s).
- Each cable shall be individually attached to the respective termination panel by mechanical means. The cable's strength member(s) shall be securely attached the cable strain relief bracket in the panel.
- Each fiber cable shall be stripped upon entering the termination panel and the individual fibers routed in the termination panel.
- Each end of the fiber will be terminated with LC connectors.
- Each cable shall be clearly labelled at the entrance to the termination panel.
- Dust caps shall be installed on the LC-LC connectors and couplings at all times unless physically connected.
- Fiber termination panel is to have LC-LC adapters, cartridges, bulkheads, and couplers, as required by the installation.

4.15 Labelling

4.15.1 General

All documentation and labelling must follow the TIA/EIA 606A Standard. All labels must be machine printed, smudge-resistant and water-resistant. For labels on faceplates, patch panels, walls, BIX, or equipment, a device such as the Brother P-Touch, or Dyno labeler is acceptable.

For labels identifying cable, the labels must be wrapped around the cable within 30cm of the cable termination and must be protected with a plastic coating. .

4.15.2 Panel Labelling

Fiber patch panels will be labelled "Panel 1", continuing in a top-to-bottom, left-to-right approach. This label must be followed by a description of the fiber strand count and fiber type (6 Strand MM or 12 Strand SM) and where the other end of the fiber is located. For example "Panel 1 – 6 Strand MM to TR A1A".

Copper patch panels will be labeled "Panel A" for the first panel, "Panel B" for the next panel and continuing top-to-bottom, left-to-right. The label is to be placed on the left side of the front face of each 48-port patch panel. There should be no other labeling added to the patch panel. Each port on each patch panel comes pre-labeled with numbers 1 – 48 and therefore ports are identified at the wall-plate using a combination of the patch panel letter and port number. For example port 45 on patch panel B would be identified as B45.

4.15.3 Horizontal Cables Labelling and Termination

Horizontal cables are labelled sequentially from each communications room. Data patch panels will be labelled in a left-to-right, top-to-bottom fashion. With all new builds the cables must be terminated in a logical fashion so that all data drops from a room or area in the building are sequentially located on the patch panel(s). BIX positions will be labelled left-to-right, top-to-bottom within a BIX column; numbering will continue at the top of the next (to the right) column. Voice patch panels will be labelled, "To BIX 1-50", and "To BIX 51-100" and so on.

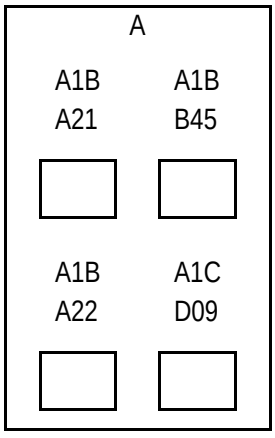
In order to identify the installer the Authority requests that the label on the cable also include the company's initials.

Self-laminating labels must be wrapped around the ends of horizontal cable runs 10 cm from the end of the sheath, marked with; communications room, patch panel location, room, installer, and usage. For example; a cable used for Patient Monitoring coming from patch panel B, location 17, in TR A1A terminating to Room 2745 on faceplate A would have this label at both the head and field end A1A.B17.2745.A.XX.PM (XX being the company's initial)

The last few letters after the installers' initials indicate what the cable is used for. Refer to 4.7.2.1 Colour Code Guidelines for the naming convention to use.

4.15.4 Telecommunications Outlet Labelling

At the telecommunications outlet, each jack of the faceplate will show the associated communications room or closet (such as A1B or A1C) followed by the patch panel letter and port number such as A21 or B45.



The above telecommunications outlet indicates that there are 3 cables coming from the A1B location, and 1 cable coming from A1C. The colour of the jack will indicate whether it is a data or other connection as per the jack colour coding requirements listed in 4.7.2.1 Colour Code Guidelines. All of the telecommunications outlets must also be labelled with their position in the

room to match the label on the cable, be that A, B, C, D etc. The locations start from the primary entry, then clockwise around the room.

4.15.5 Backbone Cable Labelling

Backbone cables will be labelled showing the communications rooms at each end and where within those rooms the fiber is terminated, along with the installers initials. For example, a fiber bundle connecting rooms S5A (in fiber panel 2) and R1A (in fiber panel 1) would be labelled "S5A-2 R1A-1.XX". (XX being the installers initials) The specific labelling to be applied will be specified for the job. Both the port where the cable is terminated and the cable itself must be labelled. The cable must be labelled with self-laminating labels wrapped around the sheath of the cable.

4.15.6 Patch Cable Labelling

Patch cables used at the workstation or within a communications room or closet do not need to be labelled.

4.16 Low Voltage Certification Testing

Certification testing shall be performed on all data cabling. Validation and/or qualification testing is not sufficient for either horizontal or backbone data cabling. Test documentation shall be provided electronically in PDF format to the IMITFPC within three weeks after the completion of the project. The test document should not exceed 8-1/2in x 11in. There shall be only one cable test result per page, and the document must include the cable designation that matches the machine printed label that can be found within 10cm of each cable end. Test documentation must include site code.

The test equipment by name, manufacturer, model number and last calibration date will also be provided at the end of the document. Unless a more frequent calibration cycle is specified by the manufacturer, an annual calibration cycle is anticipated on all test equipment used for this installation. Calibration shall be completed by a manufacturer approved facility – "self" calibration is not sufficient. The test document shall detail the test method used and the specific settings of the equipment during the test.

When repairs and re-tests are performed, the problem found and corrective action taken shall be noted, and both the failed and passed test data shall be provided electronically in PDF format to the IMITFPC.

4.17 Telecommunications Infrastructure Acceptance

4.17.1 Inspections

The IMITFPC will make periodic inspections of the cabling in progress. One inspection will be performed at the conclusion of cable pulling, prior to closing of the false ceiling, to inspect the method of cable routing, support, and the fire stopping of penetrations. Refer to 6 FIRESTOP Systems. A second inspection will be performed at completion of cable termination to validate that cables were dressed and terminated in accordance with TIA/EIA 568-C specifications for jacket removal and pair untwist, compliance with manufacturer's minimum bend radius, and that cable ends are dressed neatly and orderly. Note that these inspections are at a minimum. The Authority may choose to inspect work more frequently at its discretion.

4.17.2 Final Inspection

Upon completion of the project, the IMITFPC will perform a final inspection of the installed cabling system with the Contractor's Project Foreman. The final inspection will be performed to validate that all horizontal and backbone cables were installed as defined in the drawing package, and that the installation meets the aesthetic expectations of the Authority.

4.17.3 Test Verification

Upon receipt of the test documentation, See Section 4.16 Low Voltage Certification Testing the Authority reserves the right to perform spot testing of a representative sample of the cabling system to validate test results provided in the test document. Authority testing will use the same method employed by the Contractor, and minor variations will be allowed to account for differences in test equipment. If any significant discrepancies are found, the Contractor will be notified for immediate resolution.

4.17.4 System Performance

During the three week period between final inspection and delivery of the test and as-built documentation, the Authority will activate the cabling system. The Authority will validate operation of the cabling system during this period.

4.17.5 Final Acceptance

Completion of the following will constitute acceptance of the system:

- in-progress and final inspections;
- receipt of the test and as-built documentation;
- receipt of the installation permit number with an accompanying summary of the work performed within three weeks of completion;
- successful performance of the system for a two week period;

4.18 Warranty and Services

4.18.1 General

The Contractor shall provide a system warranty covering the installed cabling system against defects in workmanship, components, and performance, and follow-on support after project completion.

4.18.2 Installation Warranty

The Contractor shall warrant the cabling system against defects in workmanship for a period of one year from the date of system acceptance. The warranty shall cover all labour and materials necessary to correct a failed portion of the system and to demonstrate performance within the original installation specifications after repairs are accomplished. This warranty shall be provided at no additional cost to the Authority

5 ELECTRICAL SPECIFICATIONS

5.1 Grounding and Bonding

In accordance with Division 26 of the Project Agreement the facility shall be equipped with a Telecommunications Bonding Backbone (TBB). This backbone shall be used to ground all telecommunications cable shields, equipment, racks, cabinets, raceways, and other associated hardware that has the potential for acting as a current carrying conductor. The TBB shall be installed independent of the buildings electrical and building ground and shall be designed in accordance with the recommendations contained in the TIA/EIA-607 Telecommunications Bonding and Grounding Standard.

The EF in each building shall be equipped with a telecommunications main grounding bus bar (TMGB). Each EF, MCC, BCC, TR shall be provided with a telecommunications ground bus bar (TGB). The TMGB shall be connected to the building electrical entrance grounding facility. The intent of this system is to provide a grounding system that is equal in potential to the building electrical ground system. Therefore, ground loop current potential is minimized between telecommunications equipment and the electrical system to which it is attached.

5.2 Product Specifications

All racks, metallic backboards, cable sheaths, metallic strength members, splice cases, cable trays, etc. entering or residing in the EF, MCC, BCC, TR shall be grounded to their respective TGB or TMGB using a minimum #6 AWG stranded copper bonding conductor and compression connectors. Where metallic panels attached to the rack do not have sufficient metal to metal contact to provide an adequate path to ground, they shall be bonded to the rack using a minimum #14 AWG copper conductor. The copper conductor size shall be upgraded based on the largest power conductor feeding any rack mount equipment. The conductor shall be continuous; attaching all isolated components in a daisy chain fashion from top to bottom and bonded to the rack using an appropriate compression connector.

All wires used for telecommunications grounding purposes shall be identified with a green insulation. Non-insulated wires shall be identified at each termination point with a wrap of green tape.

5.3 Ground System Installation

The TBB shall adhere to the recommendations of the TIA/EIA-607 standard, and shall be installed in accordance with best industry practices. Installation and termination of the main bonding conductor to the building service entrance ground, at a minimum, shall be performed by a licensed electrical contractor.

6 FIRESTOP SYSTEMS

6.1 General

Firestop systems provide an effective block for fire, heat, vapour, smoke and pressurized water streams. A firestop system is comprised of the:

- Item or items penetrating the fire rated structure;
- Opening in the structure and;
- Materials and assembly of the materials used to seal the penetrated structure.

Fire rated cable pathway devices shall be used for ALL low-voltage, video, data and voice cabling, optical fiber raceways and certain high-voltage cabling where frequent cable moves, adds and changes may occur. Such devices shall:

- Meet the hourly fire rating of fire rated wall and floor penetrated.
- Be tested for the surrounding construction and cable types involved
- Have pathways that are engineered to be re-enterable so they can be retrofitted and removed from around existing cables without cutting, caulking, and re-splicing them.
- Be “Low-Maintenance”, low-maintenance is defined as; Limited action required by cabling technician to open and/or close pathway for cable moves, additions or changes, such as, but not limited to:
    - Opening or closing of doors
    - Spinning rings to open or close inner liner
    - Removal and or replacement of any material such as, but not limited to, fire stop caulk, putty, pillows, bags, foam muffins, foam blocks, or foam closures of any sort
- Where non-mechanical pathways must be utilized, such as sealing (caulking) around single or grouped conduits, provide products that upon curing do no re-emulsify, dissolve, leach, breakdown or otherwise deteriorate over time from exposure to atmospheric moisture, sweating pipes, ponding water or other forms of moisture characteristic during or after construction.
- Provide letter from manufacturer certifying compliance with this section.

6.2 Product Specifications

Firestop systems shall:

- Have ULC, cUL or cULus Systems permitting cable loads from; “Zero to 100% Visual Fill.” This requirement eliminates need for fill-ratio calculations to be made by cable technicians to ensure cable load is within maximum allowed by ULC, cUL or cULus System;
- Be approved by a qualified Professional Engineer (P.E.), licensed in British Columbia;
- Include a drawing showing the proposed fire stopped system, stamped by the P.E. provided to the IMITFPC prior to installing the firestop system(s);
- Include an adhesive wall label immediately adjacent to devices to communicate to future cable technicians, authorities having jurisdiction and others the manufacturer of the device and the corresponding UL System number installed and;
- Be HILTI Fire stop speed sleeve CP 653 102mm (4in) for both wall and riser penetrations or;
- Be EZPath EZDP44S2 for wall and EZDP144FKS2 for riser penetrations.
  (See Appendix 4 – Product Specification Sheets)

6.3 Firestop System Installation

All firestop systems shall be installed in accordance with the manufacturer's recommendations and shall be completely installed and available for inspection by the local inspection authorities prior to cabling system acceptance. Where non-mechanical pathways must be utilized, such as sealing (caulking) around single or grouped conduits, provide products that upon curing do no re-emulsify, dissolve, leach, breakdown or otherwise deteriorate over time from exposure to atmospheric moisture, sweating pipes, ponding water or other forms of moisture characteristic during or after construction.

7 COMMISSIONING AND SYSTEMS INTEGRATION

7.1 Acceptance

The contractor is responsible for commissioning any systems installed. Commissioning includes the stand-alone system and any other system that is integrated to provide the Authority will a fully integrated infrastructure. A system must be certified, commissioned and demonstrated as a stand-alone system prior to being integrated with any other system.

For example if the scope of work includes the installation of a Nurse Call system that will be integrated with the Staff Communications system, each system must be commissioned independently prior to being commissioned as an integrated system.

End to end commissioning of the fully integrated system must be demonstrated to and accepted by the Authority's IMIT authorized technical representative prior to final acceptance being granted.

8 A/V MEETING AND CONFERENCE ROOM STANDARDS

The specifications in this section are for rooms that are constructed with studs and drywall. For rooms that are built using a modular wall system, such as DIRTT, in the main wall, instead of providing a 1200 mm x 1200 mm sheet of 19 mm plywood, provide a horizontal aluminum cross brace centered at 1720 mm AFF. Conduit inside the modular wall is also not required as long as a proper pathway is created free from insulation and other obstructions to use as a pathway for non-electrical cabling.

Final room layout, height and location of outlets and equipment will be determined in consultation with the Authority's IMITFPC and Video Conference Analyst.

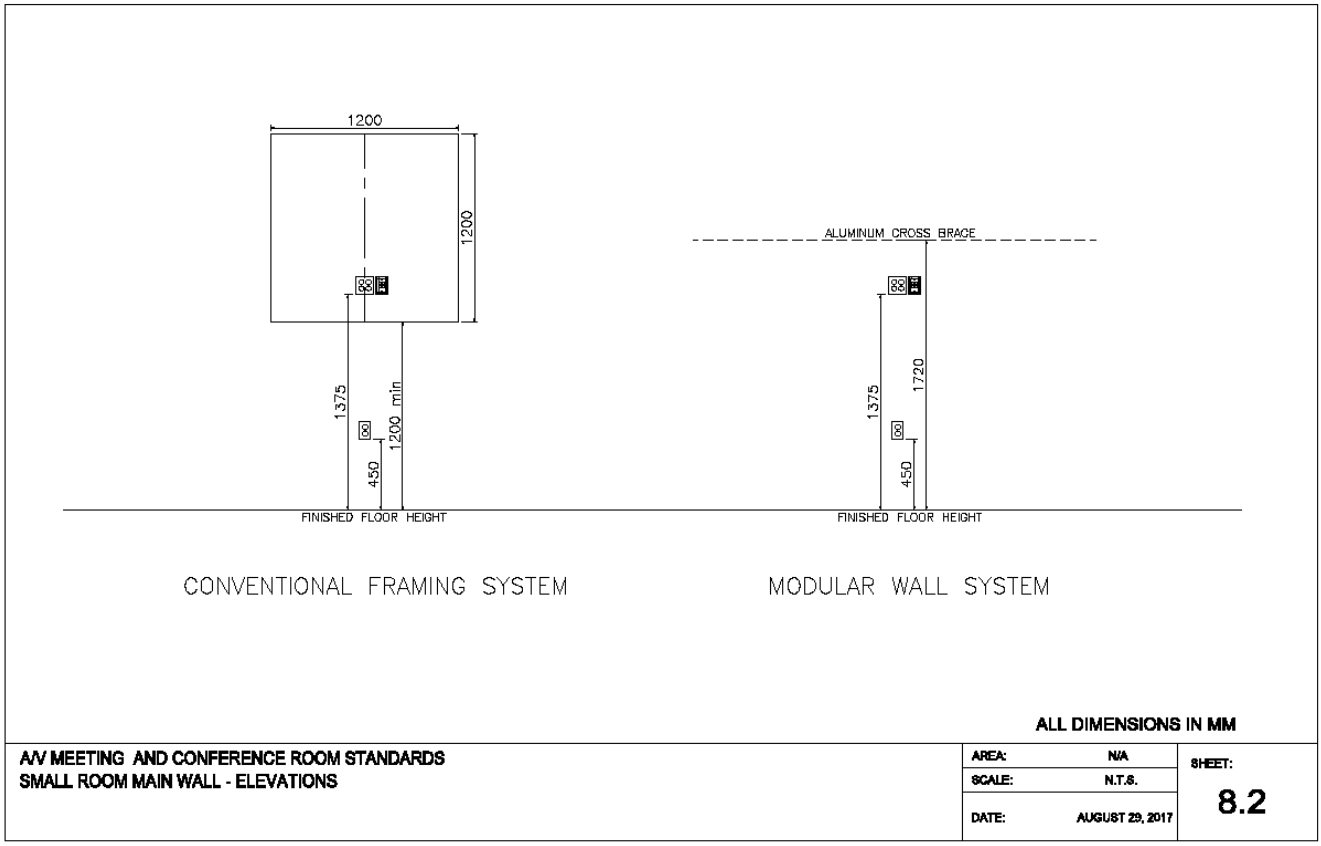
Drawings have been included as a pictorial reference and guide when designing the main wall and communications infrastructure requirements for small, medium and large rooms. These are subject to change and are to be used as a reference only.

8.1 Telehealth Rooms

- The following requirements must support a monitor that will be wheeled in to the room on a cart
    - Indirect lighting
    - Three allocated data ports in one Telecommunication Outlet designated for Telehealth.

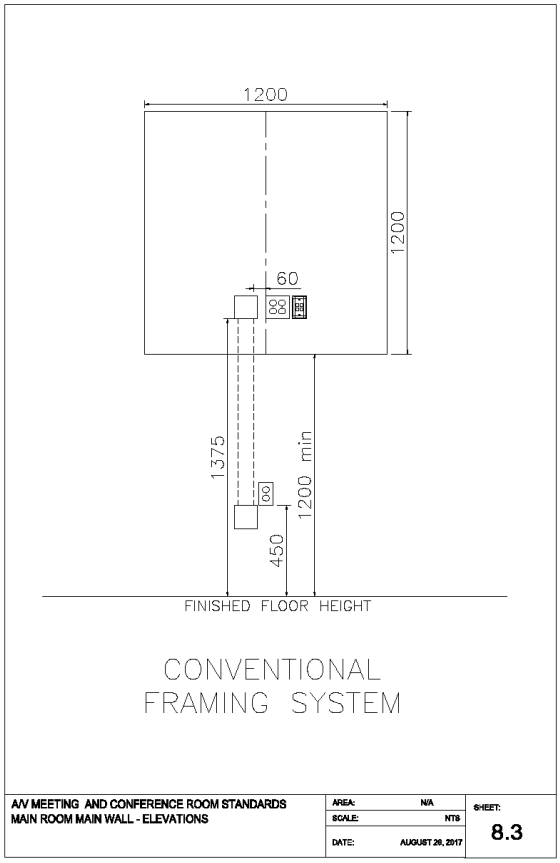
8.2 Small Room

- Provide one electrical duplex outlet on each of the walls at a height of 450 mm above finished floor (AFF).
- Main wall will be chosen by the Authority's IMITFPC or Video Conference (V/C) Analyst. The main wall in a small room is generally on the wall opposite the entrance.
- On the main wall:
    - In between studs, provide a 1200 mm x 1200 mm sheet of 19mm plywood in the center of the main wall to be used as backing for a wall mounted television. The lowest edge of this backing is to be no lower than 1200 mm AFF.
    - Provide one telecommunications outlet with two data and one coaxial outlet and two electrical duplex outlets at a height of 1375 mm AFF in recessed wall plates centrally located in the main wall.



8.3 Medium Room

- Main wall will be chosen by the Authority's IMITFPC or V/C Analyst where 'center of screen' will be determined.
- Provide two electrical duplex outlets on each of the walls, other than the main wall, at a height of 450 mm above finished floor (AFF).
- On the main wall:
    - At center of the screen provide:
        - A 1200 mm x 1200 mm sheet of 19mm plywood to be used as backing for a television. The lowest edge of this backing is to be no lower than 1200 mm AFF.
        - One telecommunications outlet with three data and one coaxial outlet and two electrical duplex outlets at a height of 1375 mm AFF in recessed wall plates.
    - Provide an 'in-wall' 41 mm conduit vertical pathway that begins at 60 mm to the left of center of screen placed at a height of 1375 mm AFF ending at 450 mm AFF with appropriate flush mounted access. .
- Provide an in-slab 41 mm conduit horizontal pathway from the floor mounted low voltage service box to the main wall with a soft 90 bend up vertically to connect into the vertical pathway at 450 mm AFF as per the previous bullet.
- This pathway will be used for video/audio cables that will run from the wall mounted television location down to a wall plate, and will also extend to the floor mounted box in the center of the room.
- In the center of the room, or other designated area once furniture and room layout has been determined, provide a telecommunications outlet with four data drops and two electrical duplex outlets flush floor mounted. These outlets are to be covered by a 250 mm or 300 mm round plate.
- Provide fluorescent indirect lighting on two separate switches designed so that lights within 1200 mm of the main wall can be switched off while other lighting that lights the table and the remainder of the medium sized room can remain lit. Pot lights are not acceptable in this room.
- All windows must have total black out curtains or blinds.
- Wall paint to be flat finished in a blue or green medium tone.



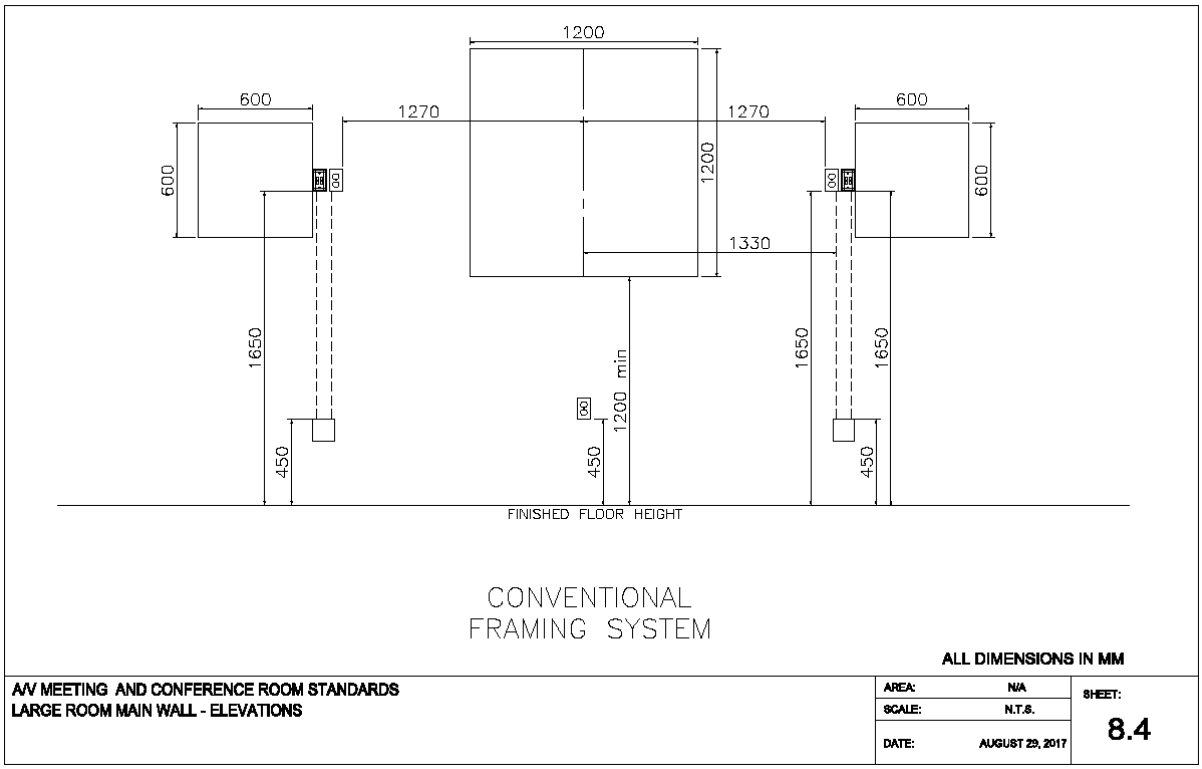
8.4 Large Room (with wall mounted television)

- Main wall will be chosen by the Authority's IMITFPC or V/C Analyst where 'center of screen' will be determined.
- Provide two electrical duplex outlets on each of the walls, other than the main wall, at a height of 450 mm AFF at approximately 3650 mm intervals.
- On the main wall:
    - At center of screen provide:
        - A 1200 mm x 1200 mm sheet of 19 mm (3/4") plywood to be used as backing for a television. The lowest edge of this backing is to be no lower than 1200 mm AFF.
        - One telecommunications outlet with two data and one coaxial outlet and one electrical duplex outlet at a height of 1375 mm AFF in recessed wall plates.
    - Provide one telecommunications outlet with two data drops and one electrical duplex outlet at a height of 1650 mm AFF in recessed wall plates at 1270 mm from center of screen (either left or right).
    - In between studs at this location (1270 mm from center of screen) provide a 600 mm x 600 mm sheet of 19 mm (3/4") plywood to be used as backing for mounting of a shelf for video conferencing equipment.
    - Provide an in wall 41 mm conduit vertical pathway that begins at 1330 mm left or right of the center of screen at a height of 450 mm AFF and proceeds vertically to a point 1650 mm AFF with appropriate flush mounted access.
- Provide an in slab 41 mm conduit horizontal pathway with pull cord from the floor mounted, centrally located, low voltage service box to the main wall with a soft 90 bend up vertically to connect into the vertical pathway at 450 mm AFF 1330 mm left or right of the center of screen as per previous bullet.
- This pathway will be used for video/audio cables that will run from the wall mounted television location down to a wall plate, and will also extend to the floor mounted box in the center of the room. This pathway is not to be used for any horizontal cabling.

- In the center of the room, or other designated area once furniture and room layout has been determined, provide one telecommunications outlet with four data drops and two electrical duplex outlets flush floor mounted. These outlets are to be covered by a 250 mm or 300 mm round plate.
- Provide paired lighting in the room so that there is no single bank of lights. This room will be designed to accommodate a centrally located ceiling mounted projector thus all lighting must be located on either side of the center of the room.
- All lighting must be on multiple switches designed so that lights within 2400 mm of the main wall can be switched off while other lighting that lights the table and the remainder of the large room can remain lit.
- All windows must have total black out curtains or blinds.
- Wall paint to be flat finished in a blue or green medium tone.

8.5 Large Room (with ceiling mounted projector)

- In addition to the specifications indicated in Section 8.4 provide:
    - In the plenum, a 450 mm by 450 mm sheet of 19 mm (3/4") plywood mounted 300 mm above the dropped ceiling for a ceiling mounted projector. The front edge of the plywood will be 3810 mm from the main wall and will be centered to the screen location or centrally located from each of the side walls and within 1200 mm of the center line of the room. Ensure the ceiling tile below does not have any fixtures of any sort (vent, light, duct, sprinkler, etc.)
    - On the back corner of the plywood, a quad power outlet and one telecommunications outlet with one allocated data port and one coaxial output.
    - In the plenum, a 41 mm conduit horizontal pathway with pull cord from the edge of the ceiling mounted plywood to the main wall with a soft 90 bend down vertically to connect into the vertical pathway at 1650 mm AFF as a continuation of the pathway provided in the last bullet on page 24, Section 8.4.



9 CABLE MANAGEMENT AND DESKTOP PLACEMENT GUIDELINES

9.1 Communication Room Guidelines

- New stackable switch configurations will use a short patch strategy. This is where the switch is located adjacent to the patch and will use 300 mm or 600 mm patch cables to patch ports below or above the switch to reduce blocking uplink lights. The stacked switches will patch below the switch as the uplink ports are at the top. Avoid crossing patch cables if possible. If the port density of the patched ports exceeds the number of ports on the switch use the long patch method to another switch on the rack.
- Long patch cables should not be managed with velcro in the vertical cable manager.
- Patch cables must be installed in such a way that they do not block access to switch modules or other equipment.
- CAT 6A patch cables shall be the minimum standard, and patch cable colours for cables being added shall be consistent with existing patch cable colours.
- Patch cables longer than 600 mm shall have uniquely identifying numbers to trace cables. A master cable spreadsheet must be made and maintained to track and assign cable numbers.
- Patch cables should be of a uniform length, with extra slack neatly tucked into the vertical cable management. Slack should not be stored in horizontal cable managers.
- Where possible, cables from the right side of a patch panel should be routed through vertical cable managers to the right side of the network switch. In cases where a cable must be routed from one side of a rack to the opposite side, the cable must run through horizontal cable management (at the top or bottom of the rack) to reach the other side of the equipment.
    - In essence, a cable plugged into the left half of a switch or patch panel must approach from the left side. A cable plugged into the right half of a switch or patch panel must approach from the right side.
- Do not fasten copper patch cables to fiber patch cables, and do not cause physical stress to fiber patch cables.
- Where bundles of patch cables are already in place and new cables are added, fasteners should be removed and cables should be re-bundled into appropriately size bundles.

9.2 Desktop Guidelines

- Ensure cables are tidily bundled together in a manner that does not interfere with users ability to use the workspace
- Secure cables in a manner that raises them off the floor and does not interfere with users ability to use the workspace. Cables must be attached to the desk or millwork as required. (NO CABLES ON THE FLOOR)
- Ultra-slim desktop (USDT) PCs can be placed under the monitor or beside/behind monitor; use stand if feasible. PC should be no farther than 5ft from monitor, keyboard, and mouse.
- Small form factor (SFF) PCs can be placed under the monitor or beside the monitor use desktop stand if feasible. PC should be no farther than 5ft from monitor, keyboard, and mouse.
- Tower PCs should be placed beside or behind the monitor if a mounting solution is not used. If mounting is required, then optimal mounting positions are within 5ft of monitor, keyboard, and mouse while being out of the way of user's ability to use the workspace.

10 FINAL ACCEPTANCE

10.1 System As-Built Drawings

The installation contractor will be provided with two sets of drawings at the start of the project. One set will be designated as the central location to document all as-built information as it occurs throughout the project. The central set will be maintained by the Contractor's Foreman on a daily basis, and will be available to the Authority's Technical Representative upon request during the course of the project. Anticipated variations from the build-to drawings may be for such things as cable routing and

actual outlet placement. No variations will be allowed to the planned termination positions of horizontal and backbone cables, and grounding conductors unless approved in writing by the Authority.

The Contractor shall provide the central drawing set to the Authority at the conclusion of the project. The marked up drawing set will accurately depict the as-built status of the system including termination locations, cable routing, and all administration labelling for the cabling system. In addition, a narrative will be provided that describes any areas of difficulty encountered during the installation that could potentially cause problems to the communications system.

10.2 Sign off

The Authority's IMITFPC will not provide sign-off on the work unless all sections of this document, as applicable, have been achieved to the satisfaction of the IMITFPC.

11 PREFERRED VENDORS

For a complete list of current Authority IMIT pre-approved vendors, or vendors that currently have a service level agreement with the authority please refer to Appendix 3 – Current Technologies or contact the Authority's IMITFPC via email at IMITFPC@interiorhealth.ca.

APPENDIX 1 – ACRONYMS & ABBREVIATIONS

ACR	Attenuation to Cross-talk Ratio
AFF	Above Finished Floor
ANSI	American National Standards Institute
ASTM	American Society for Testing and Materials
ATM	Asynchronous Transfer Mode
AUI	Attachment Unit Interface
AWG	American Wire Gauge
BCC	Back up Cross Connect
BICSI	Building Industry Consulting Service International
BIX	Building Industry Cross-connect
CEC	Canadian Electrical Code
CSA	Canadian Standards Association
CSMA/CD	Carrier Sense Multiple Access/Collision Detection
dB	decibel
EF	entrance facility
EIA	Electronic Industries Association
EMI	electro-magnetic interference
EMT	electrical metallic tubing
ER	equipment room
Ethernet	Precursor to, and almost identical with, the IEEE802.3 standard
ft	foot
HC	horizontal cross-connect
HDPEI	High Density Polyethylene Innerduct
HVAC	heating, ventilation, and air conditioning
Hz	hertz
IC	intermediate cross-connect
IEEE	Institute of Electrical and Electronics Engineers
IMIT	Information Management Information Technology
IMITFPC	Information Management Information Technology Facilities Project Coordinator
in	inches
ISO	International Organization for Standardization
ITU	International Telecommunications Union - Telecommunications Standardization Section
kHz	kilohertz
km	kilometer
LAN	local area network
LED	light emitting diode
m	meter
MAC	Moves, Adds, Changes with respect to telecommunications
MBS	megabits per second

MCC	main cross-connect
MHz	megahertz
MMFO	Multi-Mode Fiber Optic
mm	Millimeter
NEC	National Electrical Code (US)
NOC	Network Operations Centre
NEMA	National Electrical Manufacturers Association
NI	Network Interface
NIR	Near End Crosstalk-to-Insertion Loss Ratio
NIST	National Institute of Standards and Technology
nm	Nanometer
NRZ	Non Return to Zero
NTS	The Authorities Networks and Telecommunications Department
PBX	Private Branch Exchange
P.E.	Professional Engineer
PVC	Polyvinyl Chloride
RFI	Radio Frequency Interference
SF	Square Feet
SMFO	Single-Mode Fiber Optic
STP	Shielded Twisted Pair
SqM	Square Meters
TC	Telecommunications Closet
TIA	Telecommunications Industry Association
TO	Telecommunications Outlet
TR	Telecommunications Room
UTP	Unshielded Twisted Pair
UL	Underwriters Laboratories, Inc.
VoIP	Voice Over Internet Protocol
WAN	Wide Area Network
X	Cross-connect

APPENDIX 2 – DEFINITIONS

In this document, the words "will", "shall" and "must" denote absolute requirements. Also, the following definitions apply:

allocated data port or data jack: A CAT6A cable that has been installed tested and certified with proper terminations at both the field and head ends that can be patched into a provisioned switch port in the same rack in the communication room without the need for additional infrastructure.

adapter: a device that enables any or all of the following:

a) different sizes or types of plugs to mate with one another or to fit into a telecommunications outlet/connector;
b) the rearrangement of leads;
c) large cables with numerous wires fanning out to smaller groups of wires;
d) Interconnection between cables.

administration: The method for labelling, identification, documentation and usage needed to implement moves, additions, and changes of the telecommunications and low voltage cabling infrastructure

authority: The Health Authority, Interior Health, the owner, IHA.

backbone: a facility (i.e. pathway, cable, or conductors) between telecommunications closets, or floor distribution terminals, the entrance facilities, and the equipment rooms within or between buildings.

BIX block: a type of punch block used to connect sets of CAT 3, 5e, or 6 wires in a structured cabling system for telephony

bonding: a low impedance path obtained by permanently joining all non-current-carrying metal parts to assure electrical continuity and having the capacity to conduct safely any current likely to be imposed on it.

building code: the most current issue of the British Columbia building code, local by-laws and amendments issued by other authorities having jurisdiction.

cable: an assembly of one or more conductors or optical fibers with an enveloping sheath, constructed so as to permit use of the conductors singly or in groups.

cable sheath: a covering over the conductor assembly that may include one or more metallic members, strength members, or jackets.

cable tray: a type of raceway

cabling: a combination of all cables, wire, cords, and connecting hardware.

campus: the building and grounds of a complex; i.e., a university, college, industrial park, government establishment, or military establishment.

channel: the end-to-end transmission path between two points at which application-specific equipment is connected.

coax: electrical cable with an inner conductor surrounded by a tubular insulating layer typically of a flexible material covered with a thin insulating layer on the outside.

CommScope AMP NetConnect: Formerly Tyco Electronics, AMP

conduit: a raceway of circular cross-section of the type permitted under the electrical code and this Profile. Includes EMT (electrical-metallic tubing) conduit.

connecting hardware: a device providing mechanical cable terminations.

consolidation point: a location for interconnection between horizontal cables that extend from building pathways, and horizontal cables that extends into work area pathways.

cord, telecommunications: a cable using stranded conductors for flexibility, as in distribution cords or line cords.

cross-connect: a facility enabling the termination of cable elements and their interconnection, and/or cross-connection, primarily by means of a patch cord or jumper.

cross-connection: a connection scheme between cabling runs, subsystems, and equipment using patch cords or jumpers that attach to connecting hardware on each end.

customer premises: building(s) with grounds and belongings under the control of the customer.

Data Communications Cabling System: the cable used to connect data network devices together (copper and fiber), as well as termination hardware, cable support systems, and communications rooms.

demarcation point: a point where the operational control, or ownership changes.

device (as related to a workstation): an item such as a telephone, computer, graphic or video terminal.

distribution frame: a structure with terminations for connecting the permanent cabling of a facility in such a manner that inter-connection or cross-connections may readily be made.

duct:

a) a single enclosed raceway for wires or cables. See also conduit, raceway;
b) a single enclosed raceway for wires or cables usually buried in soil or concrete;
c) an enclosure in which air is moved. Generally part of the HVAC system of a building.

Electrical code: the most current edition of the Canadian Electrical Code, BC amendments, Safety Standards, local by-laws and amendments issued by other authorities having jurisdiction.

entrance facility, telecommunications: an entrance to a building for both public and private network service cables (including antennae) including the entrance point at the building wall and continuing to the entrance room or space.

entrance point, telecommunications: the point of emergence of telecommunications conductors through an exterior wall, a concrete floor slab, or from a rigid metal conduit or intermediate metal conduit.

entrance room or space, telecommunications: a space in which the joining of inter- or intra-building telecommunications backbone facilities takes place. An entrance room may also serve as an equipment room.

equipment cable (cord): a cable or cable assembly used to connect telecommunications equipment to horizontal or backbone cabling.

equipment room, telecommunications: a centralized space for telecommunications equipment that serves the occupants of the building. An equipment room is considered distinct from a telecommunications closet because of the nature or complexity of the equipment.

ground: a connection to earth obtained by a grounding electrode.

headwall outlet: consists of 3 faceplates.

a) one *patient monitoring outlet* mounted at approximately 2000 AFF on the nurse side of the headwall,
b) one faceplate mounted in the headwall (usually at 1150 AFF) with one *allocated* black CAT 6/6A data port in the top left port, others left blank, on the nurse side near the electrical outlets and
c) one faceplate mounted horizontally inline with b) with 2 *allocated* black CAT6A ports, others left blank on the non-nurse side of the headwall, near the electrical outlets.

HDPEI: a corrugated, flexible duct, typically of 1 to 3" diameter, made of High Density Polyethylene used to protect fiber optic cabling.

horizontal cabling: the cabling between, and including, the telecommunications outlet/connector and the horizontal cross-connect.

horizontal cross-connect: a cross-connect of horizontal cabling to other cabling, i.e., horizontal, backbone, or equipment.

hybrid cable: an assembly of two or more cables (of the same, or different types or categories) covered by one overall sheath.

install: synonymous with provide

Interior Health, IHA, IH and owner: refer to the Authority.

infrastructure, telecommunications: a collection of those telecommunications components, excluding equipment, that together provides the basic support for distribution of all information within a building or campus.

interconnection: a connection scheme that provides for the direct connection of a cable to another cable or to an equipment cable without a patch cord or jumper.

intermediate cross-connect: a cross-connect between first level and second level backbone cabling.

jumper: an assembly of twisted wires without connectors, used to join telecommunications circuits/links at the cross-connect.

keying: the mechanical feature of a connector system that guarantees correct orientation of a connection, or prevents the connection to a jack, or to an optical fiber adapter of the same type intended for another purpose.

link: a transmission path between two points, not including terminal equipment, work area cables, and equipment cables.

main cross-connect: a cross-connect for first level backbone cables, entrance cables, and equipment cables.

media, telecommunications: wire, cable, or conductors use for telecommunications

modular jack: a telecommunications female connector. A modular jack may be keyed or unkeyed, and may have six or eight contact positions, but not all positions need to be equipped with jack contacts.

modular plug: a telecommunications male connector for wire or cords. A modular plug may be keyed or unkeyed, and may have six or eight contact positions, but not all the positions need be equipped with contacts.

multimode optical fiber: an optical fiber that will allow many bound modes to propagate. The fiber may be graded-index or step-index fiber. See, also, optical fiber cable.

multi-media telecommunications outlet assembly: a grouping in one location of several telecommunications outlets/connectors.

NTS: Interior Health Authority's Networks and Telecommunications department

open office: a floor space division provided by furniture, movable partitions, or other means, instead of building walls.

optical fiber cable: an assembly of one or more optical fibers.

optical fiber duplex connector: a mechanical media termination device designed to transfer optical power between two pairs of optical fibers.

outlet box, telecommunications: a metallic or non-metallic deep box mounted within a wall, floor, or ceiling, used to hold telecommunications outlet/connectors, or transition devices.
outlet/connector, telecommunications: a connecting device in the work area, on which the horizontal cable terminates.

patch cord: a length of cable with connectors on one or both ends used to join telecommunications circuits/links at the cross-connect.

patch panel: a cross-connect system of mateable connectors that facilitates administration.

patient infotainment/entertainment outlet: a 4-port faceplate. Top left port is populated with an allocated blue CAT 6/6A data port, top right is populated with a RG-6 coax connection, bottom left is reserved for nurse call connection in patient rooms, left blank in non-patient rooms, bottom right is left blank.

patient monitoring outlet: a 4-port faceplate. Top 2 ports are populated with red *allocated* CAT 6/6A ports, bottom 2 ports are left blank for future.

pathway: a facility for the placement of telecommunications cable.

premise: the facilities, leased or owned by the Authority, where Work is to be performed.

Prime Consultant, Contractor, and Bidder: the individual, sole proprietorship, partnership or corporation responsible for delivery of the project or Work and/or written authority to do Work.

provide: to supply and install.

pull strength: see pull tension.

pull tension: the pulling force that can be applied to a cable without affecting specified characteristics of the cable.

raceway: any channel designed for holding wires, cables, or busbars, and, unless otherwise qualified in the rules of the CE Code, the term includes conduit (rigid and flexible, metallic and non-metallic), electrical metallic and non-metallic tubing, under floor raceways, cellular floors, surface raceways, wireways, cable trays, busways, and auxiliary gutters.

riser: the pathway to link multiple communication rooms, closets, satellites, and/or floors.

single-mode optical fiber: an optical fiber that will allow only one mode to propagate; such fiber is typically a step-index fiber.

site: synonymous with Premise.

space, telecommunications: an area used to house the installation and termination of telecommunications equipment and cable, i.e., telecommunications closets, work areas, and access holes/handholes.

splice: a joining of conductors, meant to be permanent, generally from different sheaths.

splice closure: a device used to protect a cable or wire splice.

star topology: a topology in which each telecommunications outlet/connector is directly cabled to the distribution device.

supply: means supply only; no other material or labour cost is involved.

switch port: An active port on a network switch in the MCC, BCC, or TR that can be connected to a data jack to change the status of a data jack from unallocated to allocated.

telecommunications: any transmission, emission, or reception of signs, signals, writings, images, and sounds, that is information of any nature by cable, radio, optical, or other electromagnetic systems.

telecommunications closet: an enclosed space for housing telecommunications equipment, cable terminations, and cross-connect cabling. The closet is the recognized location of the cross-connect between the backbone and horizontal facilities.

telecommunications grounding busbar: a common point of connection for the telecommunications system and bonding to ground; located in the telecommunications closet or equipment room.

telecommunications outlet: a 4-port faceplate. Top 2 ports are populated with black *allocated* CAT 6/6A ports, bottom left port is populated with black *unallocated* CAT 6/6A port, and bottom right port is left blank for future.

terminal:

a) a point at which information may enter or leave a communications network; or
b) the input-output associated equipment; or
c) a device by means of which wires may be connected to each other.

topology: the physical or logical arrangement of a telecommunications system.

unallocated data port or data jack: A CAT6A cable that has been installed, tested and certified with proper terminations at both the field and head ends and does not have a provisioned network switch port in the same rack in the communications room, but has the ability to become active if required post substantial completion and/or construction.

work: means the furnishings of all labour, material and equipment to perform the services described in this document.

work area (work station): a building space where the occupants interact with a workstation device(s).

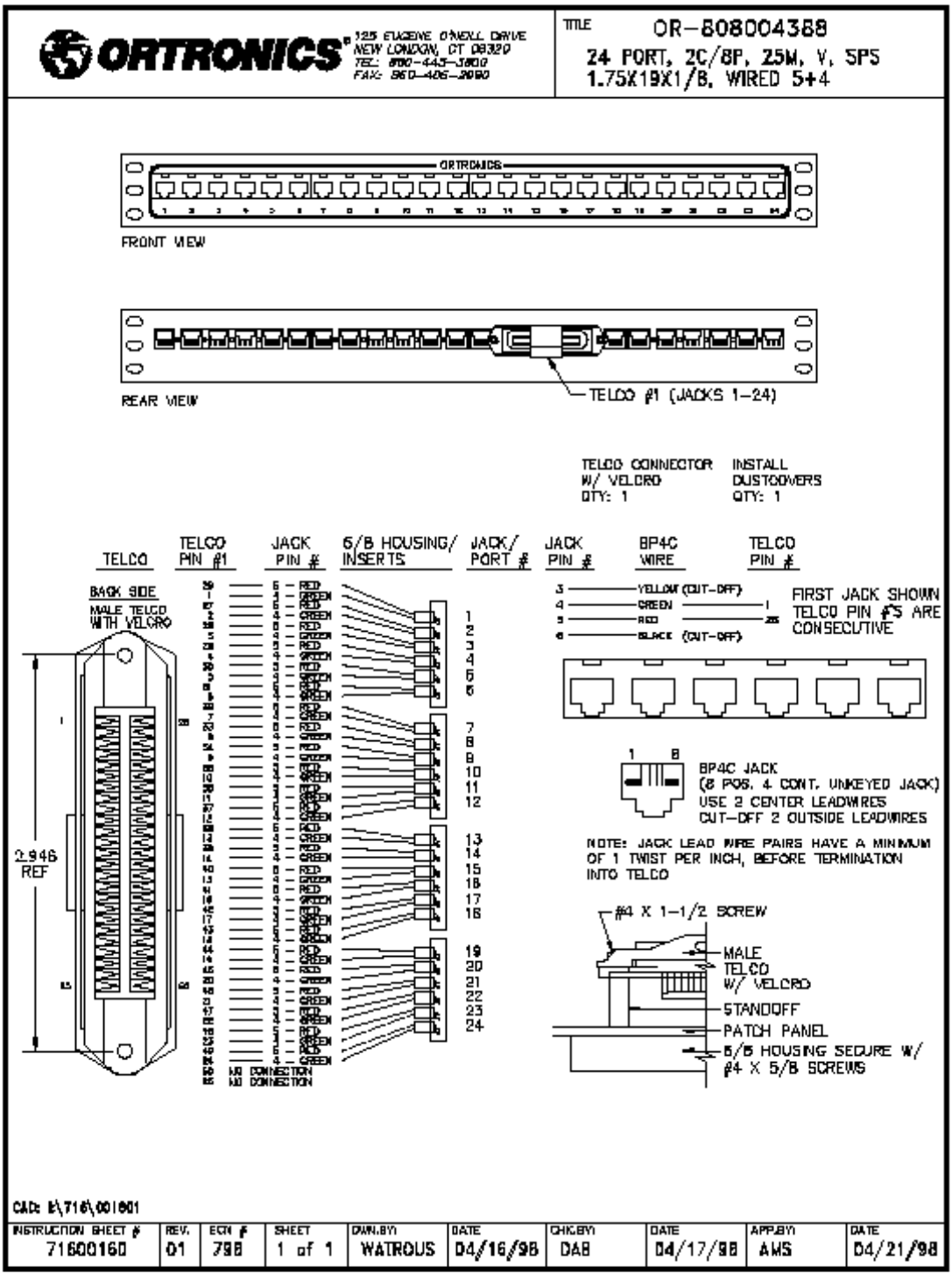
work area cable (cord): a cable assembly connecting the telecommunications outlet/connector with the terminal equipment.

Zoned Cabling: multiple cables of the same length terminating at a central transfer point for distribution to individual workstation locations.

APPENDIX 3 – CURRENT TECHNOLOGIES

Technology	Manufacturer	Vendor
Cable Infrastructure	COMMSCOPE AMP NETCONNECT	Any CommScope AMP NetConnect Certified Retailer
Security	Lenel	Chubb
Asset Tracking	Ekahau	Ekahau
Infant Abduction	HUGS	Terracom Systems
Clock System	Simplex	Simplex
Phone System	Avaya/Cisco	Telus
Network Switches	Hewlett-Packard	Various
Wireless	Cisco	Telus
Staff to Staff Communication	Vocera	Vocera
Nurse Call	Rauland	Terracom Systems
Nurse Call (PRH Campus)	Ascom	Houle
Patient Entertainment		Hospitality Networks
Patient Monitoring	Space Labs	Space Labs
Health Care Information System	Meditech	Connex
PACS	McKesson	McKesson Horizon
Desktop Computers/Laptops	Lenovo	IBM

APPENDIX 4 – PRODUCT SPECIFICATION SHEETS



Data Sheet

Cisco 5520 Wireless Controller

Optimized for 802.11ac Wave2 performance, the intent-driven Cisco DNA™ ready Cisco® 5520 Wireless Controller is a highly scalable, service-rich, resilient, and flexible platform that enables next-generation wireless networks for medium-sized to large enterprise campus and branch deployments.

Product Overview

The Cisco 5520 Wireless Controller provides centralized control, management, and troubleshooting for high-scale deployments in service provider and large campus deployments. It offers flexibility to support multiple deployment modes in the same controller: for example, centralized mode for campus, Cisco FlexConnect™ mode for lean branches managed over the WAN, and mesh (bridge) mode for deployments where full Ethernet cabling is unavailable. As a component of the Cisco Unified Wireless Network, this controller provides real-time communications between Cisco Aironet® access points, the Cisco Prime® Infrastructure, and the Cisco Mobility Services Engine, and is interoperable with other Cisco controllers.

The Cisco Digital Network Architecture (Cisco DNA) is an open and extensible, software-driven architecture that accelerates and simplifies your enterprise network operations. The programmable architecture frees your IT staff from time-consuming, repetitive network configuration tasks so they can focus instead on innovation that positively transforms your business. SD-Access, as part of Cisco DNA, enables policy-based automation from edge to cloud with foundational capabilities. Cisco DNA Assurance, also part of Cisco DNA, provides a single source to monitor, modify, and manage your network and application data.

Figure 1. Cisco 5520 Wireless Controller

Features and Benefits

The Cisco 5520 Wireless Controller, optimized for 802.11ac Wave2 performance, high scale, and enhanced system uptime, supports:

- Intent-driven programmability and streaming telemetry.
- Subsecond access point and client failover for uninterrupted application availability.
- Extraordinary visibility into application traffic, using Cisco Application Visibility and Control (AVC), the technology that includes the Network-Based Application Recognition 2 (NBAR2) engine, Cisco's Deep Packet Inspection (DPI) capability. This allows to mark, prioritize, and block to conserve network bandwidth and enhance security. Customers can optionally export the flows to Cisco Prime Infrastructure or a third-party NetFlow collector.

Product Specifications

COMMSCOPE®

1375292-1

RJ45 Patch Panel Modular Assembly, RJ45, unshielded, unloaded, 48-port

Configuration Features

Custom Configurable	Yes
Front Connector Type	RJ45
Port Capacity	48
Preloaded	No

Dimensions

Height	88.900 mm | 3.500 in
Rack Width	482.60 mm | 19.00 in

Mechanical Attachment

Mounting Style	Rack-Mount

Operation/Application

Accepts	SL Series Inserts
AMPTRAC Enabled	No

Other

UCP Product	No

Product Availability

Region	Asia | Latin America | North America

Product Type Features

Product Type	Patch Panel
System	AMP NETCONNECT
Panel Type	Unloaded Patch Panel
Product Category	RJ45 Patch Panel
Rack Units	2.0
Profile	Flat
Rack-Mounted	Yes
Shielded	No

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant

Ordering information

5D panels

Material ID	Product Code	Description
760231449	SD-1U	SD 1U sliding fiber panel, accepts (3) SD splice cassettes or ReadyPATCH MPO-LC modules, providing up to 36 duplex LC ports or up to 24 MPO ports
760231456	SD-2U	SD 2U sliding fiber panel, accepts (6) SD splice cassettes or ReadyPATCH MPO-LC modules, providing up to 72 duplex LC ports or up to 48 MPO ports
760231464	SD-4U	HD 4U sliding fiber panel, accepts (12) SD splice cassettes or ReadyPATCH MPO-LC modules, providing up to 144 duplex LC ports or up to 96 MPO ports
760231472	SD-1U-FX	SD 1U fixed fiber panel, accepts (3) SD splice cassettes or ReadyPATCH MPO-LC modules, providing up to 36 duplex LC ports or up to 24 MPO ports
760231480	SD-2U-FX	SD 2U fixed fiber panel, accepts (6) SD splice cassettes or ReadyPATCH MPO-LC modules, providing up to 72 duplex LC ports or up to 48 MPO ports
760231498	SD-4U-FX	SD 4U fixed fiber panel, accepts (12) SD splice cassettes or ReadyPATCH MPO-LC modules, providing up to 144 duplex LC ports or up to 96 MPO ports

5D Splice Cassette

New Material ID	Product Code	Description
760221739	PNL-CS-12LCX-PT	Splicing cassette, 12 LC LazrSPEED, 900µm
760221747	PNL-CS-12LCW-PT	Splicing cassette, 12 LC TeraSPEED, 900µm
760221697	PNL-CS-24LCX-PT	Splicing cassette, 24 LC LazrSPEED, 900µm
760221705	PNL-CS-24LCW-PT	Splicing cassette, 24 LC TeraSPEED, 900µm
760221770	PNL-CS-12SCX-PT	Splicing cassette, 12 SC LazrSPEED, 900µm
760221788	PNL-CS-12SCW-PT	Splicing cassette, 12 SC TeraSPEED, 900µm

PRODUCT DATA SHEET

EZ-Path® FIRE RATED PATHWAY

EZ-PATH® SERIES 44+ FIRE RATED PATHWAY

APPLICATIONS

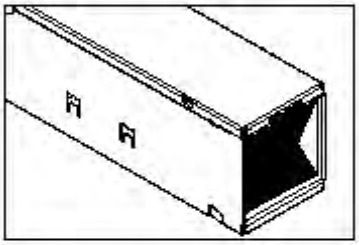
EZ-PATH® Series 44+ Fire Rated Pathway is designed for easy installation in floors and walls. Tested and approved cable capacities range from 0 to 100% visual fill. EZ-PATH® Series 44+ Fire Rated Pathway when installed with available single wall plates is designed for new cable installations. In these installations, the device does not require mechanical attachment to either the wall or the wall framing and must be installed after the wallboard has been installed. Split floor plates and multi-gang wall and floor brackets permit installation around previously installed cables if so desired. These installations require mechanical attachment to the barrier. A list of available accessories along with their intended use is shown on page 2 under available components.

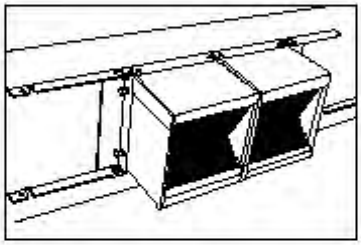
EZ-PATH® Series 44+ Fire Rated Pathway Fire Rated Pathway provides exceptional cable capacity. A single unit installed in a wall exceeds the cable carrying capacity of a 6" (152 mm) sleeve utilizing typical putty firestop systems (35% cable loading). Multiple ganged pathways utilizing available wall bracket kits provide additional capacity or segregation of cables by use, type, installer or vendor as desired.

PRODUCT DESCRIPTION

The EZ-PATH® Series 44+ Fire Rated Pathway is a pathway device designed to allow cables to penetrate fire-rated walls and floors without the need for firestopping. This device features a built-in fire and smoke sealing system that automatically adjusts to the amount of cables installed. Once installed in a fire barrier, cables can be easily added or removed at any time without the need to remove or reinstall firestopping materials.

The EZ-PATH® Series 44+ Fire Rated Pathway consists of an enclosed heavy gauge galvanized steel pathway lined with intumescent material engineered for rapid expansion when exposed to fire or high temperatures, quickly sealing the pathway and preventing the passage of flames and smoke. EZ-PATH® Series 44+ Fire Rated Pathway is painted safety orange for easy identification. Its compact square profile allows a maximum number of cables to be installed in a relatively small area. The pathway measures approximately 4" x 4 5/8" and is 14" long (102 x 118 x 356 mm) and can be increased by 6" (152mm) for every Series 44+ Extension module (EZD44ES) installed..





PERFORMANCE

EZ-Path® Series 44+ Fire Rated Pathway is UL Tested and Classified in accordance with ASTM E814 (UL1479) & CAN/ULC-S115. Systems are available for common floor and wall constructions with ratings up to and including 4 hours.

FEATURES & BENEFITS

- Easy to install.
- No firestopping required.
- Firestopped at all stages of use.
- UL Tested - Low Leakage!
- Acoustically Tested
- UL Classified for the complete range of its capacity.
- Interlocking design for easy gang installations.
- Permits cable segregation by use, type, vendor.
- More than TWICE the capacity of Standard EZ-Path 33.

SPECIFICATIONS

All data, video, and communications cable bundles shall utilize an enclosed fire rated pathway device wherever said cables penetrate rated walls and floors. The fire-rated pathway shall contain a built-in fire sealing system sufficient to maintain the hourly fire rating of the barrier being penetrated. The self-contained sealing system shall automatically adjust to the installed cable loading and shall permit cables to be installed, removed, or retrofitted without the need to remove or reinstall firestop materials. The pathway shall be UL Classified and/or FM Systems Approved and tested to the requirements of ASTM E814 (UL1479) & CAN/ULC-S115.

SPECIFIED DIVISIONS

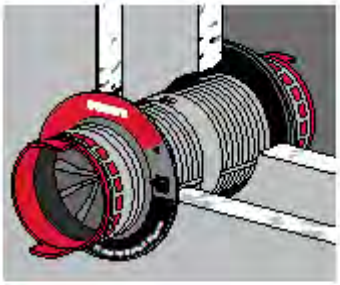
DIV. 7	07 84 00	Penetration Firestopping
DIV. 26	26 00 00	Electrical
DIV. 27	27 00 00	Communications

FIRESTOP DEVICE CERTIFIED FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS SEE UL ONLINE CERTIFICATIONS DIRECTORY.

INSTALLATION INSTRUCTIONS

EZ-Path® Series 44+ Fire Rated Pathway is designed for use in all common constructions. Single pathways and mounting hardware may be purchased separately or in complete kits. For multi-gang installations, pathways and appropriate mounting hardware must be purchased separately. Single pathways may be installed in either square or round openings. Ganged pathways are designed to be installed in either square or rectangular openings appropriately sized for the number of units desired (See Installation Instructions). In gypsum board walls where pathways are ganged, wall plates must be secured to the wall's internal studs.

SPEED SLEEVE CP 653



Product description
- Re-penetrable cable management device for electrical and telecom professionals

Product features
- Fast installation
- Easy penetration and re-penetration
- industry's best "Air Movement" ratings
- Low L-ratings
- Withstands the rigors of usage and time
- Can be installed in wall and floor applications
- Buy American Compliant
- May be "ganged" together

Areas of application
- Cable and cable bundles

For use with
- Concrete floor rated up to 3 hours
- Gypsum walls rated up to 4 hours

Examples
- Electrical wiring
- Premise wiring
- Low voltage and datacom

Installation instructions
- See Hilti Literature or third-party listings for complete application and installation details

Technical Data

	2" (50 mm)	4" (102 mm)
OD (device only)	2.3" (60 mm)	4.3" (110 mm)
OD (flange)	4.7" (120 mm)	6.7" (170 mm)
ID	1.7" (48 mm)	3.6" (92 mm)
Total length	12.4" (315 mm)	12.4" (315 mm)
Weight (device and flanges)	1.5 lbs	2.6 lbs
Temperature resistance	-22° F to 212° F (-6° C to 100° C)	
Intumescent activation	Approx. 320° F (160° C)	
Expansion ratio (unrestricted)	1:40	
Metal	Steel with zinc coating	
Plastic	ABS	
Fabric	Glass-fiber	
Tested in accordance with	UL 1479 , ASTM E 814, CAN/ULC-S115	

FIRESTOP DEVICE
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS
(SEE UL FIRE RESISTANCE DIRECTORY XHDI)

FM APPROVED

Hilti Firestop
Saving lives
through innovation
and education

Tripp Lite
[illegible]
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

1.4kW Single-Phase ATS / Metered PDU, 120V (8 5-15R), 2 5-15P, 100-127V Input, 2 12ft Cords, 1U Rack-Mount, TAA

MODEL NUMBER: **PDUMH15AT**

Highlights

- Single phase 15A 120V Auto Transfer Switch / ATS PDU
- Enables redundant A/B power option for single-corded network devices
- Separate primary & secondary inputs connect to any two compatible power sources
- 1U horizontal rackmount; 2 NEMA 5-15P inputs; 8 NEMA 5-15R outlets
- Two digit visual current meter reports equipment load in amps; Upgrade options available
- TAA Compliant

Package Includes

- ATS / Metered PDU with attached 5-15P primary input cord
- Detachable C13 to NEMA 5-15P 12 ft / 3.6m secondary input cord
- 1U rackmount installation brackets
- User manual with warranty information

Description

Tripp Lite Metered ATS / Auto Transfer Switch provides a redundant power option for single-corded network devices. Dual input cords support separate connection to PRIMARY and SECONDARY power sources. The ATS will normally maintain continuous output to all outlets as derived from the primary input cable. If the primary power source becomes unstable or fails altogether, the ATS will switch over to the secondary power source until the primary input is restored and stable. Super-fast switchover between primary and secondary power sources occurs within milliseconds. ATS functionality is supported by any two compatible AC power sources, regardless of phase angle, to support a variety of advanced redundant power networking applications. Enables fault tolerant hot-swappable UPS protection when used with a single UPS and fully redundant UPS protection when each cord is connected to a separate UPS system. In a two-UPS environment, the primary input cable must be supported by a full time sine wave UPS with zero transfer time. Tripp Lite SmartOnline series is highly recommended for use as the primary UPS in a two-UPS application. ATS configurations utilizing separate mains circuits, backup generators and even separate utility power grid feeds are fully supported. On-board ATS processor constantly evaluates power quality on both input sources to prevent transfer to the secondary source when unavailable or of lower quality than the primary source. Front input LED's display primary or secondary power availability.

Features

- Federal Trade Agreements Act / TAA compliant for GSA schedule purchases
- 120V 15A Automatic Transfer Switch (ATS) / Metered PDU (Agency de-rated to 12A continuous)
- Provides a redundant A/B power option for non-redundant networking equipment with a single input power cord
- Digital display continuously reports total output power consumption in amps
- 1U horizontal rackmount form factor; 14.5 in. / 36.8 cm depth
- 8 built-in NEMA 5-15R outlets
- Set of two 12 ft. / 3.6m NEMA 5-15P input cables support connection to separate PRIMARY and SECONDARY power sources
- ATS circuits normally maintain output sourced from the primary input cable; As primary input power fails or becomes unstable, the ATS will switch to maintain output sourced from the secondary input cable until power on the primary input is restored and stable
- ATS configurations enable fault-tolerant, hot-swappable UPS protection when used with a single UPS and fully redundant UPS protection when each cord

1 / 4

Tripp Lite
Chicago, IL 60609 USA
Telephone: 773.869.1234

5/5.8kW Single-Phase 208/240V Basic PDU, 10 C13 Outlets, NEMA L6-30P Input, 12 ft. Cord, 1U Rack-Mount

MODEL NUMBER: **PDUH30HV**





Highlights

- NEMA L6-30P input with 12 ft. (3.6 m) power cord
- 10 total C13 outlets—8 rear and 2 front
- Switchless design prevents accidental shutdown
- Reversible all-metal housing
- Dual 20A circuit breakers protect against overloads

Package Includes

- PDUH30HV 5/5.8kW Single-Phase 208/240V Basic PDU
- Mounting hardware
- Owner's manual

Description

The PDUH30HV 5/5.8kW Single-Phase 208/240V Basic PDU is a versatile no-frills unit for data centers, server rooms and network wiring closets. Perfectly suited for high-density IT environments, the PDUH30HV features 10 total outlets—two in front and eight in the rear. The NEMA L6-30P input plug with 12-foot (3.6 m) cord connects to your facility's compatible AC power source, generator or protected UPS to distribute power to connected equipment.

The switchless design prevents an accidental shutdown, which could lead to costly downtime. Dual 20A circuit breakers protect connected equipment from dangerous overloads. The reversible all-metal housing supports a variety of mounting options, including 1U horizontal or 0U vertical mounting in EIA-standard 19-inch racks, under a counter or on a wall or workbench.

Features

Reliable Single-Phase 30A 208/240V Power Distribution

- Ideal no-frills PDU for data centers, server rooms and network wiring closets
- 10 total C13 outlets—8 rear and 2 front
- NEMA L6-30P input plug with 12 ft. (3.6 m) power cord
- Rear-panel grounding lug
- Dual 20A circuit breakers protect against overloads

Switchless Design

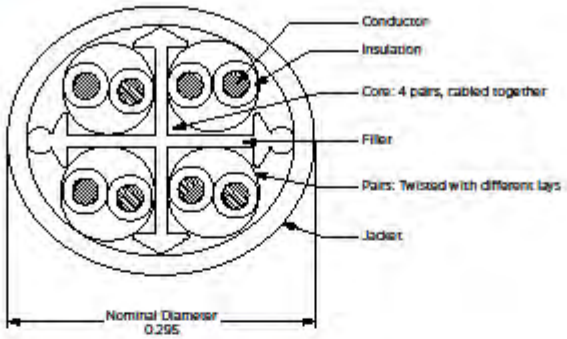
- Prevents accidental shutdowns and costly downtime

Versatile Installation Options

- Reversible all-metal housing faces front or rear in rack
- Supports 1U horizontal or 0U vertical mounting in EIA-standard 19 in. racks
- Also mounts on wall, workbench or under a counter

1 / 3

COMMSCOPE®



640 Series CMR Cat 6_A UTP Cable

TE640R

Description

CommScope's 640 Series UTP cable enables 10 Gigabit Ethernet performance with an industry-low outside diameter. The 640 Series Category 6_A cables exceed ANSI/TIA-568-C Category 6_A and ISO/IEC 11801 Category 6_A performance requirements by significant margins on all parameters. The CommScope Category 6_A System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet (1000BASE-Tx), 10/100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog and digital video and analog and digital voice (VoIP). CommScope's 640 cable also features a patented oblique elliptical offset filler to minimize alien crosstalk.

CommScope Category 6_A UTP cables are available in standard colors including white, gray, blue and yellow. Category 6_A Cables from CommScope feature lead-free jacketing. Packaging is on reels with standard putups being 1000 ft splice-free lengths.

Specification

Horizontal cabling shall be 23 AWG, 4-pair UTP, NEC/NFPA CMR rated and be independently verified for compliance. Cable jacketing shall be white, gray, blue or yellow and shall be lead-free. Cable shall exceed all ANSI/TIA and ISO Category 6_A requirements as well as meet the performance requirements listed in the table shown on page 2.

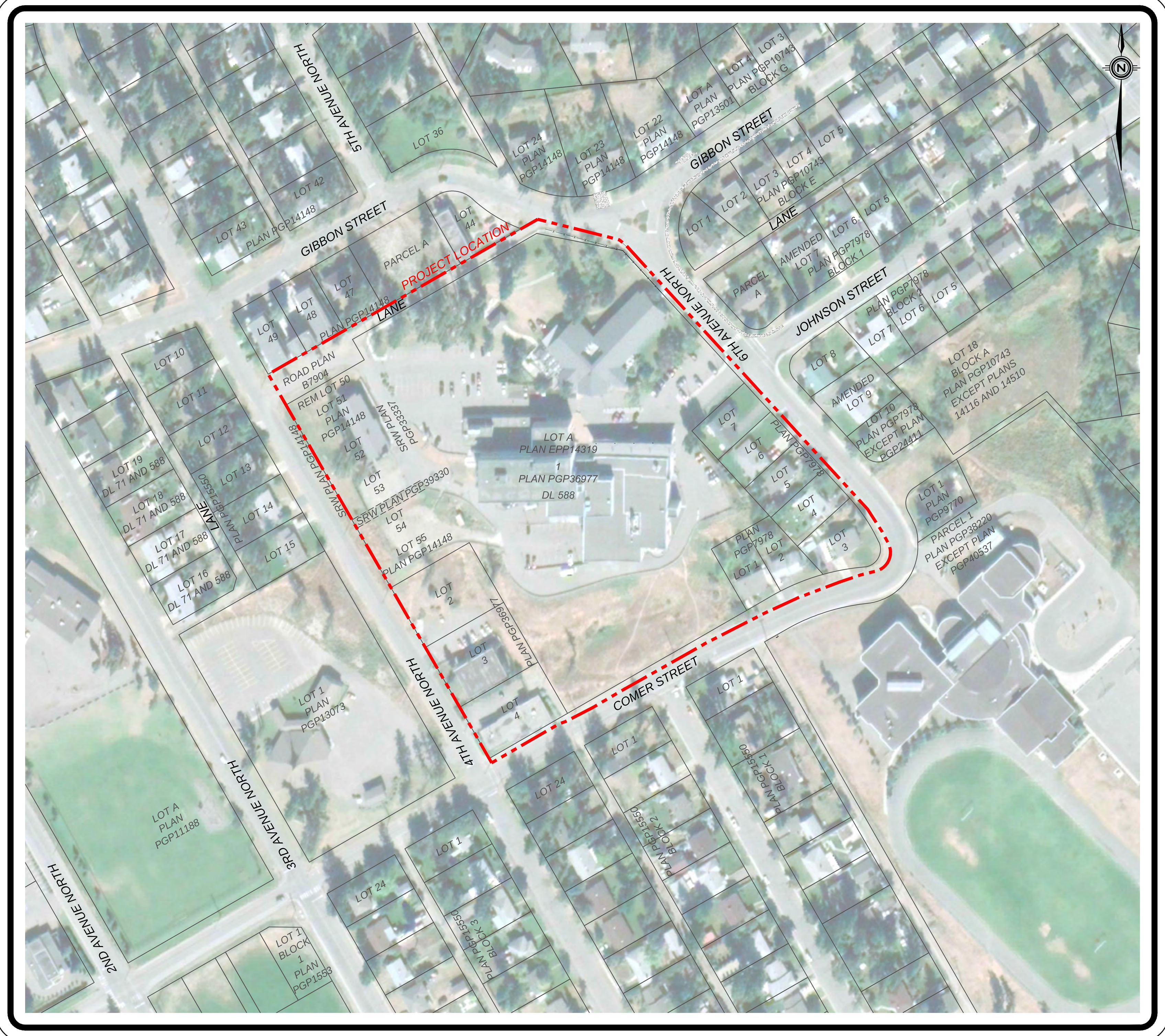
Cable performance shall be verified and characterized to 650 MHz. Cable shall be supplied on reels. Independent verification for flammability compliance shall be to NEC article 800 and NFPA 70; CMR ANSI/UL 1666. Horizontal cable shall be catalog number TE640R-XXYY, with all color options listed.

NOTES

Systems Responsibility Matrix

Cariboo Memorial Hospital (CMH) and New Facility

PA Section	IMIT, Communication & Security Systems	Systems Information: Current Vendor	Currently In Existing CMH	New Required in CMH	Required in New Facility	Integration Required (as per SoR)	Construction Period: System: Design	Specify	Procure	Install	Interface	System Programming & Commisioning	Integration with Existing System Campus Wide	Location Main Systems	Connection to CMH Campus	Initial supply of User Devices	Initial System Licenses/Warranty: Required	Term	Procured
	Pneumatic Tube System		N	Y	Y	N	DB/Auth	Auth	DB	DB	DB	DB	DB	CMH	N/A	DB	Y	1 Year	DB
	Integrated Automation Building Management System		Y	Y	Y	Y	DB/Auth	DB	DB	DB	DB	DB	DB	CMH	N/A	DB	Y	1 Year	DB
	Clock System	Rauland	Y	N	Y	N	DB	Auth	DB	DB	DB	DB	NA	CMH	RF Signal	DB	Y	N/A	DB
	Structured Cabling	AMP Netconnect	Y	Y	Y	N	DB	Auth	DB	DB	DB	DB	DB	CMH	Fiber/Copper	N/A	Y	N/A	DB
	Network Equipment	Hewlett Packard	Y	Y	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	DC1 & CMH	Fiber	DB	Y	1 Year	DB
	Telephony System	Avaya/Cisco	Y	Y	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	DC1 & CMH	Fiber/Copper	N/A	Y	1 Year	DB
	Auth's End-Use Equipment	Various	Y	Y	Y	Y	DB/Auth	Auth	DB	DB	N/A	DB	N/A	N/A	N/A	DB	Y	N/A	DB
	Wireless Infrastructure	Cisco	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	CMH	DB	DB	Y	1 Year	DB
	Nurse Call Systems	Rauland	Y	Y	Y	Y	DB	Auth	DB	DB	DB	DB	DB	CMH	Fiber	DB	Y	1 Year	DB
	Annunciation - Code Call	Rauland	Y	Y	Y	Y	DB	Auth	DB	DB	DB	DB	DB	N/A	Fiber	DB	Y	1 Year	DB
	Middleware - Connexall	Connexal	N	Y	Y	Y	DB	Auth	DB	DB	DB	DB	DB	DC1	LAN	N/A	Y	1 Year	DB
	Middleware - Unite, or other than Connexall	N/A	N/A	N/A	N/A	N/A	DB	DB	DB	DB	DB	DB	DB	CMH	LAN	N/A	Y	1 Year	DB
	Wireless Staff Communications Systems	Vocera	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	DC1	LAN	N/A	Y	1 Year	DB
	B3000N (or latest) badges and ext. life batteries	Vocera	Y	N	Y	Y	DB	Auth	DB	DB	DB	DB	DB	N/A	N/A	DB	Y	2 Year	DB
	Patient Monitoring and Telemetry System	Space Labs	Y	N	Y	N	DB/Auth	Auth/3rd Party	Auth	Auth	Auth	Auth	Auth	DC1 & CMH	Fiber	Auth	Y	1 Year	Auth
	Public Address System	TOA	Y	N	Y	Y	DB	DB	DB	DB	DB	DB	DB	CMH	Fiber/Copper	DB	Y	1 Year	DB
	Clinical Camera System	Lenel Compatible	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	DC1	Auth LAN	DB	Y	1 Year	DB
	Video Conferencing	Cisco/Polycom	Y	N	Y	N	DB/Auth	Auth	Auth	DB	Auth	Auth	Auth	DC1	Auth LAN	N/A	Y	1 Year	Auth
	Intercommunication System	Various	Y	N	Y	Y	DB/Auth	DB	DB	DB	DB	DB	N/A	New Facility	N/A	DB	Y	1 Year	DB
	Distributed Antenna System	Telus	Y	N	Y	N	DB/Auth	DB	DB	DB	DB	DB	N/A	New Facility		N/A	Y	1 Year	DB
	Radio System	N/A	N	Y	Y	N	DB/Auth	DB	DB	DB	DB	DB	N/A	CMH		DB	Y	1 Year	DB
	Fire Alarm System	Simplex	Y	N	Y	Y	DB	DB	DB	DB	DB	DB	DB	CMH	Fiber/Copper	DB	Y	1 Year	DB
	Electronic Security Systems																		
	Access Control	Lenel Compatible	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	DC1	Auth LAN	DB	Y	1 Year	DB
	Wired Panic System	Lenel Compatible	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	New Facility	Auth LAN	DB	Y	1 Year	DB
	Intrusion Detection	Lenel Compatible	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	New Facility	Auth LAN	DB	Y	1 Year	DB
	IP Video Surveillance	Lenel Compatible	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	DB	DC1	Auth LAN	DB	Y	1 Year	DB
	Real Time Location Systems																		
	Patient Wandering	Lenel Compatible	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	N/A	New Facility	Auth LAN	DB	Y	1 Year	DB
	Wireless Staff Duress	ELPAS	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	N/A	New Facility	Auth LAN	DB	Y	1 Year	DB
	Infant Protection System	HUGS/Lenel Compatible	Y	N	Y	Y	DB/Auth	Auth	DB	DB	DB	DB	N/A	New Facility	Auth LAN	DB	Y	1 Year	DB



LOCATION PLAN

SCALE 1:1500

DRAWING LIST

Sheet Number	Sheet Title
191-15588-00- 000	TITLE SHEET
191-15588-00- 001	EXISTING CONDITIONS PLAN
191-15588-00- 002	SITE PLAN
191-15588-00- 003	TURNING MOVEMENTS
191-15588-00- 004	GRADING PLAN AND SECTIONS
191-15588-00- 005	AMBULANCE AND EAST PARKING ENTRANCE PLAN & PROFILES

IBI GROUP
CARIBOO MEMORIAL HOSPITAL
APPENDIX 1G SITE SERVICES

"NOT FOR CONSTRUCTION"
FOR REVIEW 2020-12-03

DATE	REV	DESCRIPTION	BY	APPR.
2020-01-17	A	FOR REVIEW	EBF	KLW
2020-01-24	B	FOR REVIEW	EBF	KLW
2020-06-26	C	FOR REVIEW	EBF	KLW
2020-08-14	D	FOR REVIEW	EBF	KLW
2020-09-11	E	FOR REVIEW	EBF	KLW
2020-12-03	F	FOR REVIEW	EBF	KLW

DATE	REV	DESCRIPTION	BY	APPR.

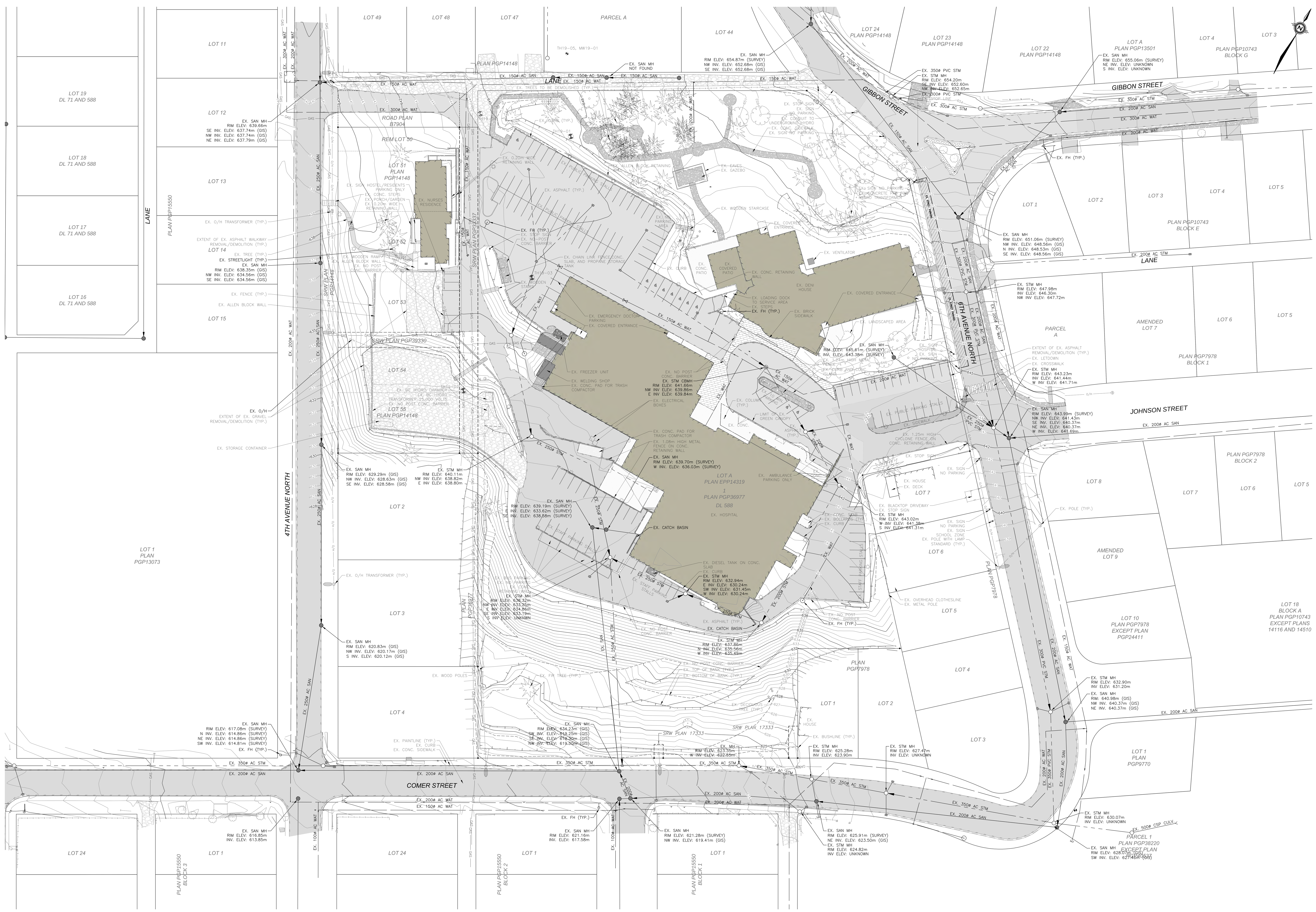
SCALE	1:1500
DATE	2020-01-17
APPROVED	KLW
DESIGN BY	EBF
DRAWN BY	EBF
CHECKED BY	KLW

#420-301 VICTORIA STREET, KAMLOOPS, BC, V2C 2A3
PHONE (250) 374-5252 FAX (250) 372-8336

IBI GROUP
CARIBOO MEMORIAL HOSPITAL
TITLE SHEET

REV. No. F
PROJECT No. 191-15588-00
DRAWING No. 000

N:\181-06889-00 Cariboo Memorial Hospital 2019\03 Cad_Sheets\000 TITLE SHEET.dwg Plotted 2 December 2020



PLAN

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DATE	REV	DESCRIPTION	BY	APPR.
2020-01-17	A	FOR REVIEW	EBF	KLW
2020-01-24	B	FOR REVIEW	EBF	KLW
2020-06-26	C	FOR REVIEW	EBF	KLW
2020-08-14	D	FOR REVIEW	EBF	KLW
2020-09-11	E	FOR REVIEW	EBF	KLW

DATE	REV	DESCRIPTION	BY	APPR.

EXISTING: SANITARY, STORM, WATER, IRRIGATION, FORCEMAIN, FENCE, UNKWN. PIPE, GAS, FIBER OPTIC, HYDRO, TELUS, CABLE, EDGE OF GUTTER, EDGE OF PAVEMENT, EDGE OF GRAVEL, TOP OF SLOPE, BOTTOM OF SLOPE, BUSHLINE, SWALE, DITCH, CULVERT, HEADWALL, SIGNAGE, SPOT ELEV., SANITARY MANHOLE, LIFTSTATION, SANITARY CLEANOUT, INSPEC. CHAMBER (SAN.), STORM MANHOLE, CATCHBASIN MANHOLE, CATCHBASIN, STORM CLEANOUT, INSPEC. CHAMBER (STM.), FIRE HYDRANT, AIR RELEASE, GATE VALVE, CAP W/ BLOW-OFF, CURB STOP, DAVIT LAMP, POST-TOP LAMP, POLE W/ GUYWIRE, TEST PIT, MONITORING WELL

PROPOSED: SANITARY, STORM, WATER, IRRIGATION, FORCEMAIN, FENCE, UNKWN. PIPE, GAS, FIBRE OPTIC, HYDRO, TELUS, CABLE, EDGE OF GUTTER, EDGE OF PAVEMENT, EDGE OF GRAVEL, TOP OF SLOPE, BOTTOM OF SLOPE, BUSHLINE, SWALE, DITCH, CULVERT, HEADWALL, SIGNAGE, SPOT ELEV., SANITARY MANHOLE, LIFTSTATION, SANITARY CLEANOUT, INSPEC. CHAMBER (SAN.), STORM MANHOLE, CATCHBASIN MANHOLE, CATCHBASIN, STORM CLEANOUT, INSPEC. CHAMBER (STM.), FIRE HYDRANT, AIR RELEASE, GATE VALVE, CAP W/ BLOW-OFF, CURB STOP, DAVIT LAMP, POST-TOP LAMP, POLE W/ GUYWIRE, TEST PIT, MONITORING WELL

MONUMENT, SURVEY HUB, SURVEY HUB, CABLE SERVICE BOX, TEL SERVICE BOX, HYDRO SERVICE BOX, HYDRO VAULT, LOW PROFILE TRANSFORMER, TELEPHONE VAULT

"NOT FOR CONSTRUCTION"
FOR REVIEW 2020-09-11

SCALE	1:500
DATE	2020-01-17
APPROVED	KLW
DESIGN BY	CMH
DRAWN BY	AIP
CHECKED BY	KLW

wsp

#420-301 VICTORIA STREET, KAMLOOPS, BC, V2C 2A3
PHONE (250) 374-5252 FAX (250) 372-8336

IBI GROUP
CARIBOO MEMORIAL HOSPITAL
EXISTING CONDITIONS PLAN

REV. No. E
PROJECT No. 191-15588-00
DRAWING No. 001

N:\181-06889-00 Cariboo Memorial Hospital 2019\03 Cad_Sheets\001 EXISTING CONDITIONS PLAN.dwg Plotted 10 September 2020

PARKING STALL
• 205 NEW
• 80 EXISTING
• 285 TOTAL

PLAN

1:500 0 10 30m

DATE	REV	DESCRIPTION	BY	APPR.
2020-12-03	0	FOR REVIEW - SHADING REMOVED FOR CLARITY	EBF	KLW

"NOT FOR CONSTRUCTION"
FOR REVIEW 2020-12-03

SCALE	1:500
DATE	2018-08-03
APPROVED	DSR
DESIGN BY	CMH
DRAWN BY	EBF
CHECKED BY	DSR

WSP
#420-301 VICTORIA STREET, KAMLOOPS, BC, V2C 2A3
PHONE (250) 374-5252 FAX (250) 372-8336
IBI GROUP

CARIBOO MEMORIAL HOSPITAL

SITE PLAN

REV. No. 0
PROJECT No. 191-15588-00
DRAWING No. 002

N:\181-06889-00 Cariboo Memorial Hospital 2019\03 Cad_Sheets\002 SITE PLAN.dwg Plotted 2 December 2020

TURNING MOVEMENTS

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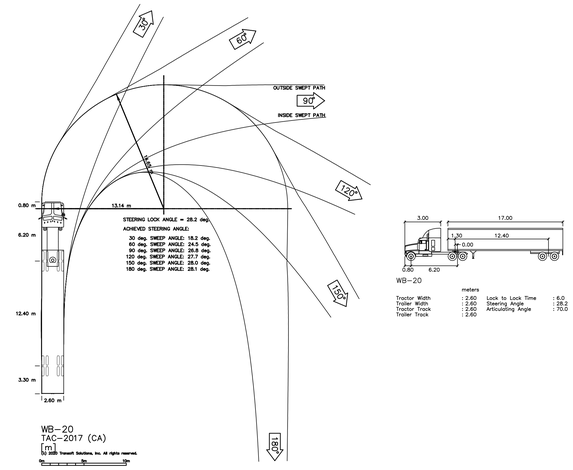
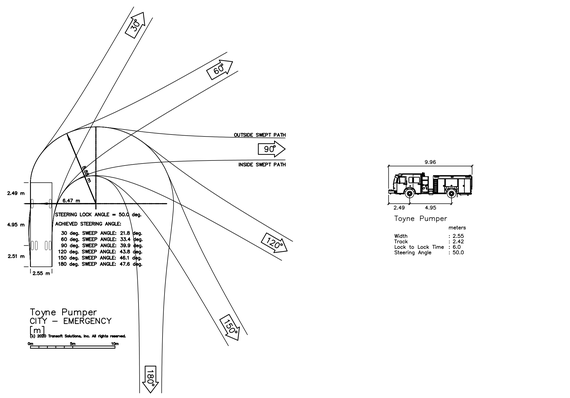


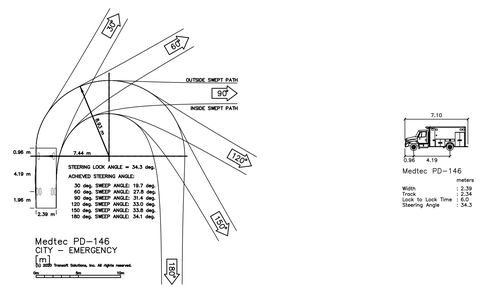
WB-20 TURNING MOVEMENT

SCALE 1:250



TOYNE PUMPER CITY - EMERGENCY VEHICLE TURNING MOVEMENT

SCALE 1:250



MEDTEC PD-146 TURNING MOVEMENT

SCALE 1:250

"NOT FOR CONSTRUCTION"
FOR REVIEW 2020-09-11

DATE	REV	DESCRIPTION	BY	APPR.
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2020-01-24	B	FOR REVIEW	EBF	KLW
2020-06-26	C	FOR REVIEW	EBF	KLW
2020-08-14	D	FOR REVIEW	EBF	KLW
2020-08-19	E	FOR REVIEW	VHN	KLW
2020-09-11	F	FOR REVIEW	EBF	KLW

DATE	REV	DESCRIPTION	BY	APPR.

EXISTING: SANITARY, STORM, WATER, IRRIGATION, FORCEMAIN, FENCE, GAS, FIBRE, HYDRO, TELUS, CABLE, UNKNOWN, BUSHLINE, EDGE OF PAVEMENT, EDGE OF GRAVEL, TOP OF SLOPE, BOTTOM OF SLOPE, SWALE, DITCH, CULVERT, HEADWALL, SIGNAGE, SPOT ELEV., SANITARY MANHOLE, LIFTSTATION, SANITARY CLEANOUT, INSPEC. CHAMBER (SAN.), STORM MANHOLE, CATCHBASIN, STORM CLEANOUT, INSPEC. CHAMBER (STM.), FIRE HYDRANT, AIR RELEASE, GATE VALVE, CAP W/ BLOW-OFF, CURB STOP, DAVIT LAMP, POST-TOP LAMP, POLE W/ GUYWIRE, TEST PIT, MONITORING WELL, MONUMENT, SURVEY HUB, HYDRO SERVICE BOX, TEL SERVICE BOX, HYDRO VAULT, LOW PROFILE TRANSFORMER, TELEPHONE VAULT

PROPOSED: SANITARY, STORM, WATER, IRRIGATION, FORCEMAIN, FENCE, GAS, FIBRE, HYDRO, TELUS, CABLE, UNKNOWN, BUSHLINE, EDGE OF PAVEMENT, EDGE OF GRAVEL, TOP OF SLOPE, BOTTOM OF SLOPE, SWALE, DITCH, CULVERT, HEADWALL, SIGNAGE, SPOT ELEV., SANITARY MANHOLE, LIFTSTATION, SANITARY CLEANOUT, INSPEC. CHAMBER (SAN.), STORM MANHOLE, CATCHBASIN, STORM CLEANOUT, INSPEC. CHAMBER (STM.), FIRE HYDRANT, AIR RELEASE, GATE VALVE, CAP W/ BLOW-OFF, CURB STOP, DAVIT LAMP, POST-TOP LAMP, POLE W/ GUYWIRE, TEST PIT, MONITORING WELL, HYDRO SERVICE BOX, HYDRO VAULT, LOW PROFILE TRANSFORMER, TELEPHONE VAULT

SCALE	AS NOTED
DATE	2020-01-17
APPROVED	KLW
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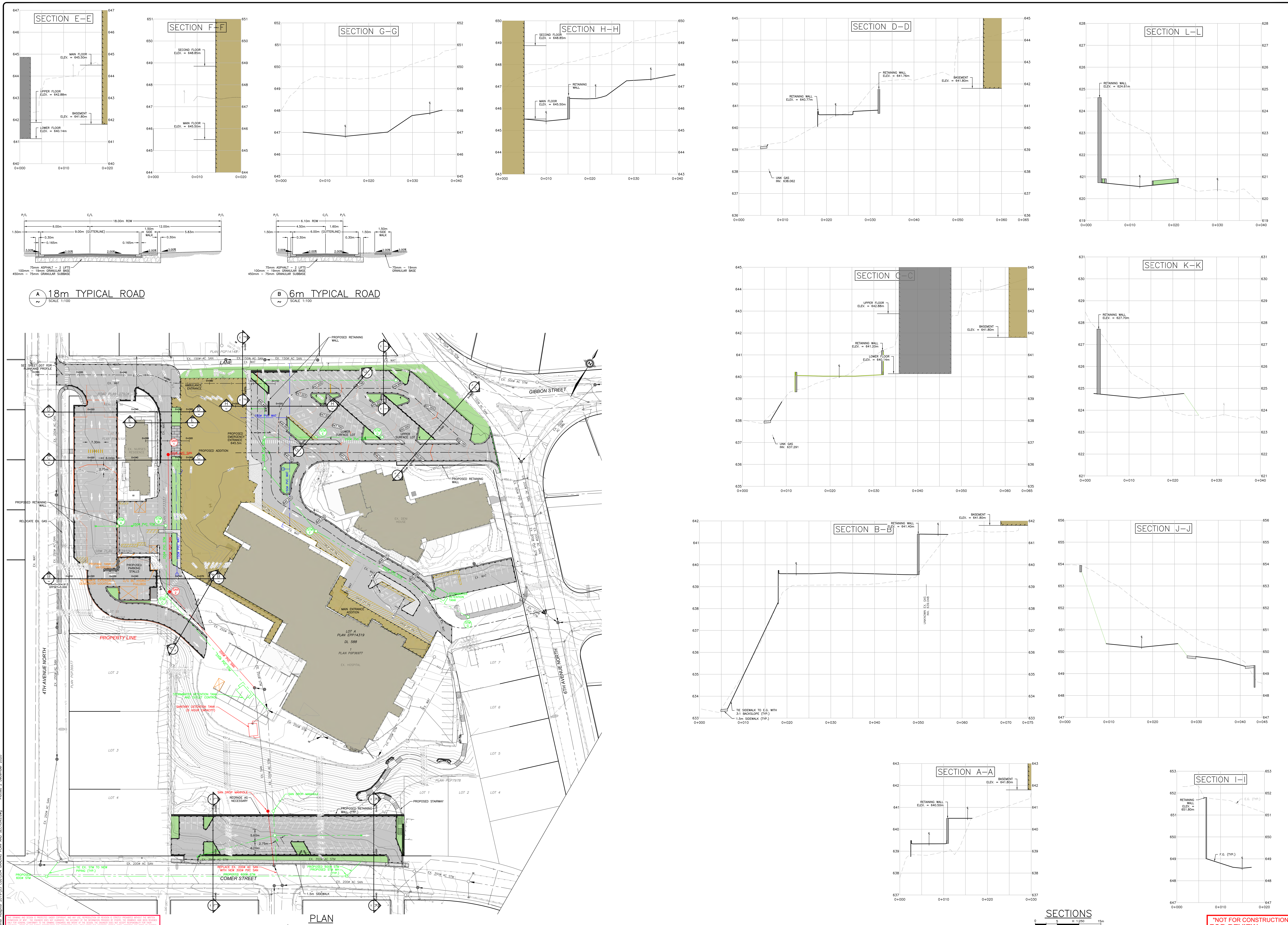
CARIBOO MEMORIAL HOSPITAL
TURNING MOVEMENTS

REV. No. F
PROJECT No. 191-15588-00
DRAWING No. 003

N:\191-06889-00 Cariboo Memorial Hospital 2019\03 Civil_Sheets\003 TURNING MOVEMENTS.dwg Plotted: 18 September 2020



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2020–08–14	C	FOR REVIEW	EBF	KLW
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CARIBOO MEMORIAL HOSPITAL
GRADING PLAN AND SECTIONS

REV. No. D
PROJECT No. 191–15588–00
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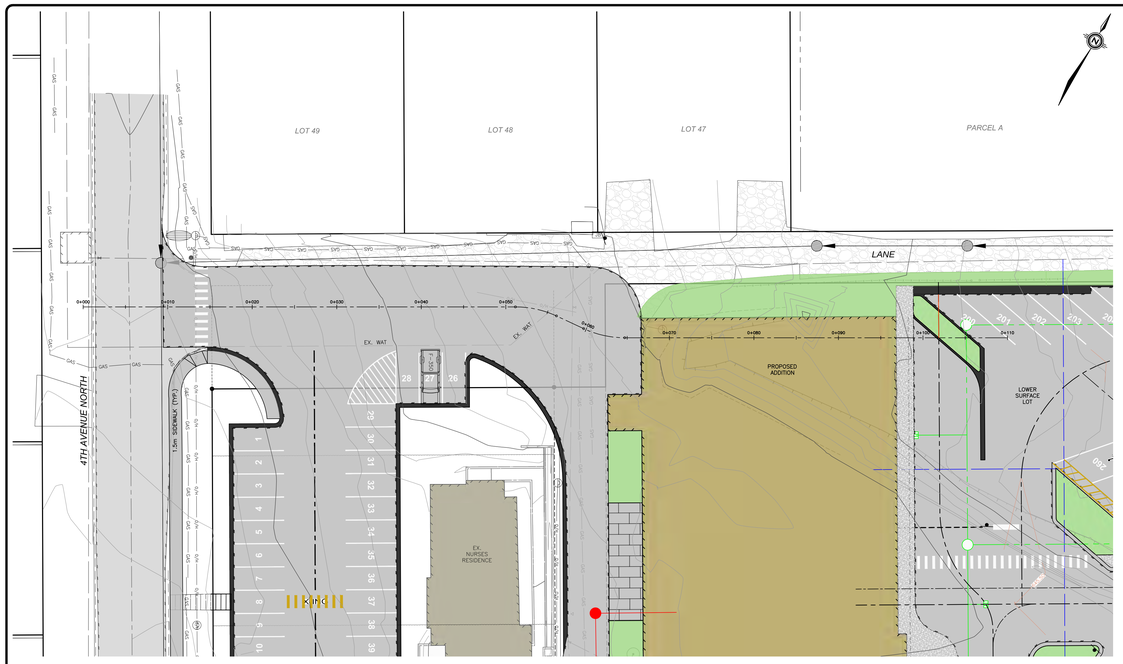
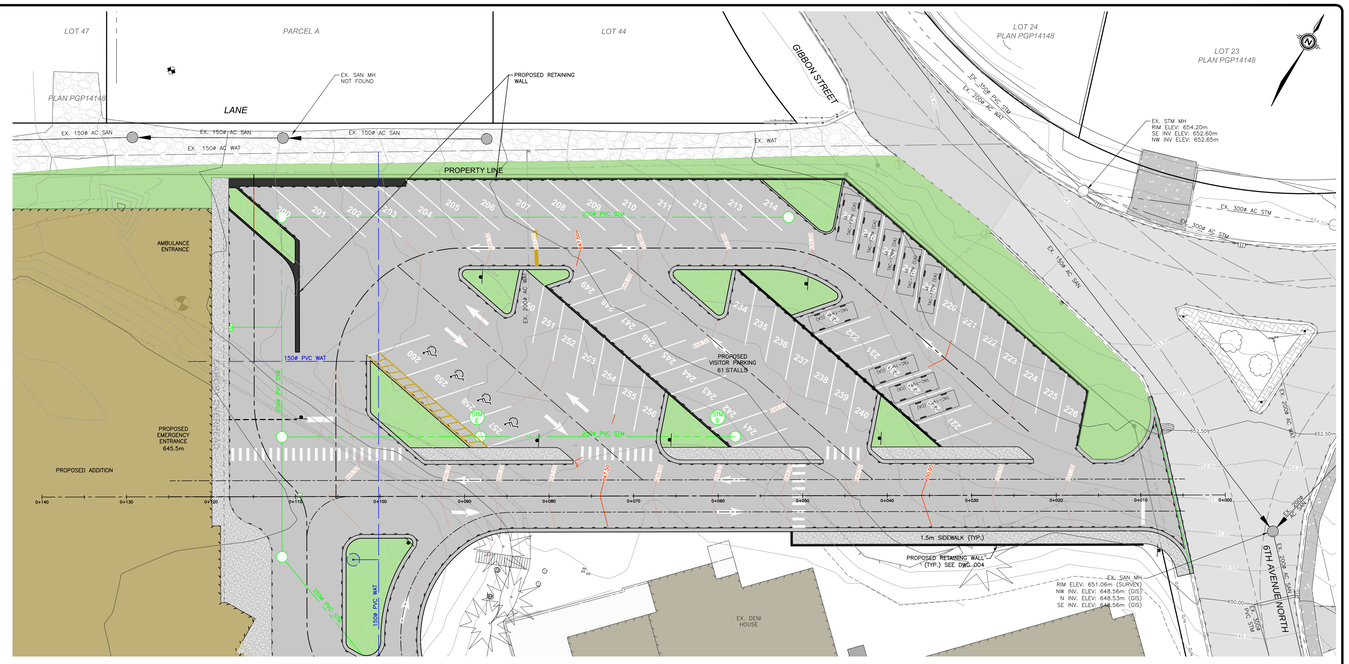


AMBULANCE ENTRANCE PLAN



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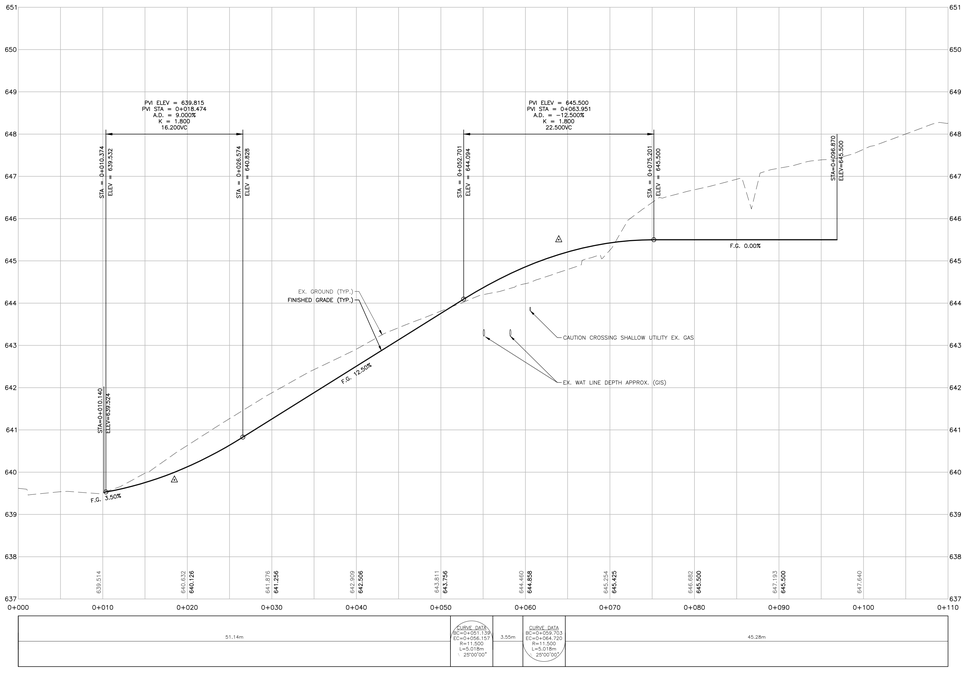

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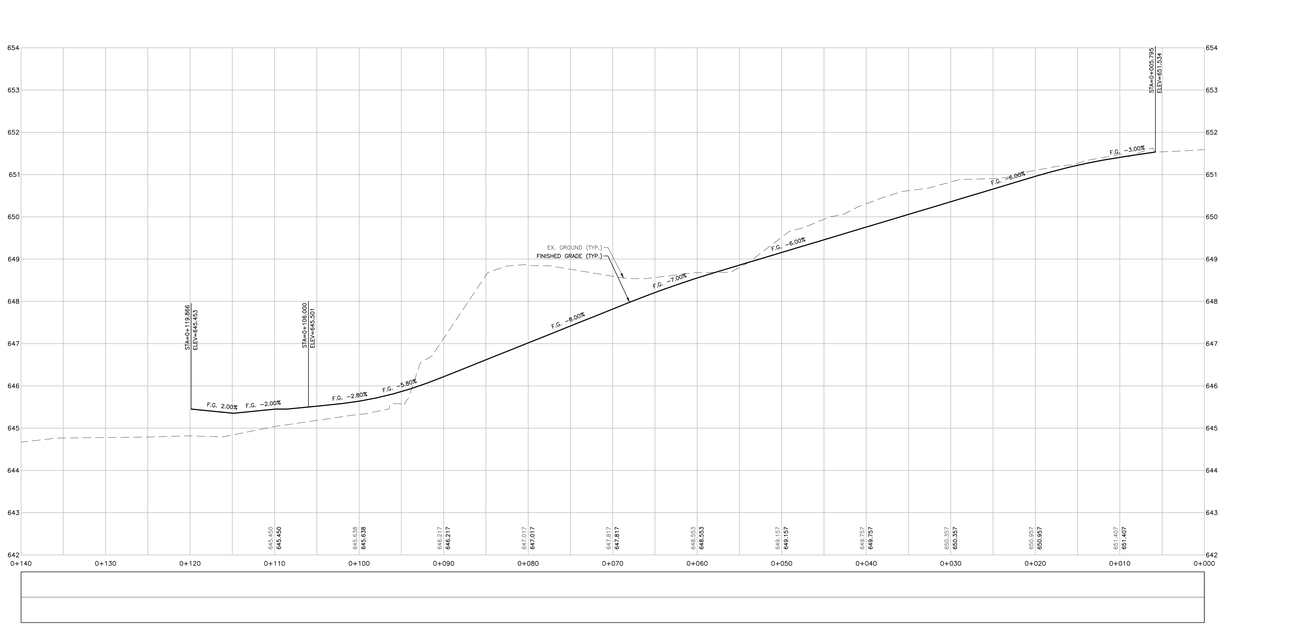

EAST PARKING ENTRANCE PROFILE

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"NOT FOR CONSTRUCTION"
FOR REVIEW 2020-09-11

DATE	REV	DESCRIPTION	BY	APPR.
2020-09-11	A	FOR REVIEW	EBF	KLW

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PROPOSED: SANITARY, STORM, WATER, IRRIGATION, FM FORCEMAIN, FENCE, GAS, FIBRE OPTIC, HYDRO, TELUS, CABLE, UNKNOWN, PIPE, EDGE OF GUTTER, EDGE OF PAVEMENT, EDGE OF GRAVEL, TOP OF SLOPE, BOTTOM OF SLOPE, BUSHLINE, SWALE, DITCH, CULVERT, HEADWALL, SIGNAGE, SPOT ELEV., SANITARY MANHOLE, LIFTSTATION, SANITARY CLEANOUT, INSPEC. CHAMBER (SAN.), STORM MANHOLE, CATCHBASIN MANHOLE, CATCHBASIN, STORM CLEANOUT, INSPEC. CHAMBER (STM.), FIRE HYDRANT, AIR RELEASE, GATE VALVE, CAP W/ BLOW-OFF, CURB STOP, DAVIT LAMP, POST-TOP LAMP, POLE W/ GUYWIRE, TEST PIT, MONITORING WELL, HYDRO VAULT, LOW PROFILE TRANSFORMER, TELEPHONE VAULT

MONUMENT, SURVEY HUB (EXISTING), SURVEY HUB (PROPOSED), CABLE SERVICE BOX, TEL SERVICE BOX, HYDRO SERVICE BOX

SCALE	AS NOTED
DATE	2020-09-11
APPROVED	KLW
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CARIBOO MEMORIAL HOSPITAL

AMBULANCE AND EAST PARKING ENTRANCE PLAN & PROFILES

REV. No. A
PROJECT No. 191-15588-00
DRAWING No. 005

N:\191-06899-00 Cariboo Memorial Hospital 2019\03 Civil_Sheets\007 EX. SIXTH AVENUE PLAN & PROFILE.dwg Plotted: 11 September 2020

Schedule 1 – Statement of Requirements

Appendix 1H – Staff Safety Guidelines for Interior Health / Northern Health Facility Design Projects

Staff Safety Guidelines For Interior Health Facility Design Projects

Created by
Workplace Health and Safety,
Capital Planning Projects and Protection Services

Created November 24, 2017
Revised March 6, 2020

Table of Contents

1. Design Philosophy and Scope

Interior Health (IH) supports the planning and design of our facilities to produce an environment of care that is safe for all occupants (clients, staff and visitors). The planning and design of the facility should include provisions for achieving the following objectives related to the health and safety:

- Current provincial and national ergonomic, violence prevention, building and fire codes and occupational health and safety regulatory standards are followed
- The built environment promotes wellness to all users
- The built environment works to mitigate physical, psychological and emotional risks to all occupants
- General “Crime Prevention through Environmental Design” (CPTED) principles are followed to support a safe environment

This document is intended to help guide planning and design decisions impacting staff health and safety for new construction and renovations. It is advised that the information in the guideline be implemented for new construction and major renovations. For all other renovation projects the information is to be considered. As standards are revised and upgraded on a regular basis, existing facility design is not expected to adhere to all of the recommendations found within this document. However, if an existing facility does undergo a renovation these guidelines are to be reviewed and consideration taken to implement within the redesign.
Note: In any case where the guidelines are not deemed appropriate or feasible, alternate options are to be determined and implemented to mitigate risk.

Interior Health safety consultation areas of responsibilities are:

Workplace Health and Safety	Protection Services
• Ergonomic design • Violence prevention design • Occupational hygiene design	• Violence prevention design • Security processes and system design

2. Health and Safety Consultation Process for Facility Design Projects

2.1 Health and Safety Consultation Process

Step 1

Determine if your project involves any high risk areas for staff health and safety design as outlined in section 3.

Step 2

1) If the project **DOES NOT** involve high risk areas for staff health and safety design, **the project design team** is to:
   a. Reference this document and incorporate the staff health and safety design specifications throughout all phases of design planning.
   b. The design team may consult with regional Human Resource Business Partner or Workplace Health and Safety Advisor and Protection Services for additional clarification at any design stage. WHS can share applicable resources and if feasible consult with IH Subject Matter Experts but will not sign-off on design plans at any stage of the project. If design plan sign-off is required, a qualified external consultant should be included in the project.

2) If the project **DOES** involve high risk areas for staff health and safety design, the project design team is to:
   a. Reference this document and incorporate the staff health and safety design specifications throughout all phases of design planning.
   b. Health and Safety consultation must occur. Consultation is dependent on the high risk topic and is to begin at the schematic and design development stages. An external consultant specific to the high risk topic is to work with the design team and fulfil this consultation piece.
   c. The design team may consult with regional Human Resource Business Partner, Workplace Health and Safety Advisor and Protection Services for additional clarification at any design stage. WHS can share applicable resources and if feasible consult with IH Subject Matter Experts but will not sign-off on design plans at any stage of the project. If design plan sign-off is required, a qualified external consultant should be included in the project.

Additionally,

3) The external consultant must have certificated designations and relevant experience in their field. The external consultant may contact Workplace Health and Safety Advisors if additional information is required.
4) All renovation projects must include a qualified professional to consult on identification and remediation of hazardous material such as asbestos, lead and other heavy metals, flammable and other toxic materials. More information on 2 of the most common hazardous materials can be retrieved from WorkSafeBC Safe Work Practices for asbestos and lead.
5) If the project involves technical commissioning of major equipment and mechanical systems, a qualified Occupational Hygienist is to be sourced and consultation added within the scope of the project.
6) As per Workers Compensation Act 130(g) the project is to consult with site Joint Occupational Health and Safety Committee (JOHSC) “to advise the employer on proposed changes to the workplace, including significant proposed changes to equipment and machinery, or the work processes that may affect the health or safety of workers”.

2.2 Workplace Health and Safety Input at Each Design Stage

Area	Stage of Design	Specific Requirements
Ergonomics	Planning	1. Request a summary of staff injury / incident reports from Workplace Health and Safety to identify potential high risk areas and known design implications. 2. Refer to this document to determine Workplace Health and Safety recommended equipment (e.g. section 4.3 – office workstations, section 5.4 – safe patient handling). Review equipment list to ensure staff safety equipment is incorporated. 3. If plans include ceiling lifts, reference the Interior Health Safe Patient Handling Policy and Ceiling Lift Allocations Guidelines and implement accordingly.
	Schematic Design	1. Review plans for ramps. Avoid ramps if at all possible. If not possible recommend ramp incline ratio that is safe for a healthcare environment (maximum 1/20 ratio or 2% grade) and recommend inclusion of midway step. 2. Essential corridor distances and turning radii dimensions shall be maintained. 3. If additional patient convoy equipment (e.g. Cardiac Operating Room patient transport to CSICU) required then promote wider corridors, room entrances and elevator widths.
	Design Development	1. Where ceiling lifts are located, ceiling layout plans shall be reviewed to determine lighting and other ceiling fixtures (e.g. HVAC, sprinklers) do not interfere with optimal ceiling lift gantry location. If charger location is a single point, charger location should be located to prevent carry bar damage/interference with key equipment (e.g. physiological monitors), does not interfere with circulation paths and that associated electrical plug for charger has been included at ceiling height. In open treatment bay areas, coordinate privacy curtain track design with ceiling tracks to ensure patient privacy can be maintained. 2. For workstation/mounted equipment heights/depths/widths, reaching distances and viewing distances implementation of anthropometric standards is required. Refer to section 4. If these ergonomic recommendations can't be implemented, rationale must be provided; the site must be formally made aware of the associated ergonomic risk factors. 3. Review door widths and door swings from both an ergonomic and workflow perspective. Refer to section 7 for recommendations. 4. Review light switch access and ensure switches are user friendly. Request a working sample of light switches from vendors and review the functionality with staff. Determine, with users, areas where flexible lighting levels are needed. 5. Review practical placements of cable, phone and computer data outlets and head wall requirements. In patient care areas, the electrical plugs accessed by staff are to be placed at the approximate height of 910mm (and not at the building code standard of 460mm height) wherever feasible. In office/team care station areas include some electrical and data above work surface counter for phone charging and equipment that may require data and electrical.

Area	Stage of Design	Specific Requirements
Occupational Hygiene and Safety	Schematic Design	1. Determine what areas will require maintenance of critical conditions (such as negative air rooms, dirty/clean laundry areas, reprocessing areas) and storage of toxic materials. 2. Determine any sources of outdoor contaminant to avoid infiltration into building and place intake/exhaust to avoid cross-contamination (e.g. loading docks, ambulance zone, parking zones even at a distance can create contaminant infiltration into building by wind/thermal inversions). 3. Air quality thermal standards and codes shall be in place. 4. Design shall incorporate effects of outdoor conditions on air rates/CO_2 levels specifically in extreme temperature situations involving air conditioning/heating system venting. 5. Determine any sources of hazardous product use and ensure adequate hygiene facilities (eye wash and showers) are in place.
	Design Development	1. Review of the Heating, Ventilation and Air Conditioning (HVAC) system design shall include all components such as condensate drains, water baffles, cooling towers. 2. Adequate access points into HVAC or Local Exhaust Ventilation (LEV) system for inspection, cleaning and servicing shall be available. 3. Placement and specifications of insulation materials shall be adequate and appropriate. 4. Identify high risk equipment/materials from previous incidents of similar operations, and examine equipment manufacturer health and safety information for materials that may contribute to indoor environmental pollution/possible contamination issues (e.g. carpets, adhesives and fire-proofing materials), volatile organic compounds (VOC) emissions, off-gassing options and consult with WHS on mitigation strategies based on findings. 5. Appropriate lighting options and levels shall be chosen based on user needs. Refer to section 9. 6. Appropriate materials etc. shall be chosen to meet noise levels recommended by Canadian Standards Association (CSA) and other design standards.
	Construction Commissioning	1. Determine end-user commissioning processes for all specified equipment and mechanical systems (e.g. smoke tests). 2. All temporary ventilation shall be removed and replaced with long-term ventilation system when construction is complete. 3. Inspect and verify HVAC system components are constructed as designed, critical service and cleaning areas are accessible and insulation is installed according to design. 4. Pre-occupancy indoor air quality (IAQ) testing shall be completed AND once the building is operating at full or close to full capacity. Comparison of the results and recommendations such as American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) standards shall be provided to the project manager.
Violence Prevention	Schematic Design	1. Review section 8 of this document and highlight specific needs outlined in CSA for violence prevention. 2. Review Violence Risk Assessment (VRA) – Environmental survey requirements and incorporate design elements into project. • Environmental Survey Tool - General • Environmental Survey Tool – Corporate Departments 3. Include site Joint Occupational Health Safety & Committee (JOHSC) at this stage to provide input into VRA requirements and any additional worker safety operational needs.

Area	Stage of Design	Specific Requirements
Violence Prevention	Design Development	1. As per section 8, recommendations shall be carried out re: ceiling types, ceiling fixture types, wall composition, door hardware, door types, door viewing needs, door access, glass composition, mirror composition, hardware and integral blind needs and other window viewing options, light fixtures etc. as per level of risk identified for the area and per the CSA requirements. 2. Consult Protection Services to provide recommendations on building / area design in line with IAHSS Design Guidelines, and industry best practice. 3. Provide recommendations on building / area design in line with Crime Prevention through Environmental Design (CPTED) principles. Amongst other considerations, Protection Services will typically review the following: • Site lines • Exterior lighting • Appropriate use of closed circuit television (CCTV) cameras, including viewing and recording needs • Access control, including appropriate use of electronic access control measures • Parking and bike storage • Staff and public access routes and movement flow plans 4. VRA design requirements that apply to project shall be all incorporated at the design development stage.
	Commissioning	1. Violence Risk Assessment for new area to be completed by site once operational. Ensure site JOHSC is involved at this stage.

3. High Risk Areas for Staff Health and Safety Impacting Design

In any healthcare organization, there are a number of areas / departments that are considered high-risk, for different reasons. For the purpose of this document, the term “high risk” will strictly focus on areas where there is a higher risk for staff health and safety and design requirements shall be implemented to mitigate risks. Risk mitigation strategies shall be provided for any of the following high risk areas that are included in the design.

3.1 Ergonomic High Risk Areas

1) Client care areas where transferring and repositioning of patients is required
2) Client treatment areas where staff must work in awkward postures to perform the procedure (e.g. conducting ultrasounds and delivering newborns)
3) Work that requires highly repetitive tasks (e.g. inputting for extended periods, precision lab and pharmacy procedures)
4) Work that requires using multiple technologies at one workstation (e.g. reception, triage, switchboard and lab)
5) Support service work that requires moderate to heavy lifting, manoeuvering large carts/equipment into tight spaces and providing maintenance to stationary equipment in tight spaces

3.2 Occupational Safety and Hygiene High Risk Areas

1) Laboratories:
   a. Highest risk area in healthcare for potential exposures
   b. Carcinogenic, caustic and toxic process chemicals used
   c. Specimen fixation with formaldehyde containing substances
   d. Tissue processing and staining with xylene
   e. Biological infectious substances
   f. Specialized ventilation requirements, fume hoods and grossing stations to contain potential aerosolization of biological and chemical contaminants

2) Medical Device Reprocessing:
   a. Hazardous Process Chemicals used, such as parasitic acid and hydrogen peroxide
   b. Specific air pressure standards for clean / dirty rooms
   c. Local exhaust and general exhaust to control exposure to disinfectant chemicals
   d. Heat stress engineering requirements

3) Labour and Delivery:
   a. Anaesthetic gas usage, possibly portable
   b. Special ventilation requirements for medical gas , such as scavenging system for waste anesthetic gases
   c. Possible requirements for storage and transport of specimens in formaldehyde

4) Laundry:
   a. Large volume of concentrated laundering chemicals
   b. Separation of incompatible laundering chemicals (e.g. acid and bleach)
   c. Potential spill containment requirements, sewage and environmental considerations
   d. Any special storage requirement under product Safety Data Sheet (SDS)
   e. Machine guarding and lockout considerations
   f. Lint dust control. Use of high efficiency particulate aerosol (HEPA) vacuum instead of compressed air as a primary method for dust control

5) **Kitchen and Food Services**:
   a. Entrapment of walk-in freezer
   b. Hot surfaces
   c. Lockout and guarding

6) **Ambulatory Care Unit:**
   a. Reprocessing
   b. Special requirements for heating, ventilation and air conditioning (HVAC) system in health care facilities as per CSA Z317.2

7) **Operating Room:**
   a. Medical gas, leak handling, management and monitoring
   b. Medical gas scavenging systems, internal monitoring and function alarming
   c. Specimen fixation, formaldehyde dispensing system, tissue fixation, storage for specimen fixers and fume hood for handling. Local exhaust systems for capture of fugitive vapours
   d. Scavenging system to capture and neutralize laser plume

8) **Maintenance:**
   a. Mechanical rooms and refrigerants
   b. Confined space requirements, egress and emergency escape considerations
   c. Machine guarding and lockout
   d. Carpentry, electrical and plumbing

9) **Diagnostic Imaging:**
   a. Process chemicals used
   b. Ventilation locally for fugitive vapours

10) **Other:**
   a. Areas where fall protection or confined space equipment may be required (e.g. Window washing-anchor points and guardrails where personnel are likely to require access. Roof structure must be designed for safe access and egress)
   b. Areas that require special temperature and/or humidity levels. These areas may include computer / network equipment areas
   c. Areas with potential for excessive noise levels. These areas may include mechanical rooms, laundry service and food service areas
   d. Areas with potential for inadequate lighting levels. These areas may include enclosed stairwells, interior hallways, storage areas and exterior walkways
   e. Areas with potential for slips, trips and falls. These areas may include corridors, stairwells and outdoor walkways

11) **All Areas with Chemicals in Use:**
   a. Hygiene facilities for decontamination (eyewash, shower) to be provided as required in accordance with Occupational Health and Safety Regulation (OHSR) Section 5.88 and 5.89. This is required for all areas that **store** and/or **use** hazardous products. Risk assessments to be conducted in accordance with Table 5-2 and equipment provided in accordance with the requirements of Table 5-3.
      - The Interior Health Emergency Wash Stations Guidelines can be used as a useful tool.

3.3 Violence High Risk Areas

- Emergency Departments
- Mental Health and Substance Use
- Residential Care

If unsure / not identified if the areas included in the project are deemed to be high risk for staff safety, consult Workplace Health and Safety for direction.

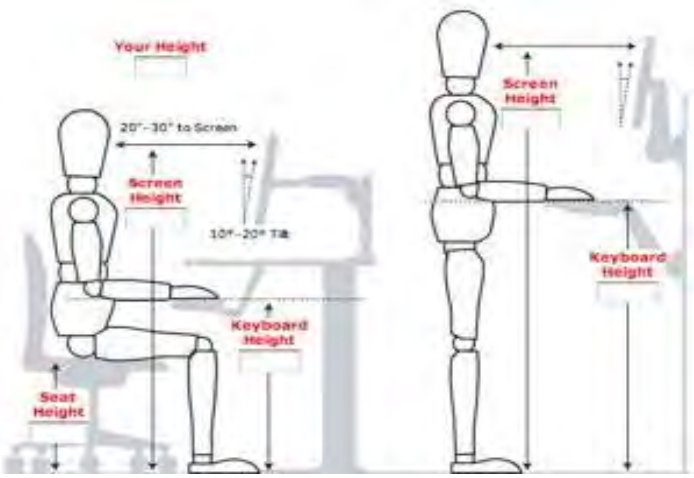
4. Workstation Design Requirements and Recommendations

4.1 Space Allocation

All IH office environments shall be sized according to the "Interior Health Space Guidelines" document.

4.2 Workstation Dimensions and Distances

Modular furniture is recommended over millwork. This will allow for flexibility and adaptability. If fully modular furniture is not practicable in an environment, then components, such as drawer units, keyboard trays and shelving units must be designed to allow for flexibility. Adjustable workstations must be considered in standing workstations and multi-user work areas involving precision work. Where millwork is deemed appropriate, the minimum requirements must be met:



Area	Dimension (mm)	Specification
Sitting Workstation Specifications	730 (+/- 25 mm) 660-810	1. Seated work station height – stationary* 2. Seated work station height – adjustable*
Sitting Workstation Specifications	970 927-1153 (5th percentile women – 95th percentile men) 940-1190 864-940 711-864	1. Standing work height (stationary)* 1) For intermittent use only 2) Not recommended for workers standing at workstation more than 2 hours of their work shift. 2. Standing work height (adjustable)* 1) Recommended option for standing work stations specifically multi-user use where standing longer than 2 hours of work shift. 2) Consider work tasks when determining standing height dimensions. ○ Precision work tasks ○ Light work tasks ○ Heavy work tasks

Area	Dimension (mm)	Specification
General Workstation Specifications	560	1. Height between work surface and bottom shelf (located above work surface) **Note: to allow monitor to easily fit between shelf and desk top, adjust as needed while still considering reach distances**
	900 600	1. Clear leg space underneath a work surface:** - Width - Depth (from desk surface front edge)
	610	1. Minimum work surface depth where: - No monitor and used as writing surface - Monitor on desk top and keyboard tray used (no keyboard on desktop)
	760	1. Minimum work surface depth where: - Monitor and keyboard on desktop (no keyboard tray) - Unit clerk, switchboard and main reception areas
	290	1. Minimum toe clearance (depth) if solely a standing work station and stools will never be used
	1520 910	1. Circulation Space - Minimum space behind chair with person in seated position if staff will be walking behind workstation (e.g. team care station) - Minimum space behind chair with person seated if staff will not be walking behind workstation (e.g. dictation booth)
	1060-1100 330 330 610	1. ***Transaction shelf - Height of transaction shelf from floor - Height between work surface and top of transition shelf - Depth of transaction shelf - Maximum depth between worker and client at transaction interaction space

*These dimensions are based on a desktop lip of 1” and assuming no keyboard tray in place. Adjust for areas with a keyboard tray or desktop lip >1”.

**The space under the work surface shall be free of gables/items that interfere with leg space. Consider cantilevered workspace/minimal brace supports. Use mobile shelving/drawer under work surface to be used for flexibility of space.

***Not recommended in areas where armbands must be applied or paperwork passed through at seated level.

4.3 Additional Staff Health and Safety Design Considerations for Workstation Areas

Area	Subject	Specification
Workstation Areas Workstation Areas	Ergonomics	1. High risk areas may include: team care stations, reception, triage, admitting areas and pharmacy & laboratory workstations. 2. In work areas requiring transaction with the public or clients, transaction of items (handing things back and forth) must not occur above computer monitor. Particular care must be taken to ensure reaching distance is within safe zone for those staff having to frequently reach to hand out items or apply arm bands. This may require a pass-through. Consider a combined employee/client desktop depth of 30" (760mm) at the pass-through location to reduce excessive reaching. (No individual reach distance should exceed 20" (508mm)). Monitor arms and keyboard trays can work to provide adequate working desktop space. Computer monitor will be positioned at a 45 degree angle to the transaction space. Transaction shelves are not recommended in these areas. 3. L or U shaped desk counters at task intensive workstations (unit clerk, switchboard, admitting, lab and pharmacy) should be considered. Where appropriate consider U-shaped workstations, specifically for tasks that require a lot of counter space. This will decrease excessive reaching and promote increased efficiencies. 4. Precision work areas with multi-users like those found in laboratory, pharmacy, laundry and medical device reprocessing should have adjustable counters (i.e. decontamination sinks, lab processing areas, sorting/folding tables etc.). For other precision work areas, consult with a Workplace Health & Safety subject matter expert to determine needs. 5. Avoid placing pencil drawers in legroom space. Pencil drawers should be part of the 3 drawer mobile unit to be placed at the end of one side of desk. 6. All built-ins slot holders shall be a functional design element with adaptability for slot sizes. Consider commercial desk top holders and/or floor to 1600mm shelving slot system (can be placed outside of care station also) for potential future flexibility. 7. Additional electrical and data plugs shall be placed above desk height near task intensive office user's workstations and throughout team care stations. 8. Computer workstation furniture shall accommodate a multi-user work space and consider modular system design for increased flexibility of space.
	Violence Prevention	1. All reception /care stations identified in areas as high risk for violence (ED triage – initial stage, admitting /patient registration, mental health and substance use team care stations and residential) are to refer to section 8 for specific violence prevention design details.
	Occupational Hygiene and Safety	1. Open concept office environments can be at high risk for noise levels above the recommended 45 dbA (Yantis 2006). Refer to section 9.6 for recommendations on acoustic control. Provision of shared meetings rooms and teleconference spaces is also recommended as are headsets. 2. Refer to section 9 for office environment lighting levels. 3. In office environments fresh air supply must meet the diluted needs of the equipment found in the office space (i.e. printers). Air quality levels are to meet WorkSafeBC Guideline reflected through maintaining CO_2 levels below 1000 ppm. 4. For renovation projects, ensure ventilation needs are met for the new function of the space e.g. storage areas have lower exchange rates and will require upgrade to ventilation if converted to more frequently occupied space/workstation.

4.3.1 Workplace Health and Safety Office Resources and Standards

All furniture and office equipment should comply with the Interior Health Authority's workstation standards as outlined by:

1) BC Clinical and Support Services (PHSA)
2) IH – WHS Recommended Ergonomic Office Equipment
3) All office workstations should be set up according to the IH Office Ergonomic Independent Learning Package and specifically the document How to Make Your Computer Workstation Fit You

5. Patient Care Area Design Requirements and Recommendations

5.1 Space Allocation

Refer to CSA Z-8000-11

5.2 Patient Area Dimensions and Working Distances

Patient handling areas are developed to provide a safe working environment for care staff while completing patient care tasks. The mandatory working distances listed below shall be accommodated to meet safe client handling requirements.

Area	Dimension (mm)	Specification
Inpatient Room See Figure 1	1500 800 1200 1500 1060 800 1500	1. Minimum space for transfer onto bed* 2. Minimum space on non-transfer side* 3. Minimum space between end of bed and next surface 4. Minimum room door width opening 5. Minimum washroom door width opening 6. Minimum space on either side of toilet (wall to middle of toilet bowl) 7. Minimum space in front of toilet (turning radius)
Bariatric Room See Figure 2	1800 1500 1800 1500 1500 600 1118 1800	1. Minimum space for transfer onto bed 2. Minimum space on non-transfer side 3. Minimum space between end of bed and next surface 4. Minimum door opening width (split door preferred of 42” and 18”) 5. Minimum door opening to toilet/shower room** 6. Center of toilet from wall behind (Toilet to accommodate up to 1000lbs – consider floor mounted) 7. Minimum space on one side of toilet for transfer use 8. Minimum space in front of toilet (turning radius)
Tub Room	1100 800 800 9’	1. Minimum distance of transfer side of bathing tub 2. Minimum distance on other side of bathing tub 3. Minimum clearance at end of bathing tub 4. Minimum ceiling clearance to accommodate ceiling lift and weigh scale
Stretcher Shower Room	1800 1200	1. Minimum space on one side 2. Minimum space on other side
Critical Care Room	1500 1200 1500	1. Minimum space for transfer onto bed* 2. Minimum space on non-transfer side 3. Minimum space between end of bed and next surface
Examination / Procedure / Treatment Room See Figure 3	1500 800 800 900 800 1500	1. Minimum space for transfer onto bed 2. Minimum working space on either side of bed 3. Minimum space between end of stretcher and next surface 4. Minimum space between end of stretcher and next surface if procedure involves work at end of stretcher 5. Minimum space circumference around treatment chair 6. Minimum door width

Area	Dimension (mm)	Specification
General Patient Care Storage	655 350 1805 1070	1. Maximum horizontal depth (forward reach) 2. Maximum horizontal depth for frequent reaching 3. Maximum vertical reach height (standing) 4. Maximum vertical reach height (sitting)

*Bed location can be shifted to ensure adequate space on both sides of bed for client care.

**Opt for open shower with floor drain and no curb, removable hand held showerhead and shower curtain vs. wall to allow maximum assistance. If feasible, include a pony wall to allow ceiling lift access throughout both the patient room and toilet/shower room. All wall-mounted grab bars, sinks and countertops must be structurally rated to support the bariatric client.

Client Ensuite: Opt for open shower with floor drain and no curb, removable hand held showerhead and shower

FIGURE 1

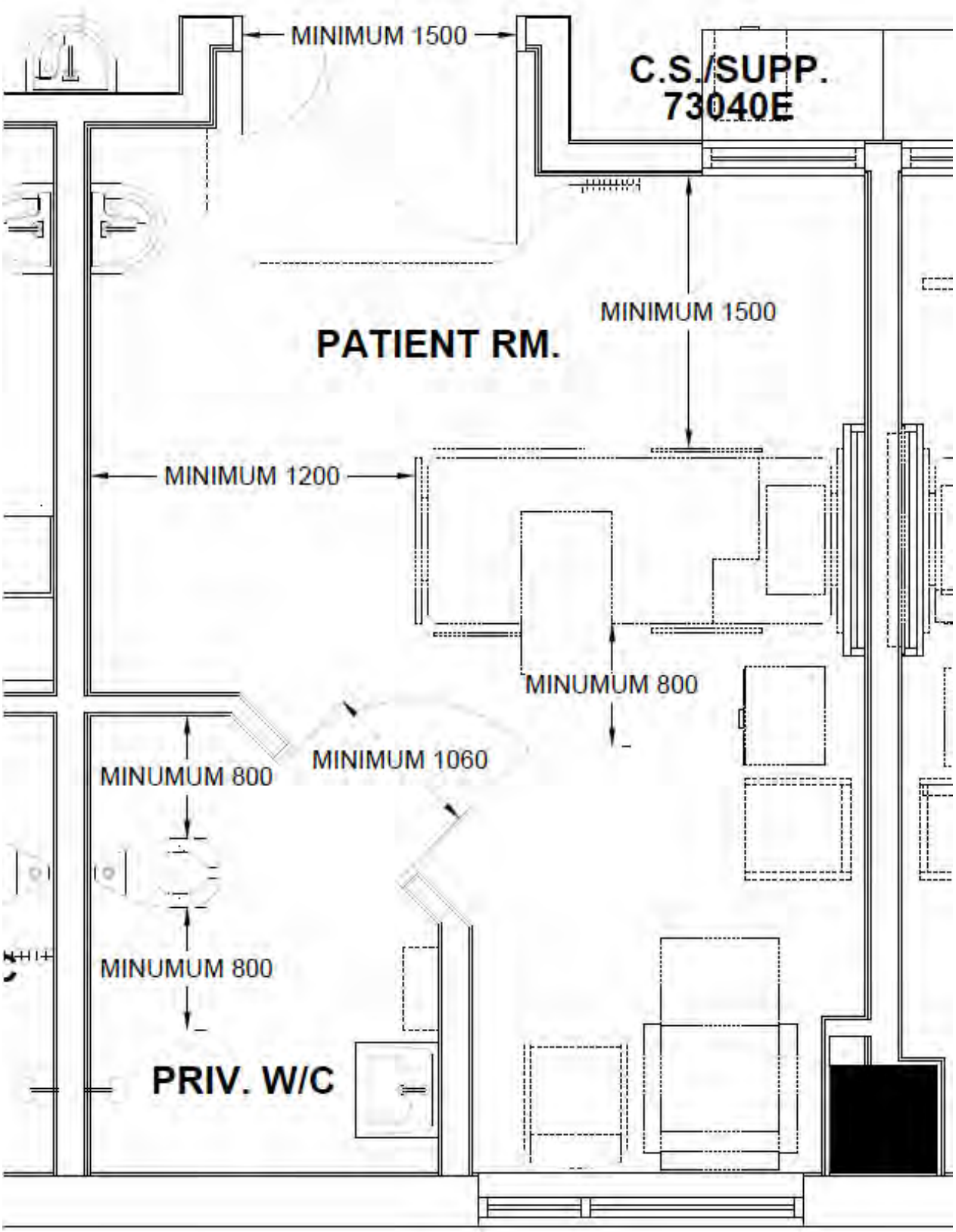

MINIMUM 1500
C.S./SUPP.
73040E
MINIMUM 1500
PATIENT RM.
MINIMUM 1200
MINUMUM 800
MINIMUM 1060
MINUMUM 800
MINUMUM 800
PRIV. W/C

FIGURE 2

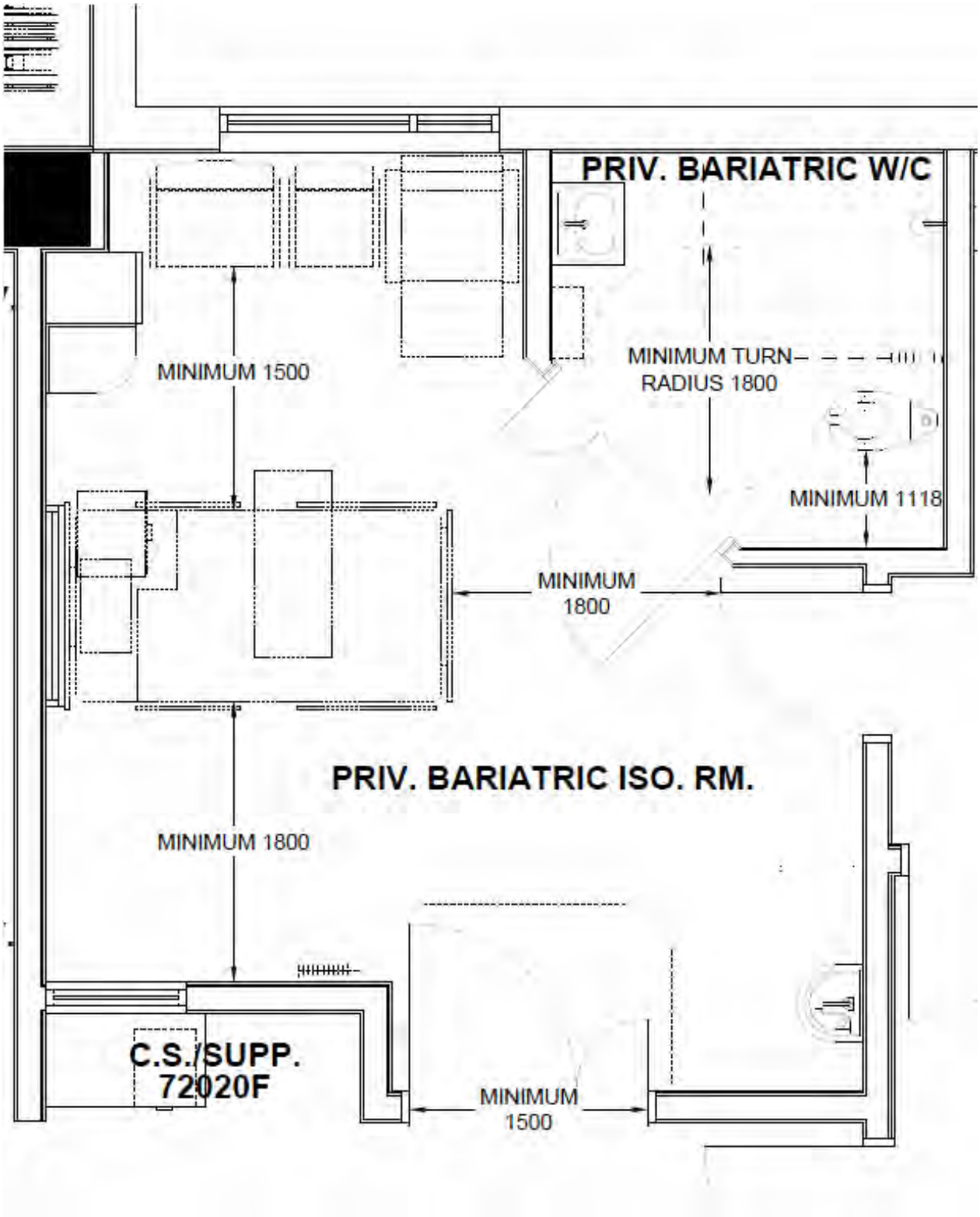
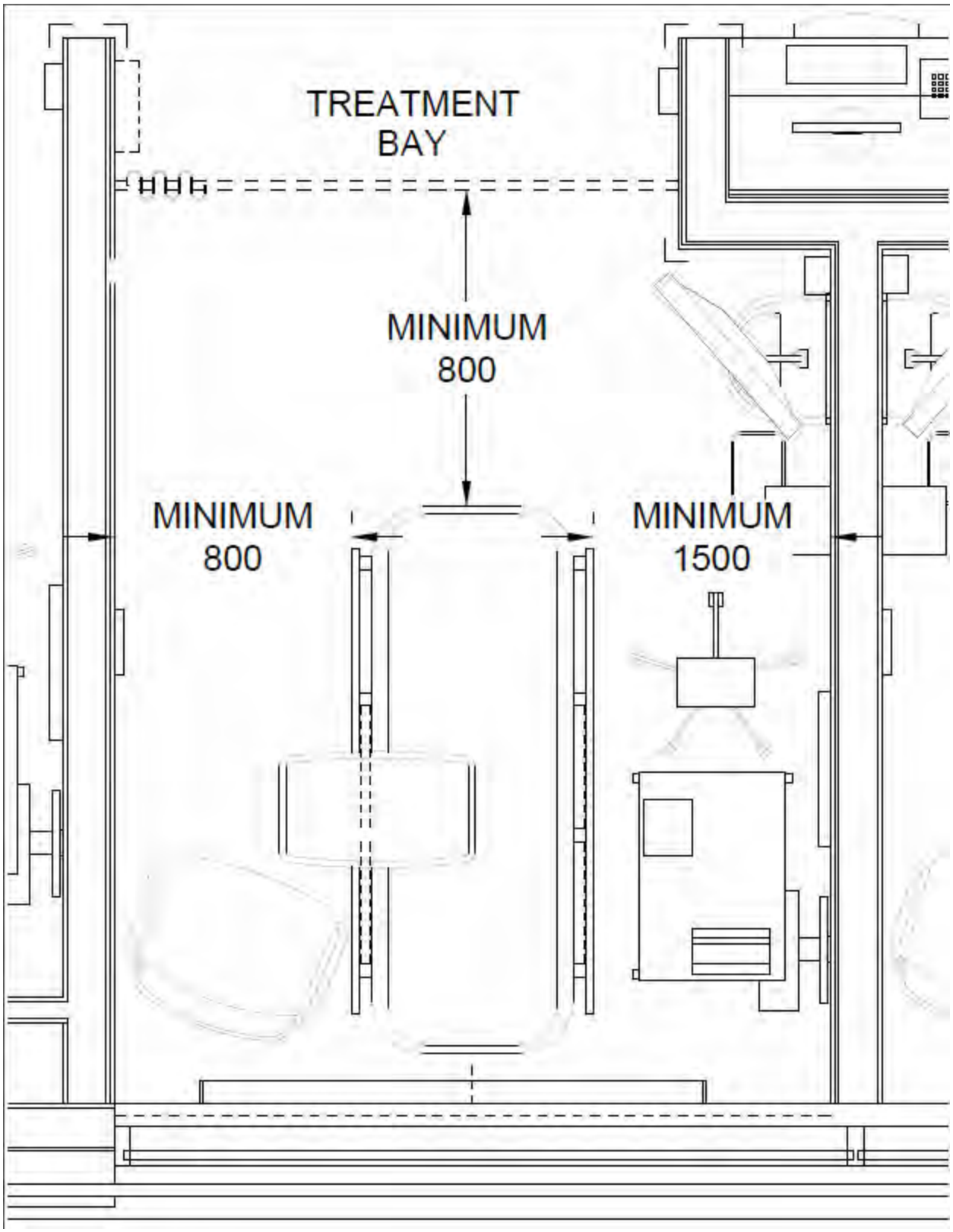

PRIV. BARIATRIC W/C
MINIMUM 1500
MINIMUM TURN
RADIUS 1800
MINIMUM 1118
MINIMUM
1800
PRIV. BARIATRIC ISO. RM.
MINIMUM 1800
C.S./SUPP.
72020F
MINIMUM
1500

FIGURE 3



5.3 Additional Staff Health and Safety Design Considerations for Patient Care Areas

Area	Subject	Specification
Patient Care Areas– General	Ergonomic	1. Planning for bed clearances shall take into account the dimensions of the bed. Distances around beds are based on a bed width of 1000mm for a standard hospital bed and 1200 mm for a bariatric bed. If different bed sizes are used, the distances shall be adjusted to accommodate the actual bed size. 2. All client washroom doors must be dual swing or barn door style to ensure patients can't get trapped in the room. Refer to section 7 for additional door specifications and hardware. 3. The manufacturer's specifications for space requirements shall be consulted prior to the design and construction of bariatric patient areas. 4. Consideration should be given to using the same to using the same lift manufacturer's products throughout a facility for more seamless client care (e.g. slings can be kept under client, simpler inventory management, increased familiarity for workers). 5. Provide storage space of sufficient size, suitable type and in close proximity to point of use for portable equipment; floor lifts, slings, wheelchairs and any other additional equipment. Storage space/alcoves (in addition to corridor width) and charging outlets shall be provided for the appropriate number of floor and/or sit-to-stand lifts. Storage space for slings shall be provided on the unit and in patient rooms. A dedicated sling hook should be installed within each client room. Electrical outlets adjacent to point of use shall be required for air-assisted lateral transfer devices. 6. If a mobile lift is expected to achieve a client lift and transfer between furnishings and equipment (e.g. recliner chair, stretcher, x-ray table, bed, tub), ensure the base of the lift is compatible with the furnishings/equipment (i.e. fits underneath the base or slides around the furniture/equipment legs) for appropriate and safe positioning of the client. If the base of the lift is incompatible with the furnishings/equipment, either alternate furnishings/equipment needed, or a ceiling lift should be installed in the area. 7. Dedicated work space should be provided within the inpatient unit for support service staff such as clinical pharmacist and therapists and students in teaching hospitals. 8. Standardized rooms are preferred where ever feasible. 9. Consult with pharmacy for narcotics stored at the bedside. A non-mobile locked narcotic cupboard may be required e.g. post-anesthetic recovery (PAR) or intensive care unit (ICU).
	Violence Prevention	1. Refer to section 8 for related violence prevention design details. 2. Adhere to applicable CSA standards and all other applicable codes/practices.

Area	Subject	Specification
	Occupational Hygiene and Safety	1. Refer to ASHRAE 170-2008 Ventilation for Healthcare Facilities and CSA standard special requirements for HVAC systems in HC 2003 need to be adhered to. 2. Refer to section 9 for care areas that contain gases (e.g. labour and delivery, OR and ambulatory care procedure rooms), negative air room requirements and, HVAC system requirements. 3. All areas where staff may be exposed to high risk biological or chemical hazards shall have isolation/decontamination areas installed. 4. Emergency area shall consider negative pressure rooms adjacent to side waiting areas that can provide airborne containment until suspected airborne patients are admitted into negative pressure rooms within emergency department. 5. Emergency area shall consider containment area with shower, separate plumbing, negative air for contaminated patients that require decontamination prior to entry into the facility. Preference is to have an anteroom prior to entry and storage area containing needed equipment in close proximity. 6. Negative pressure rooms shall be considered for clinical care areas such as intensive care unit, operating room, post anesthetic recovery, inpatient units (cardiopulmonary and wherever bronchoscopies or aerosol generating medical procedures are being performed by respiratory therapist). 7. HVAC grilles over patient beds/stretchers shall have the appropriate diffuser so air will not blow down directly onto the patient/staff. 8. Ensure adequate ventilation and requirements met for areas involving specialized tooling and/or dust control (e.g. laser procedure, grinding in operating room and physical therapist/occupational therapist areas where applicable). 9. Do not carpet areas that house or provide a service to patients or where there is a high likelihood of contamination with blood or body fluids. In area where carpeting is acceptable, the carpet should be cleanable with hospital-grade cleaners and disinfectants and be fast-drying which can reduce the likelihood of mould accumulation. 10. Surfaces, furnishing and finishes should be made of materials that can be easily maintained and repaired; be cleanable with hospital-grade detergents, cleaners and disinfectants (except furnishings in residential facilities where the furniture is supplied and used exclusively by one single resident); be smooth, nonporous, seamless, fast drying, and unable to support microbial viability.
Patient Care Areas – Specific	General	In addition to the guidelines for general patient care areas, **Clean Supply Rooms** should: 1. Be readily available in each patient care area. 2. Be separate from soiled area. 3. Be easily available to staff. 4. Contain a work counter and a dedicated hand washing sink if used for preparing patient care items, but placed in a manner to prevent splash onto clean supplies. **Soiled Utility Rooms/ Workrooms** should: 1. Be readily available close to point-of-care in each patient care area; 2. Be separate from clean supply/storage areas. 3. Contain a work counter, a clinical sink, and a dedicated hand washing sink. 4. Be sized adequately for the tasks required.

5.4 Safe Patient Handling Resources and Standards

5.4.1 Safe Patient Handling Policy and Equipment Allocation Guidelines

Refer to the organizational Safe Patient Handling Policy and IH Safe Patient Handling Equipment Recommendations and Allocation Guidelines for safe patient handling equipment recommendations and ceiling lift coverage.

6. General Design Specifications for Support Service Areas

6.1 Space Requirements and Recommendations

Refer to CSA Z-8000-18

a. Housekeeping

Area	Subject	Specifications
Housekeeping Rooms	General	1. Provide a shelf positioned above floor scrubbers deep enough to hold battery packs for these machines and high enough to allow equipment to fit below (min1500 mm height). Power must be provided above shelf to charge battery pack. These batteries will stay positioned on shelf and will have a cord dropping down from the shelf to plug into the machines (ensure length of plug able to reach between shelf and machine) to reduce excessive reaching. 2. Provide a floor drain in room or incorporate the mop sink drain as a room drain. 3. Door hardware to include hold open function 4. Detergent dispenser needs cold water outlet with backflow preventer. Back flow preventer to be concealed behind access panel. 5. Hand wash sink in room cannot be within a one meter of any fixed item unless protective barrier is placed on side of sink. 6. Housekeeping staff have card reader, not store room function hardware. 7. Non-skid flooring is required. 8. Floor mop sink in each housekeeping room must be of an adequate size, depth and access to support the floor buffers and other required housekeeping equipment. 9. Plumbed, tempered eye wash station is required as per OHSR 5.85-5.96 (Table 5-2, 5-3).
General	Ergonomics	1. Receptacles for housekeeping must be staggered on alternate sides of the hallways throughout the facility and spaced a maximum of 10 meters apart and as required for complete coverage of the building. 2. Duplex receptacle is required at each stairwell landing. 3. Each specialized treatment area (e.g. operating rooms) must have a dedicated duplex receptacle for housekeeping. 4. Each unit/area must work with housekeeping/laundry to identify and allocate storage space and corridor alcoves to house all necessary bins and carts required to support that area. Storage of these items in the corridor is not acceptable in newly renovated/built spaces and creates hazards for staff manoeuvering equipment and patients.
	Violence Prevention	Refer to section 8.
	Occupational Hygiene and Safety	Refer to section 9 for requirements on areas that use chemical liquids.

b. Pharmacy

Area	Subject	Specifications
General Pharmacy	Ergonomics	Refer to OHSAH Ergonomic Guide for Hospital Pharmacies and to Section 4, for workstation considerations (i.e. adjustable counters for precision work).
	Violence Prevention	1. Pharmacy Departments 1.1 Refer to CSA Standard Z8000-11 and ensure 2013 Canadian Pharmacy standards are incorporated. 1.2 Refer to section 8 for violence considerations in office environments such as counter/desk specifications.
		2. Medication Rooms 2.1 Contact Pharmacy Services for the most current medication room standards in acute care facilities. • Be enclosed to limit distraction. • Have site lines to key patient areas – this may require use of large windows or full glass panel doors in spaces not obstructed by the drug dispensing equipment. • Glass should be shatter or temper proof with a security film. 2.2 Consider medication room design to include features and serve as safe room also. Refer to section 8 – General (4).
	Occupational Hygiene and Safety	Specific consideration must be given to storage and handling of hazardous/cytotoxic drugs as outlined in the BC Health Authorities' Exposure Control Plan for Hazardous Drugs. To ensure the safety of staff who prepare hazardous drugs, refer to WorkSafeBC (WSBC) Occupational Health and Safety Regulation: • Section 6.53 Drug Preparation and Administration • WSBC Occupational Health and Safety Guidelines, Section G6.53(1) Biological Safety Cabinets (BSC) • WSBC Occupational Health and Safety Guidelines, Section G30.12 – Biological Safety Cabinets • WSBC Occupational Health and Safety Regulation, Section 5.85 – 5.96 – Emergency Washing Facilities

6.2 Laundry Services

Area	Subject	Specifications
General Laundry	Ergonomics	Refer to OHSAH Ergonomic Guide for Hospital Laundries
	Occupational Hygiene	Refer to section 9 of this document for dirty/clean room requirements.

6.3 Laboratory

Refer to Canadian Biosafety Standards 2nd Edition

Area	Subject	Specifications
General Laboratory	Ergonomics	1. Refer to Ergonomic Guidelines for Healthcare Laboratory and to section 4, for workstation considerations (i.e. adjustable counters for precision work).

	Occupational Hygiene	1. Refer to section 9 for requirements on areas that process chemical liquids and gases are used. 2. Refer to BC Fire Code (most updated copy) for allowable maximum volume of flammable substances stored inside a single fire compartment. 3. Morgue requires special consideration for tasks performed and extent of the storage of specimen fixation. Specialized ventilated cabinets for the quantities of stored specimens as well as specific ventilation and disposal controls when specimens are disposed of.

7. General Design Specifications for Circulation Spaces

7.1 Space Requirements and Recommendations

Refer to CSA Z-8000-18

7.2 Corridors/Circulation Dimension

1. Material circulation routes shall be kept separate where possible from patients/staff/public circulation routes.
2. Door widths shall be dependent on the people/equipment loads anticipated.
3. Stairways shall be used to augment personnel movement between floors.
4. Design corridors to be level. No ramps are permitted unless approved by authority.

Minimum Corridor Widths	(mm)
1. Public circulation areas (clear space – additional width required for storage spaces and sitting alcoves)	2440
2. Patient care circulation areas (clear space – additional width required for storage spaces and sitting alcoves)	2440
3. Logistics / material handling service areas	2000
4. Loading zone areas	3600
5. Administrative / office spaces	1500
6. Patient care convoy (i.e. patient, staff, equipment or Cardiac Surgery Intensive Care Unit	3050

7.3 Door Dimensions, Access Control and Hardware

1. Door openings of adequate width shall be provided to suit the intended purpose of rooms on either side of the door and also allow movement of people and equipment associated with those rooms. Avoid doors swinging into corridors in a manner that may obstruct traffic flow or reduce the corridor width, except doors to spaces that are used infrequently and are not subject to occupancy such as small closets.
2. At all doors, where patient wheelchair/stretcher/bed movement is required, including doors into/between major departments/activity areas automatic doors activated by disabled accessible push-button controls located on the inside and outside of both sets of doors shall be provided (also provide manual push/pull option on both sides of doors).
3. Apply door sizes and designs consistently to rooms of similar use, location and configuration.
4. Provide glazing in doors or sidelights in such a way that they allow patient observation and operational safety of the spaces they serve.
5. In areas where security is considered paramount, achieve security with the appropriate location, configuration, materials, construction, detailing of doors and hardware. Refer to section 9.

Minimum Door Widths	(mm)
1. Lounges and waiting areas	1220
2. Clinical where NO pallet/stretcher/bed pass through	1065
3. Clinical where beds pass through	1500
4. Movement of large equipment (All mechanical and electrical rooms)	914 x2 (dbl. doors)

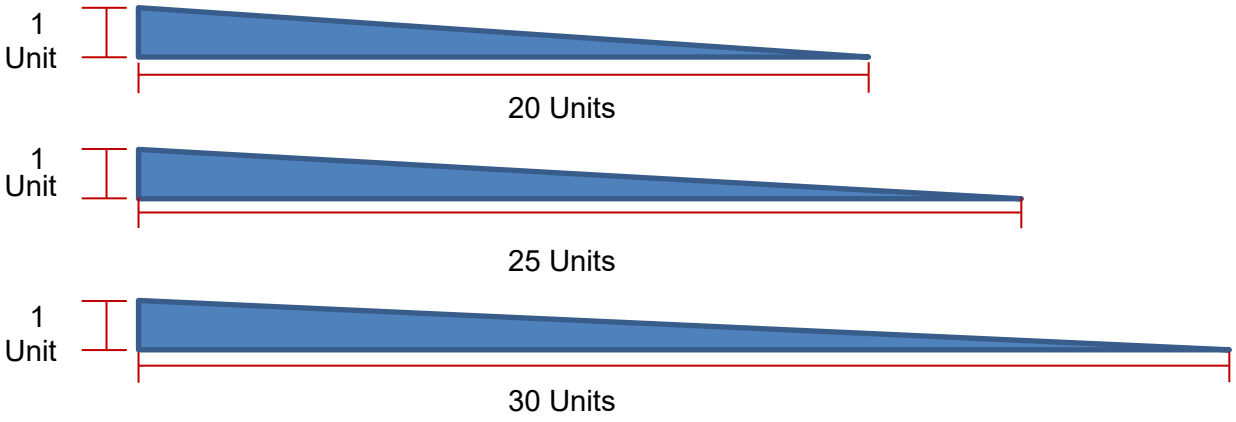
7.4 Ramps, Slopes, Rise & Run

7.4.1 Ramp Dimensions

1. Ramps will be avoided if at all possible.
2. If a ramp must be included it will not be permitted with greater than a 1:20 incline ratio and will have a midway step rest, if appropriate, and the appropriate handrails provided.

7.4.2 Slope, Rise & Run

1. Slope is defined as the ratio of vertical distance (rise) to horizontal distance (run) so a greater number means a greater incline.
2. Ideally, the incline should have a slope of less than 1:20; (example 1:25, 1:30) but will not be greater than 1:20, see table below.



Slope	Maximum Rise	Minimum Run
1:16 to < 1:20	76cm (30 in.)	12m (40 ft.)

Recommended maximum rise and minimum runs for slops (from BC Building Code, Article 3.8.3.3)

7.5 Elevators

7.5.1 Elevator Dimensions

1. Provide car enclosure with minimum clear internal (finished panel to panel) dimensions of 2134 mm (7'-0") wide, 3050 mm (10'-0") deep, minimum overall height of 2745 mm (9'-0") with minimal threshold gap at door to prevent wheeled equipment ease of movement across. This allows adequate room for bariatric stretcher and care team.
2. In specialized care areas, width must also accommodate convoy of patient, staff and associated equipment (e.g. transport to Intensive Care Units)

7.5.2 Safety Features

1. Provide staff / users with an ability to communicate to facilities maintenance from inside the elevator, in the event of a disruption to the elevator service.
2. Consideration may be given to include a verification requirement within the elevator cab for after public hours or specific floor access.
3. MDR/OR access elevators - for newly built facilities it is optimal to have separate, dedicated clean and soiled MDR service elevators each located in its own shaft to access the OR directly.

8. Design Specifications for High Risk Areas in Violence

As outlined in section 2, for the purpose of this document, high risk areas impacting staff safety for violence include Emergency Departments, Mental Health and Substance Use Departments, Long Term Care Centers and/or others areas with high incidents of violence as determined by Protection Services or WHS.

The following are general guidelines and consideration only for high risk areas in violence. Protection Services should be consulted at all stages of planning, design and implementation for full recommendations and consultation on a case-by-case basis.

Area	Subject	Specifications
General	Overall Design Considerations	1. Adhere to applicable CSA standards and other applicable / governing policies / legislation, including but not limited to local and national fire codes, building codes and by-laws. 2. The design should generally support measures for personal safety, and be void of areas where a staff-member could become trapped by an aggressor. a) minimizing the number of entry and exit points used by the public; b) the ability for staff to screen access into the area using technology and/or process. (i.e.incorporating an access control system such as electric strike and card readers to all perimeter doors, considering an intercom system between visitor area and staff work area so that staff can interview visitors to ensure appropriate entry into the area); and c) location of high risk areas in relation to other departments on site. 3. Consideration is to be given as the type of furniture, artwork, and other objects used through the area so as to limit the ability of furniture/objects to be thrown or used as a potential weapon.
General		1. Clinical/staff spaces are clearly identified and separated from public spaces by signage, and/or a secure physical barrier (e.g. door, counter, and wall or glass partition). 2. The floor layout in both clinical and public areas should provide clear sight lines from control points (e.g. a team care station or reception desk) to entrances, waiting areas, and circulation routes. Consider use of CCTV or mirrors to assist in achieving visibility. Lighting should be considered to provide sufficient illumination (avoid shadows) to see all spaces in an area and meet user's needs. 3. Ensure there is a reliable and accessible means for staff to summons help. 4. As permitted by fire codes, stairwells should be secured and not accessible by patients from immediately inside the high risk department / area. 5. Rooms where staff could be meeting with potentially aggressive persons should be designed to allow staff to be closest to an exit point and provide visibility from outside of the room. If multiple exit points are feasible, this would be the preferred option. Room design and configuration should allow for staff to be positioned closest to the door for quick exit. 6. Where deemed necessary /appropriate, only glass that is shatter-proof or laminated with a security film for protection should be used. 7. An area designated as a safe zone should be provided for staff and patients to retreat to should a threatening situation occur. This room, at a minimum, should have an ability to see through (peephole, or window), phone or other means to summons help and be able to be locked. This room could be the team care station if properly equipped or a room within or adjacent to a nursing station such as a medication room.

Area	Subject	Specifications
	Workstations Within High-Risk Areas	1. Adequate counter height / width to prevent a person from easily jumping over it. This may require incorporation of safety glass above the counter to an 1100mm height (minimum) that can be opened or cut out for pass through to accommodate wheelchair access. 2. Clear sight lines of incoming visitors/customers or visual monitoring of the entrance/exits from the central care station/reception.
	Technology Considerations	1. Ability for staff to quickly and reliably summon help 2. Consideration for CCTV cameras where appropriate. 3. If applicable, security camera monitors should be located so they are visible only to staff, but not to patients or the public.
	Access	1. Ability to restrict access to the facility / department 2. Consideration to limit traffic flow and general access to the high risk area on an as-needed basis, and to prevent a general thoroughfare.
	Seclusion Rooms	1. If a department / area is deemed appropriate to have a seclusion room as per Ministry of Health requirements, all design specifications should meet current BC MOH standards.
Department Specific	Emergency Department Specific	In addition to overall design guidelines: 1. CCTV coverage to record people entering and leaving the Emergency Department through main entrances. 2. Ability to easily restrict access to the Emergency Department in the event of a high-risk patient or potential threat situation. 3. Ambulance / first responder entrance is separate from the public entrance. 4. Staff areas including triage, registration and admitting, are physically separate from the waiting room.
	Mental / Behavioral Health Specific	In addition to overall design guidelines: 1. Fire extinguishers should be accessible only to staff to prevent improper use by patients or a potential weapon. 2. Medical gas controls should be covered with tamper-proof materials and only accessible by staff to prevent potential hazard. 3. Department should be designed to limit the risk of hanging, with special consideration for door handles, hooks, curtain rods, sprinkler heads, and other design features to limit hazards. 4. Window coverings should be tamper-proof and designed to limit hazards. 5. Furniture should be weighted, able to withstand abuse, and tamper-resistant to avoid removal of pieces to fashion weapons. 6. Medical gas controls should be covered with tamper-proof materials and only accessible by staff to prevent potential hazard. 7. Department should be designed to limit the risk of hanging, with special consideration for door handles, hooks, curtain rods, sprinkler heads, and other design features to limit hazards. 8. Window coverings should be tamper-proof and designed to limit hazards. 9. Furniture should be weighted, able to withstand abuse, and tamper-resistant to avoid removal of pieces to fashion weapons. 10. Ceilings should be at least 9 feet high, should be non-accessible solid gypsum board ceiling. Provide key-lockable access panels at all locations where access is required to prevent potential hazards.

Area	Subject	Specifications
	Mental / Behavioral Health Specific	1. Construction material that may be removed and used as a potential weapon or for self-harm, without the use of tools is strongly discouraged. (e.g. baseboards) 2. Outdoor areas (e.g. enclosed courtyards, fenced areas adjacent to the treatment unit, or open campus) - careful consideration should be given to exterior landscaping and furniture. Avoid climbable fences, shrubs planted together, landscape or decorative rocks. Ensure all furniture is anchored down and heavy to lift. Provide decking composed of fire resistant, easy to clean and tamper-proof material, tamper and weather proof exterior lighting. 3. Secure rooms within designated Mental Health facilities are to meet the design specifications found within Provincial Quality, Health & Safety Standards and Guidelines for Secure Rooms in Designated Mental Health Facilities (2014).
	Outdoor Enclosed/Fenced Area (within high-risk for violence areas)	In addition to overall design guidelines: 1. Outdoor areas (e.g. enclosed courtyards, fenced areas adjacent to the treatment unit, or open campus) - careful consideration should be given to exterior landscaping and furniture. Avoid climbable fences, shrubs planted together, landscape or decorative rocks. Ensure all furniture is anchored down and heavy to lift. Provide decking composed of fire resistant, easy to clean and tamper-proof material, tamper and weather proof exterior lighting.

8.1 Parking Lot, Building Perimeter

Ensure project has received input from Protection Services

9. Design Specifications for High Risk Areas/Systems in Occupational Hygiene and Safety

Areas/Systems		Specification
General	**Areas where critical conditions must be maintained.** These areas may include negative pressure rooms, dirty & clean laundry areas and medical device reprocessing	1. Refer to CSA Z8000-18 Section 10.2 Environmental Services and Section 10.7 Medical Device Reprocessing. 2. Ensure that the monitoring is set correctly with ease of use and ventilation and thermal specifications meet the functional needs of the room. 3. If any design changes occur after the design has been finalized, such as added equipment, process flow etc., it is mandatory that the design be re-reviewed by appropriate subject matter experts to determine the practicality of implementation and ensure required modifications are added and agreed to by all parties.
	Areas that require special temperature and/or humidity levels. These areas may include computer/network equipment areas.	1. Refer to individual equipment standards
	HVAC Systems	1. Ensure energy conservation does not override the pressure balancing relationships or the minimum number of air changes required as found in table 7-1 ASHRAE standard 170-2008. 2. Ensure that all HVAC exhaust points are isolated from doorways, service entries and any possibility of entrainment or public exposures. 3. Ensure design of HVAC system includes all components; condensate drains, water baffles and cooling towers. 4. Ensure adequate access points into HVAC system are in place for inspection, cleaning and servicing with sufficient space to work and maintain equipment within the system. 5. Ensure placement and specifications of insulation materials are adequate and appropriate. 6. HVAC air intake must not be located in proximity to an area where vehicles or motorized equipment is likely to idle for any length of time. 7. Ensure air quality thermal standards and codes are in place and thermal air quality sensors and set points are located based on location of occupants and equipment to ensure the thermal level reflects the true requirement of the work area (e.g. occupancy, wall placements, furniture location, local ventilation and window location). 8. Ensure that inlets and outlets are placed within the rooms in such a way that it will aid in removing the possible contaminants produced in the room and supply enough fresh air dilution to minimize exposure. 9. Ensure that the design incorporates the effects of outdoor conditions on fresh air rates/CO2 levels specifically in extreme temperature situations involving air conditioning/heating system venting. 10. Ensure that the duct system is free of all construction debris and filters are in place prior to starting up system. 11. If HEPA filters are used within the HVAC system they should have monitoring system in place to indicate pressure drops supporting replacement.

Areas/Systems		Specification
Department Specific	**Areas where process chemical liquids or gases are used.** 1. Laboratories 2. Medical Device Reprocessing 3. Labour and Delivery 4. Laundry 5. Ambulatory Care Unit 6. Operating Room 7. Maintenance (refrigerants) 8. Housekeeping 9. Emergency Departments 10. Dietary	1. Storage requirements for hazardous materials: • A list of the hazardous materials should be provided to Occupational Hygienist to review and recommend proper storage containment including proper storage ventilation (exhausting, negative pressure and cabinetry design). • Minimize distance between storage of materials and point of use reducing transport risks. • Ensure flammable liquid storage areas are designed in compliance with BC Fire Code. 2. Ensure that incompatible equipment, environmental conditions and chemicals are identified, assessed and controlled 3. Refer to CSA Z305.12 (2006) and ISO 11625 (2007) for storage requirements. 4. Enclosed Process Instrumentation: • Process equipment reviewed by qualified person to ensure design maximizes exposure control of process chemicals. • Equipment should be selected as to minimize quantities and volumes of products used. 5. Plumbed, tempered eye wash station is required as per OHSR 5.85-5.96 (Table 5-2, 5-3). 6. Locally Exhausted Ventilation, • Dedicated local exhaust systems must be considered in all instances where hazardous process chemicals are used. • Dedicated local exhaust should be designed to meet the current and relevant recommendations for source capture, direct exhaust and elimination and/or scrubbing and function alarming. • Consider environmentally safe methods/products for disposal, spills and sewage. • Clean/Dirty Room Pressure Balance - ensure that the design of the ventilation system provides air movement that is from clean to less clean. • Qualified Occupational Hygienist involved in technical commissioning process are to review areas where process chemical gases or liquids are used by conducting a monitoring survey of the effectiveness of the engineering controls upon commissioning, as well as, an evaluation of the worker exposure once department is in full operation.
	Areas where fall protection or confined space equipment may be required	1. The use of fall protection equipment will require the implementation of a fall protection plan, ensure all equipment are inspected and used as per design. Other requirements surrounding the use of fall protection are listed under WorkSafeBC Regulation S.11. 2. Where confined space may be accessed for job tasks/activities, a confined space entry plan or procedure shall be in place that address below items but not limited to: • Access and egress; • Communication • Atmosphere gas testing • Emergency response and rescue WorkSafeBC Regulation S.9 indicate all regulatory requirements for Confined Space Entry

Areas/Systems		Specification
	Areas with potential for excessive noise levels. These areas may include mechanical rooms, laundry service and food service areas.	1. WHS recommends a max noise level of 45dbA (Yantis, 2006) or less (not the 8 hour time weighted average noise exposure limit of 85 dBA Lex specified in the Occupational Health and Safety regulation.. 2. Ensure the best sound absorbing materials are utilized in the ceilings and walls (e.g. acoustic ceiling tiles, varying heights of sound absorbing fabric panel, cork flooring, insulating pipes and machinery and installing white noise machines above ceiling). 3. Ensure flooring material is suitable to reduce noise while still being able to be cleaned easily and provide non-slip surface. 4. Consult a professional acoustical engineer on consideration of rounded corners where deemed appropriate. 5. Ensure small noisy pieces of equipment are placed on rubber noise absorbing pads. 6. Ensure noisy equipment is not concentrated into one area. Work with LEAN to ensure process/increased efficiency does not increase and exceed required noise levels.
	Areas with potential for inadequate lighting levels. These areas may include enclosed stairwells, interior hallways, storage areas and exterior walkways.	1. Ensure that all locations are assessed with regard to the processes occurring within the work area and the lighting is meeting the requirements of the WorkSafeBC OHS Regulation Section 4.65 Illumination Table 4-1. 2. Ensure lighting in key areas (patient rooms, laboratories) is adjustable to allow for levels to be set depending upon needs. 3. Ensure that whenever possible natural light is used to its fullest extent to reduce the need for artificial lighting. Where this is not feasible consider sunlight tubes. 4. Where feasible, offices and other enclosed spaces (meeting rooms, file rooms and treatment rooms etc.) shall be placed in the core of the work space with the open workspaces organized along the windows to maximize the amount of natural light penetrating the interior of the work environment. 5. When applicable and appropriate, natural light is preferred over artificial light to increase staff comfort level, which may be achieved by “side-light” window adjacent to the door allowing natural light to flow into space, door with window, sun tubes, or skylights. 6. Ensure stairways are lit sufficiently to reduce tripping hazards. Table 4-1 in the WorkSafeBC OHS Regulations. 7. Ensure the utilization of full spectrum or near full spectrum lighting is incorporated whenever possible to ensure eye stress is lessened and colour observations are accurate. 8. Avoid blind corners were possible or install mirrors to limit blind corners.

Areas/Systems		Specification
	Areas with potential for slips, trips and falls. These areas may include corridors, stairwells, outdoor walkways, etc.	1. Refer to CSA Z8000-11 Sections 7.6.6.1.3 and 7.7.4.1 2. Ensure all walking surfaces, inside and outside, are free from surface irregularities. 3. Ensure that when designing entryways, outdoor stairs, etc. consideration is given to the possible changes in weather and how it would affect the walking surface. 4. Ensure that outdoor stairways meet building code requirements and outdoor areas are designed to reduce ice and snow accumulation. 5. Ensure that lighting is sufficient to allow for eyes to notice changes in depth or height of obstacles encountered. 6. Ensure that handrails meet the required codes and that they are placed in such a way that they can be recognized immediately as a safety precaution (i.e. wider stairs may require a railing in the middle of the stairs as well as on the sides). 7. Ensure that floor material has sufficient friction to prevent slipping by using of non- glare and slip-resistant surfaces (coefficient of friction should be above 0.5). 8. Ensure areas around safety showers or eyewash stations are not prone to spillage. 9. Ensure that any floor mounted electrical receptacles will not create a tripping hazard when in use. 10. Ensure that there is enough storage capacity to prevent storage of materials in hallways that may create a tripping hazard. 11. Ensure all drains are aligned correctly to prevent spillage onto general floor areas. 12. Properly designed steps, ramps, and railings; Recommended stair dimensions, adequate handrails and lighting to decrease the risk of slip/trip/falls are to follow the National Building Code of Canada Section 9.8.2.1-9.8.4.6 Stairs, Ramps, Handrails and Guard. Also refer to WorkSafeBC OHS Regulations Section 4.62 and publications Slip, Trip, and Fall Prevention for Healthcare Workers Department of Health and Human Services, CDC/NIOSH (Bell, et. al. 2010)

10.References and Resources

10.1 Regulations and Guidelines for Design

WorkSafeBC Occupational Health and Safety Regulation
Refer to all applicable sections with specific attention to the following:
Part 4 – General Conditions
Part 5 – Chemical Agents and Biological Agents
Part 6 – Substance Specific Requirements
Part 7 – Noise, Vibration, Radiation and Temperature
Part 11 – Fall Protection
Part 30 - Laboratories

Canadian Standards Association (2011). Z8000-18 Canadian Health Care Facilities.
Ergonomic related sections-7.6, 7.8, 8.1-8.8, 9.1-9.8, 9.10, 10.1-10.2, 11.1

Violence prevention related sections - 8.2 Planning and design principles, 7.6, 7.6.1.2, 7.6.1.3, 7.7, 7.7.1, 7.7.1.3, 7.7.1.4, 7.7.2, 7.7.2.1-.7, 9.4.3.8, 9.4.3.8.1, 9.4.2.2.7, 9.4.2.4.9, 9.4.3.8.3, 9.4.3.8.5, 9.5.3.19, 9.7.3.12, 9.11.3.9.1

Canadian Standards Association (2006). Z305.12 "Safe storage, handling and use of portable oxygen systems in residential buildings and health care facilities"

ANSI/ASHRAE standard 170 (2008) Ventilation for Health Care Facilities

ANSI/SHRAE std. 62.1 (2007) Ventilation for Acceptable IAQ (note that CSA Z8000-11 references the 62.1-2001 ANSI/ASHRAE standard)

ISO 11625 (2007). Standard for storage of gases.

BC Fire Code

International Association of Healthcare Security & Safety (IAHSS) Industry and Design Guidelines http://www.iahss.org/?page=guidelines

Any and all applicable fire codes/regulations for compressed gases and storage.

Provincial Safe Resident Handling Standards for Musculoskeletal Injury Prevention in British Columbia (2012). Interior Health, Northern Health, Vancouver Island Health, Fraser Health, Vancouver Coastal Health, Providence Health, Provincial Health Services

Provincial Hand Hygiene Working Group (2013). Best Practices for Hand Hygiene Facilities and Infrastructure in Healthcare Settings.

BC MOH Secure Rooms and Seclusion Standards and Guidelines (2012).

Provincial Quality, Health & Safety Standards and Guidelines for Secure Rooms in Designated Mental Health Facilities (2014)

"Code Plus – Physical Design Components for an Elder Friendly Hospital" (Parke & Friesen, 2012).

IH Standards for Medication Rooms for Acute Care Facilities Decision Brief (2014). Refer to Appendix 13.2

IH Emergency Wash Stations Guidelines (2020).

10.2 Ergonomics

10.2.1 General Ergonomics

Kroemer, Karl H. E. (1999) The Occupational Ergonomics Handbook: Chapter 9 Engineering Anthropometry. CRC Press.

Kroemer, K.H.E., (1999). Engineering Anthropometry. In Karwowski, W. & Marras W. (Eds.), *Occupational Ergonomics Handbook (pp: 139-165)*. CRC Press.

10.2.2 Ergonomics in Healthcare Facility Design

Ergonomic Challenges in Hospital Ancillary Departments, 9-23 Ergonomic Design in the Workplace in Healthcare Facilities.

American Institute of Architecture/Facilities Guideline Institution (2010). *Guidelines for Design and Construction of Healthcare Facilities*

Fraser Health Authority (2016). Safe Client Handling Equipment and Design Innovation: Appendix C

M. Matz, K. McCoskey and M. Martin, Safe Patient Handling and Mobility (SPHM) Technology - Coverage & Space Recommendations, United States: Veterans Health Administration (VHA), 2016 Revision.

Ceiling and Mobile Client Lift Guidelines for AHS Facilities: Alberta Health Services (AHS), 2018.

10.2.3 Specific Areas within Healthcare

Follow this link to locate resources under ‘Ergonomics Department Specific Resources’.

10.3 Violence Prevention in Healthcare Design

Psychogeriatric inpatient unit design: a literature review, 2011, J. Dobrohotoff and r. Llewellyn-jones

Gamble L. A Macro-Ergonomic Approach into Staff Duress, Nurse Call, and Staff to Staff Communication Systems Acquisition and Utilization in Healthcare. Proceedings of the Association of Canadian Ergonomics Conference Oct. 2006.

Follow this link to locate resources under ‘Violence Prevention Risk Assessment, Working Alone’

WorkSafeBC (2012 Edition) Working Alone - A Handbook for Small Business http://www.worksafebc.com/publications/health_and_safety/by_topic/assets/pdf/BK131.pdf

York T. & MacAlister D. (2015) *Hospital and Healthcare Security 6th Edition*

10.4 Safety and Occupational Hygiene in Healthcare Design

Illuminating Engineering Society. (2006). *Lighting for hospitals and healthcare facilities*.

ASHRAE. (2013). HVAC design manual for hospitals and clinics. (2nd edition). Atlanta, GA:

Hongisto, V., & Keränen, J. (Larm, P.). *Prediction of speech transmission index in open-plan offices*. Joint baltic-nordic acoustics meeting 2004, Mariehamn, Åland. Retrieved from http://www.akustinenseura.fi/wp-content/uploads/2013/08/o14.pdf

Lewitz, J. (2003). Privacy in the office environment: Understanding the sound and the silence. Sound & Communications, Testa Communications, Retrieved from http://www.soundandcommunications.com/archive_site/audio/2003_12_audio.htm

Ozanne-Smith, J., Guy, J., Kelly, M., & Clapperton, A. (2008). The relationship between slips, trips and falls and the design and construction of buildings. *Monash University Accident Research Centre*, *Report No. 281*, Retrieved from http://www.monash.edu.au/miri/research/reports/muarc281.pdf

The lighting handbook. (10th ed.). Illuminating Engineering Society.

Tijunelis, M. A., Fitzsullivan, E., & Henderson, S. O. (2005). Noise in the ed. *The American Journal of Emergency Medicine*, *23*(3), doi: http://dx.doi.org/10.1016/j.ajem.2005.02.037

U.S. Environmental Protection Agency, Office of Noise Abatement and Control and Office of the Scientific Assistant. (1979). Noise effects handbook: A desk reference to health and welfare effects of noise (EPA 500-9-82-106). Retrieved from National Association of Noise Control Officials website: http://www.nonoise.org/library/handbook/handbook.htm

World Health Organization. (1995). Guidelines for community noise. Stockholm, Sweden: Stockholm University and Karolinska Institute. Retrieved from http://whqlibdoc.who.int/hq/1999/a68672.pdf

APPENDIX 1I - SECURITY OPERATIONS MATRIX

	Room or Zone Type	High Level Description of Functional Intent	Card Reader Placement (CR)	Card Reader Type	Key Override	Door Contact (DC)	Request to Exit Device (RX)	Video Door Intercom (VDI)	Remote Release (RR)	Camera Location	Camera Pixel Density
Corridors & Departments	Exterior Perimeter Doors, Non Entry	Secure, Exit Only	N/A	N/A	N/A	Yes	Yes	No	No	Both Sides	RC - Recognition
	Exterior Perimeter Doors, Main Entry	Door operator with motion sensor, to facilitate free flow during public hours, secure card access after-hours from outside, free egressing from the inside. Provide video intercom and remote release. All exterior doors with access control are to be programmed via the access control system to restrict ingress access using a button placed in the Security Office.	Public Side	Card Reader	Yes	Yes	Yes	Yes	Yes	Both Sides	ID - Identification
	Department Perimeter Doors	Secure card access after-hours, doors with operators and hold open during hours of operation. Provide dept. ability to secure doors in event of outbreak, after-hours access etc.	Public Side	Card Reader	Yes	Yes	Yes	Yes	Yes	Both Sides	RC - Recognition
	Department Perimeter Doors - Emergency Department	Secure, locking capability after-hours, card access, doors with operators. Provide video intercom and remote release delivery doors and Public entry points. All access points to the department need to be connected to a "restreicted access button" in the event that the ED needs to isolate its self from the site	Both Sides	Card Reader	Yes	Yes	Yes	Yes	Yes	Both Sides	ID - Identification
	Department Perimeter Doors - Maternity Services Unit	Secure 24 hours, card access, doors with operators. Provide video intercom and remote release. Restricted egress via Infant Protection system	Both Sides	Card Reader	Yes	Yes	Yes	Yes	Yes	Both Sides	ID - Identification
	Department Perimeter Doors - Pharmacy	Secure, locking capability after-hours, card access, doors with operators. Provide video intercom and remote release only at delivery doors.	Public Side	Card Reader	Yes	Yes	Yes	Yes	Yes	Both Sides	ID - Identification
	Department Perimeter Doors - Medical/Surgical Unit	Secure, locking capability after-hours, card access, doors with operators. Provide video intercom and remote release at entrance doors. Restricted egress via the Patient Wandering System.	Public Side	Card Reader	Yes	Yes	Yes	Yes	Yes	Both Sides	ID - Identification
	Public Zone Double Egress Doors in Corridors	Electric hold open to facilitate free flow, tied to fire alarm as required. If door has to remain closed, provide door operator with hands free motion sensor	N/A	N/A	N/A	N/A	No	N/A	N/A	N/A	N/A
	Staff Zone, Perimeter Doors (Boundary)	Secure, with card access for Staff, door operator	Public Side	Card Reader	No	Yes	Yes	No	No	Public Side	RC - Recognition
	Staff & Patient Zone, Double Egress Doors in Corridor	Door operator with motion sensor, hold open to facilitate free flow during public hours, secure card access after-hours	Both Sides	Card Reader	Yes	Yes	No	No	No	Both Sides	RC - Recognition
	Exit Stair Doors inside Departments	Panic, secured with card reader both sides, remote and local release to meet the requirements by Authority Having Jurisdiction, audible alarm.	Both Sides	Card Reader	Yes	Yes	No	No	No	Both Sides	ID - Identification
	Exit Stair Doors going into a Department	Panic, secured with card reader both sides, remote and local release to meet the requirements by Authority Having Jurisdiction, audible alarm.	Both Sides	Card Reader	Yes	Yes	No	No	No	Both Sides	RC - Recognition
	Public Lobbies	Public lobbies, Elevator lobbies and other public gathering spaces	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Public Side	ID - Identification
	Public Corridor(s)	Public spaces between departments and external spaces	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Public Side	ID - Identification
	All Exterior Doors-Restricted Access	All exterior doors with electronic access control are to be controllable via a "Restricted Accees button" located in the Security office and ED Traige/Admitting. When pressed all exterior doors are to secure to Card Only for ingress	Exterior	Card Reader	Yes	Yes	Yes	If required	If required	Both Sides	ID - Identification

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PREAMBLE

Without limiting the requirements of the Statement of Requirements in respect of equipment and furnishings, the Design-Builder will complete the Design and Construction to integrate and accommodate all equipment and furnishings in the Facility, including all required electrical and plumbing connections, structural support, seismic restraints and space for efficient access, all to the tolerances and specifications as may be specified and required by the manufacturers or vendors of the equipment (which may be of a higher standard than specified in this Agreement). The Design-Builder will include equipment and furnishings as part of the development of Design under this Agreement.

1. DEFINITIONS

In this Appendix, in addition to the definitions set out in Schedule 1 of this Agreement:

"**Category 1A Equipment**" means the equipment described and listed as "Category 1A" in the Equipment List. This equipment is to be delivered pre-substantial completion and installed by Design-Builder;

"**Category 1B Equipment**" means the equipment described and listed as "Category 1B" in the Equipment List. This equipment is to be delivered post-substantial completion and installed by Design-Builder;

"**Category 2 Equipment**" means the equipment described and listed as "Category 2" in the Equipment List. This equipment is defined as IMIT-related equipment;

"**Category 3 Equipment**" means the equipment described and listed as "Category 3" in the Equipment List. This equipment is defined as Biomed-related equipment;

"**Category 4 Equipment**" means the equipment described and listed as "Category 4" in the Equipment List. This equipment is defined as vendor installed equipment;

"**Commission**" means to test, calibrate, certify or otherwise verify the equipment or system in accordance with any commissioning requirements set out in this Agreement, all applicable standards and Good Industry Practice, and includes ensuring that the Equipment is operating in accordance with the manufacturer's and end user's requirements and specifications, and "**Commissioning**" and "**Commissioned**" have corresponding meanings;

"**Coordinate**" means project management to coordinate, schedule, manage, contact and solicit input or arrange services required to ensure the Setup, Installation and Commissioning of Equipment and any required documentation is completed, and "**Coordination**" and "**Coordinating**" have corresponding meanings;

"**Deliver**" means to ensure the Equipment is sent to and arrives at the Facility, and "**Delivery**" and "**Delivered**" have corresponding meanings;

"**Equipment**" means collectively, the Category 1A Equipment, the Category 1B Equipment, the Category 2 Equipment, the Category 3 Equipment, the Category 4 Equipment, all as outlined in the Equipment List, but does not include Placeholder Equipment unless specifically noted in this Agreement;

"**Equipment Data Sheets**" means the equipment cut sheets, shop drawings or other data sheets set out in Attachment 2 to this Appendix containing specifications for items of equipment on the Equipment List, as those documents may be provided, updated, amended and supplemented in accordance with this Agreement;

"**Equipment List**" means the list of Category 1A Equipment, Category 1B Equipment, Category 2 Equipment, Category 3 Equipment, Category 4 Equipment set out in Attachment 1 to this Appendix;

"**Install**" means to put in place or attach to the Facility, including making connections to necessary building services (including plumbing, heating, cooling, ventilation and electricity) and connection to necessary communication or network interfaces or devices, by qualified tradespeople where necessary, all in coordination with the Authority's IMIT or Biomed staff and in compliance with the work permits issued, and "**Installation**" and "**Installed**" have corresponding meanings;

"**Placeholder Equipment**" means Equipment that is not Installed in the Facility at Substantial Completion, but will be Installed in the future, not including relocated Equipment, as further described in Section 8 of this Appendix;

"**Procurement**" means the management and completion of procurement processes, as part of Supply for Category 1A Equipment, Category 1B Equipment, Category 2 Equipment, Category 3 Equipment, Category 4 Equipment pursuant to Section 6 of this Appendix, and "**Procure**" and "**Procured**" has a corresponding meaning;

"**Receive**" means the provision of facilities, devices, equipment and staff to accept delivered Equipment, provide a secure Staging and Storage environment for Equipment prior to Setup, and, where necessary, prepare and manage the return of Equipment, and "**Received**", "**Receipt**" and "**Receiving**" have corresponding meanings;

"**Setup**" includes:

(a) disconnecting, detaching and packing relocated Equipment for transportation;

(b) transportation and movement of Equipment within the Facility to/from the Receiving, Staging, Storage or existing location (in old facility) to the final location, including provision of adequate devices, equipment or other materials to safely move such Equipment;

(c) placement of Equipment in the final location within the Facility; and

(d) any necessary unwrapping, unpacking, labelling, assembly, tagging or other inventory requirements, including the correct disposal of all dunnage, packing or other waste materials.

"**Staging**" means the provision of secure space with appropriate environment to allow the assembly, programming, testing or other functions on Equipment by Authority staff, vendors or other 3rd parties prior to Setup in the final location within the Facility, and "**Stage**" and "**Staged**" have corresponding meanings;

"**Storage**" means the provision of secure space with appropriate environment to allow Received Equipment to be set, placed, loaded, unloaded or otherwise warehoused without damage while awaiting Setup, and "**Store**", "**Stored**" and "**Storing**" have corresponding meanings;

"**Supply**" means the management and completion of procurement processes up to and including Delivery, for Equipment, including the payment to vendors, and "**Supplied**" has a corresponding meaning;

2. CATEGORY 1 EQUIPMENT

2.1 Category 1A and Category 1B Responsibilities

Subject to 8.1, the Authority will, at its cost, be responsible for the Supply of any Category 1A and Category 1B Equipment.

Design-Builder will, at its cost, be responsible for the Coordination, Receipt, Setup, Storage, Installation and Commissioning of any Category 1A and Category 1B Equipment.

3. CATEGORY 2 EQUIPMENT

3.1 Category 2 Responsibilities

Subject to 8.1, the Authority will, at its cost, be responsible for the Supply, Setup, Storage, Installation and Commissioning of any Category 2 Equipment.

Design-Builder will, at its cost, be responsible for the Coordination and Receipt of any Category 2 Equipment.

4. CATEGORY 3 EQUIPMENT

4.1 Category 3 Responsibilities

Subject to 8.1, the Authority will, at its cost, be responsible for the Supply, Setup, Storage, Installation and Commissioning of any Category 3 Equipment.

Design-Builder will, at its cost, be responsible for the Coordination and Receipt of any Category 3 Equipment.

5. CATEGORY 4 EQUIPMENT

5.1 Category 4 Responsibilities

Subject to 8.1, the Authority will, at its cost, be responsible for Supply, Setup, Storage, Installation and Commissioning of any Category 4 Equipment.

Design-Builder will, at its cost, be responsible for the Coordination and Receipt of any Category 4 Equipment.

6. RELOCATED EQUIPMENT

6.1 Relocated Equipment

Notwithstanding anything in Sections 2, 3, 4 or 5 of this Appendix but subject to this Section 6, the Authority will be responsible for the relocation of relocated Equipment, including any Coordination, Receipt, Setup, Storage, Installation and Commissioning for any relocated Equipment.

For greater certainty, both parties acknowledge that relocated Equipment is included in the categories of Equipment in the Equipment List.

6.2 Design to Incorporate Relocated Equipment

Design-Builder must ensure that the Design of the Facility accommodates the relocated Equipment.

6.3 Integration of Equipment with Design of Facility

Design-Builder will ensure that relocated Equipment is integrated in accordance with Good Industry Practice with the overall design of the Facility and will include such relocated Equipment as part of the Design development process.

7. PLACEHOLDER EQUIPMENT

7.1 Placeholder Equipment

The Placeholder Equipment, as described on the Equipment List, is indicative of the Equipment that may be required in the future, and its general location in the Facility.

7.2 Design to Incorporate Placeholder Equipment

Design-Builder must ensure that the Design of the Facility accommodates the Placeholder Equipment.

7.3 Integration of Equipment with Design of Facility

Design-Builder will ensure that Placeholder Equipment is integrated in accordance with Good Industry Practice with the overall design of the Facility and will include such Placeholder Equipment as part of the Design development process.

7.4 Acknowledgements Regarding Services and Placeholder Equipment

The parties acknowledge and agree that Design-Builder's obligation to perform services does not include any obligations in respect of Placeholder Equipment. The parties further acknowledge that any requirement on the part of the Authority for Design-Builder to Coordinate, Supply, Receive, Store, Setup, Install, Commission Requirements in respect of Placeholder Equipment will be a Change.

8. GENERAL

8.1 Authority Not Obligated to Procure Equipment

The Authority intends to Procure but, subject to Section 8.3 of this Appendix, the Authority is not obligated to Procure the items of Category 1A Equipment, Category 1B Equipment, Category 2 Equipment, Category 3 Equipment or Category 4 Equipment shown on the Equipment List.

8.2 Integration of Equipment with Design of Facility and General Obligations

Design-Builder will ensure that all Equipment is integrated in accordance with Good Industry Practice with the overall Design of the Facility and will include such Equipment as part of the Design development process.

Design-Builder will document transportation routes for Equipment Setup and ensure the Facility is designed as a sustainable entity, with a focus on long-term operations for Equipment removal and reinstallation in the future.

8.3 Changes to the Equipment List and Equipment Data Sheets

The parties acknowledge that:

(a) as at the Effective Date, the Equipment List and the Equipment Data Sheets have not been finalized and, during the Construction Period, changes to the Equipment List and/or the Equipment Data Sheets may be requested by the Authority or may occur as part of the Design development process;

(b) updates to the Equipment List and/or the Equipment Data Sheets may be required from time to time because of manufacturers' or vendors' changes, including changes to equipment availability, specifications and models, and changes in clinical practice;

(c) the Authority may substitute relocated Equipment for any piece of Equipment on the Equipment List;

(d) multiple Equipment Data Sheets may be provided for certain pieces of Equipment, but the Authority retains the right to select an alternative Equipment design for which no Equipment Data Sheet was provided; and

(e) increases or decreases in the quantities of Equipment, substitution of items on the Equipment List or other changes to the Equipment List and the effects that such changes to the Equipment List or the Equipment Data Sheets may have on the Design or the Construction may result in a net decrease, net increase or no net change in the cost to Design-Builder to complete the Design and the Construction.

Accordingly, the parties will:

(f) cooperate to identify no net cost solutions to any proposed changes to the Equipment List or the Equipment Data Sheets;

(g) endeavour to agree to an expedited Change process to deal with Equipment changes; and

(h) cooperate to amend the Equipment List or the Equipment Data Sheets so that they are accurate and complete as required for Design-Builder to proceed with the Design and Construction without delay.

Design-Builder agrees that if changes are required to the Equipment List or the Equipment Data Sheets, including additional Equipment, as a result of the Design development process, Design-Builder will not be entitled to any Changes that increase the amount of compensation or time for completion of the Design and Construction.

8.4 Equipment Logistics Schedule

The principles noted below will be followed with regard to the Equipment Logistics Schedule:

(a) in order to take advantage of the most recent technological advances in Equipment, final decisions on the selection of Equipment, together with any training or service requirements, will not be made by the Authority until as late as possible in the Construction Period, with Design-Builder implementing a just in time delivery approach to maximize technology gains to the greatest extent possible;

(b) the Authority will require adequate time to perform its Procurement responsibilities;

(c) due to the sensitivity of Equipment, Delivery may need to be delayed as late as possible into the Construction Period;

(d) the Authority will require the ability to take advantage of bulk or other purchase opportunities advantageous to it; and

(e) Design-Builder will allow adequate time to achieve the matters contemplated by this Appendix without any adverse effect on Design and Construction and without any adverse effect on Design-Builder's ability to achieve Substantial Completion.

8.5 Equipment Delivery and Installation Timing

The Design-Builder will:

(a) as early as practicable in accordance with Good Industry Practice and without limiting any of Design-Builder's other obligations under this Section 8.5, identify to the Authority:

(1) each item of Category 1A Equipment, Category 2 Equipment, Category 3 Equipment and Category 4 Equipment, if any, that must be Installed in the Facility for Design-Builder to achieve Substantial Completion;

(2) for each item of Category 1A Equipment, Category 2 Equipment, Category 3 Equipment and Category 4 Equipment, identified by Design-Builder under Section 8.5(a)(1) above, if any, the date by which such item must be Delivered and/or Installed so as not to delay the Construction, Substantial Completion or the Authority's use and occupation of the Facility;

(3) for each item of Category 1A Equipment, Category 1B Equipment, Category 2 Equipment, Category 3 Equipment and Category 4 Equipment, the earliest date when the Facility will be available to the Authority to Install such item; and

(4) each item of Category 1A Equipment, Category 1B Equipment, Category 2 Equipment, Category 3 Equipment and Category 4 Equipment which was damaged prior to Receipt.

The parties acknowledge that the relocated Equipment will be scheduled to align with the operational commissioning timeline and requirements of the Authority, which may include relocation pre or post Substantial Completion.

8.6 Staging and Storage

Design-Builder will:

(a) provide a secure, dry space to accommodate Staging and Storage of all Equipment;

(b) allow Authority representatives to access and work within the space;

(c) ensure that the space is heated and/or cooled, as necessary;

(d) provide power to the space and will notify the Authority, in advance, of any power interruptions;

(e) Coordinate with the Authority and vendors so that when Delivered, Equipment that is sensitive to vibrations, movement and dust (such as medical equipment) can be immediately placed in its final location, whenever possible, to minimize additional handling and to prevent damage to the sensitive and valuable equipment; and

(f) provide transportation routes and communicate such routes to those moving Equipment within the Facility.

8.7 Coordination

Design-Builder will:

Coordinate its personnel, the Authority's personnel, vendor's representatives and all other persons necessary to ensure that Equipment is Setup, Installed and Commissioned in accordance with this Appendix.

8.8 Authority Responsibility for Vendor's Installation and Commissioning

Design-Builder acknowledges that any of the Authority's responsibilities under this Appendix may be performed by a vendor or contractor engaged by the Authority.

8.9 Guidance Material and Manuals

On or before the Substantial Completion, Design-Builder will transfer and deliver to the Authority all guidance material and manuals relating to the Equipment, in hard copy and soft copy whenever possible, as produced and provided by the vendor of such items.

8.10 No Limitation

Without limiting this Appendix, the Equipment shown on the Equipment List and in the Equipment Data Sheets is not intended to be exhaustive or be an indication of the minimum Equipment required. It is not intended to be relied upon by Design-Builder, does not limit the requirements of the Design and Construction Specifications, and provides only an indication of some of the Equipment that the Authority may typically require. The Authority may add or delete Equipment from the Equipment List at any time, in its sole discretion.

8.11 Build to Three

The Authority will provide Equipment Data Sheets, where available, to Design-Builder, containing the attributes of up to three models for a particular piece of Equipment. Design-Builder acknowledges and agrees that the Design of the Facility will be neutral as to which vendor is selected and must be capable of accommodating the attributes of each of the Equipment models for which an Equipment Data Sheet is provided. For greater certainty, Design-Builder will consider at minimum the detailed integration of generic Equipment's spatial and utility requirements into the base architectural, structural, mechanical, electrical and information management and information technology designs.

8.12 Bariatric Specifications

In addition to the three Equipment Data Sheets provided by the Authority in Section 8.3, the Authority may provide an additional Equipment Data Sheet for a model of Equipment with bariatric specifications. If the Authority provides such an Equipment Data Sheet, Design-Builder must incorporate the specifications for the purpose of meeting its bariatric requirements.

8.13 Cost and Disruption Minimization

Design-Builder must ensure that its obligations in respect to Equipment as required under this Agreement will be completed in an effective and efficient manner so as to:

(a) minimize to the greatest extent reasonably possible all disruptions of Authority Activities;

(b) minimize additional costs to the Authority;

(c) be completed prior to Substantial Completion, unless such requirement is waived by the Authority.

8.14 General Receiving Requirements

Design-Builder will:

(a) ensure that all Receiving functions are done, and

(b) ensure that no Receiving functions impede construction.

The Authority will:

(a) ensure that Health Authority's Meditech System is updated with packing slip information.

8.15 General Commissioning Requirements

Design-Builder will:

(a) ensure that vendor specifications for storage regarding pre- and post-Installation periods are examined, fully documented and executed, with the cost to be borne by Design-Builder for such maintenance and Commissioning and re-Commissioning if required.

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
	A - Emergency Department																					
	A1 Department Entrance Area																					
Phase 1	A1.1	1101	ER	1	Vestibule-Walk-In Entrance	dispenser	waterless	hand wash	2021-10-26	1048		x	x						1	1		1
Phase 1	A1.1	1101	ER	1	Vestibule-Walk-In Entrance	wheelchair	Staxi		2022-06-06	1089.1		x		x					3	3		3
Phase 1	A1.1	1101	ER	1	Vestibule-Walk-In Entrance	wheelchair	Staxi	bariatric	2022-06-06	1089.1		x		x					1	1		1
Phase 1	A1.1	1101	ER	1	Vestibule-Walk-In Entrance	wheelchair	docking station	Staxi	2022-11-30	1089.2		x		x					1	1		1
Phase 1	A1.1	1101	ER	1	Vestibule-Walk-In Entrance															0		0
Phase 1	A1.1.1	1COR01.01	ER	1	Alcove Respiratory Station															0		0
Phase 1	A1.2	1106	ER	1	Workstation Registration	computer terminal	pc	dual monitors	2022-06-06	6001		x			x				1	1	1	2
Phase 1	A1.2	1106	ER	1	Workstation Registration	machine	point of sale		2021-10-14	6024.1	x				x			1		1		1
Phase 1	A1.2	1106	ER	1	Workstation Registration	chair	visitor		2022-04-26	5007		x					x		1	1		1
Phase 1	A1.2	1106	ER	1	Workstation Registration	chair	task	80%	2022-02-23	5006.12		x					x		1	1	1	2
Phase 1	A1.2	1106	ER	1	Workstation Registration	container	garbage	medium	2022-02-23	1035		x		x					1	1	1	2
Phase 1	A1.2	1106	ER	1	Workstation Registration	container	recycling	large	2022-02-23	1037		x		x					1	1	1	2
Phase 1	A1.2	1106	ER	1	Workstation Registration	whiteboard	magnetic	2x3	2022-03-24	1090		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.2	1106	ER	1	Workstation Registration	ticket dispenser system			2022-02-03	6010.9		p/h		x						0	1	1
Phase 1	A1.2	1106	ER	1	Workstation Registration	pedestal	mobile		2022-03-25	5000		x					x		1	1		1
Phase 1	A1.2	1106	ER	1	Workstation Registration															0		0
	Corridors, Public - Level 1 ER																					
Phase 1	101-C	1COR01	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR02	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR02	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR02	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR02	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR03	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR03	ER	1	Corridor, Public	station	charging	cell phone	2022-11-28	1327		x			x				1	1		1
Phase 1	101-C	1COR03	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR03	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR04	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	101-C	1COR04	ER	1	Corridor, Public	dispenser	waterless	hand wash	2021-10-20	1048		x	x						1	1		1
Phase 1	A1.3 (a)	1106	ER	1	Workroom Business Machine	printer	mfd small	CMHEMRP4	2022-04-26	6004.3b	x				x			1		1		1
Phase 1	A1.3 (a)	1106	ER	1	Workroom Business Machine	printer	label	zebra	2022-03-02	6011.4		x			x				1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.3 (a)	1106	ER	1	Workroom Business Machine	printer	label		2022-03-24	6011.4		x			x				1	1		1
Phase 1	A1.3 (a)	1106	ER	1	Workroom Business Machine	container	recycling	large	2020-03-26	1037	x							1		1		1
Phase 1	A1.3 (a)	1106	ER	1	Workroom Business Machine	bin	recycling	confidential	2022-07-15	1222.1										0		0
Phase 1	A1.3 (a)	1106	ER	1	Workroom Business Machine															0		0
Phase 1	A1.3	1231	ER	1	Workroom Business Machine (CTS)	printer	mfd		2022-03-02	6004.3c	x				x			1		1		1
Phase 1	A1.3	1231	ER	1	Workroom Business Machine (CTS)	printer	label	zebra	2022-03-02	6011.4		x			x				1	1		1
Phase 1	A1.3	1231	ER	1	Workroom Business Machine (CTS)	cabinet	filing	2 drawer lateral, dimensions: 92cm W x 69cm H x 46cm D	2022-07-14	5010										0		0
Phase 1	A1.3	1231	ER	1	Workroom Business Machine (CTS)	container	garbage	medium	2020-03-26	1035		x		x				1		1		1
Phase 1	A1.3	1231	ER	1	Workroom Business Machine (CTS)	container	recycling	large	2020-03-26	1037	x							1		1		1
Phase 1	A1.3	1231	ER	1	Workroom Business Machine (CTS)	bin	recycling	confidential	2022-04-27	1222.1	x							1		1		1
Phase 1	A1.3	1231	ER	1	Workroom Business Machine (CTS)															0		0
Phase 1	A1.4	1105	ER	1	Interview Room Triage	computer terminal	wow		2022-05-17	6022		x			x				1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	computer terminal	pc	care card reader	2022-11-29	6001		x			x				1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	workstation	mobile	single monitor (VHRC variable height)	2022-06-16	6009.5		x			x				1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.4	1105	ER	1	Interview Room Triage	electronic display monitor	Meditech tracker	24" wall mount (column)	2022-09-15	6002		x		x					1	1	1	2
Phase 1	A1.4	1105	ER	1	Interview Room Triage	cable	coaxial	6' w/ screw on connector	2022-09-15	6002		x	x						1	1	1	2
Phase 1	A1.4	1105	ER	1	Interview Room Triage	bracket	Meditech tracker	wall mount tilt	2022-11-22	1013.25		x			x				1	1	1	2
Phase 1	A1.4	1105	ER	1	Interview Room Triage	computer terminal	zero client	no monitor	2022-06-21	6000		x			x				1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	bracket	computer	zero client	2022-06-21	7061.3		x			x				1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	printer	label		2022-04-06	6011.2	x				x			1		1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	printer	laser		2022-04-26	6004.1		x			x				1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-12-28	1068.1		x				x			1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	diagnostic set			2022-06-06	1098.2										0		0
Phase 1	A1.4	1105	ER	1	Interview Room Triage	sphygmomanometer			2022-07-15	1093.3										0		0
Phase 1	A1.4	1105	ER	1	Interview Room Triage	equipment rail	horizontal mount		2022-07-15	2022.2										0		0
Phase 1	A1.4	1105	ER	1	Interview Room Triage	glucometer			2021-07-27	1098	x					x		1		1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	chair	visitor		2020-03-26	5007		x					x		2	2		2
Phase 1	A1.4	1105	ER	1	Interview Room Triage	chair	task	80%	2022-12-01	5006.12		x					x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.4	1105	ER	1	Interview Room Triage	scale	digital	floor with height bar	2022-03-15	1149.2	x				x			1		1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	scale	baby		2022-04-08	1183.2	x							1		1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	cart	procedure	triage	2022-07-14	1145.3		x		x					1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	dispenser	paper towel		2022-03-17	1044		x	x						1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	dispenser	soap		2022-03-17	1045		x	x						1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	A1.4	1105	ER	1	Interview Room Triage	container	garbage		2022-03-17	1035.1		x		x					2	2		2
Phase 1	A1.4	1105	ER	1	Interview Room Triage	dispenser	waterless	hand wash	2022-04-06	1048		x	x						2	2		2
Phase 1	A1.4	1105	ER	1	Interview Room Triage															0		0
Phase 1	A1.5	1104	ER	1	Exam Room Triage	computer terminal	wow	left side of patient head of bed	2022-03-14	6022		x			x				1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	computer terminal	pc	care card reader computer	2022-04-06	6001					x					0		0
Phase 1	A1.5	1104	ER	1	Exam Room Triage	stretcher			2021-10-20	1081		x	x						1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	chair	visitor		2021-10-21	5007		x					x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.5	1104	ER	1	Exam Room Triage	hamper	linen	Meditech 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	ceiling lift	x-y gantry		2022-03-31	1031		x		x					1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	light	exam	ceiling articulating	2022-12-16	1060.10		x		x					1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	flowmeter	oxygen		2021-09-15	1051		x		x					2	2		2
Phase 1	A1.5	1104	ER	1	Exam Room Triage	flowmeter	medical air		2021-09-15	1049		x		x					2	2		2
Phase 1	A1.5	1104	ER	1	Exam Room Triage	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A1.5	1104	ER	1	Exam Room Triage	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A1.5	1104	ER	1	Exam Room Triage	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A1.5	1104	ER	1	Exam Room Triage	dispenser	glove	quad universal	2021-10-20	1042.6		x								0		0
Phase 1	A1.5	1104	ER	1	Exam Room Triage	dispenser	waterless	hand wash	2022-04-27	1048		x		x					1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	container	garbage	medium	2020-03-26	1035.1		x		x					1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x				x			1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	sphygmomanometer	mobile		2022-04-27	1098	x							1		1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	monitor	vital sign	mobile	2022-12-28	1068.1		x				x			1	1		1
Phase 1	A1.5	1104	ER	1	Exam Room Triage	machine	ecg		2022-07-14	1273.1		x				x			1	1	1	2
Phase 1	A1.5	1104	ER	1	Exam Room Triage															0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	flowmeter	oxygen		2022-07-07	1051		x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	flowmeter	medical air		2022-07-07	1049		x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	regulator	vacuum	add nipple	2022-07-07	1079		x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	basket			2022-07-14	2006.3		x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	table	overbed		2021-10-26			x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	chair	visitor		2022-03-24	5007		x					x		1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	monitor	vital sign	mobile	2022-12-28	1068.1		x				x			1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	screen	privacy	wall mounted	2022-03-24	8005		x	x						1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	whiteboard	magnetic	2x3	2022-12-16	1090		x	x						1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage															0		0
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	flowmeter	oxygen		2022-07-07	1051		x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	flowmeter	medical air		2022-07-07	1049		x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	regulator	vacuum	add nipple	2022-07-07	1079		x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	chair	visitor		2021-10-26	5007		x					x		1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage	screen	privacy	wall mounted	2022-03-24	8005		x	x						1	1		1
Phase 1	A1.6	1222	ER	1	Holding Area Ambulance Stretcher Triage															0		0
Phase 1	A1.6.1	1COR15.02	ER	1	Workstation Clinician	computer terminal	pc		2021-10-14	6001		p/h			x					0	1	1

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Phase 1	A1.6.1	1COR15.02	ER	1	Workstation Clinician	chair	task	60%	2021-10-14	5006.12		p/h					x			0	1	1
Phase 1	A1.6.1	1COR15.02	ER	1	Workstation Clinician	container	garbage	large	2021-10-14	1035.1		p/h		x						0	1	1
Phase 1	A1.6.1	1COR15.02	ER	1	Workstation Clinician	locker			2022-07-07		x			x				1		1		1
Phase 1	A1.6.1	1COR15.02	ER	1	Workstation Clinician															0		0
Phase 1	A1.7	1103	ER	1	Waiting Area General	chair	waiting	single with arms	2022-07-14	5008		x					x		11	11		11
Phase 1	A1.7	1103	ER	1	Waiting Area General	chair	waiting	hip single with arms	2021-09-17	5008		x					x		1	1		1
Phase 1	A1.7	1103	ER	1	Waiting Area General	chair	waiting	bariatric	2021-09-17	5008		x					x		2	2		2
Phase 1	A1.7	1103	ER	1	Waiting Area General	table	end		2020-03-26	5017		x					x		2	2		2
Phase 1	A1.7	1103	ER	1	Waiting Area General	container	garbage	medium	2020-03-26	1035		x		x					2	2		2
Phase 1	A1.7	1103	ER	1	Waiting Area General	television	digital messaging	public 43"	2022-11-22	6006		x		x					1	1		1
Phase 1	A1.7	1103	ER	1	Waiting Area General	cable	television		2022-11-22	6006		x	x						1	1		1
Phase 1	A1.7	1103	ER	1	Waiting Area General	bracket	television	ceiling mount	2021-10-01	1013.3		x	x						1	1		1
Phase 1	A1.7	1103	ER	1	Waiting Area General	television	entertainment	public 43"	2022-11-22	6006	x							1		1		1
Phase 1	A1.7	1103	ER	1	Waiting Area General	bracket	television	ceiling mount	2022-11-22	1013.3		x	x						1	1		1
Phase 1	A1.7	1103	ER	1	Waiting Area General	dvd player			2021-07-27	1013	x							1		1		1
Phase 1	A1.7	1103	ER	1	Waiting Area General	dispenser	waterless	hand wash	2022-11-01	1048		x	x						2	2		2
Phase 1	A1.7	1103	ER	1	Waiting Area General															0		0
Phase 1	A1.7.1	1COR01.01	ER	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2022-03-14	1044										0		0
Phase 1	A1.7.1	1COR01.01	ER	1	Alcove Hand Hygiene Sink	dispenser	soap		2022-03-14	1045										0		0
Phase 1	A1.7.1	1COR01.01	ER	1	Alcove Hand Hygiene Sink	container	garbage	large	2022-02-17	1035.1				x						0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.1.3	1103.02	ER	1	Child Playroom	play equipment			2022-03-24	8003										0		0
Phase 1	A1.1.3	1103.02	ER	1	Child Playroom	container	garbage	medium	2022-11-17	1035	x			x				1		1		1
Phase 1	A1.1.3	1103.02	ER	1	Child Playroom	television	entertainment	public 43"	2022-11-17	6006	x							1		1		1
Phase 1	A1.1.3	1103.02	ER	1	Child Playroom	bracket	television	ceiling mount	2022-11-22	1013.3		x	x						1	1		1
Phase 1	A1.1.3	1103.02	ER	1	Child Playroom	rug	play		22-11-17		x			x				1		1		1
Phase 1	A1.1.3	1103.02	ER	1	Child Playroom															0		0
Phase 1	A1.8	1COR01.01	ER	1	Alcove Registration Kiosk				2020-03-18											0		0
Phase 1	A1.9	1COR02.01	ER	1	Alcove Vending Machine				2020-03-18											0		0
Phase 1	A1.10	1103.03	ER	1	Alcove Visitor Phone															0		0
Phase 1	A1.11	1102	ER	1	Office Security	workstation	height adjustable		2022-04-25	4025		x					x		2	2		2
Phase 1	A1.11	1102	ER	1	Office Security	computer terminal	pc	27" dual monitors on desktop	2022-03-29	6001		x			x			1		1		1
Phase 1	A1.11	1102	ER	1	Office Security	computer terminal	pc	wireless keyboard & mouse required	2022-05-03	6001		x			x				1	1		1
Phase 1	A1.11	1102	ER	1	Office Security	television	monitor	43" ceiling mount	2022-11-22	6007.9		x					x		2	2	0	2
Phase 1	A1.11	1102	ER	1	Office Security	cable	computer	30' HDMI (MJ)	2022-11-22			x			x				2	2		2
Phase 1	A1.11	1102	ER	1	Office Security	bracket	television	ceiling mount	2022-11-22	1013.23		x			x				1	1	0	1
Phase 1	A1.11	1102	ER	1	Office Security	computer terminal	pc	single monitor on desktop, keyboard and mouse	2022-04-29	6001	x				x			1		1		1
Phase 1	A1.11	1102	ER	1	Office Security	container	garbage	large	2021-06-16	1035.1		x		x					2	2		2
Phase 1	A1.11	1102	ER	1	Office Security	chair	task	80%	2021-06-16	5006.12		x					x		2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.11	1102	ER	1	Office Security	container	recycling	large	2021-06-16	1037		x		x					2	2		2
Phase 1	A1.11	1102	ER	1	Office Security	cabinet	filing	lateral 4 drawer	2022-03-29	5010.5		x		x					1	1		1
Phase 1	A1.11	1102	ER	1	Office Security	board	bulletin	3'x4'	2022-09-15	1083.2		x	x						0	0		0
Phase 1	A1.11	1102	ER	1	Office Security	whiteboard	magnetic	2x3	2022-09-15	1090		x							1	1		1
Phase 1	A1.11	1102	ER	1	Office Security	microwave	domestic		2021-06-16	1066		x							1	1		1
Phase 1	A1.11	1102	ER	1	Office Security	container	recycling		2021-10-26			x		x					1	1		1
Phase 1	A1.11	1102	ER	1	Office Security	printer	laser		2021-11-02	6004					x			1		1		1
Phase 1	A1.11	1102	ER	1	Office Security	refrigerator	domestic	under counter	2022-05-20	1076	x							1		1		1
Phase 1	A1.11	1102	ER	1	Office Security	stand	printer		2022-06-06	1324.1		x					x		1	1		1
Phase 1	A1.11	1102	ER	1	Office Security															0		0
Phase 1	A1.11.1	1102.01	ER	1	Lockers Storage Staff	hamper	linen	Meditech 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-07-12											0		0
Phase 1	A1.11.1	1102.01	ER	1	Lockers Storage Staff				2020-03-26											0		0
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	computer terminal	pc		2021-06-14	6001	x				x			1		1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	printer	laser	CMHNADP1: HP P3015	2022-03-02	6004.5	x				x			1		1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	stand	equipment	printer	2022-01-26	5040	x							1		1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	workstation	office	L-Shape with storage above	2022-03-24	5020	x							1		1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	cabinet	filing	lateral 3 drawer 40.5"H x 35"W x 18"D	2022-01-17	5010	x							1		1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	table	small rectangular	29.5"H x 30"W x 40"L	2022-03-21	5018	x							1		1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	whiteboard	magnetic	2x3	2022-06-16	1090		x	x						1	1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	bookcase	tall	72"H x 36"W x 12"D	2022-01-17	5001.1	x							2		2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	chair	task	80%	2021-06-14	5006	x							1		1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	chair	visitor		2021-06-14	5007	x							2		2		2
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	container	garbage	medium	2021-06-14	1035	x							1		1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator	container	recycling	medium	2022-06-16	1037		x		x					1	1		1
Phase 1	A1.12	1112	ER	1	Office Aboriginal Patient Navigator															0		0
Phase 1	A1.13	1COR01.02	ER	1	Alcove Wheelchair Stretcher	stretcher			2021-05-18	1081		p/h		x						0	1	1
Phase 1	A1.13	1COR01.02	ER	1	Alcove Wheelchair Stretcher	wheelchair	standard		2021-05-18	1089		p/h		x						0	1	1
Phase 1	A1.13	1COR01.02	ER	1	Alcove Wheelchair Stretcher															0		0
Phase 1	A1.14	1111	ER	1	Washroom Public	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A1.14	1111	ER	1	Washroom Public	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A1.14	1111	ER	1	Washroom Public	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A1.14	1111	ER	1	Washroom Public	container	sharps	tamper proof	2023-01-06	1038.16		x	x						1	1		1
Phase 1	A1.14	1111	ER	1	Washroom Public	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A1.15	1103.01	ER	1	Washroom Public Bariatric	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A1.15	1103.01	ER	1	Washroom Public Bariatric	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A1.15	1103.01	ER	1	Washroom Public Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A1.15	1103.01	ER	1	Washroom Public Bariatric	container	sharps	tamper proof	2023-01-06	1038.16		x	x						1	1		1
Phase 1	A1.15	1103.01	ER	1	Washroom Public Bariatric	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
	A2 Ambulance Drive-Through																					
Phase 1	A2.1	not labelled	ER	1	Covered Ambulance Drive Through				2021-09-07											0		0
Phase 1	A2.1.1	1217	ER	1	Vestibule Ambulance Entrance	dispenser	waterless	hand wash	2021-10-26	1048		x	x						2	2		2
Phase 1	A2.2	1213	ER	1	Decontamination Room	stretcher	waterproof shower	gurney	2022-05-03	1081.3		x		x					1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	dispenser	waterless	hand wash	2022-04-27	1048		x		x					1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	flowmeter	oxygen		2020-03-18	1051		x		x					1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	flowmeter	medical air		2020-03-18	1049		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A2.2	1213	ER	1	Decontamination Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	plate	wall	suction	2023-01-10	1052		x	x						1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	container	biohazard	10 gallon	2021-10-18	1034									1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2023-01-03	1036		x		x					1	1		1
Phase 1	A2.2	1213	ER	1	Decontamination Room															0		0
Phase 1	A2.2.1	1213	ER	1	Vestibule Decontamination				2021-09-15											0		0
Phase 1	A2.2.2	1214	ER	1	Washroom Shower Patient	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A2.2.2	1214	ER	1	Washroom Shower Patient	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A2.2.2	1214	ER	1	Washroom Shower Patient	container	garbage	medium	2022-03-24	1035.1		x		x					1	1		1
Phase 1	A2.2.2	1214	ER	1	Washroom Shower Patient	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2023-01-03	1036		x		x					1	1		1
Phase 1	A2.2.2	1214	ER	1	Washroom Shower Patient	dispenser	glove	quad universal	2023-01-03	1042.6			x						0	0		0
Phase 1	A2.2.2	1214	ER	1	Washroom Shower Patient				2021-09-15											0		0
Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination	dispenser	glove	quad universal	2021-09-19	1042.6		x	x						1	1		1
Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination	container	biohazard	10 gallon	2022-03-24	1034		x		x					1	1		1

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Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination	cart	isolation		2022-07-07	1208.7										0		0
Phase 1	A2.2.3	1212	ER	1	Anteroom Decontamination															0		0
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff	dispenser	glove	quad universal	2023-01-03	1042.6			x						0	0		0
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff	macerator	inset in wall	order w/ inset assembly (cut sheet 1063.4)	2022-03-10	1063.1		x	x						1	1		1
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff	insert	wall	macerator	2022-02-28	1063.4		x	x						1	1		1
Phase 1	A2.2.4	1213.1	ER	1	Washroom Shower Staff															0		0
Phase 1	A2.3	1217.01	ER	1	Storage Room Police EMS	dispenser	paper towel		2022-06-17	1044										0		0
Phase 1	A2.3	1217.01	ER	1	Storage Room Police EMS	dispenser	soap		2022-06-17	1045										0		0
Phase 1	A2.3	1217.01	ER	1	Storage Room Police EMS	workstation	mobile	workstation for paperwork	2022-03-24	6009.3		x					x		1	1		1
Phase 1	A2.3	1217.01	ER	1	Storage Room Police EMS	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A2.3	1217.01	ER	1	Storage Room Police EMS	chair	task	80%	2022-03-24	5006.12		x					x		1	1		1
Phase 1	A2.3	1217.01	ER	1	Storage Room Police EMS	cabinet	storage		2022-07-11		x							1		1		1
Phase 1	A2.3	1217.01	ER	1	Storage Room Police EMS	computer terminal	pc		2021-10-26	6001		p/h			x					0	1	1
Phase 1	A2.3	1217.01	ER	1	Storage Room Police EMS				2021-09-15											0		0
Phase 1	A2.5	1252	ER	1	Washroom Staff	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A2.5	1252	ER	1	Washroom Staff	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A2.5	1252	ER	1	Washroom Staff	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A2.5	1252	ER	1	Washroom Staff	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A2.5	1252	ER	1	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	A3 Trauma and Acute Treatment Z																					
	Clinical Area																					

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	computer terminal	PACS tier 2	dual BARCO monitors, Tech D workstation, document scanner, keyboard, mouse	2022-11-25	6003		x			x				1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	bracket	wall mount dual	PACS Barco monitors	2022-11-25	7061.2		x			x				1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	whiteboard	magnetic	2x3	2022-04-27	1090		x	x						1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	monitor physiological	Qube Compact	temporal thermometer per AD, order longest cord avail. For bp cuff, order collars from boom vendor	2022-05-20	2035.13		x					x		1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	system display repeater	physiological	42" wall mount	2022-06-20	2035.17		x					x		1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	bracket	television / physiological	wall mount tilt	2022-03-11	1013.25		x					x		1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	video conferencing	system		2022-11-22	6007		x					x		1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	television	video conferencing	65" wall mount NEC E658	2022-11-22	6007		x					x		1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	bracket	video conferencing	wall mounted tilt	2022-11-22	1013.2			x						1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	misc cords, cables microphone, camera, repeater, etc.	video conferencing equipment	purchase extra HDMI cable to feed data to simulation Annie and extra HDMI for simulation computer	2022-11-22	6007		x					x		1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	pump	infusion	mobile iv pole, Sigma Spectrum	2022-03-24	2041	x					x		5		5		5
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	pole	iv	with power bar and tray for pumps	2022-06-16	1070 / 1070.11		x							1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	cart	crash		2022-11-21	2009.6	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	defibrillator	Lifepak 15	crash cart	2022-11-21	2020	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	suction machine	portable	crash cart	2022-11-21	2052	x					x		1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	scope	intubation	glidescope - mobile	2022-02-24	2074.3	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	stretcher	trauma		2021-07-27	1081	x							1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	container	garbage	large round, mobile	2021-10-14	1035.3	x							1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	dispenser	glove	quad universal	2021-07-02	1042.6		x	x						1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	flowmeter	oxygen		2020-03-18	1051		x		x					6	6		6
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	flowmeter	medical air		2020-03-18	1049		x		x					6	6		6
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					6	6		6
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	basket			2022-07-14	2006.3		x		x					6	6		6
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 mounts for equip. rail accessories - DB supplied	2022-03-24	1098.2		x				x			1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	thermometer	rectal	wall mount	2022-03-11	1098	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	table	overbed	H-base	2021-08-20	1082.7		x		x					1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	chair	task	60%	2022-02-25	5006.12		x					x		2	2		2
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	stool	exam		2021-05-20	5013	x							1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	imaging equipment	radiology	portable x-ray include detector	2022-03-24	3004		p/h				x				0	1	1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	patient lift	air	hover mat	2022-02-24	1091.5	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	board	transfer		2022-03-17	1329.1	x							1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	warmer	blood-fluid	Ranger	2021-07-27	1087	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	ceiling lift	x-y gantry	structural and power only	2022-03-31	1031		x					x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	equipment management system	boom	ceiling mounted with electrical braking system	2022-04-06	2021		x					x		1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	stand	mayo		2020-03-18	2049		x		x					1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	cabinet	warming	shared between bays	2022-04-27	1088										0		0
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	ventilator			2022-04-06	2056.6		x				x			1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	cart	lakeside	Rubbermaid	2021-07-29	1020.6	x							1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	cart	phlebotomy		2022-11-30	1320		x		x					1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	cabinet	storage	Starsys	2022-11-30	1118.18		x		x					2	2		2
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	stool	step	stationary, long grab bar for support	2022-03-24	5014.2		x		x					1	1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	warmer	patient	Bairhugger Biomed Asset #1013243	2022-04-27	1069	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	laser			2022-05-10	2065.3		p/h				x				0	1	1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	machine	ecg	page writer TC70	2022-06-16	1273.1	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	ultrasound		Fujifilm x-porte mobile	2023-01-05	3007.9	x					x		1		1		1
Phase 1	A3.1	1215.01	ER	1	Resuscitation Room	dispenser	waterless	hand wash	2022-09-20	1048		x	x						1	1		1

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Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	computer terminal	pc	single monitor	2022-11-25	6001		x			x				1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	bracket	wall mount single	22" monitor	2022-11-25	7061.2		x			x				1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	monitor physiological	Qube Compact	temporal thermometer per AD, order longest cord avail. For bp cuff, order collars from boom vendor	2022-05-20	2035.13		x					x		1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	system display repeater	physiological	42" wall mount	2022-06-20	2035.17		x					x		1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	bracket	television / physiological	wall mount tilt	2022-04-19	1013.25		x					x		1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	medication management system		1 tower, 1 cell seismic restraint required	2022-03-11	1072.1		x				x			1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	ceiling lift	x-y gantry	structural and power only	2022-03-31	1031		x					x		1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	stretcher	trauma		2020-03-18	1081		x		x					1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	dispenser	paper towel	moved from Bay 1 to Bay 2 per AD	2022-11-21	1044		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	dispenser	soap	moved from Bay 1 to Bay 2 per AD	2022-11-21	1045		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	table	overbed	H-base for charting	2021-08-20	1082.7		x		x					1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	chair	visitor		2022-06-16	5007										0		0
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	equipment management system	boom	ceiling mounted with electrical braking system	2022-04-06	2021		x					x		1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	flowmeter	oxygen		2021-06-04	1051		x		x					6	6		6
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	flowmeter	medical air		2021-06-04	1049		x		x					6	6		6
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					6	6		6
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	basket			2022-07-14	2006.3		x		x					6	6		6

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Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-03-24	1098.2		x				x			1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	container	garbage	large round, mobile	2021-05-20	1035.3	x			x				1		1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	dispenser	glove	quad universal	2021-07-02	1042.6		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	hamper	linen		2021-05-13	1036	x	x		x					1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	whiteboard	magnetic	4x6	2022-03-10	1090.8		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	whiteboard	magnetic	2x3	2022-03-10	1090.5		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	ventilator			2022-01-12	2056.6	x					x		1		1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	pump	infusion	Sigma Spectrum	2021-09-14	2041	x					x		3		3		3
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	warmer	blood-fluid	Ranger	2021-10-26	1087	x					x			1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	warmer	patient	Bairhugger Biomed Asset #1013243	2022-04-27	1069	x					x		1		1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	stand	mayo		2020-03-18	2049		x		x					1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	apron	lead		2021-10-26	3001		x		x					2	2		2
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	holder	apron	lead	2022-07-19	1053.14		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	dispenser	waterless	hand wash	2022-09-20	1048		x	x						1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	cart	intubation	difficult	2023-01-05		x			x				1		1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	cart	procedure	critical intervention cart	2022-07-14	1145.3		x		x					1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	cart	procedure	iv cart	2022-07-14	1145.3		x		x					1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	cart	procedure	med prep cart	2022-07-14	1145.3		x		x					1	1		1

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Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	cart	medication	TBD when doing cart review	2023-01-05	1022	x			x				1		1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	cart	crash	pediatric brose low	2022-11-29	1242		x				x			1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	defibrillator	pediatric	peds crash cart	2022-11-29	2020		x				x			1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	suction machine	portable	peds crash cart	2022-11-28	2052	x					x		1		1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	stool	step	stationary, long grab bar for support	2022-03-24	5014.2		x		x					1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	computer terminal	pc	for wall mounted touchdown station	2022-06-16	6001					x				0	0		0
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	touchdown station		single monitor, keyboard and mouse	2022-06-16	5032									0	0		0
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	computer terminal	wow		2022-06-16	6022		x			x				1	1		1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	laser		Greenlight XPS Laser (0010-0210)	2022-05-10	2065.3		p/h				x				0	1	1
Phase 1	A3.1	1215.02	ER	1	Resuscitation Room	pole	iv	with power bar and tray for pumps	2022-06-16	1070 / 1070.11		x							1	1		1
Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR	dispenser	glove	quad universal	2021-09-19	1042.6		x	x						1	1		1
Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1

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Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR	container	biohazard	size TBD	2022-06-20	1034		x		x					1	1		1
Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR	cart	isolation	size TBD	2022-07-07	1208.7		x		x					1	1		1
Phase 1	A3.1.1	1216	ER	1	Anteroom-AIR															0		0
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	stretcher			2021-09-13	1081	x							1		1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	container	garbage	large - 1 large for sink and 1 small for patients right side	2022-04-06	1035.1		x		x					1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	container	garbage	medium	2022-04-06	1035		x		x					1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	flowmeter	oxygen		2021-10-18	1051		x		x					2	2		2
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	flowmeter	medical air		2021-10-18	1049		x		x					2	2		2
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x				x			1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	chair	visitor		2021-10-21	5007		x					x		1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	dispenser	glove	quad universal	2021-09-19	1042.6		x	x						1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	dispenser	waterless	hand wash	2022-04-27	1048		x	x						1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	monitor physiological	Spacelabs Ultraview SL2600	order longest cord for bp cuff, Massimo SPO2	2022-06-30	2035.10	x					x		1		1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motors	2022-03-31	1031		x					x		1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	pump	infusion	Sigma Spectrum	2021-09-14	2041.1	x					x		1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	stool	step	stationary, long grab bar for support	2022-04-06	5014.2	x							1		1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	touchdown	station	single monitor	2022-04-27	5032										0		0
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	computer terminal	wow		2022-04-27	6022		p/h			x					0	1	1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	light	exam		2022-03-15	1060.10		x		x					1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room															0		0
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	stretcher			2020-03-18	1081	x							1		1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	flowmeter	oxygen		2021-10-18	1051		x		x					2	2		2
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	flowmeter	medical air		2021-10-18	1049		x		x					2	2		2
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x				x			1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	chair	visitor		2021-10-21	5007		x					x		1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	stool	exam		2021-05-20	5013									0	0		0
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	dispenser	glove	quad universal	2021-09-19	1042.6			x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motors	2022-03-31	1031		x					x		1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	pump	infusion	Sigma Spectrum	2021-09-14	2041.1	x					x		1		1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	monitor physiological	Spacelabs Ultra View SL2600	order longest cord for bp cuff, Massimo SPO2	2022-06-30	2035.10	x					x		1		1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	stool	step	stationary	2022-03-24	5014.5	x							1		1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	touchdown	station	single monitor	2022-03-24	5032										0		0
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	computer terminal	wow		2022-04-27	6022		p/h			x					0	1	1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	screen	privacy		2022-03-24	8005										0		0
Phase 1	A3.2	1207	ER	1	Exam Treatment Room	light	exam		2022-03-15	1060.10		x		x					1	1		1
Phase 1	A3.2	1207	ER	1	Exam Treatment Room															0		0
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	stretcher			2020-03-18	1081	x							1		1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	flowmeter	oxygen		2021-10-18	1051		x		x					2	2		2
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	flowmeter	medical air		2021-10-18	1049		x		x					2	2		2
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x				x			1	1		1
Phase 1	A3.2	1206	ER	1	Exam Treatment Room	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	chair	visitor		2021-10-21	5007		x					x		1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motors	2022-03-31	1031		x					x		1	1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	pump	infusion	Sigma Spectrum	2021-09-14	2041.1	x					x		1		1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	monitor physiological	Spacelabs Ultra View SL2600	order longest cord for bp cuff, Massimo SPO2	2022-06-30	2035.10	x					x		1		1		1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	stool	step	stationary	2022-04-08	5014.5	x									0	1	1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	touchdown	station	single monitor	2022-03-24	5032										0		0
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	computer terminal	wow		2022-04-27	6022		p/h			x					0	1	1
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	screen	privacy		2022-03-24	8005										0		0
Phase 1	A3.2	1208	ER	1	Exam Treatment Room	light	exam		2022-03-15	1060.10		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.2	1208	ER	1	Exam Treatment Room															0		0
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	stretcher			2020-05-19	1081		x		x					1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	dispenser	paper towel		2023-01-03	1044		x	x						1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	dispenser	soap		2023-01-03	1045		x	x						1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	bracket	sharps		2022-12-28	1038.31		x	x						1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	flowmeter	oxygen	concealed	2021-10-18	1051		x		x					2	2		2
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	flowmeter	medical air	concealed	2021-10-18	1049		x		x					2	2		2
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	regulator	vacuum	concealed	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	table	overbed		2022-07-12	1082		x		x					1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	chair	visitor	weighted	2022-07-12	5007		x					x		1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	dispenser	glove	quad universal	2021-09-19	1042.6		x	x						1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	dispenser	waterless	hand wash	2023-01-03	1048		x	x						1	1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	monitor physiological	Qube Compact		2021-10-05	2035.13	x					x		1		1		1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	cart	procedure	pace	2022-07-12	1145.3										0		0
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-07-12	1098.2										0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe	light	exam	mobile for anti ligature	2022-07-12	1060		p/h		x						0	1	1
Phase 1	A3.3	1223	ER	1	Exam Treatment Room Safe															0		0
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	stretcher	bariatric	bariatric	2020-05-26	1081		x		x					1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	bracket	sharps		2022-12-29	1038.31		x	x						1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	flowmeter	oxygen		2021-10-18	1051		x		x					2	2		2
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	flowmeter	medical air		2021-10-18	1049		x		x					2	2		2
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x				x			1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	thermometer	oral	01690-300 fasteners for equip. rail - DB supplied	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	chair	visitor	bariatric	2022-02-07	5007		x					x		1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	A3.3	1205	ER	1	Exam Treatment Room Bariatric	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	monitor physiological	Spacelabs Ultra View SL2600	order longest cord for bp cuff, Massimo SPO2	2022-06-30	2035.10	x					x		1		1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	ceiling lift	x-y gantry	bariatric - to include all structural requirements/ rails/ motor	2022-03-31	1031		x					x		1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	pump	infusion	Sigma Spectrum	2021-09-14	2041.1	x					x		1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	stool	step	stationary	2022-03-24	5014.5	x					x				0	1	1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	touchdown	station	single monitor	2022-03-24	5032										0		0
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	computer terminal	pc	wow	2022-04-27	6001		p/h			x					0	1	1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric	light	exam	ceiling mounted	2022-12-29	1060.10		x		x					1	1		1
Phase 1	A3.4	1205	ER	1	Exam Treatment Room Bariatric															0		0
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	stretcher	bariatric		2022-07-12	1081		x		x					1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	dispenser	paper towel		2022-03-11	1044		x	x						1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	dispenser	soap		2022-03-11	1045		x	x						1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	flowmeter	oxygen	concealed - anti-ligature	2022-07-12	1051		x		x					2	2		2
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	flowmeter	medical air	concealed - anti-ligature	2022-07-12	1049		x		x					2	2		2
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	regulator	vacuum	concealed - anti-ligature	2022-07-12	1079		x		x					3	3		3
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	canister	suction	add liner / tubing	2022-09-22	1052		x	x						3	3		3
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	table	overbed		2022-07-12	1082.6		x					x		1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	chair	visitor		2022-07-12	5007		x					x		1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	hamper	linen		2021-05-13	1036	x							1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	monitor physiological	Qube Compact	order longest cord for bp cuff, Massimo SPO2	2022-05-13	2035.13	x					x		1		1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	ceiling lift	x-y gantry	bariatric - to include all structural requirements/ rails/ motor - anti-lig recessed, motor in cabinet	2022-06-23	1031		x					x		1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2	x					x				0		0
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	light	exam	mobile	2023-01-03	1060		x		x					1	1		1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR	stool	step	stationary	2022-03-24	5014.5		p/h								0	1	1
Phase 1	A3.5	1225	ER	1	Exam Treatment Room Bariatric AIR															0		0
Phase 1	A3.5.1	1224	ER	1	Anteroom AIR	dispenser	paper towel		2022-03-17	1044		x	x						1	1		1
Phase 1	A3.5.1	1224	ER	1	Anteroom AIR	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.5.1	1224	ER	1	Anteroom AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.5.1	1224	ER	1	Anteroom AIR	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	A3.5.1	1224	ER	1	Anteroom AIR	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	A3.5.1	1224	ER	1	Anteroom AIR	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A3.5.1	1224	ER	1	Anteroom AIR	cart	isolation		2022-06-28	1208	x							1		1		1
Phase 1	A3.5.1	1224	ER	1	Anteroom AIR															0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.5.2	1225.01	ER	1	Washroom Shower Patient Bariatric AIR	dispenser	paper towel		2022-06-17	1044		x	x						1	1		1
Phase 1	A3.5.2	1225.01	ER	1	Washroom Shower Patient Bariatric AIR	dispenser	soap		2022-06-17	1045		x	x						1	1		1
Phase 1	A3.5.2	1225.01	ER	1	Washroom Shower Patient Bariatric AIR	container	garbage	medium	2022-03-14	1035.1		x		x					1	1		1
Phase 1	A3.5.2	1225.01	ER	1	Washroom Shower Patient Bariatric AIR	macerator	inset in wall	order w/ inset assembly (cut sheet 1063.4)	2022-03-10	1063.1		x	x						1	1		1
Phase 1	A3.5.2	1225.01	ER	1	Washroom Shower Patient Bariatric AIR	insert	wall	macerator	2022-02-28	1063.4		x	x						1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	stretcher	gyne		2022-02-03	1081.17	x							1		1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	table	overbed	copper - confirm with Linda	2022-03-24	1082.6		x		x					1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	container	garbage	medium	2020-03-18	1035		x		x					1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	bracket	sharps		2022-12-29	1038.31		x	x						1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2	x					x				0		0
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	chair	visitor		2021-10-27	5007		x					x		1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	flowmeter	medical air		2021-10-18	1049		x		x					3	3		3
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	flowmeter	oxygen		2021-10-18	1051		x		x					3	3		3

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Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	regulator	vacuum	add nipple	2022-06-30	1079		x		x					3	3		3
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	canister	suction	add liner / tubing	2022-09-22	1052		x	x						3	3		3
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	dispenser	glove	quad universal	2021-09-19	1042.6			x						1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	hamper	linen	Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	stool	exam		2021-10-26	5013		x						1		1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	monitor physiological	Ultra View SL2600	order longest cord for bp cuff, Massimo SPO2	2022-06-30	2035.10	x					x		1		1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	cart	gyne		2022-07-14	1145.3		x		x					1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	pump	infusion	Sigma Spectrum	2021-09-14	2041.1	x					x		1		1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	stool	step	stationary	2022-03-24	5014.5		x		x					1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	stand	mayo		2022-02-25	2049		x		x					1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne	light	exam	ceiling articulating	2022-03-15	1060		x		x					1	1		1
Phase 1	A3.6	1226	ER	1	Exam Treatment Room Gyne															0		0
Phase 1	A3.6.1	1226.01	ER	1	Washroom Shower Patient Gyne	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.6.1	1226.01	ER	1	Washroom Shower Patient Gyne	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.6.1	1226.01	ER	1	Washroom Shower Patient Gyne	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

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Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	chair	procedure	exam	2022-02-25	2040		x					x		1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	flowmeter	medical air		2021-10-18	1049		x		x					2	2		2
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	flowmeter	oxygen		2021-10-18	1051		x		x					2	2		2
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	stool	exam		2021-05-20	5013		x						1		1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	hamper	linen	Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	ceiling lift	x-y gantry	structural and power only	2022-09-15	1031		x					x		1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	cart	procedure	HEENT	2022-07-14	1145.3		x		x					1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	chair	visitor	adjustable arms, no casters	2020-03-18	5007		x					x		1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	lamp	slit	mobile tonometer - S4Optik model Z800 biomed asset# 1032075 on mobile stand	2021-07-29	1288.6	x							1		1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	stand	mayo		2021-07-27	2049	x							1		1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	stool	step	stationary	2022-12-01	5014.5		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	pump	infusion	Sigma Spectrum	2021-09-14	2041.1	x					x		1		1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2	x					x		1		1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	light	exam	ceiling mounted - articulating	2021-07-29	1060	x							1		1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1	x					x		1		1		1
Phase 1	A3.7	1242	ER	1	Exam Treatment Room HEENT				2022-04-26											0		0
Phase 1	A3.7.1	1242.01	ER	1	Alcove Equipment Small				2022-06-20											0		0
Phase 1	A3.8	1218	ER	1	Secure Room	blanket	weighted	CMH embroidered for Ecotex? TBD 3 - for laundering	2022-02-03	739									3	3		3
Phase 1	A3.8	1218	ER	1	Secure Room	mattress	psych		2021-09-17	744.1	x							1		1		1
Phase 1	A3.8	1218	ER	1	Secure Room															0		0
Phase 1	A3.9	1COR14.01	ER	1	Alcove Hose Bib	dispenser	detergent		2022-03-03	1041.2		x	x						1	1		1
Phase 1	A3.10	1COR15.01	ER	1	Alcove Workstation	chair	task	80%	2020-03-18	5006.12		x					x		1	1		1
Phase 1	A3.10	1COR15.01	ER	1	Alcove Workstation	container	garbage	medium	2020-03-18	1035		x		x					1	1		1
Phase 1	A3.10	1COR15.01	ER	1	Alcove Workstation	container	recycling	medium	2022-06-17	1037		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.10	1COR15.01	ER	1	Alcove Workstation	computer terminal	wow		2022-06-21	6022		x			x				2	2		2
Phase 1	A3.10	1COR15.01	ER	1	Alcove Workstation															0		0
Phase 1	A3.11	1240	ER	1	Cast Room	chair	visitor		2021-10-01	5007		x					x		1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	dispenser	soap		2021-10-01	1045		x	x						1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	dispenser	paper towel		2021-10-01	1044		x	x						1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	bracket	sharps		2022-12-29	1038.31		x	x						1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	hamper	linen		2022-12-29	1036	x							1		1		1
Phase 1	A3.11	1240	ER	1	Cast Room	flowmeter	medical air		2021-10-18	1049		x		x					2	2		2
Phase 1	A3.11	1240	ER	1	Cast Room	flowmeter	oxygen		2021-10-18	1051		x		x					2	2		2
Phase 1	A3.11	1240	ER	1	Cast Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.11	1240	ER	1	Cast Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.11	1240	ER	1	Cast Room	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.11	1240	ER	1	Cast Room	saw	cast		2021-10-01	1303		x		x					1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	container	garbage	large	2021-10-01	1035.1		x		x					1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	ceiling lift	x-y gantry	complete system	2022-11-21	1031		x	x						1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	monitor	vital sign	mobile	2022-12-19	1068.1		x				x			1			0
Phase 1	A3.11	1240	ER	1	Cast Room	pump	infusion	Sigma Spectrum	2021-10-01	2041.1	x					x		1		1		1
Phase 1	A3.11	1240	ER	1	Cast Room	stretcher			2021-10-01	1081	x							1		1		1
Phase 1	A3.11	1240	ER	1	Cast Room	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-04-08	1098.2		x				x			1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	stand	mayo		2021-10-26	2049		x		x					1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	light	exam		2022-03-24	1060.10		x		x					1	1		1

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Phase 1	A3.11	1240	ER	1	Cast Room	cart	storage	procedure	2022-03-24	1026		x		x					1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	cart	cast		2023-01-05			x		x					1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room	table	overbed		2023-01-03	1082.6		x		x					1	1		1
Phase 1	A3.11	1240	ER	1	Cast Room															0		0
Phase 1	A3.11.1	1240.01	ER	1	Alcove Equipment Small				2022-06-17											0		0
Phase 1	A3.12	1221	ER	1	Consultation Interview Room	telehealth	mobile		2022-07-19	6014	x				x			1		1		1
Phase 1	A3.12	1221	ER	1	Consultation Interview Room	sofa	2 seater	weighted	2022-02-24	5012		x					x		1	1		1
Phase 1	A3.12	1221	ER	1	Consultation Interview Room	chair	lounge	weighted	2022-02-24	5009		x					x		2	2		2
Phase 1	A3.12	1221	ER	1	Consultation Interview Room	table	end	weighted	2022-02-24	5017		x					x		1	1		1
Phase 1	A3.12	1221	ER	1	Consultation Interview Room	table	coffee	weighted	2022-02-24	5015		x					x		1	1		1
Phase 1	A3.12	1221	ER	1	Consultation Interview Room	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	A3.12	1221	ER	1	Consultation Interview Room															0		0
Phase 1	A3.13	1210	ER	1	Observation Holding Room	stretcher			2023-01-03	1081		x		x					1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	table	overbed		2023-01-03	1082.6		x		x					1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	container	garbage	large	2023-01-03	1035		x		x					1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	bracket	sharps		2022-12-29	1038.31		x	x						1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-03-24	1098.2		x				x			1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	chair	visitor		2021-10-28	5007		x					x		1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	flowmeter	medical air		2021-10-18	1049		x		x					2	2		2
Phase 1	A3.13	1210	ER	1	Observation Holding Room	flowmeter	oxygen		2021-10-18	1051		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.13	1210	ER	1	Observation Holding Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.13	1210	ER	1	Observation Holding Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.13	1210	ER	1	Observation Holding Room	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.13	1210	ER	1	Observation Holding Room	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	stool	exam		2021-05-20	5013										0		0
Phase 1	A3.13	1210	ER	1	Observation Holding Room	computer terminal	pc	wow	2022-07-14	6022		p/h			x					0	1	1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	touchdown	station	height adjustable	2023-01-03	5032							x		0	0		0
Phase 1	A3.13	1210	ER	1	Observation Holding Room	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2022-03-31	1031		x					x		1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	monitor physiological	Ultraview SL2600	order longest cord avail. For bp cuff	2022-03-24	2035.10	x					x		1		1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	cabinet	bedside	patient storage	2023-01-03	5002		x					x		1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room	light	exam		2023-01-03	1060.10		x		x					1	1		1
Phase 1	A3.13	1210	ER	1	Observation Holding Room															0		0
Phase 1	A3.13	1211	ER	1	Observation Holding Room	stretcher			2021-06-08	1081		x		x					1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	table	overbed		2023-01-03	1082.6		x		x					1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	container	garbage	large	2023-01-03	1035		x		x					1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	bracket	sharps		2022-12-29	1038.31		x	x						1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-03-24	1098.2		x				x			1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	chair	visitor		2020-03-18	5007		x					x		1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	flowmeter	medical air		2021-10-18	1049		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.13	1211	ER	1	Observation Holding Room	flowmeter	oxygen		2021-10-18	1051		x		x					2	2		2
Phase 1	A3.13	1211	ER	1	Observation Holding Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	A3.13	1211	ER	1	Observation Holding Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A3.13	1211	ER	1	Observation Holding Room	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	A3.13	1211	ER	1	Observation Holding Room	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	computer terminal	pc	WoW	2021-10-26	6022		x			x				1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	touchdown	station	height adjustable	2023-01-03	5032										0		0
Phase 1	A3.13	1211	ER	1	Observation Holding Room	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2022-03-31	1031		x					x		1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	cabinet	bedside	patient storage	2023-01-03	5002		x					x		1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	monitor physiological	Qube Compact	fasteners for equip rail - DB supplied	2022-06-30	2035.13	x					x		1		1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room	light	exam		2023-01-03	1060.10		x		x					1	1		1
Phase 1	A3.13	1211	ER	1	Observation Holding Room															0		0
Phase 1	A3.14	1202	ER	1	Washroom Patient	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.14	1202	ER	1	Washroom Patient	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.14	1202	ER	1	Washroom Patient	container	sharps	tamper proof	2023-01-06	1038.16		x	x						1	1		1
Phase 1	A3.14	1202	ER	1	Washroom Patient	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A3.14	1202	ER	1	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.15	1227	ER	1	Washroom Shower Patient Bariatric	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.15	1227	ER	1	Washroom Shower Patient Bariatric	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.15	1227	ER	1	Washroom Shower Patient Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Staff Support Area																					
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	computer terminal	pc		2021-05-19	6001	x				x			1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	electronic display monitor	Meditech tracker	47" ceiling mount	2022-11-22	6002		x			x				3	3		3
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	cable	coaxial	6' w/ screw on connector	2022-11-22	6002		x	x						3	3		3
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	bracket	Meditech tracker	ceiling mount	2022-11-22	1013.3		x							3	3		3
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	computer terminal	zero client	DH to confirm	2022-07-07	6000		x			x				2	2		2
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	bracket	computer		2022-07-07	7061.3		x			x				2	2		2
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	whiteboard	magnetic		2022-07-15	1090										0		0
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	chair	task		2021-05-19	5006.12		x					x		1	1		1
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	cabinet	filing		2022-04-27	5010										0		0
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	pedestal	mobile		2021-05-19	5000		x					x		1	1		1
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	container	garbage	medium	2021-05-19	1035		x		x					1	1		1
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	container	recycling		2021-05-19	1037		x		x					1	1		1
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	rack	chart		2022-06-06	1111.2	x	x						1	2	3		3
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	system display repeater	physiological	42" ceiling mount	2022-11-22	2035		x					x		1	1	1	2
Phase 1	A3.16	1231	ER	1	Workstation Unit Clerk	bracket	television / physiological	ceiling mount	2022-11-22	1013.3		x							1	1	1	2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	electronic display monitor	Meditech tracker	47" ceiling mount	2022-06-17	6002										0		0
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	cable	coaxial	6' w/ screw on connector	2022-06-17	6002			x							0		0
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	bracket	Meditech tracker	ceiling mount	2022-06-17	1013.3										0		0
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	computer terminal	zero client	DH to confirm	2022-06-17	6000					x					0		0
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	bracket	computer	zero client	2022-06-17											0		0
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	television	Siren	47"	2022-09-15	tba		x							1	1		1
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	bracket	television	ceiling mount	2022-11-22	1013.3		x							1	1		1
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	computer terminal	zero client	for Siren	2022-11-22	6000		x			x				1	1		1
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	bracket	computer	zero client	2022-11-22	7061.3		x			x				1	1		1
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	whiteboard	magnetic		2021-05-18	1090	x							1		1		1
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	computer terminal	pc		2022-07-18	6001	x				x			1		1		1
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	printer	label		2022-08-11	6011.4		x			x				1	1		1
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	container	garbage	medium	2021-05-20	1035		x		x					3	3		3
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	container	recycling		2021-05-18	1035.1		x		x					3	3		3
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	chair	task		2021-05-18	5006.12		x					x		3	3		3
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	pedestal	mobile		2021-05-19	5000		x					x		3	3		3

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Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	bin	recycling	confidential	2022-09-20	1222.1		x							1	1		1
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)	printer	mfd	CMHEMR3	2022-06-17						x					0		0
Phase 1	A3.17	1231	ER	1	Care Team Station Large (north)															0		0
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	whiteboard	magnetic	2x3	2022-03-24	1090										0		0
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	computer terminal	pc	CMHEMRC7 and CMHEMRC8	2021-10-29	6001	x				x			2		2		2
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	container	garbage	medium	2021-05-18	1035.1		x		x					1	1		1
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	chair	task	80%	2021-05-18	5006.12		x					x		1	1		1
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	rack	chart		2022-05-18											0		0
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	system display repeater	physiological	42" ceiling mount	2022-11-22	2035		x					x		1	1	1	2
Phase 1	A3.17	1230	ER	1	Care Team Station Large (south)	bracket	television / physiological	ceiling mount	2022-11-22	1013.3		x							1	1	1	2
Phase 1	A3.17.1	1COR16.01	ER	1	Alcove Pneumatic Tube Station	cart	lakeside		2021-05-20	1020		x		x					1	1		1
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	container	garbage	medium	2021-10-07	1035		x		x					1	1		1
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	container	recycling	medium	2021-10-07	1037		x		x					1	1		1

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Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	stool	task		2022-02-07											0		0
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	table	oval	conference	2021-09-28	5018		x					x		1	1		1
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	chair	visitor	stackable - TBD	2021-10-29	5007							x		6	6		6
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	computer terminal	pc		2021-10-07	6001		x			x				1	1		1
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	whiteboard	magnetic	4x6	2022-03-24	1090		x	x						1	1		1
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	diagnostic set	mobile oto & ophth	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.5										0		0
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	A3.17.2	1231.02	ER	1	Workroom Care Team Large (west)															0		0
Phase 1	A3.17.2	1232	ER	1	Workroom Care Team Large (east)	workstation	height adj.		2022-03-24	4025										0		0
Phase 1	A3.17.2	1232	ER	1	Workroom Care Team Large (east)	container	garbage	medium	2022-02-07	1035		x		x					2	2		2
Phase 1	A3.17.2	1232	ER	1	Workroom Care Team Large (east)	container	recycling	large	2021-10-07	1037		x		x					2	2		2
Phase 1	A3.17.2	1232	ER	1	Workroom Care Team Large (east)	chair	task	80%	2022-02-07	5006.12		x					x		2	2		2
Phase 1	A3.17.2	1232	ER	1	Workroom Care Team Large (east)	computer terminal	pc		2022-02-28	6001		x			x				2	2		2
Phase 1	A3.17.2	1232	ER	1	Workroom Care Team Large (east)															0		0
Phase 1	A3.17.3	1231.01	ER	1	Workstation Learner	computer terminal	pc		2021-05-19	6001		x			x				1	1		1

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Phase 1	A3.17.3	1231.01	ER	1	Workstation Learner	whiteboard	magnetic		2022-03-24	1090		x	x							0		0
Phase 1	A3.17.3	1231.01	ER	1	Workstation Learner	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	A3.17.3	1231.01	ER	1	Workstation Learner	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A3.17.3	1231.01	ER	1	Workstation Learner	container	recycling	medium	2020-03-18	1037		x		x					1	1		1
Phase 1	A3.17.3	1231.01	ER	1	Workstation Learner															0		0
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring	monitor physiological telemetry	central station Xhibit XC48		2022-07-15	2035.15										0		0
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring	bracket			2022-07-15											0		0
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring	system display repeater	physiological	42"	2022-11-22													
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring	bracket	television / physiological		2022-07-15											0		0
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring															0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring	monitor physiological telemetry	central station Xhibit XC48		2022-07-15	2035.15	x					x		1		1		1
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring	bracket			2022-07-15			x		x		x			1	1		1
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring	system display repeater	physiological	42"	2022-11-22								x			0		0
Phase 1	A3.18	1230.01	ER	1	Workstation Central Monitoring	bracket	television / physiological		2022-09-28				x							0		0
Phase 1	A3.18	1230.03	ER	1	Workstation Central Monitoring															0		0
Phase 1	A3.18	1230.03	ER	1	Workstation Central Monitoring															0		0
Phase 1	A3.18	1230.03	ER	1	Workstation Central Monitoring															0		0
Phase 1	A3.18	1230.03	ER	1	Workstation Central Monitoring															0		0
Phase 1	A3.18	1230.03	ER	1	Workstation Central Monitoring															0		0
Phase 1	A3.18	1230.03	ER	1	Workstation Central Monitoring															0		0
Phase 1	A3.18	1230.03	ER	1	Workstation Central Monitoring															0		0

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Phase 1	A3.19	1231	ER	1	Workstation Touchdown	computer terminal	pc	PACS	2021-10-28	6001		x			x				1	1		1
Phase 1	A3.19	1231	ER	1	Workstation Touchdown	computer terminal	pc		2022-03-24	6001		x			x				2	2		2
Phase 1	A3.19	1231	ER	1	Workstation Touchdown	chair	task	Document scanner)	2021-10-28	5006.12		x					x		2	2		2
Phase 1	A3.19	1231	ER	1	Workstation Touchdown	container	garbage	medium	2022-09-20	1035		x		x					1	1		1
Phase 1	A3.19	1231	ER	1	Workstation Touchdown	container	recycling	large	2022-09-20	1037		x		x					1	1		1
Phase 1	A3.19	1231	ER	1	Workstation Touchdown	rack	chart		2022-06-06	1111.11		x		x					1	1		1
Phase 1	A3.19	1231	ER	1	Workstation Touchdown															0		0
Phase 1	A3.20	1235	ER	1	Med	computer terminal	pc	single monitor	2023-01-04	6001		x			x				1	1		1
Phase 1	A3.20	1235	ER	1	Med	bracket	wall mounted	computer	2022-08-11										0	0		0
Phase 1	A3.20	1235	ER	1	Med	glucometer		22-09-22 suggest hard wired KH	2020-03-18	2061		x				x			2	2		2
Phase 1	A3.20	1235	ER	1	Med	dispenser	wipe	disinfectant	2022-09-22	1024.1		x	x						1	1		1
Phase 1	A3.20	1235	ER	1	Med	medication management system		1 tower, 3 cells to relocate, 1 future seismic restraint	2022-01-13	1072.1	x					x		1		1	1	2
Phase 1	A3.20	1235	ER	1	Med	medication management system		1 tower, 1 cell	2022-01-13	1072.1		p/h				x				0	1	1
Phase 1	A3.20	1235	ER	1	Med	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A3.20	1235	ER	1	Med	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1

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Phase 1	A3.20	1235	ER	1	Med	refrigerator	vaccine	full size required here - Omnicell compatible - internal alarm and to BMS	2023-01-05	1077		x							1	1		1
Phase 1	A3.20	1235	ER	1	Med	refrigerator	domestic	counter size	2023-01-05	1076		x							1	1		1
Phase 1	A3.20	1235	ER	1	Med	container	garbage	medium	2022-03-24	1035		x		x					1	1		1
Phase 1	A3.20	1235	ER	1	Med	container	recycling	medium	2022-06-17	1037		x		x					2	2		2
Phase 1	A3.20	1235	ER	1	Med	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.20	1235	ER	1	Med	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.20	1235	ER	1	Med	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A3.20	1235	ER	1	Med	bin system		2 x HSC3619LP louvered panel 2 x 12 x 36 basket (qty to be confirmed) Dividers TBD	2022-12-30	1011		x	x						1	1		1
Phase 1	A3.20	1235	ER	1	Med	bin system		2 x HSC3661LP louvered panel H1236BSK 12 x 36 basket (qty to be confirmed - for area closest to door) H1836BSK 18 x 36 basket (qty to be confirmed - for area next to Omnicell) Dividers TBD	2022-12-30	1011		x	x						2	2		2
Phase 1	A3.20	1235	ER	1	Med	cart	wire	mobile cart with baskets/cubbies	2022-05-06	1210.14		x	x						1	1		1
Phase 1	A3.20	1235	ER	1	Med	cart	tool kit	hazardous drug (pace cart)	2023-01-12	1026.28?	x		x					1		1		1
Phase 1	A3.20	1235	ER	1	Med	container	pharmaceutical waste	3.8l (IH# 1056776) - order wall mount bracket (IH# 1056775)	2022-07-08	1341.4	x							1		1		1

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Phase 1	A3.20	1235	ER	1	Med	bracket	pharmaceutical waste	wall mount bracket (IH# 1056775)	2022-12-30	1341.6	x							1		1		1
Phase 1	A3.20	1235	ER	1	Med	whiteboard	magnetic	2x3	2022-02-16	1090		x	x						1	1		1
Phase 1	A3.20	1235	ER	1	Med															0		0
Phase 1	A3.21	1COR12.01	ER	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.21	1COR12.01	ER	1	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.21	1COR12.01	ER	1	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.21	1COR12.01	ER	1	Alcove Hand Hygiene Sink	cart	procedure	dressing	2022-07-14	1145.3		x		x					1	1		1
	Unit Support Area																					
Phase 1	A3.22	1248	ER	1	Family Quiet Room	chair	visitor		2022-02-07	5007		x					x		6	6		6
Phase 1	A3.22	1248	ER	1	Family Quiet Room	container	garbage	medium	2022-03-24	1035		x		x					1	1		1
Phase 1	A3.22	1248	ER	1	Family Quiet Room	table	end		2020-03-18	5017		x					x		2	2		2
Phase 1	A3.22	1248	ER	1	Family Quiet Room	dispenser	waterless	hand wash	2022-03-24	1048		x	x						1	1		1
Phase 1	A3.22	1248	ER	1	Family Quiet Room	toaster	commercial	medium duty - once determined, confirm voltage requirements with DB	2021-09-14	1086.4		x		x					1	1		1
Phase 1	A3.22	1248	ER	1	Family Quiet Room	kettle	domestic	small, commercial grade	2021-10-29	1216									1	1		1
Phase 1	A3.22	1248	ER	1	Family Quiet Room	refrigerator	domestic	under counter	2021-05-20	1076		x		x					1	1		1
Phase 1	A3.22	1248	ER	1	Family Quiet Room	television	entertainment	public 43" wall mount	2022-11-22	6006		x	x						1	1		1
Phase 1	A3.22	1248	ER	1	Family Quiet Room	cable	television		2022-11-22	6006		x	x						1	1		1
Phase 1	A3.22	1248	ER	1	Family Quiet Room	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	A3.22	1248	ER	1	Family Quiet Room															0		0

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Phase 1	A3.23	1COR11.01	ER	1	Alcove Blanket Warmer	cabinet	warming	seismic restraint required	2022-07-07	1088		x							1	1		1
Phase 1	A3.23	1COR11.01	ER	1	Alcove Blanket Warmer	cart	procedure	suture	2022-07-14	1145.3		x							1	1		1
Phase 1	A3.23	1COR15.03	ER	1	Alcove Blanket Warmer	cabinet	warming	seismic restraint required	2022-04-27	1088	x							1		1		1
Phase 1	A3.23	1COR21.01	ER	1	Alcove Blanket Warmer	cabinet	warming		2022-07-07	1088		p/h								0	1	1
Phase 1	A3.23	1COR21.01	ER	1	Alcove Blanket Warmer	dispenser	paper towel		2022-12-01	1044		x	x						1	1		1
Phase 1	A3.23	1COR21.01	ER	1	Alcove Blanket Warmer	dispenser	soap		2022-12-01	1045		x	x						1	1		1
Phase 1	A3.23	1COR21.01	ER	1	Alcove Blanket Warmer	container	garbage	medium	2022-12-01	1035		x		x					1	1		1
Phase 1	A3.24	1COR11.03	ER	1	Alcove Linen Cart	cart	linen	clean	2021-11-18	1021.9	x							1		1		1
Phase 1	A3.24	1COR11.03	ER	1	Alcove Linen Cart	cart	procedure	acute medical	2022-07-15	1145.3		x		x					1	1		1
Phase 1	A3.24	1COR11.03	ER	1	Alcove Linen Cart	dispenser	waterless	hand wash	2022-10-07	1048		x	x						7	7		7
Phase 1	A3.24	1COR24.01	ER	1	Alcove Linen Cart	cart	linen	clean	2021-11-18	1021.9		x		x					1	1		1
Phase 1	A3.24	1COR24.01	ER	1	Alcove Linen Cart	cart	procedure	acute medical	2022-07-15	1145.3		x		x					1	1		1
Phase 1	A3.24	1COR21.02	ER	1	Alcove Linen Cart	cart	linen	clean	2022-07-07	1021.9										0		0
Phase 1	A3.24	1COR21.02	ER	1	Alcove Linen Cart	cart	procedure	iv	2022-09-20	1145.3		x		x					1	1		1

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Phase 1	A3.24	1COR21.02	ER	1	Alcove Linen Cart	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	A3.25	1COR11.02	ER	1	Alcove Crash Cart	cart	crash		2022-06-10											0		0
Phase 1	A3.25	1COR11.02	ER	1	Alcove Crash Cart	cart	procedure	acute medical cart	2022-07-15	1145.3		x		x					1	1		1
Phase 1	A3.25	1COR11.02	ER	1	Alcove Crash Cart	cart	procedure	iv cart	2022-11-29	1145.3		x		x					1	1		1
Phase 1	A3.25	1COR11.02	ER	1	Alcove Crash Cart	dispenser	waterless	hand wash	2022-10-07	1048		x	x						7	7		7
Phase 1	A3.25	1COR15.03	ER	1	Alcove Crash Cart	cart	crash		2022-11-28	2009.5		x				x			1	1		1
Phase 1	A3.25	1COR15.03	ER	1	Alcove Crash Cart	defibrillator		crash cart	2022-11-28	2020		x				x			1	1		1
Phase 1	A3.25	1COR15.03	ER	1	Alcove Crash Cart	suction machine	portable	crash cart	2022-11-28	2052		x				x			1	1		1
Phase 1	A3.25	1COR15.03	ER	1	Alcove Crash Cart	cart	procedure	acute medical cart	2022-07-14	1145.3		x		x					1	1		1
Phase 1	A3.25		ER	1	Alcove Crash Cart	cart	crash		2022-06-10											0		0

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Phase 1	A3.26	1233	ER	1	Alcove Food Cart - clean	cart	hot cold	FS drops off in ED on lakeside cart - nurses deliver food	2022-04-26	1339.6		x		x					1	1		1
Phase 1	A3.26	1233	ER	1	Alcove Food Cart - dirty	cart	dietary	will rotate 2 carts - only 1 dirty cart will remain on floor- cart is partially in nourishment alcove, partially in alcove food cart	2022-04-26	1300.1		x		x					2	2		2
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	toaster	commercial	medium duty, voltage requirements confirmed as 120v	2020-03-18	1086		x		x					1	1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	coffee machine			2022-02-17	1033.6		x		x					1	1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	machine	ice	countertop	2022-03-17	1056.6	x							1		1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	microwave	commercial		2020-03-18	1066		x		x					1	1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	refrigerator	domestic	full size with freezer	2022-07-04	1076		x		x					1	1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	container	recycling	large	2020-03-18	1037		x		x					1	1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A3.27	1233	ER	1	Alcove Nourishment															0		0

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Phase 1	A3.28	1105	ER	1	Alcove Equipment Large	pole	iv		2022-06-16	1070				x						0		0
Phase 1	A3.28	1105	ER	1	Alcove Equipment Large	machine	ecg		2022-06-16	1273						x				0		0
Phase 1	A3.28	1105	ER	1	Alcove Equipment Large	ultrasound		Fujifilm x-porte mobile	2022-06-20	3007.9						x				0		0
Phase 1	A3.28	1105	ER	1	Alcove Equipment Large	cart	lakeside	for infant scale	2022-06-16	1020										0		0
Phase 1	A3.28	1105	ER	1	Alcove Equipment Large	commode			2022-06-16	1270										0		0
Phase 1	A3.28	1105	ER	1	Alcove Equipment Large															0		0
	A4 Streaming Area																					
	Unit Entrance Area																					
Phase 1	A4.1	1201	ER	1	Waiting Area	chair	waiting	single with arms	2022-03-24	5008		x					x		6	6		6
Phase 1	A4.1	1201	ER	1	Waiting Area	chair	waiting	hip single with arms	2021-09-17	5008							x		1	1		1
Phase 1	A4.1	1201	ER	1	Waiting Area	chair	waiting	bariatric	2021-09-17	5008							x		1	1		1
Phase 1	A4.1	1201	ER	1	Waiting Area	table	end		2022-12-30	5017		x					x		2	2		2
Phase 1	A4.1	1201	ER	1	Waiting Area	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A4.1	1201	ER	1	Waiting Area	television	entertainment	public 43" wall mount	2022-11-22	6006		x		x					1	1		1
Phase 1	A4.1	1201	ER	1	Waiting Area	cable	television		2022-11-22	6006		x	x						1	1		1
Phase 1	A4.1	1201	ER	1	Waiting Area	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	A4.1	1201	ER	1	Waiting Area	flowmeter	oxygen		2020-03-18	1051		x		x					2	2		2
Phase 1	A4.1	1201	ER	1	Waiting Area	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A4.1	1201	ER	1	Waiting Area															0		0
	Clinical Area																					
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	whiteboard	magnetic	2x3	2020-03-18	1090		x	x						1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	computer terminal	pc		2022-03-24	6001		x			x				1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	chair	task	80%	2020-03-18	5006.12		x					x		1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	container	recycling	large	2020-03-18	1037		x		x					1	1		1

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Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	computer terminal	wow		2022-03-14	6022		x			x				1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	printer	label	zebra - for nursing	2022-03-02	6011.4		x			x				1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	printer	laser colour	CMHEMRP2: HP E60165	2022-03-02	6004.5	x				x			1		1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	rack	chart		2022-05-18	1111.9		x	x						3	3		3
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	electronic display monitor	Meditech tracker	47" ceiling mount	2022-11-22	6002		x			x				3	3		3
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	cable	coaxial	6' w/ screw on connector	2022-11-22	6002		x	x						3	3		3
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	bracket	Meditech tracker	ceiling mount	2022-11-22	1013.3		x			x				3	3		3
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	computer terminal	zero client	DH to confirm	2022-06-17	6000		x			x				1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	bracket	computer		2022-06-17											0		0
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	bracket	computer	zero client	2022-06-17	7061.3		x			x				1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite	bin	recycling		2022-09-20	1222.1		x							1	1		1
Phase 1	A4.2	1237	ER	1	Care Team Station Satellite															0		0
Phase 1	A4.2.1	1COR21.02	ER	1	Alcove Pneumatic Tube	cart	lakeside		2022-05-10			x		x					1	1		1
Phase 1	A4.3	1244	ER	1	Workstation Touchdown	chair	task		2020-03-18	5006.12		x					x		1	1		1
Phase 1	A4.3	1244	ER	1	Workstation Touchdown	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A4.3	1244	ER	1	Workstation Touchdown	container	recycling	medium	2020-03-18	1037		x		x					1	1		1
Phase 1	A4.3	1244	ER	1	Workstation Touchdown	computer terminal	pc		2020-03-18	6001		x			x				1	1		1
Phase 1	A4.3	1244	ER	1	Workstation Touchdown															0		0
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	stretcher			2020-03-18	1081	x			x				1		1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	dispenser	soap		2020-03-18	1045		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	dispenser	glove	quad universal	2022-11-22	1042.6		x	x						1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	dispenser	waterless	hand wash	2022-11-22	1048		x	x						1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	stand	mayo		2021-10-26	2049		x		x					1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	bracket	sharps		2022-12-30	1038.31		x	x						1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	flowmeter	medical air		2022-09-20	1049		x		x					2	2		2
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	flowmeter	oxygen		2022-09-20	1051		x		x					2	2		2
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	regulator	vacuum	add nipple	2022-09-20	1079		x		x					2	2		2
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	chair	visitor		2020-03-18	5007		x					x		1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2022-03-31	1031		x					x		1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-04-08	1098.2		x				x			1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	thermometer	oral	01690-300	2022-07-11	1204.3		x		x					1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	pump	infusion	Sigma Spectrum	2021-09-14	2041.1	x					x		1		1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	computer terminal	wow	shared in all A4.4	2023-01-05	6022		x			x				1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	monitor physiological	mobile	Qube Compact	2021-10-07	2035.13	x					x		1		1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	table	overbed		2021-10-19	1082.6		x		x					1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	cabinet	bedside		2022-06-17	5002		x					x		1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming	light	exam		2022-03-15	1060.10		x		x					1	1		1
Phase 1	A4.4	1241	ER	1	Exam Treatment Room Streaming															0		0
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	stretcher			2020-03-18	1081	x			x				1		1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	dispenser	glove	quad universal	2022-11-22	1042.6		x	x						1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	dispenser	waterless	hand wash	2022-11-22	1048		x	x						1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	stand	mayo		2021-10-26	2049										0		0
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	bracket	sharps		2022-12-30	1038.31		x	x						1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	flowmeter	medical air		2022-09-20	1049		x		x					2	2		2
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	flowmeter	oxygen		2022-09-20	1051		x		x					2	2		2
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	regulator	vacuum	add nipple	2022-09-20	1079		x		x					2	2		2
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	stool	exam		2021-05-20	5013										0		0
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	chair	visitor		2020-03-18	5007		x					x		1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2022-03-31	1031		x					x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-04-08	1098.2		x				x			1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	monitor physiological	mobile	Qube Compact	2022-04-21	2035.13		p/h			x					0	1	1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	computer terminal	wow	shared in all A4.4	2022-06-21	6022		p/h			x					0	1	1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	table	overbed		2021-10-19	1082.6		x		x					1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	cabinet	bedside		2021-10-26	5002		x					x		1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming	light	exam		2022-03-15	1060.10		x		x					1	1		1
Phase 1	A4.4	1243	ER	1	Exam Treatment Room Streaming															0		0
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	stretcher			2020-03-18	1081	x			x				1		1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	dispenser	glove	quad universal	2022-11-22	1042.6		x	x						1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	dispenser	waterless	hand wash	2022-11-22	1048		x	x						1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	stand	mayo		2021-10-26	2049										0		0
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	bracket	sharps		2022-12-30	1038.31		x	x						1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	flowmeter	medical air		2022-09-20	1049		x		x					2	2		2
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	flowmeter	oxygen		2022-09-20	1051		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	regulator	vacuum	add nipple	2022-09-20	1079		x		x					2	2		2
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	stool	exam		2021-05-20	5013										0		0
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	chair	visitor		2020-03-18	5007		x					x		1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2022-03-31	1031		x					x		1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-04-08	1098.2		x				x			1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	monitor physiological	mobile	Qube Compact	2022-04-21	2035.13		p/h			x					0	1	1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	computer terminal	wow	shared in all A4.4	2022-06-21	6022		p/h			x					0	1	1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	table	overbed		2021-10-19	1082.6		x		x					1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	cabinet	bedside		2021-10-26	5002							x		1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming	light	exam		2022-03-15	1060.10		x		x					1	1		1
Phase 1	A4.4	1245	ER	1	Exam Treatment Room Streaming															0		0
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	stretcher			2020-03-18	1081	x			x				1		1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	dispenser	glove	quad universal	2022-11-22	1042.6		x	x						1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	dispenser	waterless	hand wash	2022-11-22	1048		x	x						1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	stand	mayo		2021-10-26	2049										0		0
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	bracket	sharps		2022-12-30	1038.31		x	x						1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	flowmeter	medical air		2022-09-20	1049		x		x					2	2		2
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	flowmeter	oxygen		2022-09-20	1051		x		x					2	2		2
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	regulator	vacuum	add nipple	2022-09-20	1079		x		x					2	2		2
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					2	2		2
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	stool	exam		2021-05-20	5013										0		0
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	chair	visitor		2020-03-18	5007		x					x		1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2022-03-31	1031		x					x		1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-04-08	1098.2		x				x			1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	monitor physiological	mobile	Qube Compact	2022-04-21	2035.13		p/h			x					0	1	1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	computer terminal	wow	shared in all A4.4	2022-06-21	6022		p/h			x					0	1	1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	table	overbed		2021-10-19	1082.6		x		x					1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	cabinet	bedside		2021-10-26	5002							x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming	light	exam		2022-03-15	1060.10		x		x					1	1		1
Phase 1	A4.4	1247	ER	1	Exam Treatment Room Streaming															0		0
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	recliner	treatment		2020-03-18	1261		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	table	overbed		2021-10-19	1082.6		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	dispenser	soap		2022-02-23	1045										0		0
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	dispenser	paper towel		2022-02-23	1044										0		0
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	dispenser	glove	quad universal	2022-12-30	1042.6		x	x						1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	stand	mayo		2021-10-26	2049		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	bracket	sharps		2022-12-30	1038.31		x	x						1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	flowmeter	oxygen		2022-09-20	1051		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	flowmeter	medical air		2022-09-20	1049		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	regulator	vacuum	add nipple	2022-09-20	1079		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2										0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	diagnostic set	mobile oto & ophth	mobile stand 111-7670-06P oto/ophth - TBD	2022-06-30	1098.5		x				x			1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	chair	visitor		2021-06-15	5007		x					x		1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	screen	privacy	mobile	2022-02-25	8005		x		x					1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	pump	infusion	mobile Sigma Spectrum	2021-09-14	2041.1	x					x		1		1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	monitor physiological	mobile	Qube Compact	2022-04-08	2035.13	x					x		1		1	0	1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming	computer terminal	wow		2022-06-21	6022		x			x				1	1		1
Phase 1	A4.5	1238.01	ER	1	Exam Treatment Bay Streaming															0		0
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	recliner	treatment		2020-03-18	1261		x		x					1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	table	overbed		2021-10-19	1082.6		x		x					1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	dispenser	soap		2022-02-23	1045										0		0
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	dispenser	paper towel		2022-02-23	1044										0		0
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	dispenser	glove	quad universal	2022-11-22	1042.6		x	x						1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	dispenser	waterless	hand wash	2022-11-22	1048		x	x						1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	stand	mayo		2021-10-26	2049										0		0
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	bracket	sharps		2022-12-30	1038.31		x	x						1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	flowmeter	oxygen		2022-09-20	1051		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	flowmeter	medical air		2022-09-20	1049		x		x					1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	regulator	vacuum	add nipple	2022-09-20	1079		x		x					1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	monitor	vital sign	mobile	2022-06-30	1068	x					x		1		1	0	1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	chair	visitor		2021-06-15	5007		x					x		1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	screen	privacy	mobile	2022-02-25	8005		x		x					1	1		1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	ceiling lift	x-y gantry		2022-03-31	1031										0		0
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	pump	infusion	mobile Medfusion 3500	2021-09-14	2041.1	x					x		1		1	0	1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming	monitor physiological	mobile	Qube Compact	2022-04-08	2035.13		p/h			x					0	1	1
Phase 1	A4.5	1238.02	ER	1	Exam Treatment Bay Streaming															0	0	0
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	recliner	treatment		2020-03-18	1261		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	table	overbed		2021-10-19	1082.6		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	dispenser	soap		2022-02-23	1045										0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	dispenser	paper towel		2022-02-23	1044										0		0
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	dispenser	glove	quad universal	2022-11-22	1042.6		x	x						1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	dispenser	waterless	hand wash	2022-11-22	1048		x	x						1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	stand	mayo		2021-10-26	2049										0		0
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	bracket	sharps		2022-12-30	1038.31		x	x						1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	stool	exam		2021-05-20	5013										0		0
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	flowmeter	oxygen		2022-09-20	1051		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	flowmeter	medical air		2022-09-20	1049		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	regulator	vacuum	add nipple	2022-09-20	1079		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	chair	visitor		2021-06-15	5007		x					x		1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	screen	privacy	mobile	2022-02-25	8005		x		x					1	1		1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	ceiling lift	x-y gantry		2022-03-31	1031										0		0
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	pump	infusion	mobile Medfusion 3500	2021-09-14	2041.1	x					x		1		1	0	1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming	monitor physiological	mobile	Qube Compact	2022-04-08	2035.13		p/h			x					0	1	1
Phase 1	A4.5	1238.03	ER	1	Exam Treatment Bay Streaming															0	0	0
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	recliner	treatment		2020-03-18	1261		x		x					1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	table	overbed		2021-10-19	1082.6		x		x					1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	dispenser	soap		2022-02-23	1045										0		0
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	dispenser	paper towel		2022-02-23	1044										0		0
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	dispenser	glove	quad universal	2022-12-30	1042.6		x	x						1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	stand	mayo		2021-10-26	2049										0		0
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	bracket	sharps		2022-12-30	1038.31		x	x						1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	stool	exam		2021-05-20	5013										0		0
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	flowmeter	oxygen		2022-09-20	1051		x		x					1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	flowmeter	medical air		2022-09-20	1049		x		x					1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	regulator	vacuum	add nipple	2022-09-20	1079		x		x					1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1

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Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	screen	privacy	mobile	2022-02-25	8005		x		x					1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	chair	visitor		2021-06-15	5007		x					x		1	1		1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	pump	infusion	mobile Medfusion 3500	2021-09-14	2041.1	x					x		1		1	0	1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming	monitor physiological	mobile	Qube Compact	2022-04-08	2035.13		p/h			x					0	1	1
Phase 1	A4.5	1238.04	ER	1	Exam Treatment Bay Streaming															0	0	0
Phase 1	A4.6	1246	ER	1	Washroom Patient	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A4.6	1246	ER	1	Washroom Patient	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A4.6	1246	ER	1	Washroom Patient	container	sharps	tamper proof	2023-01-06	1038.16		x	x						1	1		1
Phase 1	A4.6	1246	ER	1	Washroom Patient	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A4.6	1246	ER	1	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.7	1COR16.01	ER	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A4.7	1COR16.01	ER	1	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A4.7	1COR16.01	ER	1	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.7	1COR18.01	ER	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A4.7	1COR18.01	ER	1	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A4.7	1COR18.01	ER	1	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.7	1COR18.01	ER	1	Alcove Hand Hygiene Sink	television	entertainment	public 55" wall mount	2022-11-24	6006		x		x					1	1		1
Phase 1	A4.7	1COR18.01	ER	1	Alcove Hand Hygiene Sink	cable	television		2022-11-24	6006		x		x					1	1		1

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Phase 1	A4.7	1COR18.01	ER	1	Alcove Hand Hygiene Sink	bracket	television	wall mount tilt	2022-11-24	1013.25		x	x						1	1		1
	Staff Support Area																					
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	computer terminal	pc	keyboard, mouse and barcode scanner, dual monitors	2022-02-28	6001		x			x				1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	bracket	computer	side by side dual monitor & handle kit (97-783)	2022-02-28	5032.9		x			x				1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	chair	phlebotomy		2022-06-06	1264.4	x							1		1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	printer	label	zebra	2022-03-02	6011.4		x			x				1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	cart	phlebotomy	model ML7910 - IHA# 0106339 sharps container mounted on cart	2022-02-28	1320.4		x		x					1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	container	sharps	phlebotomy cart ML7930	2022-02-28	1320.4		x		x					1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	chair	task		2022-03-24	5006		x					x		1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	container	biohazard	6 gallon (23 l)	2021-11-24	1005.2		x		x					1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area	dispenser	glove	quad universal	2022-06-23	1042.6		x	x						1	1		1
Phase 1	A4.8	1107	ER	1	Satellite Lab Collection Area															0		0
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	computer terminal	pc	single monitor - sits on millwork	2022-02-07	6001		x			x				1	1		1
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	dispenser	paper towel		2022-02-07	1044										0		0

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Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	dispenser	soap		2022-02-07	1045										0		0
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	printer	label	zebra	2022-03-02	6011.4		x			x				1	1		1
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area	dispenser	glove	quad universal	2022-06-23	1042.6		x	x						1	1		1
Phase 1	A4.9	1107	ER	1	Satellite Lab Work Area															0		0
	Unit Support Area																					
Phase 1	A4.10		ER	1	Medication Room Satellite				2021-09-17											0		0
Phase 1	A4.11	1237.01	ER	1	Alcove Nourishment	machine	ice	countertop	2022-02-16	1056.4		x							1	1		1
Phase 1	A4.11	1237.01	ER	1	Alcove Nourishment	refrigerator	under counter		2022-04-26	1076	x							1		1		1
Phase 1	A4.11	1237.01	ER	1	Alcove Nourishment	whiteboard	magnetic	2x3	2022-04-27	1090		x	x						1	1		1
Phase 1	A4.11	1237.01	ER	1	Alcove Nourishment															0		0
Phase 1	A4.12	1COR21.02	ER	1	Alcove Equipment Large	pole	iv		2022-06-20	1070										0		0
Phase 1	A4.12	1COR21.02	ER	1	Alcove Equipment Large	cart	procedure	iv cart	2022-11-29	1145.3		x		x					1	1		1
Phase 1	A4.12	1COR21.02	ER	1	Alcove Equipment Large	cart	cast		2022-06-17	1147				x						0		0
Phase 2	A4.12	1COR21.02	ER	1	Alcove Equipment Large	imaging equipment	radiology	portable x-ray include detector	2022-03-24	3004		x				x			1	1		1

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Phase 2	A4.12	1COR21.02	ER	1	Alcove Equipment Large	bin	recycling	confidential	2022-07-15	1222.1										0		0
Phase 2	A4.12	1COR21.02	ER	1	Alcove Equipment Large															0		0
	A5 Staff Support Area																					
Phase 1	A5.1	5018	ER	1	Meeting Room	video conferencing	misc cords, cables microphone, camera, repeater, etc.		2022-06-06	6007.18							x		1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room	television	video conferencing	75" wall mount	2022-06-06	6007.16							x		1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room	bracket	television / video conference	wall mount tilt	2022-02-24	6007.19		x	x				x		1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room	computer terminal	pc	for video conferencing, wireless mouse and keyboard	2022-10-05	6001		x			x				1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room	bracket	computer	wall mount Dell OptiPlex 7090 Ultra	2022-10-05	7061.6		x	x						1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room	whiteboard	magnetic	4x6	2020-03-18	1090.8		x	x						1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room	chair	conference	Silq	2021-11-18	5021.9		x					x		8	8		8
Phase 1	A5.1	5018	ER	1	Meeting Room	table	rectangular		2022-02-15	5018		x					x		1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room	container	recycling	medium	2020-03-18	1037		x		x					1	1		1
Phase 1	A5.1	5018	ER	1	Meeting Room															0		0
Phase 1	A5.2	1251	ER	1	Office Private	computer terminal	pc		2020-03-18	6001	x				x			1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A5.2	1251	ER	1	Office Private	whiteboard	magnetic	3x4	2022-02-15	1090		x	x						2	2		2
Phase 1	A5.2	1251	ER	1	Office Private	stool	wheeled	with back support	2021-07-29	1226.4	x							1		1		1
Phase 1	A5.2	1251	ER	1	Office Private	chair	visitor		2020-03-18	5007		x					x		2	2		2
Phase 1	A5.2	1251	ER	1	Office Private	workstation	office	l-shape	2020-03-18	5020	x						x		1	1		1
Phase 1	A5.2	1251	ER	1	Office Private	cabinet	filing	lateral 4 drawer	2022-02-15	5010										0		0
Phase 1	A5.2	1251	ER	1	Office Private	keyboard tray			2020-03-18	5011		x					x		1	1		1
Phase 1	A5.2	1251	ER	1	Office Private	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A5.2	1251	ER	1	Office Private	container	recycling	large	2020-03-18	1037		x		x					1	1		1
Phase 1	A5.2	1251	ER	1	Office Private	table	round		2020-03-18	5019		x					x		1	1		1
Phase 1	A5.2	1251	ER	1	Office Private	printer	laser		2022-03-02	6004.6	x				x			1		1		1
Phase 1	A5.2	1251	ER	1	Office Private	printer	label		2022-08-12	6011.4		x			x				0	0		0
Phase 1	A5.2	1251	ER	1	Office Private																	0
Phase 1	A5.2	1257	ER	1	Office Private	computer terminal	pc		2020-03-18	6001	x				x			1		1		1
Phase 1	A5.2	1257	ER	1	Office Private	whiteboard	magnetic	2x3	2022-02-28	1090		x	x						2	2		2
Phase 1	A5.2	1257	ER	1	Office Private	bookcase	tall		2022-02.03	5001.4		x					x		1	1		1
Phase 1	A5.2	1257	ER	1	Office Private	chair	task	80%	2020-03-18	5006.12		x					x		1	1		1
Phase 1	A5.2	1257	ER	1	Office Private	chair	visitor		2020-03-18	5007		x					x		2	2		2
Phase 1	A5.2	1257	ER	1	Office Private	workstation	height adjustable		2022-04-25	4025		x					x		1	1		1
Phase 1	A5.2	1257	ER	1	Office Private	cabinet	filing	lateral 4 drawer	2022-02-15	5010										0		0
Phase 1	A5.2	1257	ER	1	Office Private	keyboard tray			2020-03-18	5011		x					x		1	1		1
Phase 1	A5.2	1257	ER	1	Office Private	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A5.2	1257	ER	1	Office Private	container	recycling	large	2020-03-18	1037		x		x					1	1		1
Phase 1	A5.2	1257	ER	1	Office Private	table	round		2020-03-18	5019		x					x		1	1		1

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Phase 1	A5.3	1254	ER	1	Office Shared	computer terminal	pc	CMHEMRC2	2020-03-18	6001	x				x			2		2		2
Phase 1	A5.3	1254	ER	1	Office Shared	whiteboard	magnetic	2x3	2020-03-18	1090	x							1		1		1
Phase 1	A5.3	1254	ER	1	Office Shared	bookcase	tall		2022-02-15	5001.4		x					x		1	1		1
Phase 1	A5.3	1254	ER	1	Office Shared	chair	task	80%	2020-03-18	5006.12		x					x		2	2		2
Phase 1	A5.3	1254	ER	1	Office Shared	chair	visitor		2020-03-18	5007		x					x		2	2		2
Phase 1	A5.3	1254	ER	1	Office Shared	workstation	height adjustable		2022-04-25	4025		x					x		2	2		2
Phase 1	A5.3	1254	ER	1	Office Shared	cabinet	filing	shared	2021-11-09	5010	x							1		1		1
Phase 1	A5.3	1254	ER	1	Office Shared	container	garbage	medium	2021-05-20	1035		x		x					2	2		2
Phase 1	A5.3	1254	ER	1	Office Shared	container	recycling	large	2020-03-18	1037		x		x					2	2		2
Phase 1	A5.3	1254	ER	1	Office Shared	table	round		2022-02-15	5019		x					x		1	1		1
Phase 1	A5.3	1254	ER	1	Office Shared	printer	mfd		2021-10-14	6004					x					0		0
Phase 1	A5.3	1254	ER	1	Office Shared															0		0
Phase 1	A5.3	1256	ER	1	Office Shared	computer terminal	pc		2020-03-18	6001	x				x			2		2		2
Phase 1	A5.3	1256	ER	1	Office Shared	whiteboard	magnetic	3x4	2021-07-29	1090		x	x						2	2		2
Phase 1	A5.3	1256	ER	1	Office Shared	bookcase	tall		2022-02-15	5001.4		x					x		2	2		2
Phase 1	A5.3	1256	ER	1	Office Shared	chair	task	80%	2020-03-18	5006.12		x					x		2	2		2
Phase 1	A5.3	1256	ER	1	Office Shared	chair	visitor		2022-02-15	5007		x					x		2	2		2
Phase 1	A5.3	1256	ER	1	Office Shared	workstation	height adjustable		2022-04-25	4025		x					x		2	2		2
Phase 1	A5.3	1256	ER	1	Office Shared	cabinet	filing	lateral 4 drawer	2020-03-18	5010		x					x		1	1		1
Phase 1	A5.3	1256	ER	1	Office Shared	keyboard tray			2020-03-18	5011		x					x		2	2		2
Phase 1	A5.3	1256	ER	1	Office Shared	container	garbage	medium	2021-05-20	1035		x		x					2	2		2
Phase 1	A5.3	1256	ER	1	Office Shared	container	recycling	large	2020-03-18	1037		x		x					2	2		2
Phase 1	A5.3	1256	ER	1	Office Shared	table	round		2022-02-15	5019		x					x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A5.3	1256	ER	1	Office Shared	stool	step		2022-03-24	5014.5										0		0
Phase 1	A5.3	1256	ER	1	Office Shared															0		0
	A6 Department Support Area																					
Phase 1	A6.1	1234	ER	1	Utility Room Clean X Large	bin system		14 x HSC3661LP 36 x 61 louvered panel 42 x H1236BSK 12 x 36 basket 42 x H1836BSK 18 X 36 basket dividers TBD corner baskets TBD	2022-07-13	1011.13		x		x					14	14		14
Phase 1	A6.1	1234	ER	1	Utility Room Clean X Large	container	recycling	medium	2022-03-28	1037		x		x					1	1		1
Phase 1	A6.1	1234	ER	1	Utility Room Clean X Large	cart	wire	4'w x 18"d x 5'h (Uline)	2022-03-28	1210	x							3		3		3
Phase 1	A6.1	1234	ER	1	Utility Room Clean X Large	stool	step	wheeled	2022-02-25	5037.1	x							1		1		1
Phase 1	A6.1	1234	ER	1	Utility Room Clean X Large	cart	procedure	dressing	2022-07-14	1145.3		x		x					1	1		1
Phase 1	A6.1	1234	ER	1	Utility Room Clean X Large															0		0
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	cart	lakeside		2022-05-06	1020	x							1		1		1

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Phase 1	A6.2	1203	ER	1	Utility Room Soiled	cart	wire	mobile - Vernacare supplies 36"w x 18"d x 5'h	2022-05-06	1210	x							1		1		1
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	cart	Rubbermaid	for mdr	2022-02-24	1027.17	x							1		1		1
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	macerator	large		2022-03-10	1063.2		x	x						1	1		1
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	pump	Saf-T	order start up supplies per AD	2021-10-29	2101		x				x			1	1		1
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	refrigerator	under counter		2022-02-15	1076	x							1		1		1
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	dispenser	paper towel		2021-06-18	1044		x	x						2	2		2
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	dispenser	soap		2021-06-18	1045		x	x						2	2		2
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	container	garbage	medium	2021-08-19	1035		x		x					2	2		2
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	analyzer	urine		2022-04-27	1389.1	p/h					x				0	1	0
Phase 1	A6.2	1203	ER	1	Utility Room Soiled	container	biohazard	23 litre/6 gallon cytotoxic (red - anything for incineration)	2022-05-10	1005.7		x		x					1	1		1

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Phase 1	A6.2	1203	ER	1	Utility Room Soiled	container	biohazard	23 litre/6 gallon cytotoxic (yellow)	2022-05-10	1005.8		x		x					1	1		1
Phase 1	A6.2	1203	ER	1	Utility Room Soiled															0		0
Phase 1	A6.3	1250	ER	1	Holding Room Soiled	bin	garbage		2022-06-30	1007.9		x		x					1	1		1
Phase 1	A6.3	1250	ER	1	Holding Room Soiled	bin	linen	soiled	2022-06-28	1008.4		x		x					1	1		1
Phase 1	A6.3	1250	ER	1	Holding Room Soiled	bin	recycling		2022-06-30	1009.3		x		x					1	1		1
Phase 1	A6.3	1250	ER	1	Holding Room Soiled	dispenser	paper towel		2021-09-29	1044		x	x						1	1		1
Phase 1	A6.3	1250	ER	1	Holding Room Soiled	dispenser	soap		2021-09-29	1045		x	x						1	1		1
Phase 1	A6.3	1250	ER	1	Holding Room Soiled	container	garbage	medium	2021-10-26	1035		x							1	1		1
Phase 1	A6.3	1250	ER	1	Holding Room Soiled															0		0
Phase 1	A6.4	1262	ER	1	Housekeeping Room	vacuum	housekeeping	wet/dry 14 gallon - see Grainger quote	2022-03-15	1337.5		x		x					1	1		1
Phase 1	A6.4	1262	ER	1	Housekeeping Room	housekeeping equip	buffer swing 11"		2022-03-10	1054.11	x			x					1	1		1
Phase 1	A6.4	1262	ER	1	Housekeeping Room	cart	housekeeping		2022-02-28	1018.2										0		0
Phase 1	A6.4	1262	ER	1	Housekeeping Room	cart	housekeeping		2022-02-28	1018.2		x		x					1	1		1
Phase 1	A6.4	1262	ER	1	Housekeeping Room	ladder	4'	wall mounted	2022-02-25	1059.3		x		x					1	1		1
Phase 1	A6.4	1262	ER	1	Housekeeping Room	dispenser	detergent		2022-03-03	1041.2		x	x						1	1		1
Phase 1	A6.4	1262	ER	1	Housekeeping Room	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A6.4	1262	ER	1	Housekeeping Room	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A6.4	1262	ER	1	Housekeeping Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A6.4	1262	ER	1	Housekeeping Room	housekeeping equip	buffer ride on	Swingo	2022-02-10	1055.5										0		0
Phase 1	A6.4	1262	ER	1	Housekeeping Room															0		0
Phase 1	A6.5	1220	ER	1	Housekeeping Closet	cart	wire	24"x24" for clean supplies	2022-02-03	1210		x		x					1	1		1
Phase 1	A6.5	1220	ER	1	Housekeeping Closet	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A6.5	1220	ER	1	Housekeeping Closet	dispenser	soap		2021-06-07	1045		x	x						1	1		1
Phase 1	A6.5	1220	ER	1	Housekeeping Closet	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

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Phase 1	A6.5	1220	ER	1	Housekeeping Closet	container	biohazard	10 gallon	2021-11-23	1005.3		x		x					1	1		1
Phase 1	A6.5	1220	ER	1	Housekeeping Closet	bucket	mop	bucket w/ down press wringer for mop order mop	2021-11-23	1223.1		x		x					1	1		1
Phase 1	A6.5	1220	ER	1	Housekeeping Closet	dispenser	detergent		2022-03-03	1041.2		x	x						1	1		1
Phase 1	A6.5	1220	ER	1	Housekeeping Closet	vacuum	housekeeping		2022-03-28	1337.3		x		x					1	1		1
Phase 1	A6.5	1220	ER	1	Housekeeping Closet															0		0
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	scanner	bladder		2022-07-15	1158.1	x					x		1		1		1
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	pump	infusion	Sigma Spectrum	2021-09-14	2041.1	x					x		6		6		6
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	chair	visitor		2021-10-25	5007.18		x					x		6	6		6
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	cart	case		2022-04-08	4004.8		x		x					1	1		1
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	evacuation device			2022-01-18	1238.1		x		x					2	2		2
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	bin system			2022-03-28	1011		x		x					1	1		1
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	ultrasound		Fujifilm x-porte mobile	2022-06-23	3007.9									0			0
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	commode			2022-06-16	1270	x							2		2		2
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	pole	iv		2022-06-20	1070	x								2	2		2
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	pump	epidural pain		2022-06-20	2040	x					x		3		3		3

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Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	cart	wire	large	2022-06-20	1210		x		x					1	1		1
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	vacuum	cast	Stryker Castvac	2022-06-20	1366.1	x							1		1		1
Phase 1	A6.6	1236	ER	1	Storage Room Equipment Large	kit	spill		2023-01-12	1153	x		x					1		1		1
	A7 Staff Amenity Area																					
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	dispenser	paper towel		2021-04-14	1044		x	x						1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	computer terminal	pc		2022-02-07	6001					x					0		0
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	workstation	office	computer	2020-03-18	5020										0		0
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	television	entertainment	staff 44" wall mount Samsung	2022-11-22	6006	x							1		1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	bracket	television	wall mount tilt	2022-11-22	1013	x		x					1		1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	whiteboard	magnetic	2x3	2022-02-07	1090		x	x						1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	chair	lounge	recliner	2020-03-18	1261		x					x		4	4		4
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	chair	visitor		2022-04-27	5007		x					x		4	4		4
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	table	end		2020-03-18	5017		x					x		1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	table	round	seats 4	2022-04-27	5019		x					x		1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	refrigerator	domestic	full size with top freezer	2022-04-08	1076	x							1		1		1

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Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	dishwasher		dishwashers LEED requirements are: • residential (standard and compact): ENERGY STAR • under counter: ≤ 6.0 liters/rack • stationary, single tank, door: ≤ 5.3 liters/rack • single tank, conveyor: ≤ 3.8 liters/rack • multiple tank, conveyor: ≤ 3.4 liters/rack • flight machine: ≤ 680 liters/hour	2020-03-18	1039		x		x						1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	toaster	domestic	residential (standard and compact): ENERGY STAR	2021-07-29	1086	x							1		1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	container	recycling		2020-03-18	1037		x		x					1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	microwave	domestic		2021-07-29	1066	x							1		1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	coffee machine	domestic		2021-09-15	1033.5	x							1		1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large	kettle			2021-10-29	1216		x		x					1	1		1
Phase 1	A7.1	1261.04	ER	1	Lounge Staff Large															0		0
Phase 1	A7.1.1	1261	ER	1	Lockers Staff	hamper	linen	22-09-20 shared with A7.6 only one req between them meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-09-20	1036				x					0	0		0
Phase 1	A7.1.1	1261	ER	1	Lockers Staff															0		0
Phase 1	A7.2	1253	ER	1	Washroom Staff	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A7.2	1253	ER	1	Washroom Staff	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A7.2	1253	ER	1	Washroom Staff	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	A7.2	1253	ER	1	Washroom Staff	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	A7.2	1253	ER	1	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	A7.3	1260	ER	1	Washroom Shower Staff	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	A7.3	1260	ER	1	Washroom Shower Staff	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A7.3	1260	ER	1	Washroom Shower Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A7.4	1261.01	ER	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2021-06-08	1044		x	x						1	1		1
Phase 1	A7.4	1261.01	ER	1	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	A7.4	1261.01	ER	1	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	A7.5	1258	ER	1	On Call Room	bed	single	frame, mattress	2021-05-20	1002		x		x					1	1		1
Phase 1	A7.5	1258	ER	1	On Call Room	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	A7.5	1258	ER	1	On Call Room	workstation	office		2020-03-18	5020		x					x		1	1		1
Phase 1	A7.5	1258	ER	1	On Call Room	lamp	table		2021-05-20	1289		x		x					1	1		1
Phase 1	A7.5	1258	ER	1	On Call Room	cabinet	bedside		2022-03-28	5002		x					x		1	1		1
Phase 1	A7.5	1258	ER	1	On Call Room															0		0
Phase 1	A7.6	1261.02	ER	1	Lockers On Call	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	A7.6	1261.02	ER	1	Lockers On Call	cart	linen	24x20 for scrubs	2022-02-25	1021.2		x		x					1	1		1
Phase 1	A7.7	1261.03	ER	1	Washroom Shower Staff	dispenser	paper towel		2021-06-18	1044		x	x						1	1		1
Phase 1	A7.7	1261.03	ER	1	Washroom Shower Staff	dispenser	soap		2021-05-18	1045		x	x						1	1		1
Phase 1	A7.7	1261.03	ER	1	Washroom Shower Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1		1COR29.1	MI	1	Waiting	chair	waiting	single with arms	2022-11-17	5008		x					x		6	6		6
Phase 1		1COR29.1	MI	1	Waiting	chair	waiting	hip single with arms	2022-11-17	5008		x					x		1	1		1
Phase 1		1COR29.1	MI	1	Waiting	chair	waiting	bariatric	2022-11-17	5008		x					x		2	2		2
Phase 1		1COR29.1	MI	1	Waiting	table	end		2022-11-17	5017		x					x		2	2		2
Phase 1		1COR29.1	MI	1	Waiting	television	entertainment	public 43"	2022-11-17	6006		x		x					1	1		1
Phase 1		1COR29.1	MI	1	Waiting	cable	television		2022-11-17	6006		x		x					1	1		1

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Phase 1		1COR29.1	MI	1	Waiting	bracket	television	wall mount tilt	2022-11-17	1013.25		x	x						1	1		1
Phase 1		1COR29.1	MI	1	Waiting	dispenser	paper towel		2022-11-17	1044		x	x						1	1		1
Phase 1		1COR29.1	MI	1	Waiting	dispenser	soap		2022-11-17	1045		x	x						1	1		1
Phase 1		1COR29.1	MI	1	Waiting	container	garbage	medium	2022-11-17	1035		x		x					1	1		1
Phase 1		1COR29.1	MI	1	Waiting	dispenser	waterless	hand wash	2022-11-17	1048		x	x						1	1		1
	Corridors - Level 1 ER																					
Phase 1	201-L	1COR11	ER	1	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						7	7		7
Phase 1	201-L	1COR11	ER	1	Corridor	dispenser	wipe	disinfectant	2023-01-11	1024.1		x	x						1	1		1
Phase 1	201-L	1COR11	ER	1	Corridor	dispenser	wipe	disinfectant	2023-01-03	1024.1		x	x						1	1		1
Phase 1	201-L	1COR11	ER	1	Corridor	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-L	1COR11	ER	1	Corridor	dispenser	wipe	disinfectant	2023-01-11	1024.1		x	x						1	1		1
Phase 1	201-L	1COR12	ER	1	Corridor	dispenser	waterless	hand wash	2022011-01	1048		x	x						2	2		2
Phase 1	201-L	1COR12	ER	1	Corridor	dispenser	waterless	hand wash	2022011-01	1048		x	x						2	2		2
Phase 1	201-L	1COR12	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR12	ER	1	Corridor	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-L	1COR13	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR14	ER	1	Corridor	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-L	1COR14	ER	1	Corridor	dispenser	wipe	disinfectant	2023-01-11	1024.1		x	x						1	1		1
Phase 1	201-L	1COR15	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR15	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1

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Phase 1	201-L	1COR15	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR15	ER	1	Corridor	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-L	1COR15	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR15	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR15	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR16	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR16	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR16	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR16	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR16	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR16	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR17	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR17	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR17	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR17	ER	1	Corridor	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-L	1COR17	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR17	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR17	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1

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Phase 1	201-L	1COR18	ER	1	Corridor	cart	procedure	suture	2022-07-15	1145.3		x		x					1	1	0	1
Phase 1	201-L	1COR18	ER	1	Corridor	cart	procedure	iv cart	2022-07-15	1145.3		x		x					1	1	0	1
Phase 1	201-L	1COR21	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	102-V	1COR22	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	102-V	1COR22	ER	1	Corridor	dispenser	wipe	disinfectant	2023-01-11	1024.1		x	x						1	1		1
Phase 1	201-L	1COR23	ER	1	Elevator Lobby, S	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	wipe	disinfectant	2023-01-11	1024.1		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	system display repeater	physiological	42" wall mount	2022-11-22	2035		x					x		1	1	1	2
Phase 1	201-L	1COR24	ER	1	Corridor	bracket	television / physiological	wall mount tilt	2022-11-22	1013.25		x					x		1	1	1	2
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1

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Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR24	ER	1	Corridor	system display repeater	physiological	42" wall mount	2023-01-05	2035		x					x		1	1	1	2
Phase 1	201-L	1COR24	ER	1	Corridor	bracket	television / physiological	wall mount tilt	2023-01-05	1013.25		x					x		1	1	1	2
Phase 1	201-L	1COR25	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR25	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR25	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR25	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR26	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR26	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR26	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR26	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR26	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR26	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR26	ER	1	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR27	ER	1	OCZ Vest	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	201-L	1COR28	ER	1	Vestibule	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1

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Phase 1	201-L	1COR28	ER	1	Vestibule	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
	B - Medical Surgical Inpatient Unit																					
	B1 Unit Entrance Area																					
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	chair	waiting	single with arms	2022-02-09	5008		x					x		17	17		17
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	chair	waiting	hip single with arms	2021-09-17	5008		x					x		1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	chair	waiting	bariatric	2021-09-17	5008		x					x		2	2		2
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	television	digital messaging	public 55"	2022-11-22	6006		x							1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	television	entertainment	public 55"	2022-11-22	6006		x		x					1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	cable	television		2022-11-22	6006		x		x					1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	table	end		2022-02-09	5017		x					x		2	2		2
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	dispenser	waterless	hand wash	2022-02-09	1048		x	x						1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	dispenser	paper towel		2022-02-09	1044		x	x						1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	dispenser	soap		2022-02-09	1045		x	x						1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large	container	garbage	large	2022-02-09	1035.1		x		x					1	1		1
Phase 1	B1.1	2COR01.03	IPU	2	Waiting Room Large								x							0		0
Phase 1	B1.1.1	2COR01.02	IPU	2	Alcove Respiratory Station				2020-03-23											0		0
Phase 1	B1.1.2	2COR01.02	IPU	2	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B1.1.2	2COR01.02	IPU	2	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B1.1.2	2COR01.02	IPU	2	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B1.2	2102	IPU	2	Washroom Public	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B1.2	2102	IPU	2	Washroom Public	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B1.2	2102	IPU	2	Washroom Public	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B1.2	2102	IPU	2	Washroom Public	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B1.2	2102	IPU	2	Washroom Public	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B1.2	2101	IPU	2	Washroom Public	dispenser	paper towel		2021-06-17	1044		x	x						1	1		1

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Phase 1	B1.2	2101	IPU	2	Washroom Public	dispenser	soap		2021-06-17	1045		x	x						1	1		1
Phase 1	B1.2	2101	IPU	2	Washroom Public	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B1.2	2101	IPU	2	Washroom Public	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B1.2	2101	IPU	2	Washroom Public	container	garbage	large	2021-06-17	1035.1		x		x					1	1		1
	Corridors, Public - Level 2 IPU																					
Phase 1	203-C	2COR01	IPU	2	Corridor, Public	station	charging	cell phone	2022-11-28	1327		x			x				1	1		1
Phase 1	203-C	2COR01	IPU	2	Corridor, Public	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	203-C	2COR01	IPU	2	Corridor, Public	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	203-C	2COR01	IPU	2	Corridor, Public	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
	B2 12 Bed Clinical Area																					
Phase 1	B2.1	2107	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x							1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	bed	inpatient		2020-03-23	1171		x							1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	chair	sleeper		2022-06-06	1174.9		x							1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	chair	visitor		2021-10-19	5007		x							1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	chair	patient	ortho	2022-06-17	5005.3		x							1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	container	garbage	medium	2022-03-21	1035		x		x					1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	flowmeter	medical air		2022-07-12	1049		x		x					2	2		2
Phase 1	B2.1	2107	IPU	2	Patient Room Private	flowmeter	oxygen		2022-07-12	1051		x		x					2	2		2
Phase 1	B2.1	2107	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-07-12	1079		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.1	2107	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2107	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2107	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	hamper	linen	place under millwork	2021-05-13	1036		x							1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090		x	x						1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	pump	infusion	mobile	2020-03-23	2041		x				x			1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	pole	iv	for infusion pump	2020-03-23	1070		x							1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2107	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2107	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2108	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	bed	inpatient		2020-03-23	1171		x							1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	chair	sleeper		2022-06-06	1174.9		x					x		1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2108	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2

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Phase 1	B2.1	2108	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2108	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2108	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2108	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036		x		x					1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	chair	visitor		2020-03-23	5007		x					x		1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	chair	patient	ortho	2022-06-06	5005.3		x					x		1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090		x	x						1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						2	2		2
Phase 1	B2.1	2108	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041		x				x			1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070		x							1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098									1	1		1
Phase 1	B2.1	2108	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2115	IPU	2	Patient Room Private	bed	inpatient		2021-08-18	1171	x							1		1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	chair	sleeper		2022-06-23	1174.9		x					x		1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	chair	visitor		2022-05-20	5007										0		0

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Phase 1	B2.1	2115	IPU	2	Patient Room Private	chair	patient	ortho	2022-05-20	5005.3										0		0
Phase 1	B2.1	2115	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		P/H	x						1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2115	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.1	2115	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2115	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2108	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2115	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041	x					x			1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070	x								1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036	x								1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090			x						1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2115	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2115	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2116	IPU	2	Patient Room Private	bed	inpatient		2021-08-18	1171	x							1		1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1

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Phase 1	B2.1	2116	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	chair	sleeper		2022-06-23	1174.9										0		0
Phase 1	B2.1	2116	IPU	2	Patient Room Private	chair	visitor		2022-05-20	5007										0		0
Phase 1	B2.1	2116	IPU	2	Patient Room Private	chair	patient	ortho	2022-06-23	5005.3		x					x		1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		P/H	x						1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2116	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.1	2116	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2116	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2108	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2116	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041	x					x			1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070	x								1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036	x								1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090			x						1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2116	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0

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Phase 1	B2.1	2116	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2118	IPU	2	Patient Room Private	bed	inpatient		2021-08-18	1171	x							1		1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	chair	sleeper	bariatric	2022-06-06	1174.9										0		0
Phase 1	B2.1	2118	IPU	2	Patient Room Private	chair	visitor	bariatric	2022-06-23	5007		x					x		1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	chair	patient	ortho bariatric	2022-06-23	5005.3		x					x		1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2118	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.1	2118	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2118	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2118	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2118	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041	x					x		1		1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070	x							1		1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090			x						1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1

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Phase 1	B2.1	2118	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2118	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2118	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2119	IPU	2	Patient Room Private	bed	inpatient		2021-08-18	1171	x							1		1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	chair	sleeper	bariatric	2022-06-23	1174.9	x							1		1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	chair	visitor		2022-06-23	5007		x					x		1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	chair	patient	ortho	2022-06-06	5005.3		x					x			0		0
Phase 1	B2.1	2119	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2119	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.1	2119	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2119	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2119	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.1	2119	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041	x					x		1		1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070	x							1		1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090			x						1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2119	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2119	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2126	IPU	2	Patient Room Private	bed	inpatient		2021-08-18	1171	x							1		1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	chair	sleeper		2022-06-23	1174.9	x						x	1		1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	chair	visitor	bariatric	2022-06-23	5007		x					x		1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	chair	patient	ortho	2022-05-20	5005.3							x			0		0
Phase 1	B2.1	2126	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2126	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.1	2126	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2126	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2126	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2126	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041	x					x		1		1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070	x							1		1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090			x						1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2126	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2126	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2128	IPU	2	Patient Room Private	bed	inpatient		2021-08-18	1171	x							1		1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	chair	sleeper		2022-06-23	1174.9		x					x		1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	chair	visitor		2022-06-23	5007		x					x		1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	chair	patient	ortho	2022-05-20	5005.3							x			0		0
Phase 1	B2.1	2128	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.1	2128	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2128	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.1	2128	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2128	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2128	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2128	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041	x					x		1		1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070	x							1		1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090			x						1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2128	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2128	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2143	IPU	2	Patient Room Private	bed	inpatient		2021-08-18	1171	x							1		1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1

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Phase 1	B2.1	2143	IPU	2	Patient Room Private	chair	sleeper	bariatric	2022-06-23	1174.9		x					x		1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	chair	visitor	bariatric	2022-06-23	5007		x					x		1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	chair	patient	ortho	2022-05-20	5005.3							x			0		0
Phase 1	B2.1	2143	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2143	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.1	2143	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2143	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2143	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2143	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041	x					x		1		1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070	x							1		1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090			x						1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2143	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1

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Phase 1	B2.1	2143	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2143	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2145	IPU	2	Patient Room Private	bed	inpatient		2021-08-18	1171	x							1		1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	chair	sleeper		2022-06-06	1174.9										0		0
Phase 1	B2.1	2145	IPU	2	Patient Room Private	chair	visitor		2022-06-23	5007		x					x		1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	chair	patient	ortho	2022-06-23	5005.3		x					x		1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.1	2145	IPU	2	Patient Room Private	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.1	2145	IPU	2	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.1	2145	IPU	2	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.1	2145	IPU	2	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.1	2145	IPU	2	Patient Room Private	pump	infusion		2020-03-23	2041	x					x		1		1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	pole	iv		2020-03-23	1070	x							1		1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	whiteboard	magnetic	18"x24"	2022-04-08	1090			x						1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	dispenser	soap		2020-03-23	1045		x	x						1	1		1

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Phase 1	B2.1	2145	IPU	2	Patient Room Private	dispenser	glove	quad universal	2022-04-08	1042.6		x	x						1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.1	2145	IPU	2	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2145	IPU	2	Patient Room Private															0		0
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	bed	inpatient		2021-08-18	1171	x							1		1	1	2
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	ceiling lift	x-y gantry		2022-03-31	1031		p/h					x			0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	cabinet	bedside	patient storage	2022-04-08	5002		p/h		x						0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	table	overbed		2021-05-20	1082.6		p/h		x						0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	chair	sleeper		2022-06-06	1174.9										0		0
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	chair	visitor	bariatric	2022-06-23	5007		p/h					x			0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	chair	patient	ortho	2022-06-23	5005.3		p/h					x			0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	dispenser	waterless	hand wash	2021-05-20	1048		p/h	x							0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	container	garbage	large	2021-05-20	1035.1		p/h		x						0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	container	sharps	small standard	2022-07-08	1038.37		p/h	x							0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	bracket	sharps		2022-07-08	1038.31		p/h	x							0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	flowmeter	medical air		2020-03-23	1049		p/h		x						0	2	2
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	flowmeter	oxygen		2020-03-23	1051		p/h		x						0	2	2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	regulator	vacuum	add nipple	2022-06-30	1079		p/h		x						0	2	2
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	canister	suction	add liner / tubing	2022-09-22	1052		p/h	x							0	2	2
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	basket			2022-07-14	2006.3		p/h		x						0	2	2
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	pump	infusion		2020-03-23	2041	p/h					x		1		1	1	2
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	pole	iv		2020-03-23	1070	p/h							1		1	1	2
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	hamper	linen		2021-05-13	1036	p/h							1		1	1	2
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	whiteboard	magnetic	18"x24"	2022-04-08	1090		p/h	x							0		0
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	dispenser	paper towel		2020-03-23	1044		p/h	x							0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	dispenser	soap		2020-03-23	1045		p/h	x							0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	dispenser	glove	quad universal	2022-04-08	1042.6		p/h	x							0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		p/h				x				0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		p/h	x							0	1	1
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2147	IPU	2	Patient Room Private (Future)															0		0
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	bed	inpatient		2021-08-18	1171	x	p/h						1		1	1	2
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	ceiling lift	x-y gantry		2022-03-31	1031		p/h					x			0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	cabinet	bedside	patient storage	2022-04-08	5002		p/h		x						0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	table	overbed		2021-05-20	1082.6		p/h		x						0	1	1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	chair	sleeper		2022-06-06	1174.9										0		0
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	chair	visitor		2022-06-23	5007		p/h					x			0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	chair	patient	ortho	2022-06-23	5005.3		p/h					x			0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	dispenser	waterless	hand wash	2021-05-20	1048		p/h	x							0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	container	garbage	large	2021-05-20	1035.1		p/h		x						0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	container	sharps	small standard	2022-07-08	1038.37		p/h	x							0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	bracket	sharps		2022-07-08	1038.31		p/h	x							0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	flowmeter	medical air		2020-03-23	1049		p/h		x						0	2	2
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	flowmeter	oxygen		2020-03-23	1051		p/h		x						0	2	2
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	regulator	vacuum	add nipple	2022-06-30	1079		p/h		x						0	2	2
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	canister	suction	add liner / tubing	2022-09-22	1052		x	x							0	2	2
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	basket			2022-07-14	2006.3		x		x						0	2	2
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	pump	infusion		2020-03-23	2041		x				x				0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	pole	iv		2020-03-23	1070		x								0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	hamper	linen		2021-05-13	1036		x								0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	whiteboard	magnetic	18"x24"	2022-04-08	1090		p/h	x							0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	dispenser	paper towel		2020-03-23	1044		x	x							0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	dispenser	soap		2020-03-23	1045		x	x							0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	dispenser	glove	quad universal	2022-04-08	1042.6		x	x							0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x				0	1	1
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x							0	1	1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.1	2151	IPU	2	Patient Room Private (Future)															0		0
Phase 1	B2.1.1	2107.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2107.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2107.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2107.01	IPU	2	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B2.1.1	2108.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2108.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2108.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2108.01	IPU	2	Washroom Shower Ensuite	commode			2021-12-07											0		0
Phase 1	B2.1.1	2115.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2115.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2115.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2115.01	IPU	2	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B2.1.1	2116.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2116.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2116.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2116.01	IPU	2	Washroom Shower Ensuite	commode			2021-12-07											0		0
Phase 1	B2.1.1	2118.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1

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Phase 1	B2.1.1	2118.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2118.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2118.01	IPU	2	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B2.1.1	2119.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2119.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2119.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2119.01	IPU	2	Washroom Shower Ensuite	commode			2021-12-07											0		0
Phase 1	B2.1.1	2126.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2126.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2126.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2126.01	IPU	2	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B2.1.1	2128.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2128.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2128.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2128.01	IPU	2	Washroom Shower Ensuite	commode			2021-12-07											0		0
Phase 1	B2.1.1	2143.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2143.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2143.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

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Phase 1	B2.1.1	2143.01	IPU	2	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B2.1.1	2145.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2145.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2145.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2145.01	IPU	2	Washroom Shower Ensuite	commode			2021-12-07											0		0
Phase 1	B2.1.1	2147.01	IPU	2	Washroom Shower Ensuite (Future)	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2147.01	IPU	2	Washroom Shower Ensuite (Future)	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2147.01	IPU	2	Washroom Shower Ensuite (Future)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2147.01	IPU	2	Washroom Shower Ensuite (Future)	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B2.1.1	2151.01	IPU	2	Washroom Shower Ensuite (Future)	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.1.1	2151.01	IPU	2	Washroom Shower Ensuite (Future)	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.1.1	2151.01	IPU	2	Washroom Shower Ensuite (Future)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.1.1	2151.01	IPU	2	Washroom Shower Ensuite (Future)	commode			2021-12-07											0		0
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	cabinet	bedside	patient storage	2022-04-08	5002		x		x					2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	ceiling lift	x-y gantry		2022-03-31	1031		x					x		2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	bed	inpatient		2021-08-18	1171		x							2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	chair	sleeper	bariatric	2022-06-06	1174.9		x							2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	chair	visitor		2022-07-18	5007		x					x		1	1		1
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	chair	patient	ortho bariatric	2022-06-06	5005.3		x					x		2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	dispenser	waterless	hand wash	2022-05-05	1048		x	x						2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	dispenser	paper towel		2021-11-01	1044		x	x						1	1		1
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	dispenser	soap		2021-11-01	1045		x	x						1	1		1
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	dispenser	glove	quad universal	2022-06-22	1042.6		x	x						1	1		1
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	container	sharps	small standard	2022-07-08	1038.37		x	x						2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	bracket	sharps	headwall mount	2022-07-08	1038		x	x						2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	flowmeter	medical air		2020-03-23	1049		x		x					4	4		4
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	flowmeter	oxygen		2020-03-23	1051		x		x					4	4		4
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	regulator	vacuum	add nipple	2022-06-30	1079		x		x					4	4		4
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	basket			2022-07-14	2006.3		x		x					4	4		4
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	table	overbed		2021-05-20	1082.6		x		x					2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	hamper	linen		2021-05-13	1036		x							2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	whiteboard	magnetic	2x3	2020-03-23	1090		x	x						2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	pump	infusion	mobile	2020-03-23	2041		x				x			2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	pole	iv	for infusion pump	2020-03-23	1070		x							2	2		2
Phase 1	B2.1	2113	IPU	2	Patient Room Private	thermometer		vertical rail mounted	2022-02-09	1098		x							2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	screen	privacy	wall mounted	2022-05-05	8005										0		0
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						2	2		2
Phase 1	B2.2	2113	IPU	2	Patient Room Shared	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.2	2113	IPU	2	Patient Room Shared															0		0
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	cabinet	bedside	patient storage	2022-04-08	5002		x		x					2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	ceiling lift	x-y gantry		2022-03-31	1031		x					x		2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	bed	inpatient		2022-07-07	1171		x		x					2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	chair	sleeper		2022-06-23	1174.9		x					x		2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	dispenser	waterless	hand wash	2021-05-20	1048		x	x						2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	dispenser	paper towel		2021-11-01	1044		x	x						1	1		1
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	dispenser	soap		2021-11-01	1045		x	x						1	1		1
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	dispenser	glove	quad universal	2022-06-22	1042.6		x	x						1	1		1
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	container	sharps	small standard	2022-07-08	1038.37		x	x						2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	bracket	sharps	headwall mount	2022-07-08	1038		x	x						2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	flowmeter	medical air		2020-03-23	1049		x		x					4	4		4
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	flowmeter	oxygen		2020-03-23	1051		x		x					4	4		4
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	regulator	vacuum	add nipple	2022-06-30	1079		x		x					4	4		4
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	canister	suction	add liner / tubing	2022-09-22	1052		x	x						4	4		4
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	basket			2022-07-14	2006.3		x		x					4	4		4
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	table	overbed		2021-05-20	1082.6		x		x					2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	hamper	linen		2021-05-13	1036	x								2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	chair	visitor	bariatric	2022-06-23	5007		x					x		2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	chair	patient	ortho	2022-05-20	5005.3							x			0		0
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	whiteboard	magnetic	2x3	2020-03-23	1090		x	x						2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	pump	infusion	mobile	2020-03-23	2041	x					x			1	1		1
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	pole	iv		2020-03-23	1070	x								2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	screen	privacy	wall mounted	2022-05-05	8005										0		0
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						2	2		2
Phase 1	B2.2	2125	IPU	2	Patient Room Shared	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.2	2125	IPU	2	Patient Room Shared															0		0
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	cabinet	bedside	patient storage	2022-04-08	5002		x		x					2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	ceiling lift	x-y gantry		2022-03-31	1031		x					x		2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	bed	inpatient		2022-07-07	1171		x		x					2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	chair	sleeper	bariatric	2022-06-23	1174.9		x					x		1	1		1
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	dispenser	paper towel		2021-11-01	1044		x	x						1	1		1
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	dispenser	soap		2021-11-01	1045		x	x						1	1		1
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	dispenser	glove	quad universal	2022-06-22	1042.6		x	x						1	1		1
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	container	sharps	small standard	2022-07-08	1038.37		x	x						2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	bracket	sharps	headwall mount	2022-07-08	1038		x	x						2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	flowmeter	medical air		2020-03-23	1049		x		x					4	4		4

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	flowmeter	oxygen		2020-03-23	1051		x		x					4	4		4
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	regulator	vacuum	add nipple	2022-06-30	1079		x		x					4	4		4
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	canister	suction	add liner / tubing	2022-09-22	1052		x	x						4	4		4
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	basket			2022-07-14	2006.3		x		x					4	4		4
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	table	overbed		2021-05-20	1082.6		x		x					2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	hamper	linen		2021-05-13	1036	x							2		2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	chair	visitor		2022-06-23	5007		x					x		2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	chair	patient	ortho bariatric	2022-06-23	5005.3		x					x		1	1		1
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	whiteboard	magnetic	2x3	2020-03-23	1090		x	x						2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	pump	infusion		2020-03-23	2041	x					x		2		2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	pole	iv		2020-03-23	1070	x							2		2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	screen	privacy	wall mounted	2022-05-05	8005										0		0
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						2	2		2
Phase 1	B2.2	2142	IPU	2	Patient Room Shared	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.2	2142	IPU	2	Patient Room Shared															0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	cabinet	bedside	patient storage	2022-07-18	5002		x		x					2	2	2	4
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	ceiling lift	x-y gantry		2022-03-31	1031		x					x		2	2	2	4
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	bed	inpatient		2022-07-07	1171		x		x						0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	chair	sleeper		2022-06-23	1174.9		p/h					x			0	1	1
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	dispenser	waterless	hand wash	2021-05-20	1048		x	x							0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	dispenser	paper towel		2021-11-01	1044		x	x							0	1	1
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	dispenser	soap		2021-11-01	1045		x	x							0	1	1
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	dispenser	glove	quad universal	2022-05-05	1042.6		x	x							0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	container	garbage	large	2021-05-20	1035.1		x		x						0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	container	sharps	small standard	2022-07-08	1038.37		x	x							0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	bracket	sharps	headwall mount	2022-07-08	1038		x	x							0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	flowmeter	medical air		2020-03-23	1049		x		x						0	4	4
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	flowmeter	oxygen		2020-03-23	1051		x		x						0	4	4
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	regulator	vacuum	add nipple	2022-06-30	1079		x		x						0	4	4
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	canister	suction	add liner / tubing	2022-09-22	1052		x	x							0	4	4
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	basket			2022-07-14	2006.3		x		x						0	4	4
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	table	overbed		2021-05-20	1082.6		x		x						0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	hamper	linen		2021-05-13	1036	x									0	2	2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	chair	visitor	bariatric	2022-06-23	5007		x					x			0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	chair	patient	ortho	2022-06-23	5005.3		x					x			0	1	1
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	whiteboard	magnetic	2x3	2020-03-23	1090		p/h	x							0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	pump	infusion		2020-03-23	2041	x					x				0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	pole	iv		2020-03-23	1070	x									0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared	screen	privacy	wall mounted	2022-05-05	8005										0		0
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x				0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x							0	2	2
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.2	2153	IPU	2	Patient Room Shared (Future)															0		0
Phase 1	B2.2.1	2113.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.2.1	2113.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.2.1	2113.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.2.1	2113.01	IPU	2	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B2.2.1	2125.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.2.1	2125.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.2.1	2125.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.2.1	2125.01	IPU	2	Washroom Shower Ensuite	commode			2021-12-07											0		0
Phase 1	B2.2.1	2142.01	IPU	2	Washroom Shower Ensuite	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.2.1	2142.01	IPU	2	Washroom Shower Ensuite	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.2.1	2142.01	IPU	2	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.2.1	2142.01	IPU	2	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B2.2.1	2153.01	IPU	2	Washroom Shower Ensuite (Future)	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.2.1	2153.01	IPU	2	Washroom Shower Ensuite (Future)	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.2.1	2153.01	IPU	2	Washroom Shower Ensuite (Future)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.2.1	2153.01	IPU	2	Washroom Shower Ensuite (Future)	commode			2021-12-07											0		0
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	bed	inpatient	bariatric	2021-05-20	1171		x		x					1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	chair	sleeper	bariatric	2022-06-23	1174.9										0		0
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	chair	visitor		2022-05-20	5007										0		0
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	chair	patient	ortho bariatric	2022-06-23	5005.3		x		x					1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	dispenser	soap		2020-03-23	1045		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	flowmeter	medical air		2022-07-12	1049		x		x					2	2		2
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	flowmeter	oxygen		2022-07-12	1051		x		x					2	2		2
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	regulator	vacuum	add nipple	2022-07-12	1079		x		x					2	2		2
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	whiteboard	magnetic	2x3	2020-03-23	1090		x	x						1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	pump	infusion		2020-03-23	2041	x					x		1		1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	pole	iv	for infusion pump	2020-03-23	1070	x							1		1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	thermometer		mounted on equipment trail	2022-07-12	1098										0		0
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	diagnostic set			2022-07-11	1098										0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.3	2106	IPU	2	Patient Room Private Bariatric															0		0
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	bed	inpatient	bariatric	2021-05-20	1171		x		x					1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	chair	sleeper	bariatric	2022-06-23	1174.9		x					x		1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	chair	visitor		2022-06-10	5007										0		0
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	chair	patient	ortho bariatric	2022-06-23	5005.3		x					x		1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	basket			2022-07-14	2006.3		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	whiteboard	magnetic	2x3	2020-03-23	1090		x	x						1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	pump	infusion		2020-03-23	2041	x					x		1		1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	pole	iv		2020-03-23	1070	x							1		1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	chair	patient	ortho bariatric	2022-06-10	5005.3										0		0
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric	monitor	vital sign	mobile	2022-05-11	1068	x					x		1		1		1
Phase 1	B2.3	2123	IPU	2	Patient Room Private Bariatric															0		0
Phase 1	B2.3.1	2106.01	IPU	2	Washroom Shower Ensuite Bariatric	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.3.1	2106.01	IPU	2	Washroom Shower Ensuite Bariatric	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.3.1	2106.01	IPU	2	Washroom Shower Ensuite Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.3.1	2106.01	IPU	2	Washroom Shower Ensuite Bariatric	chair commode	shower	bariatric 3 in 1 (shower, commode and hygiene)	2022-02-02	1340.6		x		x					1	1		1
Phase 1	B2.3.1	2123.01	IPU	2	Washroom Shower Ensuite Bariatric	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.3.1	2123.01	IPU	2	Washroom Shower Ensuite Bariatric	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.3.1	2123.01	IPU	2	Washroom Shower Ensuite Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.3.1	2123.01	IPU	2	Washroom Shower Ensuite Bariatric	chair commode	shower	bariatric 3 in 1 (shower, commode and hygiene)	2022-02-02	1340.6		x		x					1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	bed	inpatient	bariatric	2021-05-20	1171		x							1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1

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Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	flowmeter	oxygen		2020-03-23	1051		x		x					2	2		2
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	flowmeter	medical air		2020-03-23	1049		x		x					2	2		2
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	chair	patient	ortho bariatric	2022-06-23	5005.3		x							1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	chair	visitor	bariatric	2022-05-20	5007										0		0
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	dispenser	glove	quad universal	2022-05-05	1042.6		x	x						2	2		2
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	light	exam	ceiling articulating per AD	2022-03-16	1060		x		x					1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR	monitor	vital sign	mobile Carescape VC150 (GE)	2022-05-11	1068	x					x			1	1		1
Phase 1	B2.4	2131	IPU	2	Patient Room Private Bariatric AIR															0		0
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	bed	inpatient	bariatric	2022-07-07	1171		x		x					1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	dispenser	soap		2020-03-23	1045		x	x						1	1		1

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Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	dispenser	waterless	hand wash	2021-05-20	1048		x	x						2	2		2
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	flowmeter	oxygen		2022-07-12	1051		x		x					2	2		2
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	flowmeter	medical air		2022-07-12	1049		x		x					2	2		2
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	regulator	vacuum	add nipple	2022-07-12	1079		x		x					2	2		2
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	diagnostic set			2022-07-11	1098										0		0
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	chair	visitor	bariatric	2022-06-06	5007		x					x			0		0
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	dispenser	glove	quad universal	2022-05-05	1042.6		x	x						2	2		2
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	light	exam	mobile for anti ligature	2022-03-16	1060.1		x		x					1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	B2.4	2135	IPU	2	Patient Room Private Bariatric AIR															0		0
Phase 1	B2.4.1	2130	IPU	2	Anteroom AIR	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.4.1	2130	IPU	2	Anteroom AIR	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.4.1	2130	IPU	2	Anteroom AIR	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.4.1	2130	IPU	2	Anteroom AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.4.1	2130	IPU	2	Anteroom AIR	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B2.4.1	2130	IPU	2	Anteroom AIR	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	B2.4.1	2130	IPU	2	Anteroom AIR	cart	isolation		2022-03-17	1208.7		x		x					1	1		1
Phase 1	B2.4.1	2130	IPU	2	Anteroom AIR															0		0
Phase 1	B2.4.1	2136	IPU	2	Anteroom AIR	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B2.4.1	2136	IPU	2	Anteroom AIR	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.4.1	2136	IPU	2	Anteroom AIR	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.4.1	2136	IPU	2	Anteroom AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.4.1	2136	IPU	2	Anteroom AIR	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B2.4.1	2136	IPU	2	Anteroom AIR	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	B2.4.1	2136	IPU	2	Anteroom AIR	cart	isolation		2022-03-17	1208.7		x		x					1	1		1
Phase 1	B2.4.1	2136	IPU	2	Anteroom AIR															0		0
Phase 1	B2.4.2	2131.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.4.2	2131.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.4.2	2131.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.4.2	2131.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	macerator	inset in wall	order w/ inset assembly (cut sheet 1063.4)	2022-03-10	1063.1		x	x						1	1		1
Phase 1	B2.4.2	2131.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	insert	wall	macerator	2022-02-28	1063.4		x	x						1	1		1

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Phase 1	B2.4.2	2131.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	chair commode	shower	bariatric 3 in 1 (shower, commode and hygiene)	2022-02-02	1340.6		x		x					1	1		1
Phase 1	B2.4.2	2135.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	dispenser	paper towel		2020-03-23	1044		x	x						1	1		1
Phase 1	B2.4.2	2135.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	dispenser	soap		2020-03-23	1045		x	x						1	1		1
Phase 1	B2.4.2	2135.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	macerator	inset in wall	order w/ inset assembly (cut sheet 1063.4)	2022-03-10	1063.1		x	x						1	1		1
Phase 1	B2.4.2	2135.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B2.4.2	2135.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	insert	wall	macerator	2022-02-28	1063.4		x	x						1	1		1
Phase 1	B2.4.2	2135.01	IPU	2	Washroom Shower Ensuite Bariatric AIR	chair commode	shower	bariatric 3 in 1 (shower, commode and hygiene)	2022-02-02	1340.6		x		x					1	1		1
Phase 1	B2.5 (a)	2COR02.03	IPU	2	Alcove Observation (double)	computer terminal	wow		2022-03-14	6022		x			x				1	1	0	1
Phase 1	B2.5 (a)	2COR02.03	IPU	2	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B2.5 (a)	2COR02.03	IPU	2	Alcove Observation (double)															0		0
Phase 1	B2.5 (a)	2COR04.03	IPU	2	Alcove Observation (double)	computer terminal	wow	per 90% draft review - with locking drawers	2022-03-14	6022		x			x				1	1		1
Phase 1	B2.5 (a)	2COR04.03	IPU	2	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B2.5 (a)	2COR04.03	IPU	2	Alcove Observation (double)															0		0
Phase 1	B2.5 (a)	2COR05.01	IPU	2	Alcove Observation (double)	computer terminal	wow	per 90% draft review - with locking drawers	2022-03-14	6022		x			x				1	1		1

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Phase 1	B2.5 (a)	2COR05.01	IPU	2	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B2.5 (a)	2COR05.01	IPU	2	Alcove Observation (double)															0		0
Phase 1	B2.5 (a)	2COR07.01	IPU	2	Alcove Observation (double)	computer terminal	wow	per 90% draft review - with locking drawers	2022-03-14	6022		x			x				1	1		1
Phase 1	B2.5 (a)	2COR07.01	IPU	2	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B2.5 (a)	2COR07.01	IPU	2	Alcove Observation (double)															0		0
Phase 1	B2.5 (a)	2COR11.03	IPU	2	Alcove Observation (double)	computer terminal	wow	per 90% draft review - with locking drawers	2022-03-14	6022		x			x				1	1		1
Phase 1	B2.5 (a)	2COR11.03	IPU	2	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B2.5 (a)	2COR11.03	IPU	2	Alcove Observation (double)															0		0
Phase 1	B2.5 (a)	2COR15.02	IPU	2	Alcove Observation (double)	computer terminal	wow	per 90% draft review - with locking drawers	2022-03-14	6022		x			x				1	1		1
Phase 1	B2.5 (a)	2COR15.02	IPU	2	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B2.5 (a)	2COR15.02	IPU	2	Alcove Observation (double)															0		0
Phase 1	B2.5 (b)	2COR15.04	IPU	2	Alcove Observation (double)	computer terminal	wow	per 90% draft review - with locking drawers	2022-03-14	6022		x			x				1	1		1
Phase 1	B2.5 (b)	2COR15.04	IPU	2	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B2.5 (b)	2COR15.04	IPU	2	Alcove Observation (double)															0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B2.5 (b)	2COR02.01	IPU	2	Alcove Observation (single)	computer terminal	pc		2022-06-21	6009.4					x					0		0
Phase 1	B2.5 (b)	2COR02.01	IPU	2	Alcove Observation (single)	stool	task	60%	2022-06-21	5003.3							x			0		0
Phase 1	B2.5 (b)	2COR02.01	IPU	2	Alcove Observation (single)	cabinet	chart	Wallaroo	2022-03-29	1199.10	x								1	1		1
Phase 1	B2.5 (b)	2COR02.01	IPU	2	Alcove Observation (single)															0		0
Phase 1	B2.5 (b)	2COR04.01	IPU	2	Alcove Observation (single)	cabinet	chart	Wallaroo	2022-03-29	1199.10	x								1	1		1
Phase 1	B2.5 (b)	2COR04.01	IPU	2	Alcove Observation (single)															0		0
Phase 1	B2.5 (b)	2COR06.01	IPU	2	Alcove Observation (single)	cabinet	chart	Wallaroo	2022-03-29	1199.10	x								1	1		1
Phase 1	B2.5 (b)	2COR06.01	IPU	2	Alcove Observation (single)															0		0
Phase 1	B2.5 (b)	2COR08.01	IPU	2	Alcove Observation (single)	cabinet	chart	Wallaroo	2022-03-29	1199.10	x								1	1		1
Phase 1	B2.5 (b)	2COR08.01	IPU	2	Alcove Observation (single)															0		0
Phase 1	B2.5 (b)	2COR08.02	IPU	2	Alcove Observation (single)	cabinet	chart	Wallaroo	2022-03-29	1199.10	x								1	1		1
Phase 1	B2.5 (b)	2COR08.02	IPU	2	Alcove Observation (single)															0		0
Phase 1	B2.5 (b)	2COR11.01	IPU	2	Alcove Observation (single)	cabinet	chart	Wallaroo	2022-03-29	1199.10	x								1	1		1
Phase 1	B2.5 (b)	2COR11.01	IPU	2	Alcove Observation (single)															0		0
	B3 12 Bed Support Area																					
	Staff Support Area																					

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Phase 1	B3.1	2127	IPU	2	Workstation Touchdown	computer terminal	pc	dual monitors, keyboard, mouse, microphone	2021-11-02	6001		x			x				1	1		1
Phase 1	B3.1	2127	IPU	2	Workstation Touchdown	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B3.1	2127	IPU	2	Workstation Touchdown	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	B3.1	2127	IPU	2	Workstation Touchdown															0		0
Phase 1	B3.1	2127	IPU	2	Workstation Touchdown	computer terminal	pc		2022-06-21	6001		x			x					0	1	1
Phase 1	B3.1	2127	IPU	2	Workstation Touchdown	whiteboard	magnetic	2x3	2022-06-21	1090		x								0	1	1
Phase 1	B3.1	2127	IPU	2	Workstation Touchdown	chair	task	60%	2022-06-21	5006.12		x					x			0	1	1
Phase 1	B3.1	2127	IPU	2	Workstation Touchdown	container	garbage	medium	2022-06-21	1035		x		x						0	1	1
Phase 1	B3.1	2127	IPU	2	Workstation Touchdown															0		0
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown	computer terminal	pc	dual monitors, keyboard, mouse, microphone	2022-07-18	6001		x			x				1	1		1
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown															0		0
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown	computer terminal	pc		2021-11-10	6001		x			x					0	1	1
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown	whiteboard	magnetic	2x3	2021-11-10	1090		x	x							0	1	1
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown	chair	task	60%	2022-02-25	5006.12		x					x			0	1	1
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown	container	garbage	medium	2021-11-10	1035		x		x						0	1	1
Phase 1	B3.1	2137	IPU	2	Workstation Touchdown															0		0
Phase 1	B3.2	2161	IPU	2	Washroom Staff (east)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.2	2161	IPU	2	Washroom Staff (east)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.2	2161	IPU	2	Washroom Staff (east)	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B3.2	2161	IPU	2	Washroom Staff (east)	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B3.2	2161	IPU	2	Washroom Staff (east)	container	garbage	large	2020-03-26	1035.1		x		x					1	1		1

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Phase 1	B3.2	2121	IPU	2	Washroom Staff (west)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.2	2121	IPU	2	Washroom Staff (west)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.2	2121	IPU	2	Washroom Staff (west)	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B3.2	2121	IPU	2	Washroom Staff (west)	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B3.2	2121	IPU	2	Washroom Staff (west)	container	garbage	large	2020-03-26	1035.1		x		x					1	1		1
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	cart	gas	cylinder	2022-06-28	1157.5	x							5		5		5
Phase 2	B3.3	2132	IPU	2	Storage Room Equipment	pump	epidural pain		2021-08-18	2040	x					x		2		2		2
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	pole	iv		2021-06-29	1070	x							1		1		1
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	scanner	bladder		2022-03-25	1158	x					x		1		1		1
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	wheelchair			2021-08-18	1089	x							1		1		1
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	chair commode	shower	Broda - 27" seat width 21" or 23" seat depth 26" back height 21" or 23" seat height	2021-08-18	1340.6	x							2		2		2
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	pump	infusion	Sigma Spectrum	2021-08-18	2041.1	x					x		8		8		8
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	lift	patient	mobile	2022-06-21	1351.16 and 1351.19	x							2		2		2
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	commode			2021-09-19	1270.1	x							4		4		4
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	chair	visitor	stackable - 4 bariatric, 4 regular	2022-06-23	5007.18									8	8		8
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	cart	wire	36"W x 18"D x 60"H	2022-02-09	1210		x							1	1		1

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Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	evacuation device		bags will need to be labelled for Ecotex	2022-02-24	1238.1	x			x				3		3		3
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment	scale	digital	stand on bariatric	2022-05-05	1149.4	x							1		1		1
Phase 1	B3.3	2132	IPU	2	Storage Room Equipment															0		0
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	cart	gas	cylinder	2022-06-28	1157.5	x							5		5		5
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	pump	epidural pain		2021-08-18	2040	x					x		8		8		8
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	pole	iv		2021-08-18	1070	x							12		12		12
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	pump	feeding		2021-08-18	1159	x					x		5		5		5
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	lift	patient	mobile	2021-08-18	1351.13	x							1		1		1
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	walker	2 wheeled		2022-02-25	1375.5	x							2		2		2
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	crib		Stryker cub crib	2022-02-25	1188.3	x							1		1		1
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	cart	lakeside	palliative	2021-10-20	1020.11	x							1		1		1
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	cart	wire	36"W x 18"D x 60"H	2022-02-09	1210		x							1	1		1
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	evacuation device		will need to be labelled for Ecotex	2022-02-24	1238.1	x			x				3		3		3

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	scale	digital	stand on bariatric	2022-03-09	1149.4	x			x				1		1		1
Phase 1	B3.3	2152	IPU	2	Storage Room Equipment	viewer	vein		2022-06-06	3058.1	x					x		1		1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	computer terminal	pc	Solaire - Inner Space	2021-05-19	6001		x			x				1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	cart	medication	Solaire - Inner Space	2022-06-14	1022	x							1		1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	medication management system		1 tower, 3 cells to relocate, seismic restraint required	2021-07-19	1072.1	x					x		1		1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	refrigerator	vaccine	all fridge - no freezer lockable - Omnicell compatible - internal alarm and to BMS	2022-04-08	1077.43	x							1		1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	refrigerator	domestic	Kenmore full size top freezer - for food Dimensions: 24"W x 27.5"D x 59 1/4"H	2022-04-08	1076	x							1		1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	container	recycling	large	2020-03-26	1037		x		x					1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	whiteboard	magnetic	16"x16"	2022-03-24	1090		x	x						1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	cart	wire	with cubbies iv supply cart: 24"d x 36"w x 60"h	2022-05-06	1210.14	x							1		1		1

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Phase 1	B3.4	2122	IPU	2	Med (west)	bin system		1 x HSC3661LP louvered panel 3 x H1236BSK 12 x 36 basket 3 x H1836BSK 18 x 36 basket Dividers TBD 2 x HSC3619LP louvered panel 4 x 12 x 36 baskets dividers TBD	2022-07-18	1011		x		x					3	3		3
Phase 1	B3.4	2122	IPU	2	Med (west)	glucometer			2021-09-19	2061		x				x			1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	dispenser	wipe	disinfectant	2022-09-22	1024.1		x	x						1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	container	pharmaceutical waste	3.8l (IH# 1056776) - order wall mount bracket (IH# 1056775)	2022-07-08	1341.4 / 1341.6	x							1		1		1
Phase 1	B3.4	2122	IPU	2	Med (west)															0		0
Phase 1	B3.4	2112	IPU	2	Med (east)	computer terminal	pc		2021-05-19	6001		x			x				1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	medication management system		1 tower, 3 cells seismic restraint required	2021-07-19	1072.1		x				x			1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	refrigerator	vaccine	all fridge - no freezer lockable - Omnicell compatible - internal alarm and to BMS	2022-02-16	1077.43		x	x						1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	container	recycling	large	2020-03-26	1037		x		x					1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1

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Phase 1	B3.4	2112	IPU	2	Med (east)	bin system		1 x HSC3661LP louvered panel 3 x H1236BSK 12 x 36 basket 3 x H1836BSK 18 x 36 basket Dividers TBD 2 x HSC3619LP louvered panel 4 x 12 x 36 baskets dividers TBD	2022-07-18	1011		x		x					3	3		3
Phase 1	B3.4	2112	IPU	2	Med (east)	glucometer			2021-09-19	2061		x				x			1	1		1
Phase 1	B3.4	2122	IPU	2	Med (west)	dispenser	wipe	disinfectant	2022-09-22	1024.1		x	x						1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	container	pharmaceutical waste	3.8l (IH# 1056776) - order wall mount bracket (IH# 1056775)	2022-07-08	1341.4 / 1341.6	x							1		1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	refrigerator	domestic	under counter for food to mix meds with	2021-11-29	1076		x							1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	whiteboard	magnetic	16"x16"	2021-11-30	1090		x	x						1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	cart	medication	Solaire - Inner Space	2022-05-06	1022	x							1		1		1
Phase 1	B3.4	2112	IPU	2	Med (east)	cart	wire	cubbies for iv solutions	2022-05-06	1210.14		x		x					1	1		1
Phase 1	B3.4	2112	IPU	2	Med (east)															0		0

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Phase 1	B3.5	2124	IPU	2	Utility Room Clean (west)	bin system		7 x HSC3661LP 36 x 61 louvered panel 2 x corner panel 36 x H1236BSK 12 x 36 basket (confirm qty will fit) 36 x H1836BSK 18 x 36 basket (confirm qty will fit) dividers TBD	2022-09-15	1011.13		x		x					9	9		9
Phase 1	B3.5	2124	IPU	2	Utility Room Clean (west)	container	recycling	medium	2022-03-21	1037		x		x					1	1		1
Phase 1	B3.5	2124	IPU	2	Utility Room Clean (west)	cart	wire	48"w x 70"h x 18"d (7 to relocate)	2022-03-28	1210	x							1		1		1
Phase 1	B3.5	2124	IPU	2	Utility Room Clean (west)	whiteboard	magnetic	1x2	2021-11-30			x	x						1	1		1
Phase 1	B3.5	2124	IPU	2	Utility Room Clean (west)	evacuation device		will need to be labelled for Ecotex	2022-02-24	1238.1										0		0
Phase 1	B3.5	2124	IPU	2	Utility Room Clean (west)															0		0
Phase 1	B3.5	2124	IPU	2	Utility Room Clean (west)															0		0
Phase 1	B3.5	2139	IPU	2	Utility Room Clean (east)	bin system		6 x HSC3661LP 36 x 61 louvered panel 1 x _____ 18 x 61 louvered panel 2 x _____ corner panel 27 x H1236BSK 12 x 36 basket (confirm qty will fit) 27 x H1836BSK 18 x 36 basket (confirm qty will fit) dividers TBD	2022-09-15	1011.13		x		x					9	9		9

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B3.5	2139	IPU	2	Utility Room Clean (east)	container	recycling	medium	2022-02-09	1037		x		x					1	1		1
Phase 1	B3.5	2139	IPU	2	Utility Room Clean (east)	cart	wire	48"w x 70"h x 18"d	2022-02-09	1210	x								1	1		1
Phase 1	B3.5	2139	IPU	2	Utility Room Clean (east)	evacuation device		will need to be labelled for Ecotex	2022-02-24	1238.1										0		0
Phase 1	B3.5	2139	IPU	2	Utility Room Clean (east)	cart	wire	24"w x 24"d x 80"h for macerator supplies	2022-06-31	1210										0		0
Phase 1	B3.5	2139	IPU	2	Utility Room Clean (east)															0		0
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	macerator	large		2022-03-10	1063.2		x	x						1	1		1
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	dispenser	paper towel		2021-06-18	1044		x	x						2	2		2
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	dispenser	soap		2021-06-18	1045		x	x						2	2		2
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	container	garbage	large yellow, round	2021-08-18	1035.3	x							1		1		1
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	pump	Saf-T	order start up supplies per AD	2020-03-26	2101		x				x			1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	cart	wire	24"w x 24"d x 80"h for macerator supplies	2022-06-30	1210								1		1		1
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	analyzer	urine		2022-02-28	1389		p/h				x				0	1	1
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	refrigerator	small	compact under counter	2022-02-22	1076	x							1		1		1
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	container	biohazard	23 litre/6 gallon cytotoxic (red - anything for incineration)	2022-05-10	1005.7	x							1		1		1
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)	container	biohazard	23 litre/6 gallon cytotoxic (yellow)	2022-05-10	1005.8	x							1		1		1
Phase 1	B3.6	2114	IPU	2	Utility Room Soiled (west)															0		0
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	macerator	large		2022-03-10	1063.2		x	x						1	1		1
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	dispenser	paper towel		2021-06-18	1044		x	x						2	2		2
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	dispenser	soap		2021-06-18	1045		x	x						2	2		2
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	container	garbage	large yellow, round	2021-08-18	1035.3	x							1		1		1
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	pump	Saf-T		2020-03-26	2101		x				x			1	1		1
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	refrigerator	specimen	compact for future	2022-02-28	7017		p/h		x						0	1	1

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Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	cart	wire	24"w x 24"d x 80"h for macerator supplies	2022-06-30	1210										0		0
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	analyzer	urine			1389		p/h				x				0	1	1
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	container	biohazard	23 litre/6 gallon cytotoxic (red - anything for incineration)	2022-05-10	1005.7		x		x					1	1		1
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)	container	biohazard	23 litre/6 gallon cytotoxic (yellow)	2022-05-10	1005.8		x		x					1	1		1
Phase 1	B3.6	2146	IPU	2	Utility Room Soiled (east)															0		0
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)	vacuum	housekeeping		2022-03-28	1337.3		x		x					1	1		1
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)	cart	wire	mobile, 24"D x 48"Wx 74"H	2022-02-28	1210.1		x		x					1	1		1
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)	ladder	4'		2022-02-25	1059.3		x		x					1	1		1
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)	dispenser	detergent		2022-03-03	1041.2		x	x						1	1		1
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)	cart	housekeeping		2022-02-28	1018.2		x		x					1	1		1
Phase 1	B3.7	2133	IPU	2	Housekeeping Room (west)															0		0
Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)	vacuum	housekeeping		2022-03-28	1337.3		x		x					1	1		1
Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)	cart	wire	mobile 24"D x 48"Wx 74"H	2022-04-19	1210.1		x		x					1	1		1
Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)	ladder	4'	wall mounted	2022-02-25	1059.3		x		x					1	1		1
Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)	dispenser	detergent		2022-03-03	1041.2		x	x						1	1		1
Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)	cart	housekeeping		2022-02-28	1018.2		x		x					1	1		1

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Phase 1	B3.7	2148	IPU	2	Housekeeping Room (east)															0		0
Phase 1	B3.8	2COR03.01	IPU	2	Alcove PPE Outbreak Control (north)	cart	isolation	ppe	2022-07-04	1208										0		0
Phase 1	B3.8	2COR03.01	IPU	2	Alcove PPE Outbreak Control (north)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.8	2COR03.01	IPU	2	Alcove PPE Outbreak Control (north)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.8	2COR03.01	IPU	2	Alcove PPE Outbreak Control (north)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.8	2COR03.01	IPU	2	Alcove PPE Outbreak Control (north)															0		0
Phase 1	B3.8	2COR10.01	IPU	2	Alcove PPE Outbreak Control (south)	cart	isolation	ppe	2022-07-04	1208										0		0
Phase 1	B3.8	2COR10.01	IPU	2	Alcove PPE Outbreak Control (south)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.8	2COR10.01	IPU	2	Alcove PPE Outbreak Control (south)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.8	2COR10.01	IPU	2	Alcove PPE Outbreak Control (south)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.8	2COR10.01	IPU	2	Alcove PPE Outbreak Control (south)															0		0
Phase 1	B3.9	2COR02.02	IPU	2	Alcove Linen Cart	cart	linen		2022-07-14	1021.9										0		0
Phase 1	B3.9	2COR02.02	IPU	2	Alcove Linen Cart															0		0
Phase 1	B3.9	2COR04.02	IPU	2	Alcove Linen Cart	cart	linen		2022-02-25	1021.9	x							1		1		1
Phase 1	B3.9	2COR04.02	IPU	2	Alcove Linen Cart	cart	procedure	medical - everyday supplies	2022-07-15	1145.3		x		x					1	1		1
Phase 1	B3.9	2COR06.01	IPU	2	Alcove Linen Cart	cart	linen		2022-07-14	1021.9										0		0
Phase 1	B3.9	2COR06.01	IPU	2	Alcove Linen Cart	cart	procedure	dressing	2022-07-15	1145.3		x		x					1	1		1

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Phase 1	B3.9	2COR07.02	IPU	2	Alcove Linen Cart	cart	linen		2021-11-18	1021.9	x							1		1		1
Phase 1	B3.9	2COR07.02	IPU	2	Alcove Linen Cart	cabinet	warming	Imperial Surgical	2022-08-22	1088.5	x							1		1		1
Phase 1	B3.9	2COR07.02	IPU	2	Alcove Linen Cart															0		0
Phase 1	B3.9	2COR15.01	IPU	2	Alcove Linen Cart	cart	linen		2021-11-18	1021.9		x		x					1	1		1
Phase 1	B3.9	2COR15.01	IPU	2	Alcove Linen Cart	cart	procedure	medical - everyday supplies	20222-07-15	1145.3		x		x					1	1		1
Phase 1	B3.9	2COR15.01	IPU	2	Alcove Linen Cart															0		0
Phase 1	B3.9	2COR15.03	IPU	2	Alcove Linen Cart	cart	linen		2022-07-14	1021.9										0		0
Phase 1	B3.9	2COR15.03	IPU	2	Alcove Linen Cart	cabinet	storage	enclosed for Vernacare supplies	2022-07-15	1342.1		x		x					1	1		1
Phase 1	B3.10	2COR02.02	IPU	2	Alcove Blanket Warmer	cabinet	warming		2020-03-26	1088.5	x							1		1		1
Phase 1	B3.10	2COR02.02	IPU	2	Alcove Blanket Warmer															0		0
Phase 1	B3.10	2COR09.01	IPU	2	Alcove Blanket Warmer	cabinet	warming		2020-03-26	1088		x							1	1		1
Phase 1	B3.10	2COR09.01	IPU	2	Alcove Blanket Warmer															0		0
Phase 1	B3.11	2COR02.02	IPU	2	Alcove Equipment	cabinet	warming	Imperial Surgical	2022-08-22	1088.5								0		0		0
Phase 1	B3.11	2COR02.02	IPU	2	Alcove Equipment															0		0

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Phase 1	B3.11	2COR09.01	IPU	2	Alcove Equipment	cart	wire	24"w x 24"d	2022-06-30	1342.1		x		x					1	1		1
Phase 1	B3.11	2COR09.01	IPU	2	Alcove Equipment															0		0
Phase 1	B3.11	2COR09.01	IPU	2	Alcove Equipment	cabinet	storage	enclosed for macerator supplies	2022-06-30	1342.1		x		x					1	1		1
Phase 1	B3.11	2COR09.02	IPU	2	Alcove Equipment	cart	procedure	dressing	2022-07-15			x		x					1	1		1
Phase 1	B3.11	2COR09.02	IPU	2	Alcove Equipment				2020-03-26											0		0
Phase 1	B3.11	2COR09.02	IPU	2	Alcove Equipment				2020-03-26											0		0

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Phase 1	B3.11	2COR04.02	IPU	2	Alcove Equipment				2020-03-26											0		0
Phase 1	B3.11	2COR08.01	IPU	2	Alcove Equipment				2020-03-26											0		0
Phase 1	B3.12	2COR09.01	IPU	2	Alcove Crash Cart	cart	crash		2021-11-30	2009.1	x					x		1		1		1
Phase 1	B3.12	2COR09.01	IPU	2	Alcove Crash Cart	defibrillator		crash cart	2021-08-19	2020.6	x					x		1		1		1
Phase 1	B3.12	2COR09.01	IPU	2	Alcove Crash Cart	suction machine	portable	crash cart	2021-08-19	2052.2	x					x		1		1		1
Phase 1	B3.12	2COR15.01	IPU	2	Alcove Crash Cart	cart	crash		2022-06-21	2009.1										0		0
Phase 1	B3.12	2COR15.01	IPU	2	Alcove Crash Cart	defibrillator			2022-06-21											0		0
Phase 1	B3.12	2COR15.01	IPU	2	Alcove Crash Cart	suction machine	portable	crash cart	2022-06-21											0		0
Phase 1	B3.13	2COR15.01	IPU	2	Alcove Food Cart - clean	cart	hot cold		2022-02-28											0		0

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Phase 1	B3.13	2COR15.01	IPU	2	Alcove Food Cart - dirty	cart	dietary	will rotate 3 carts on this floor - only 2 dirty cart will remain on floor- cart is partially in nourishment alcove, partially in alcove food cart	2022-04-26	1300.1		x		x					2	2		2
Phase 1	B3.13	2120	IPU	2	Alcove Food Cart - dirty	cart	hot cold		2022-03-23	1339.6		x		x					1	1		1
Phase 1	B3.13	2120	IPU	2	Alcove Food Cart - dirty	cart	dietary	will rotate 3 carts on this floor - only 2 dirty cart will remain on floor- cart is partially in nourishment alcove, partially in alcove food cart	2022-02-25	1300.1		x		x					1	1		1
Phase 1	B3.14	2COR02.02	IPU	2	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.14	2COR02.02	IPU	2	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	B3.14	2COR02.02	IPU	2	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-18	1045		x	x						1	1		1
Phase 1	B3.14	2COR08.01	IPU	2	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.14	2COR08.01	IPU	2	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-18	1044		x	x						1	1		1
Phase 1	B3.14	2COR08.01	IPU	2	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-18	1045		x	x						1	1		1
	Patient/Family Support																					
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	refrigerator	domestic		2022-02-22	1076	x							1		1		1
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	toaster	commercial	medium duty, voltage requirements confirmed as 120v	2021-09-14	1086.4		x		x					1	1		1

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Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	coffee machine			2022-02-17	1033.6		x		x					1	1		1
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	kettle	electric		2021-09-21	1216.1										0		0
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	machine	ice	countertop	2022-03-17	1056.6	x							1		1		1
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	microwave	domestic		2021-08-18	1066	x							1		1		1
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	container	garbage	large	2021-08-18	1035.1	x							1		1		1
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)	container	recycling		2021-09-21	1037		x	x						1	1		1
Phase 1	B3.15	2120	IPU	2	Alcove Nourishment (north)															0		0
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	toaster	commercial	medium duty, voltage requirements confirmed as 120v	2021-09-14	1086.4		x		x					1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	coffee machine			2022-02-17	1033.6		x		x					1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	machine	ice	countertop	2022-02-16	1056.4		x							1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	microwave	commercial		2021-05-20	1066		x		x					1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	refrigerator	domestic	full size with freezer	2022-02-15	1076		x		x					1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)	container	recycling		2021-09-21	1037		x	x						1	1		1
Phase 1	B3.15	2140	IPU	2	Alcove Nourishment (south)															0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
	B4 24 Bed Support Area																					
	Staff Support Area																					
Phase 1	B4.1	2103	IPU	2	Workstation Unit Clerk	computer terminal	pc		2022-03-21	6001	x				x			1		1		1
Phase 1	B4.1	2103	IPU	2	Workstation Unit Clerk	printer	label	zebra - lower pullout shelf in millwork	2022-03-02	6011.4		x			x				1	1		1
Phase 1	B4.1	2103	IPU	2	Workstation Unit Clerk	whiteboard	magnetic	2x3	20222-03-21	1090										0		0
Phase 1	B4.1	2103	IPU	2	Workstation Unit Clerk	chair	task	80%	2021-10-26	5006.12		x					x		2	2		2
Phase 1	B4.1	2103	IPU	2	Workstation Unit Clerk	pedestal	mobile		2021-05-19	5000		x					x		2	2		2
Phase 1	B4.1	2103	IPU	2	Workstation Unit Clerk	container	garbage	medium	2021-10-26	1035		x		x					2	2		2
Phase 1	B4.1	2103	IPU	2	Workstation Unit Clerk	cart	chart	mobile	2022-03-15	1092.4		x		x					2	2		2
Phase 1	B4.1	2103	IPU	2	Workstation Unit Clerk															0		0
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	whiteboard	magnetic	2x3	2021-09-23	1090		x	x						1	1		1
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	chair	task	60%	2022-05-05	5006.12	x	p/h					x	2		2	7	9
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	computer terminal	pc		2022-03-21	6001	x	p/h			x			2		2	7	9
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	electronic display monitor	Meditech tracker	47" ceiling mount	2022-11-22	6002		x			x				2	2	2	4
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	cable	coaxial	6' w/ screw on connector	2022-11-22	6002		x	x						2	2	2	4
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	bracket	Meditech tracker	ceiling mount	2022-11-22	1013.3		x			x				2	2	2	4
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	computer terminal	zero client		2022-07-07	6000		x			x				1	1		1
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	bracket	computer	zero client	2022-07-07	7061.3		x			x				1	1		1
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	monitor physiological telemetry	central station Xhibit XC48		2022-04-21	2035.15		p/h			x					0	1	1
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	system display repeater	physiological	42" ceiling mount	2022-06-20	2035		x					x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	bracket	television / physiological	ceiling mount	2022-06-17	1013.25		x							1	1		1
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	container	garbage	medium	2022-03-15	1035		x		x					1	1		1
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	printer	label		2022-03-02	6011.4		x			x				1	1		1
Phase 1	B4.2	2103	IPU	2	Care Team Station Large	diagnostic set	mobile oto & ophth		2022-04-21	1098.5		x				x			1	1		1
Phase 1	B4.2	2103	IPU	2	Care Team Station Large															0		0
Phase 1	B4.2.1	2103	IPU	2	Alcove Pneumatic Tube Station	cart	lakeside	space will fit 36" x 24" cart	2022-05-05	1020.9		x		x					1	1		1
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	whiteboard	magnetic	3x4	2022-04-08	1090	x							1		1		1
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	whiteboard	magnetic	2x3	2022-04-08	1090	x							1		1		1
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	chair	task	60%	2022-03-21	5006.12		x					x		6	6	0	6
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	chair	conference		2022-03-21	5021										0		0
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	printer	laser	lower pull out shelf	2022-03-02	6004.1c		x			x				1	1		1
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	table	oval		2021-09-28	5019.1		x					x		1	1		1
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	container	garbage	medium	2021-09-19	1035		x		x					2	2		2
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	container	recycling	medium	2022-03-21	1037		x		x					1	1		1
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	monitor	tracker		2022-11-22	6006		p/h								0	1	1
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team	computer	pc		2022-07-18	6001		x			x				1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B4.2.2	2141	IPU	2	Workroom Care Team															0		0
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	computer terminal	pc		2020-03-26	6001		x			x				1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	chair	task	60%	2022-06-23	5006.12		x					x		1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	keyboard tray			2020-03-26	5011		x					x		1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	container	recycling	large	2020-03-26	1037		x		x					1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	pedestal	mobile		2021-09-19	5000		x					x		1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner															0		0
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	computer terminal	pc		2020-03-26	6001		x			x				1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	chair	task	60%	2022-06-03	5006.12		x					x		1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	keyboard tray			2020-03-26	5011		x					x		1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	container	recycling	large	2020-03-26	1037		x		x					1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner	pedestal	mobile		2021-09-19	5000		x					x		1	1		1
Phase 1	B4.2.3	2103.01	IPU	2	Workstation Learner															0		0
Phase 1	B4.3	2103	IPU	2	Workroom Business Machine	computer terminal	pc		2022-03-21	6001	x				x				1	1		1
Phase 1	B4.3	2103	IPU	2	Workroom Business Machine	bin	recycling	confidential	2022-04-27	1222.1	x							2		2		2
Phase 1	B4.3	2103	IPU	2	Workroom Business Machine	printer	mfd	CMHW2FP1	2022-03-02	6004.3c	x				x			1		1		1

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Phase 1	B4.3	2103	IPU	2	Workroom Business Machine	printer	laser		2021-11-02	6004.1					x					0		0
Phase 1	B4.3	2103	IPU	2	Workroom Business Machine	whiteboard	magnetic	2x3	2022-05-05			x	x						1	1		1
Phase 1	B4.3	2103	IPU	2	Workroom Business Machine															0		0
Phase 1	B4.4	2COR11.02	IPU	2	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B4.4	2COR11.02	IPU	2	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B4.4	2COR11.02	IPU	2	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B4.5	2156	IPU	2	Office Private	computer terminal	pc		2021-05-20	6001	x				x			1		1		1
Phase 1	B4.5	2156	IPU	2	Office Private	whiteboard	magnetic	2x3	2021-06-09	1090	x							1		1		1
Phase 1	B4.5	2156	IPU	2	Office Private	bookcase	tall		2021-06-07	5001	x						x	1		1		1
Phase 1	B4.5	2156	IPU	2	Office Private	chair	task	80%	2021-06-09	5006	x							1		1		1
Phase 1	B4.5	2156	IPU	2	Office Private	chair	visitor		2021-06-09	5007		x					x		2	2		2
Phase 1	B4.5	2156	IPU	2	Office Private	workstation	office	height adj.	2021-06-09	5020	x						x		1	1		1
Phase 1	B4.5	2156	IPU	2	Office Private	cabinet	filing	lateral 4 drawer	2021-06-09	5010	x							1		1		1
Phase 1	B4.5	2156	IPU	2	Office Private	container	garbage	medium	2021-06-09	1035	x							1		1		1
Phase 1	B4.5	2156	IPU	2	Office Private	container	recycling	large	2021-06-09	1037	x							1		1		1
Phase 1	B4.5	2156	IPU	2	Office Private	table	round		2021-06-09	5019		x					x		1	1		1
Phase 1	B4.5	2156	IPU	2	Office Private	printer	laser	CMHNURP1 hp p3015	2022-03-02	6004.6	x				x			1		1		1
Phase 1	B4.5	2156	IPU	2	Office Private															0		0
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	computer terminal	pc		2022-06-21	6001		x			x				2	2		2
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	bookcase	tall		2022-02.03	5001.4		x					x		1	1		1
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	chair	task	80%	2020-03-26	5006.12		x					x		2	2		2
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	chair	visitor		2022-02-09	5007		x					x		1	1		1
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	workstation	height adjustable		2022-04-25	4025		x					x		2	2		2
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	cabinet	filing	lateral 4 drawer	2020-03-26	5010		x					x		1	1		1
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	keyboard tray			2020-03-26	5011		p/h					x			0	2	2
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	container	garbage	medium	2021-05-20	1035		x		x					2	2		2
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)	container	recycling	large	2020-03-26	1037		x		x					2	2		2
Phase 1	B4.6	2111	IPU	2	Office Shared (Educator)															0		0
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	video conferencing	system	vendor install	2022-03-02	6007.16							x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	television	video conference	75" wall mount	2022-03-02	6007.16							x		1	1		1
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	video conferencing	misc cords, cables microphone, camera, repeater, etc.		2022-03-02	6007.18							x		1	1		1
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	computer terminal	pc	video conference, wireless keyboard and mouse	2022-10-05	6001					x					0		0
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	whiteboard	magnetic	4x6	2022-03-21	1090.8		x	x						1	1		1
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	chair	conference	Silq	2022-03-24	5021.9		x					x		8	8		8
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	container	recycling	large	2020-03-26	1037		x		x					1	1		1
Phase 1	B4.7	2160	IPU	2	Meeting Room Large	table	round	conference	2022-04-29	5019		x					x		1	1		1
Phase 1	B4.7	2160	IPU	2	Meeting Room Large															0		0
	Unit Support Area																					
Phase 1	B4.9	2157	IPU	2	Holding Room Soiled	bin	garbage		2022-06-30	1007.9		x		x					1	1		1
Phase 1	B4.9	2157	IPU	2	Holding Room Soiled	bin	linen	soiled	2022-06-28	1008.4		x		x					1	1		1
Phase 1	B4.9	2157	IPU	2	Holding Room Soiled	bin	recycling		2022-06-30	1009.3		x		x					1	1		1
Phase 1	B4.9	2157	IPU	2	Holding Room Soiled	dispenser	paper towel		2022-04-26	1044										0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B4.9	2157	IPU	2	Holding Room Soiled	dispenser	soap		2022-04-26	1045										0		0
Phase 1	B4.9	2157	IPU	2	Holding Room Soiled	container	garbage	medium	2022-04-26	1035										0		0
Phase 1	B4.9	2157	IPU	2	Holding Room Soiled															0		0
	Patient Family Support Area																					
Phase 1	B4.10	2117	IPU	2	Alcove Pneumatic Tube Station	cart	lakeside		2022-06-23	1081										0		0
Phase 1	B4.10	2117	IPU	2	Alcove Pneumatic Tube Station				2022-06-23	1089										0		0
Phase 1	B4.11	2105	IPU	2	Alcove Wheelchair Stretcher	stretcher		bariatric	2022-03-24	1081		p/h		x						0	1	1
Phase 1	B4.11	2105	IPU	2	Alcove Wheelchair Stretcher	wheelchair	standard	bariatric	2022-03-24	1089		p/h		x						0	1	1
	B7 36 Bed Support Area																					
	Unit Support Area																					
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1

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Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	table	treatment	plinth - electric hi-low bariatric	2022-03-23	1230.5		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	bar	parallel	electric	2021-06-16	1203.2		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	pole	assist	removable, need two sockets placed to north side of middle of plinth	2022-03-23	1219.1		x		x					2	2		2
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	computer terminal	pc		2021-06-16	6001		x			x				2	2		2
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	chair	task	60%	2022-12-01	5006.12		x					x		2	2		2
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	container	garbage	medium	2022-03-23	1035		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	container	recycling	medium	2022-03-23	1037		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	whiteboard	magnetic	2x3	2021-06-16	1090		x	x						1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	dispenser	paper towel		2021-06-16	1044		x	x						2	2		2
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	dispenser	soap		2021-06-16	1045		x	x						2	2		2
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	container	garbage	large	2021-06-16	1035.1		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	bike	recumbent	high	2021-06-16	1205		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	rehab	small items	weight pulley system - wall mounted	2022-06-15	1343										0		0
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	stairs	rehab with hand rails		2021-08-18	1308.1	x							1		1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	monitor	vital sign	mobile	2022-03-30	1068		x				x			1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	stool	task	wheeled	2022-02-28	5003.3		x					x		1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	stool	step		2022-02-25	5014.5		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	flowmeter	oxygen	1 on column by workstations, 1 between windows and 1 on wall in front of cardio equip.	2022-05-05	1051		x		x					3	3		3
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	basket			2022-07-14	2006.3		x		x					1	1		1

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Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	solution	telehealth	cart, dell OptiPlex 7090 with keyboard and mouse per MJ	2022-11-22	6001		x			x				1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	television	entertainment	patient 55" wall mount	2022-11-22	6006		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	bracket	television	wall mount articulating	2022-06-02	1013.29		x							1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	treadmill			2022-03-30	1316.7		x		x					1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	printer	laser		2022-03-02	6004.1c		x			x				1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite	pulley	wall system	mounted on column on south wall	2022-02-16	1233.2		x	x						1	1		1
Phase 1	B7.1	2155	IPU	2	Rehabilitation Room Satellite															0		0
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	container	garbage	large	2022-05-05	1035.1										0		0
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	container	recycling	large	2022-05-05	1037										0		0
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	cart	lakeside		2022-02-16	1020		x		x					1	1		1
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	rehab	small items	handheld free weights with cuffs & theraband (wipeable)	2021-06-16	1343		x		x					1	1		1
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	rehab	small items	positioner bolster wedge	2021-06-16	1343		x		x					1	1		1
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	rehab	small items	large exercise ball	2021-06-16	1343		x		x					1	1		1
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	rehab	small items	bean bag pkg of 6 (wipeable covers)	2021-06-16	1343		x		x					1	1		1
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	walker	2 wheeled		2022-02-25	1375.5	x							10		10		10
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	walker	4 wheeled		2022-02-25	1375.5	x							3		3		3
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	wheelchair	regular		2022-03-23	1089	x							7		7		7
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	wheelchair	tilt	in space	2021-06-16	1089	x							3		3		3
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	rehab	small items	manipulation board	2022-03-24	1343.1	x								1	1		1

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Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	rehab	small items	amputee board	2021-06-17	1343		x		x					1	1		1
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small	roho cushion	20" x 34"	store on millwork shelf beside millwork cupboards on west wall	2022-05-05		x							20		20		20
Phase 1	B7.1.1	2154	IPU	2	Storage Room Equipment Small															0		0
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	container	garbage	medium	2022-03-21	1035		x		x					1	1		1
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	dispenser	paper towel		2022-06-21	1044		x	x						2	2		2
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	dispenser	soap		2022-06-21	1045		x	x						2	2		2
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	system bathing		parker series	2021-08-18	2031.8	x							1		1		1
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	stool	step	not wheeled	2022-02-25	5014.5	x							1		1		1
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	dispenser	wipe	disinfectant	2022-02-25	1024.1										0		0
Phase 1	B7.2	2138	IPU	2	Tub Shower Room	dispenser	waterless	hand wash	2022-05-05	1048		x	x						1	1		1
Phase 1	B7.2	2138	IPU	2	Tub Shower Room															0		0
Phase 1	B7.4	2110	IPU	2	Alcove CR Reader Workstation	computer terminal	pc	includes desktop 24" single Barco monitor	2022-01-25	6003		x			x				1	1		1

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Phase 1	B7.4	2110	IPU	2	Alcove CR Reader Workstation	reader	cr		2022-02-18	3027.1	x							1		1		1
Phase 1	B7.4	2110	IPU	2	Alcove CR Reader Workstation	container	garbage	medium	2022-03-25	1035		x		x					1	1		1
Phase 1	B7.4	2110	IPU	2	Alcove CR Reader Workstation														1	1		1
Phase 1	B7.5	2110	IPU	2	Alcove Portable X-Ray Machine	Imaging equipment	mobile	portable x-ray GE AMX4	2022-07-14	3004.8	x							1		1		1
Phase 1	B7.5	2110	IPU	2	Alcove Portable X-Ray Machine															0		0
	Patient Family Support																					
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	chair	visitor	stackable	2022-04-27	5007		x					x		8	8		8
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	sofa	healthcare seating		2022-04-27	5012		x					x		1	1		1
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	table	end		2021-06-29	5017		x					x		1	1		1
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	dispenser	paper towel		2021-06-29	1044		x	x						1	1		1
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	dispenser	soap		2021-06-29	1045		x	x						1	1		1
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	container	garbage	medium	2022-03-21	1035		x		x					1	1		1
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	cart	lakeside	palliative (holds coffee, tea, etc.)	2022-02-09	1020.11	x							1		1		1

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Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	television	entertainment	public 40" wall mount	2022-11-22	6006	x							1		1		1
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	B7.6	2144	IPU	2	Multipurpose Room Family															0		0
Phase 1	B7.7	2150	IPU	2	Washroom Patient Bariatric	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B7.7	2150	IPU	2	Washroom Patient Bariatric	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B7.7	2150	IPU	2	Washroom Patient Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	B8 Staff Amenity Area																					
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	table	rectangular	seats 6	2022-02-25	5018		x					x		2	2		2
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	chair	visitor		2021-10-19	5007		x					x		6	6		6
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	chair	lounge	recliner	2022-03-21	1261		x							1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	sofa	healthcare seating		2021-10-26	5012		x					x		1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	table	end		2020-03-26	5017		x					x		1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	television	entertainment	staff 43"	2022-11-22	6006		x		x					1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	bulletin board	bulletin	3'x4' magnetic fabric	2021-06-09	1083.2		x		x					1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	dispenser	paper towel		2022-06-22	1044		x	x						1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	dispenser	soap		2022-06-22	1045		x	x						1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	dispenser	waterless	hand wash	2021-06-09	1048		x	x						1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	container	recycling	medium	2022-03-25	1037		x		x					1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	refrigerator	domestic		2022-02-22	1076	x							1		1		1

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Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	dishwasher		dishwashers LEED requirements are: • residential (standard and compact): ENERGY STAR • under counter: ≤ 6.0 liters/rack • stationary, single tank, door: ≤ 5.3 liters/rack • single tank, conveyor: ≤ 3.8 liters/rack • multiple tank, conveyor: ≤ 3.4 liters/rack • flight machine: ≤ 680 liters/hour	2020-03-26	1039		x		x					1	1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	microwave	domestic		2022-02-09	1066	x							1	1	2		2
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	machine	coffee		2022-03-21	1033	x							1		1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff	toaster			2022-03-21	1086	x							1		1		1
Phase 1	B8.1	2162.02	IPU	2	Lounge Staff															0		0
Phase 1	B8.1.1	2162	IPU	2	Lockers Staff	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-05-05	1036		x		x					2	2		2
Phase 1	B8.1.1	2162	IPU	2	Lockers Staff	cart	lakeside	uniforms	2022-05-05	1020										0		0
Phase 1	B8.1.1	2162	IPU	2	Lockers Staff	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	B8.1.1	2162	IPU	2	Lockers Staff				2020-03-26											0		0
Phase 1	B8.2	2COR16.01	IPU	2	Alcove Hand Hygiene Sink	dispenser	paper towel		2022-06-13	1044		x	x						1	1		1

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Phase 1	B8.2	2COR16.01	IPU	2	Alcove Hand Hygiene Sink	dispenser	soap		2022-06-13	1045		x	x						1	1		1
Phase 1	B8.2	2COR16.01	IPU	2	Alcove Hand Hygiene Sink	container	garbage	large	2022-06-13	1035.1		x		x					1	1		1
Phase 1	B8.3	2162.01	IPU	2	Alcove Linen Cart	cart	linen		2022-07-07	1021.9										0		0
Phase 1	B8.4	2158	IPU	2	Washroom Shower Staff	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B8.4	2158	IPU	2	Washroom Shower Staff	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B8.4	2158	IPU	2	Washroom Shower Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Corridors, Inpatient - Level 2 IPU																					
Phase 1	201-C	2COR02	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR02	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR02	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR02	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR03	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR04	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR04	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR04	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR04	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR04	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR05	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2

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Phase 1	201-C	2COR06	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR06	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR06	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR06	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR06	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2023-01-11	1024.1		x	x						1	1		1
Phase 1	201-C	2COR07	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR07	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR08	IPU	2	Corridor, Inpatient	system display repeater	physiological	42" wall mount	2022-11-23	2035		x				x			1	1		1
Phase 1	201-C	2COR08	IPU	2	Corridor, Inpatient	bracket	television / physiological	wall mount tilt	2022-11-23	1013.25		x					x		1	1		1
Phase 1	201-C	2COR08	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR08	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2023-01-11	1024.1		x	x						1	1		1
Phase 1	201-C	2COR08	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR08	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR08	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR09	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR09	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR09	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR09	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1

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Phase 1	201-C	2COR10	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR10	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR10	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR11	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR11	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR11	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR11	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR11	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR11	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR12	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR12	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR12	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	201-C	2COR12	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	202-C	2COR14	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		p/h	x							0	1	1
Phase 1	201-C	2COR15	IPU	2	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		p/h	x							0	1	1
Phase 1	201-C	2COR16	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR16	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR16	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR16	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR16	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	201-C	2COR16	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	201-C	2COR16	IPU	2	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
	B5 Standalone 12 Bed Clinical Area																					
Phase 1	B5.1	3106	IPU	3	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	bed	inpatient		2020-03-26	1171		x		x					1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		x				x			1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	chair	sleeper		2022-05-20	1174.9										0		0
Phase 1	B5.1	3106	IPU	3	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	flowmeter	medical air		2020-03-26	1049		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.1	3106	IPU	3	Patient Room Private	flowmeter	oxygen		2020-03-26	1051		x		x					2	2		2
Phase 1	B5.1	3106	IPU	3	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079				x					2	2		2
Phase 1	B5.1	3106	IPU	3	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B5.1	3106	IPU	3	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B5.1	3106	IPU	3	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	hamper	linen		2021-05-13	1036		x							1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	chair	visitor		2022-02-09	5007		x					x		1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	chair	patient	ortho bariatric	2022-06-23	5005.3		x					x		1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	dispenser	paper towel		2020-03-26	1044		x	x						2	2		2
Phase 1	B5.1	3106	IPU	3	Patient Room Private	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	pump	infusion		2020-03-26	2041	x					x			1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	pole	iv		2020-03-26	1070	x								1	1		1
Phase 1	B5.1	3106	IPU	3	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.1	3106	IPU	3	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	bed	inpatient		2020-03-26	1171		p/h		x					1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		x				x			1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	chair	sleeper		2022-06-06	1174.9	x						x	1		1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.1	3117	IPU	3	Patient Room Private	flowmeter	medical air		2020-03-26	1049		x		x					2	2		2
Phase 1	B5.1	3117	IPU	3	Patient Room Private	flowmeter	oxygen		2020-03-26	1051		x		x					2	2		2
Phase 1	B5.1	3117	IPU	3	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B5.1	3117	IPU	3	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B5.1	3117	IPU	3	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B5.1	3117	IPU	3	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	hamper	linen		2021-05-13	1036		x		x					1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	chair	visitor	bariatric	2020-03-26	5007		x					x		1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	chair	patient	ortho	2022-06-06	5005.3										0		0
Phase 1	B5.1	3117	IPU	3	Patient Room Private	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	dispenser	paper towel		2020-03-26	1044		x	x						2	2		2
Phase 1	B5.1	3117	IPU	3	Patient Room Private	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	pump	infusion		2020-03-26	2041		x				x			1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	pole	iv		2020-03-26	1070		x		x					1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.1	3117	IPU	3	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B5.1	3117	IPU	3	Patient Room Private															0		0
Phase 1	B5.1	3120	IPU	3	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	bed	inpatient		2022-07-07	1171		x		x					1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		x				x			1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	chair	sleeper	bariatric	2021-07-13	1174.9		x					x		1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.1	3120	IPU	3	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	flowmeter	medical air		2020-03-26	1049		x		x					2	2		2
Phase 1	B5.1	3120	IPU	3	Patient Room Private	flowmeter	oxygen		2020-03-26	1051		x		x					2	2		2
Phase 1	B5.1	3120	IPU	3	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B5.1	3120	IPU	3	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B5.1	3120	IPU	3	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B5.1	3120	IPU	3	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	hamper	linen		2021-05-13	1036	x								1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	chair	visitor		2020-03-26	5007		x					x		1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	chair	patient	ortho	2022-05-20	5005.3										0		0
Phase 1	B5.1	3120	IPU	3	Patient Room Private	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	dispenser	paper towel		2020-03-26	1044		x	x						2	2		2
Phase 1	B5.1	3120	IPU	3	Patient Room Private	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	pump	infusion		2020-03-26	2041	x					x		1		1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	pole	iv		2020-03-26	1070	x							1		1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.1	3120	IPU	3	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B5.1	3120	IPU	3	Patient Room Private															0		0
Phase 1	B5.1	3121	IPU	3	Patient Room Private	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	ceiling lift	x-y gantry		2022-03-31	1031		x					x		1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	bed	inpatient		2022-07-07	1171		x		x					1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		x				x			1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.1	3121	IPU	3	Patient Room Private	chair	sleeper		2022-06-23	1174.9	x						x	1		1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	flowmeter	medical air		2020-03-26	1049		x		x					2	2		2
Phase 1	B5.1	3121	IPU	3	Patient Room Private	flowmeter	oxygen		2020-03-26	1051		x		x					2	2		2
Phase 1	B5.1	3121	IPU	3	Patient Room Private	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B5.1	3121	IPU	3	Patient Room Private	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B5.1	3121	IPU	3	Patient Room Private	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B5.1	3121	IPU	3	Patient Room Private	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	hamper	linen		2021-05-13	1036	x								1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	chair	visitor		2020-03-26	5007		x					x		1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	chair	patient	ortho bariatric	2022-06-23	5005.3		x					x		1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	dispenser	paper towel		2020-03-26	1044		x	x						2	2		2
Phase 1	B5.1	3121	IPU	3	Patient Room Private	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	pump	infusion		2020-03-26	2041	x					x		1		1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	pole	iv		2020-03-26	1070	x							1		1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.1	3121	IPU	3	Patient Room Private	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	B5.1	3121	IPU	3	Patient Room Private															0		0

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Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	cabinet	bedside	patient storage	2022-04-08	5002		p/h		x						0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	ceiling lift	x-y gantry		2022-03-31	1031		p/h					x			0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	bed	inpatient		2022-07-07	1171		p/h		x						0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		p/h				x				0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	chair	sleeper	bariatric	2021-07-13	1174.9		p/h					x			0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	dispenser	waterless	hand wash	2021-05-20	1048		p/h	x							0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	container	garbage	large	2021-05-20	1035.1		p/h		x						0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	container	sharps	small standard	2022-07-08	1038.37		p/h	x							0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	bracket	sharps		2022-07-08	1038.31		p/h	x							0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	flowmeter	medical air		2020-03-26	1049		p/h		x						0	2	2
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	flowmeter	oxygen		2020-03-26	1051		p/h		x						0	2	2
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	regulator	vacuum	add nipple	2022-06-30	1079		p/h		x						0	2	2
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	canister	suction	add liner / tubing	2022-09-22	1052		p/h	x							0	2	2
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	basket			2022-07-14	2006.3		p/h		x						0	2	2
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	table	overbed		2021-05-20	1082.6		p/h		x						0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	hamper	linen		2021-05-13	1036	p/h									0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	chair	visitor		2020-03-26	5007		p/h					x			0	1	1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	chair	patient	ortho	2022-06-23	5005.3		p/h					x			0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	whiteboard	magnetic	2x3	2020-03-26	1090		p/h	x							0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	dispenser	paper towel		2020-03-26	1044		p/h	x							0	2	2
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	dispenser	soap		2020-03-26	1045		p/h	x							0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	dispenser	glove	quad universal	2021-10-25	1042.6		p/h	x							0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	pump	infusion		2020-03-26	2041	p/h					x				0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	pole	iv		2020-03-26	1070	p/h									0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		p/h	x							0	1	1
Phase 1	B5.1	3122	IPU	3	Patient Room Private (Future)															0		0
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	cabinet	bedside	patient storage	2022-04-08	5002		p/h		x						0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	ceiling lift	x-y gantry		2022-03-31	1031		p/h					x			0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	bed	inpatient		2020-03-26	1171		p/h		x						0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		p/h				x				0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	chair	sleeper	bariatric	2022-06-06	1174.9		p/h					x			0	1	1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	dispenser	waterless	hand wash	2021-05-20	1048		p/h	x							0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	container	garbage	large	2021-05-20	1035.1		p/h		x						0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	container	sharps	small standard	2022-07-08	1038.37		p/h	x							0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	bracket	sharps		2022-07-08	1038.31		p/h	x							0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	flowmeter	medical air		2020-03-26	1049		p/h		x						0	2	2
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	flowmeter	oxygen		2020-03-26	1051		p/h		x						0	2	2
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	regulator	vacuum	add nipple	2022-06-30	1079		p/h		x						0	2	2
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	canister	suction	add liner / tubing	2022-09-22	1052		p/h	x							0	2	2
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	basket			2022-07-14	2006.3		p/h		x						0	2	2
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	table	overbed		2021-05-20	1082.6		p/h		x						0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	hamper	linen		2021-05-13	1036		p/h								0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	chair	visitor		2020-03-26	5007		p/h					x			0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	chair	patient	ortho	2022-05-05	5005.3		p/h					x			0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	whiteboard	magnetic	2x3	2020-03-26	1090		p/h	x							0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	dispenser	paper towel		2020-03-26	1044		p/h	x							0	2	2
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	dispenser	soap		2020-03-26	1045		p/h	x							0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	dispenser	glove	quad universal	2021-10-25	1042.6		p/h	x							0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	pump	infusion		2020-03-26	2041		p/h				x				0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	pole	iv		2020-03-26	1070		p/h								0	1	1
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.1	3130	IPU	3	Patient Room Private (Future)	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		p/h	x							0	1	1
Phase 1	B5.1.1	3106.01	IPU	3	Washroom Shower Ensuite	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.1.1	3106.01	IPU	3	Washroom Shower Ensuite	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1.1	3106.01	IPU	3	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.1.1	3106.01	IPU	3	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B5.1.1	3117.01	IPU	3	Washroom Shower Ensuite	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.1.1	3117.01	IPU	3	Washroom Shower Ensuite	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1.1	3117.01	IPU	3	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.1.1	3117.01	IPU	3	Washroom Shower Ensuite	commode			2021-12-07											0		0
Phase 1	B5.1.1	3117.01	IPU	3	Washroom Shower Ensuite															0		0
Phase 1	B5.1.1	3120.01	IPU	3	Washroom Shower Ensuite	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.1.1	3120.01	IPU	3	Washroom Shower Ensuite	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1.1	3120.01	IPU	3	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.1.1	3120.01	IPU	3	Washroom Shower Ensuite	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		x		x					1	1		1
Phase 1	B5.1.1	3120.01	IPU	3	Washroom Shower Ensuite															0		0
Phase 1	B5.1.1	3121.01	IPU	3	Washroom Shower Ensuite	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.1.1	3121.01	IPU	3	Washroom Shower Ensuite	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1.1	3121.01	IPU	3	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.1.1	3121.01	IPU	3	Washroom Shower Ensuite	commode			2021-12-07											0		0
Phase 1	B5.1.1	3121.01	IPU	3	Washroom Shower Ensuite															0		0
Phase 1	B5.1.1	3122.01	IPU	3	Washroom Shower Ensuite (Future)	dispenser	paper towel		2020-03-26	1044		p/h	x							0	1	1
Phase 1	B5.1.1	3122.01	IPU	3	Washroom Shower Ensuite (Future)	dispenser	soap		2020-03-26	1045		p/h	x							0	1	1
Phase 1	B5.1.1	3122.01	IPU	3	Washroom Shower Ensuite (Future)	container	garbage	large	2021-05-20	1035.1		p/h		x						0	1	1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.1.1	3122.01	IPU	3	Washroom Shower Ensuite (Future)	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-12-07	1340		p/h		x						0	1	1
Phase 1	B5.1.1	3122.01	IPU	3	Washroom Shower Ensuite (Future)															0		0
Phase 1	B5.1.1	3130.01	IPU	3	Washroom Shower Ensuite (Future)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.1.1	3130.01	IPU	3	Washroom Shower Ensuite (Future)	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.1.1	3130.01	IPU	3	Washroom Shower Ensuite (Future)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.1.1	3130.01	IPU	3	Washroom Shower Ensuite (Future)	commode			2021-12-07											0		0
Phase 1	B5.1.1	3130.01	IPU	3	Washroom Shower Ensuite (Future)															0		0
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	bed	inpatient	bariatric	2021-05-20	1171		x		x					1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		x				x			1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	chair	sleeper		2022-06-06	1174.9		x					x		1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	cabinet	bedside	patient storage	2022-04-08	5002		x		x					1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	flowmeter	medical air		2020-03-26	1049		x		x					2	2		2
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	flowmeter	oxygen		2020-03-26	1051		x		x					2	2		2
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	table	overbed		2021-05-20	1082.6		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	hamper	linen		2021-05-13	1036	x								1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	chair	visitor	bariatric	2020-03-26	5007		x					x		1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	chair	patient	ortho	2022-06-23	5005.3		x					x		1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	pump	infusion		2020-03-26	2041	x					x		1		1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	pole	iv		2020-03-26	1070	x							1		1		1
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.3	3114	IPU	3	Patient Room Shared	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						2	2		2
Phase 1	B5.3	3114	IPU	3	Patient Room Shared															0		0
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	cabinet	bedside	patient storage	2022-04-08	5002		p/h		x						0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	ceiling lift	x-y gantry		2022-03-31	1031		x					x			0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	bed	inpatient		2020-03-26	1171		p/h		x						0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		p/h				x				0	1	1
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	chair	sleeper		2022-06-23	1174.9		p/h					x			0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	dispenser	waterless	hand wash	2021-05-20	1048		p/h	x							0	2	2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	container	garbage	large	2021-05-20	1035.1		p/h		x						0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	container	sharps	small standard	2022-07-08	1038.37		p/h	x							0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	container	sharps	headwall mount	2022-07-08	1038		p/h	x							0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	flowmeter	medical air		2020-03-26	1049		p/h		x						0	4	4
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	flowmeter	oxygen		2020-03-26	1051		p/h		x						0	4	4
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	regulator	vacuum	add nipple	2022-06-30	1079		p/h		x						0	4	4
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	canister	suction	add liner / tubing	2022-09-22	1052		p/h	x							0	4	4
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	basket			2022-07-14	2006.3		p/h		x						0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	table	overbed		2021-05-20	1082.6		p/h		x						0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	hamper	linen		2021-05-13	1036	p/h									0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	chair	visitor		2022-02-09	5007		p/h					x			0	1	1
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	chair	patient	ortho	2022-06-23	5005.3		p/h					x			0	1	1
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	whiteboard	magnetic	2x3	2020-03-26	1090		p/h	x							0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	dispenser	paper towel		2020-03-26	1044		p/h	x							0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	dispenser	soap		2020-03-26	1045		x	x							0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	dispenser	glove	quad universal	2021-10-25	1042.6		x	x							0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	pump	infusion		2020-03-26	2041	x					x				0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	pole	iv		2020-03-26	1070	x									0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	screen	privacy	wall mounted	2022-03-28	8005		x		x						0	1	1
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x							0	2	2
Phase 1	B5.2	3128	IPU	3	Patient Room Shared (Future)															0		0
Phase 1	B5.2.1	3114.01	IPU	3	Washroom Shower Ensuite	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.2.1	3114.01	IPU	3	Washroom Shower Ensuite	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.2.1	3114.01	IPU	3	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.2.1	3128.01	IPU	3	Washroom Shower Ensuite (Future)	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.2.1	3128.01	IPU	3	Washroom Shower Ensuite (Future)	dispenser	soap		2020-03-26	1045		x	x						1	1		1

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Phase 1	B5.2.1	3128.01	IPU	3	Washroom Shower Ensuite (Future)	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	cabinet	bedside	patient storage	2022-04-08	5002		x		x					2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	ceiling lift	x-y gantry		2022-03-31	1031		x					x		2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	bed	inpatient		2020-03-26	1171		x		x					2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		x				x			2	0		0
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	chair	sleeper		2022-06-06	1174.9		x					x		2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	container	sharps	small standard	2022-07-08	1038.37		x	x						2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	bracket	sharps	headwall mount	2022-07-08	1038		x	x						2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	flowmeter	medical air		2020-03-26	1049		x		x					4	4		4
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	flowmeter	oxygen		2020-03-26	1051		x		x					4	4		4
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	regulator	vacuum	add nipple	2022-06-30	1079				x					4	4		4
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	canister	suction	add liner / tubing	2022-09-22	1052		x	x						4	4		4
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	table	overbed		2021-05-20	1082.6		x		x					2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	hamper	linen		2021-05-13	1036		x							2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	chair	visitor		2022-02-09	5007		x					x		1	1		1
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	chair	patient	ortho bariatric	2022-06-23	5005.3		x					x		2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	dispenser	paper towel		2022-06-22	1044		x	x						2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	dispenser	soap		2022-06-22	1045		x	x						2	2		2

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Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	pump	infusion		2020-03-26	2041		x				x			2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	pole	iv		2020-03-26	1070		x							2	2		2
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	diagnostic set			2022-07-11	1098										0		0
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	screen	privacy	wall mounted	2022-03-28	8005		x		x					1	1		1
Phase 1	B5.3	3126	IPU	3	Patient Private Room Bariatric	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						2	2		2
Phase 1	B5.3.1	3126.01	IPU	3	Washroom Shower Ensuite Bariatric	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.3.1	3126.01	IPU	3	Washroom Shower Ensuite Bariatric	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.3.1	3126.01	IPU	3	Washroom Shower Ensuite Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.3.1	3126.01	IPU	3	Washroom Shower Ensuite Bariatric	chair commode	shower	bariatric 3 in 1 (shower, commode and hygiene)	2022-02-02	1340.8		x		x					1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	bed	inpatient	bariatric	2021-05-20	1171		x							1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068		x				x			1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	flowmeter	oxygen		2020-03-26	1051		x		x					2	2		2
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	flowmeter	medical air		2020-03-26	1049		x		x					2	2		2
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	diagnostic set			2022-07-11	1098										0		0

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Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	chair	visitor	bariatric	2020-03-26	5007		x					x		1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	stool	exam		2021-06-09	5013										0		0
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	hamper	linen		2021-05-13	1036	x								1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	ceiling lift	x-y gantry	bariatric	2022-03-31	1031		x					x		1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	light	exam	ceiling articulating	2022-03-16	1060		x		x					1	1		1
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	diagnostic set														0		0
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						2	2		2
Phase 1	B5.4	3108	IPU	3	Patient Room Private Bariatric AIR															0		0
Phase 1	B5.4.1	3107	IPU	3	Anteroom AIR	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.4.1	3107	IPU	3	Anteroom AIR	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.4.1	3107	IPU	3	Anteroom AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.4.1	3107	IPU	3	Anteroom AIR	dispenser	glove	quad universal	2021-09-19	1042.6		x	x						1	1		1
Phase 1	B5.4.1	3107	IPU	3	Anteroom AIR	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	B5.4.1	3107	IPU	3	Anteroom AIR	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B5.4.1	3107	IPU	3	Anteroom AIR	container	biohazard	10 gallon	2022-02-09	1005.3										0		0
Phase 1	B5.4.1	3107	IPU	3	Anteroom AIR	cart	isolation		2022-03-17	1208.7		x		x					1	1		1
Phase 1	B5.4.2	3108.01	IPU	3	Washroom Shower Ensuite Bariatric AIR	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B5.4.2	3108.01	IPU	3	Washroom Shower Ensuite Bariatric AIR	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B5.4.2	3108.01	IPU	3	Washroom Shower Ensuite Bariatric AIR	macerator	inset in wall	order w/ inset assembly (cut sheet 1063.4)	2022-03-10	1063.1		x	x						1	1		1
Phase 1	B5.4.2	3108.01	IPU	3	Washroom Shower Ensuite Bariatric AIR	insert	wall	macerator	2022-02-28	1063.4		x	x						1	1		1

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Phase 1	B5.4.2	3108.01	IPU	3	Washroom Shower Ensuite Bariatric AIR	chair commode	shower	bariatric 3 in 1 (shower, commode and hygiene)	2022-02-02	1340.8		x		x					1	1		1
Phase 1	B5.4.2	3108.01	IPU	3	Washroom Shower Ensuite Bariatric AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B5.5 (a)	3COR03.03	IPU	3	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B5.5 (a)	3COR03.03	IPU	3	Alcove Observation (double)															0		0
Phase 1	B5.5 (a)	3COR04.01	IPU	3	Alcove Observation (double)	computer terminal	wow	per 90% draft review - with locking drawers	2022-03-14	6022		x			x				1	1		1
Phase 1	B5.5 (a)	3COR04.01	IPU	3	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B5.5 (a)	3COR04.01	IPU	3	Alcove Observation (double)															0	1	1
Phase 1	B5.5 (a)	3COR06.01	IPU	3	Alcove Observation (double)	computer terminal	wow	per 90% draft review - with locking drawers	2022-03-14	6022		p/h			x					0	1	1
Phase 1	B5.5 (a)	3COR06.01	IPU	3	Alcove Observation (double)	stool	task	60%	2022-02-25	5003.3		x					x		1	1		1
Phase 1	B5.5 (a)	3COR06.01	IPU	3	Alcove Observation (double)															0	1	1
Phase 1	B5.5 (b)	3COR02.01	IPU	3	Alcove Observation (single)															0		0
Phase 1	B5.5 (b)	3COR02.02	IPU	3	Alcove Observation (single)	cabinet	chart	Wallaroo	2022-03-29	1199.10	x							1		1		1
Phase 1	B5.5 (b)	3COR02.02	IPU	3	Alcove Observation (single)															0		0
Phase 1	B5.5 (b)	3COR03.02	IPU	3	Alcove Observation (single)	cabinet	chart	Wallaroo	2022-03-29	1199.10	x							1		1		1
Phase 1	B5.5 (b)	3COR03.02	IPU	3	Alcove Observation (single)															0		0

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Phase 1	B5.5 (b)	3COR05.02	IPU	3	Alcove Observation (single)															0		0
	B.6 Staff Support Area																					
Phase 1	B6.1	3103	IPU	3	Workstation Unit Clerk	computer terminal	pc		2022-07-18	6001		x			x				1	1		1
Phase 1	B6.1	3103	IPU	3	Workstation Unit Clerk	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B6.1	3103	IPU	3	Workstation Unit Clerk	chair	task	80%	2021-09-19	5006.12		x					x		1	1		1
Phase 1	B6.1	3103	IPU	3	Workstation Unit Clerk	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B6.1	3103	IPU	3	Workstation Unit Clerk	printer	label	zebra	2022-06-17	6011.4					x					0		0
Phase 1	B6.1	3103	IPU	3	Workstation Unit Clerk	cart	chart		2022-03-15	1092.4		x		x					1	1		1
Phase 1	B6.1	3103	IPU	3	Workstation Unit Clerk															0		0
Phase 1	B6.2	3103	IPU	3	Care Team Station Small	board	bulletin	3'x4' magnetic fabric	2021-06-09	1083.2		x		x					1	1		1
Phase 1	B6.2	3103	IPU	3	Care Team Station Small	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	B6.2	3103	IPU	3	Care Team Station Small	computer terminal	pc		2021-06-29	6001		x			x				1	1		1
Phase 1	B6.2	3103	IPU	3	Care Team Station Small	computer terminal	zero client	for Meditech tracker boards	2022-04-09						x					0		0
Phase 1	B6.2	3103	IPU	3	Care Team Station Small	bracket	tracker board		2022-04-09	1013		x	x							0		0
Phase 1	B6.2	3103	IPU	3	Care Team Station Small	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B6.2	3103	IPU	3	Care Team Station Small	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B6.2	3103	IPU	3	Care Team Station Small	diagnostic set	mobile	mobile stand 111-7670-06P oto/ophth/spec - TBD	2022-04-21	1098.5		x				x			1	1		1
Phase 1	B6.2	3103	IPU	3	Care Team Station Small															0		0
Phase 1	B6.2.1	3103	IPU	3	Alcove Pneumatic Tube Station				2022-03-24	1020										0		0
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	computer terminal	pc		022-06-10	6000		x			x				2	2		2
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	whiteboard	magnetic	3x4	2022-06-17	1090	x							2	1	3		3
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	chair	task	60%	2022-03-21	5006.12		x					x		6	6		6
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	workstation	office		2021-06-29	5020										0		0
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	container	garbage	medium	2021-05-20	1035		x		x					1	1		1

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Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	container	recycling	large	2020-03-26	1037		x		x					1	1		1
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	table	oval	standard height	2021-09-28	5019.1		x							1	1		1
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	chair	conference	Silq	2022-03-21	5021										0		0
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	electronic display monitor	Meditech tracker	47" wall mount	2022-11-22	6002		p/h			x					0	1	1
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	cable	coaxial	6' w/ screw on connector	2022-11-22	6002		p/h	x							0	1	1
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	bracket	Meditech tracker	wall mount	2022-11-22	1013		p/h			x					0	1	1
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	computer terminal	zero client	DH to confirm	2022-03-11	6000		p/h			x					0	1	1
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	bracket	computer	zero client	2022-06-28	7061.3		p/h								0	1	1
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small	printer	laser		2022-03-02	6004.1c		x			x				1	1		1
Phase 1	B6.2.2	3103.02	IPU	3	Workroom Care Team Small							x			x							0
Phase 1	B6.3	3COR02.03	IPU	3	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B6.3	3COR02.03	IPU	3	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B6.3	3COR02.03	IPU	3	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B6.4	3210	IPU	3	Office Shared	computer terminal	pc		2021-06-09	6001		x			x				2	2		2
Phase 1	B6.4	3210	IPU	3	Office Shared	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B6.4	3210	IPU	3	Office Shared	bookcase	tall		2022-02.03	5001.4		x					x		1	1		1
Phase 1	B6.4	3210	IPU	3	Office Shared	chair	task	80%	2020-03-26	5006.12		x					x		1	1		1
Phase 1	B6.4	3210	IPU	3	Office Shared	chair	visitor		2022-02-09	5007		x					x		1	1		1
Phase 1	B6.4	3210	IPU	3	Office Shared	workstation	height adjustable		2022-04-25	4025		x					x		2	2		2
Phase 1	B6.4	3210	IPU	3	Office Shared	cabinet	filing	lateral 4 drawer	2020-03-26	5010		x					x		1	1		1
Phase 1	B6.4	3210	IPU	3	Office Shared	keyboard tray			2020-03-26	5011		x					x		2	2		2
Phase 1	B6.4	3210	IPU	3	Office Shared	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B6.4	3210	IPU	3	Office Shared	container	recycling	large	2020-03-26	1037		x		x					1	1		1
Phase 1	B6.4	3210	IPU	3	Office Shared															0		0

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Phase 1	B4.8	3112	IPU	3	Office Shared	computer terminal	pc		2022-07-18	6001		x			x				2	2		2
Phase 1	B4.8	3112	IPU	3	Office Shared	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared	bookcase	tall		2022-02.03	5001.4		x					x		1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared	chair	task	80%	2020-03-26	5006.12		x					x		2	2		2
Phase 1	B4.8	3112	IPU	3	Office Shared	chair	visitor	bariatric	2022-02-09	5007		x					x		1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared	workstation	height adjustable		2022-04-25	4025		x					x		2	2		2
Phase 1	B4.8	3112	IPU	3	Office Shared	cabinet	filing	lateral 4 drawer	2020-03-26	5010		x					x		1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared	container	garbage	medium	2021-05-20	1035		x		x					2	2		2
Phase 1	B4.8	3112	IPU	3	Office Shared	container	recycling	large	2020-03-26	1037		x		x					2	2		2
Phase 1	B4.8	3112	IPU	3	Office Shared	flowmeter	medical gas	for education purposes	2022-07-18	1049		x		x					1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared	flowmeter	oxygen	for education purposes	2022-07-18	1051		x		x					1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared	regulator	vacuum	for education purposes	2022-07-18	1079		x		x					1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared	canister	suction	add liner / tubing	2022-09-22	1052		x	x						1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared	plate	wall	suction	2022-09-22	1052		x	x						1	1		1
Phase 1	B4.8	3112	IPU	3	Office Shared															0		0
Phase 1	B6.5	3110	IPU	3	Workstation Touchdown (east)	computer terminal	pc	single physician	2020-03-26	6001		x			x				1	1		1
Phase 1	B6.5	3110	IPU	3	Workstation Touchdown (east)	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B6.5	3110	IPU	3	Workstation Touchdown (east)	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	B6.5	3110	IPU	3	Workstation Touchdown (east)	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B6.5	3110	IPU	3	Workstation Touchdown (east)	container	recycling	large	2021-06-09	1037										0		0
Phase 1	B6.5	3110	IPU	3	Workstation Touchdown (east)															0		0
Phase 1	B6.5	3131	IPU	3	Workstation Touchdown (west)	computer terminal	pc		2020-03-26	6001		x			x				1	1		1
Phase 1	B6.5	3131	IPU	3	Workstation Touchdown (west)	whiteboard	magnetic	2x3	2020-03-26	1090		x	x						1	1		1
Phase 1	B6.5	3131	IPU	3	Workstation Touchdown (west)	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	B6.5	3131	IPU	3	Workstation Touchdown (west)	computer terminal	wow		2022-03-14	6022		p/h			x					0	1	1
Phase 1	B6.5	3131	IPU	3	Workstation Touchdown (west)	keyboard tray			2020-03-26	5011		x					x		1	1		1
Phase 1	B6.5	3131	IPU	3	Workstation Touchdown (west)	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	B6.5	3131	IPU	3	Workstation Touchdown (west)	container	recycling	large	2021-06-09	1037										0		0

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Phase 1	B6.5	3131	IPU	3	Workstation Touchdown (west)															0		0
Phase 1	B6.6	3124	IPU	3	Washroom Staff	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B6.6	3124	IPU	3	Washroom Staff	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B6.6	3124	IPU	3	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B6.6	3124	IPU	3	Washroom Staff	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	B6.6	3124	IPU	3	Washroom Staff	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B6.6	3124	IPU	3	Washroom Staff															0		0
	Unit Support Area																					
Phase 1	B6.7	3115	IPU	3	Storage Room Equipment	pump	epidural pain		2022-03-25	2040		x				x			9	9		9
Phase 1	B6.7	3115	IPU	3	Storage Room Equipment	pole	iv		2021-06-29	1070		x		x					1	1		1
Phase 1	B6.7	3115	IPU	3	Storage Room Equipment	scanner	bladder		2021-07-19	1158		x				x			1	1		1
Phase 1	B6.7	3115	IPU	3	Storage Room Equipment	cart	wire		2022-02-24	1210		x		x					1	1		1
Phase 1	B6.7	3115	IPU	3	Storage Room Equipment	cart	procedure	dressing	2022-07-15			x		x					1	1		1
Phase 1	B6.7	3115	IPU	3	Storage Room Equipment				2020-03-26											0		0
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	computer terminal	pc	laptop/docking station, dual monitors, keyboard, mouse	2021-10-25	6001		x			x				1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	stool	task	for counter height millwork	2022-03-25	5003.3		x					x		1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	chair	task	80% for desk height millwork	2022-05-05	5006.12		x					x		1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	dispenser	soap		2021-06-16	1045		x	x						1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	dispenser	paper towel		2021-06-16	1044		x	x						1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	container	garbage	large	2021-06-16	1035.1		x		x					1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	container	recycling	medium		1037		x		x					1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	pump	syringe		2021-10-25	2043		p/h				x				0	1	1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	pump	intermittent pressure	sequential pump	2021-10-25	2042		p/h				x				0	1	1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	cart	utility	Rubbermaid	2021-10-25	1027.17		x		x					1	1		1

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Phase 1	B7.3	3235	IPU	3	Workroom Biomed	flowmeter	medical air	south wall	2021-10-25	1049		x		x					2	2		2
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	flowmeter	oxygen	south wall	2021-10-25	1051		x		x					2	2		2
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	flowmeter	nitrous oxide	south wall	2021-10-25	1051		x		x					1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	equipment rail	3' horizontal mount		2023-01-11	2022		x	x						1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	mount	infusion pump	for equipment rail	2023-01-11	2022		x				x			2	2		2
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	laser			2021-10-25	2065.3	p/h					x				0	1	1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	laser			2022-06-28	2065.4	x					x				0	1	1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	light	task	mounted on column	2022-05-05	1400.1		x					x		1	1		1
Phase 1	B7.3	3235	IPU	3	Workroom Biomed	printer	mfd								x				0	0		0
Phase 1	B7.3	3235	IPU	3	Workroom Biomed															0		0
Phase 1	B6.8	3118	IPU	3	Med	medication management system		1 tower, 3 cells, seismic restraint required	2021-07-19	1072.1		x				x			1	1		1
Phase 1	B6.8	3118	IPU	3	Med	refrigerator	vaccine	all fridge - no freezer lockable - Omnicell compatible - internal alarm and to BMS	2022-02-16	1077.43		x	x						1	1		1
Phase 1	B6.8	3118	IPU	3	Med	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1

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Phase 1	B6.8	3118	IPU	3	Med	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	B6.8	3118	IPU	3	Med	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B6.8	3118	IPU	3	Med	container	recycling	large	2020-03-26	1037		x		x					1	1		1
Phase 1	B6.8	3118	IPU	3	Med	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B6.8	3118	IPU	3	Med	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B6.8	3118	IPU	3	Med	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	B6.8	3118	IPU	3	Med	bin system		1 x HSC3661LP louvered panel 3 x H1236BSK 12 x 36 basket 3 x H1836BSK 18 x 36 basket Dividers TBD 2 x HSC3619LP louvered panel 4 x 12 x 36 baskets dividers TBD	2022-07-18	1011		x		x					3	3		3
Phase 1	B6.8	3118	IPU	3	Med	computer terminal	pc	sit on millwork	2021-10-08	6001		x			x				1	1		1
Phase 1	B6.8	3118	IPU	3	Med	container	pharmaceutical waste	3.8l (IH# 1056776) - order wall mount bracket (IH# 1056775)	2022-07-08	1341.4 / 1341.6	x							1		1		1
Phase 1	B6.8	3118	IPU	3	Med	whiteboard	magnetic	2x3	2021-11-30			x	x						1	1		1
Phase 1	B6.8	3118	IPU	3	Med	cart	medication	Solaire - Inner Space	2022-06-14	1022	x							1		1		1
Phase 1	B6.8	3118	IPU	3	Med	refrigerator	small	under counter food fridge	2022-05-06	1076		x	x						1	1		1

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Phase 1	B6.9	3116	IPU	3	Utility Room Clean	bin system		7 x HSC3661LP 36 x 61 louvered panel 1 x _____ 18 x 61 louvered panel 1 x corner louvered panel 27 x H1236BSK 12 x 36 basket (confirm qty will fit) 27 x H1836BSK 18 X 36 basket (confirm qty will fit) dividers TBD	2022-09-15	1011		x		x					9	9		9
Phase 1	B6.9	3116	IPU	3	Utility Room Clean	container	recycling	medium	2022-03-25	1037		x		x					1	1		1
Phase 1	B6.9	3116	IPU	3	Utility Room Clean	cart	wire		2022-09-15	1210.14		x		x					1	1		1
Phase 1	B6.9	3116	IPU	3	Utility Room Clean	whiteboard	magnetic	1x2	2021-11-30	1210.14		x	x						1	1		1
Phase 1	B6.9	3116	IPU	3	Utility Room Clean	evacuation device		will need to be labelled for Ecotex	2022-02-25	1238.1										0		0
Phase 1	B6.9	3116	IPU	3	Utility Room Clean															0		0
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	macerator	large		2022-03-10	1063.2		x	x						1	1		1
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	dispenser	paper towel		2021-06-18	1044		x	x						2	2		2
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	dispenser	soap		2021-06-18	1045		x	x						2	2		2
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	container	garbage	medium	2021-08-19	1035		x		x					2	2		2
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	pump	Saf-T		2020-03-26	2101		x				x			1	1		1
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	cart	wire	for Vernacare supplies	2022-07-14	1210										0		0
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	analyzer	urine		2022-02-15	1389		p/h				x				0	1	1

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Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	refrigerator	small	`	2022-02-22	1076		x		x					1	1		1
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	container	biohazard	23 litre/6 gallon cytotoxic	2022-05-10	1005.2		x		x					1	1		1
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	container	biohazard	23 litre/6 gallon cytotoxic (red - anything for incineration)	2022-05-10	1005.7		x		x					1	1		1
Phase 1	B6.10	3125	IPU	3	Utility Room Soiled	container	biohazard	23 litre/6 gallon cytotoxic (yellow)	2022-05-10	1005.8		x		x					1	1		1
Phase 1	B6.11	3111	IPU	3	Holding Room Soiled	bin	garbage		2022-06-30	1007.9		x		x					1	1		1
Phase 1	B6.11	3111	IPU	3	Holding Room Soiled	bin	linen	soiled	2022-06-28	1008.4		x		x					1	1		1
Phase 1	B6.11	3111	IPU	3	Holding Room Soiled	bin	recycling		2022-06-30	1009.3		x		x					1	1		1
Phase 1	B6.11	3111	IPU	3	Holding Room Soiled	dispenser	paper towel		2023-01-12	1044			x						0	0		0
Phase 1	B6.11	3111	IPU	3	Holding Room Soiled	dispenser	soap		2023-01-12	1045			x						0	0		0
Phase 1	B6.11	3111	IPU	3	Holding Room Soiled	container	garbage		2023-01-12	1035			x						0	0		0
Phase 1	B6.11	3111	IPU	3	Holding Room Soiled															0		0
Phase 1	B6.12	3127	IPU	3	Housekeeping Room	vacuum	housekeeping		2022-03-28	1337.3		x		x					1	1		1
Phase 1	B6.12	3127	IPU	3	Housekeeping Room	cart	wire	mobile 24"D x 48"Wx 74"H	2020-03-26	1210.1		x		x					1	1		1
Phase 1	B6.12	3127	IPU	3	Housekeeping Room	ladder	4'	wall mounted	2022-02-25	1059.3		x		x					1	1		1
Phase 1	B6.12	3127	IPU	3	Housekeeping Room	dispenser	detergent		2022-03-03	1041.2		x	x						1	1		1
Phase 1	B6.12	3127	IPU	3	Housekeeping Room	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B6.12	3127	IPU	3	Housekeeping Room	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B6.12	3127	IPU	3	Housekeeping Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B6.12	3127	IPU	3	Housekeeping Room	cart	housekeeping		2022-02-28	1018.2		x		x					1	1		1
Phase 1	B6.12	3127	IPU	3	Housekeeping Room															0		0
Phase 1	B6.13	3COR03.01	IPU	3	Alcove Linen Cart	cart	linen		2021-11-18	1021.9		x		x					1	1		1
Phase 1	B6.13	3COR03.04	IPU	3	Alcove Linen Cart	cart	linen		2021-11-18	1021.9		x		x					1	1		1
Phase 1	B6.13	3COR03.04	IPU	3	Alcove Linen Cart	cart	procedure	medical - everyday supplies	2022-07-15			x		x					1	1		1

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Phase 1	B6.13	3COR05.04	IPU	3	Alcove Linen Cart	cart	linen		2022-07-14	1021.9										0		0
Phase 1	B6.14	3COR02.03	IPU	3	Alcove Blanket Warmer	cabinet	warming		2020-03-26	1088		x		x					1	1		1
Phase 1	B6.15	3COR03.01	IPU	3	Alcove Equipment				2020-03-26											0		0
Phase 1	B6.15	3COR05.03	IPU	3	Alcove Equipment				2020-03-26											0		0
Phase 1	B6.15	3COR07.01	IPU	3	Alcove Equipment				2020-03-26											0		0
Phase 1	B6.16	3COR05.01	IPU	3	Alcove Crash Cart	cart	crash	defibrillator and portable suction	2022-04-26	2009.5		x				x			1	1		1
Phase 1	B6.16	3COR05.01	IPU	3	Alcove Crash Cart	defibrillator		crash cart	2020-03-26	2020		x				x			1	1		1
Phase 1	B6.16	3COR05.01	IPU	3	Alcove Crash Cart	suction machine	portable	crash cart	2021-04-14	2052		x				x			1	1		1
Phase 1	B6.16	3COR05.01	IPU	3	Alcove Crash Cart	cabinet	storage	enclosed for macerator supplies	2022-07-15	1342.1		x		x					1	1		1
Phase 1	B6.17	3123	IPU	3	Alcove Food Cart - dirty	cart	dietary	millwork/cart enclosure is continued from nourishment alcove	2022-04-26	1300.1		x		x					2	2		2
Phase 1	B6.17	3123	IPU	3	Alcove Food Cart - dirty	cart	dietary		2022-03-23	1300.1										0		0
Phase 1	B6.18	3COR03.04	IPU	3	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B6.18	3COR03.04	IPU	3	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B6.18	3COR03.04	IPU	3	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	B6.18	3COR09.01	IPU	3	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B6.18	3COR09.01	IPU	3	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B6.18	3COR09.01	IPU	3	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B6.19	3105	IPU	3	Alcove Wheelchair Stretcher	stretcher			2020-03-26	1081				x						0	1	1
Phase 1	B6.19	3105	IPU	3	Alcove Wheelchair Stretcher	wheelchair	standard		2020-03-26	1089				x						0	1	1
	Patient Family Support Area																					
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	toaster	commercial	medium duty, voltage requirements confirmed as 120v	2021-09-14	1086.4		x		x					1	1		1
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	coffee machine			2022-02-17	1033.6		x		x					1	1		1
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	machine	ice	countertop	2022-02-16	1056.4		x		x					1	1		1
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	microwave	commercial		2021-05-20	1066		x		x					1	1		1
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	refrigerator	domestic	full size with freezer	2022-02-15	1076		x		x					1	1		1
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B6.20	3123	IPU	3	Alcove Nourishment	container	recycling		2021-09-21	1037		x	x						1	1		1
Phase 1	B8.4	3242	IPU	3	Washroom Shower Staff	dispenser	paper towel		2020-03-26	1044		x	x						1	1		1
Phase 1	B8.4	3242	IPU	3	Washroom Shower Staff	dispenser	soap		2020-03-26	1045		x	x						1	1		1
Phase 1	B8.4	3242	IPU	3	Washroom Shower Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Corridors, Inpatient - Level 3 IPU																					
Phase 1	301-C	3COR02	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR02	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR02	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR02	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	301-C	3COR02	IPU	3	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	301-C	3COR02	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR03	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	301-C	3COR03	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR03	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR03	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR03	IPU	3	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	301-C	3COR03	IPU	3	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	301-C	3COR04	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	301-C	3COR04	IPU	3	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	301-C	3COR05	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR05	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR05	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR05	IPU	3	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	301-C	3COR05	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR06	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	301-C	3COR06	IPU	3	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	301-C	3COR06	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR06	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	301-C	3COR09	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR10	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
	C Maternity Services Unit																					
	C1 Unit Entrance Area																					
Phase 1	C1.1	3COR01.01	OBS	3	Waiting Room	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	C1.1	3COR01.01	OBS	3	Waiting Room	television	entertainment	public 55" wall mount	2022-22-11	6006		x		x					1	1		1
Phase 1	C1.1	3COR01.01	OBS	3	Waiting Room	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	C1.1	3COR01.01	OBS	3	Waiting Room	television	digital messaging	55" wall mount south wall	2022-22-11	6006		x		x					1	1		1
Phase 1	C1.1	3COR01.01	OBS	3	Waiting Room	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	C1.1	3COR01.01	OBS	3	Waiting Room	table	end		2020-03-18	5017		x					x		1	1		1
Phase 1	C1.1	3COR01.01	OBS	3	Waiting Room	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	C1.1	3COR01.01	OBS	3	Waiting Room															0		0
Phase 1	C1.1.2	3COR01.02	OBS	3	Alcove Hand Hygiene Sink	dispenser	paper towel		2022-05-06	1044										0		0
Phase 1	C1.1.2	3COR01.02	OBS	3	Alcove Hand Hygiene Sink	dispenser	soap		2022-05-06	1045										0		0
Phase 1	C1.1.2	3COR01.02	OBS	3	Alcove Hand Hygiene Sink	container	garbage	large	2022-05-06	1035.1										0		0
Phase 1	C1.1.2	3COR01.02	OBS	3	Alcove Hand Hygiene Sink															0		0
Phase 1	C1.2	3101	OBS	3	Washroom Public	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C1.2	3101	OBS	3	Washroom Public	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C1.2	3101	OBS	3	Washroom Public	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C1.2	3101	OBS	3	Washroom Public	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C1.2	3101	OBS	3	Washroom Public	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Corridors, Public - Level 3 OBS																					
Phase 1	302-C	3COR01	OBS	3	Corridor, Public	station	charging	cell phone	2022-11-28	1327		x			x				1	1		1
Phase 1	302-C	3COR01	OBS	3	Corridor, Public	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	302-C	3COR01	OBS	3	Corridor, Public	dispenser	waterless	hand wash	2023-01-06	1048		x	x						2	2		2
Phase 1	302-C	3COR01	OBS	3	Corridor, Public	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1

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	C2 Clinical Area																					
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	computer terminal	wow		2022-03-22	6022		x			x				1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	stretcher	gyne		2022-02-03	1081.17		x		x					1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	table	overbed		2021-10-26	1082		x		x					1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	chair	visitor		2020-03-19	5007		x					x		1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	hamper	linen	under millwork counter Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-05-06	1036		x		x					1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2021-11-03	1031		x					x		1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	dispenser	glove	quad universal	2022-05-06	1042.6		x	x						1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	dispenser	soap		2022-05-06	1045		x	x						2	2		2
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	dispenser	paper towel		2022-05-06	1044		x	x						2	2		2
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	container	garbage	medium	2022-06-15	1035		x		x					1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	flowmeter	medical air	maternal and neonatal per SoR	2021-10-26	1049		x		x					2	2		2
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	flowmeter	oxygen	maternal and neonatal per SoR	2021-10-26	1051		x		x					2	2		2
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	regulator	instrument	Entonox N20	2022-03-09	1165.1		x				x			1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	monitor	fetal heart	mobile - head of bed on patients right side	2022-04-08	2035.3		x				x			1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x				x			1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	pump	infusion		2021-10-19	2041.1		x				x			1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	scale	digital	wall mounted - purchase 2 hooks	2022-03-21	1149.4		x							1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	light	exam	ceiling articulating at foot of bed	2022-03-23	1060		x		x					1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	screen	privacy	wall mounted	2022-04-08											0		0
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)	ultrasound		mobile	2022-05-06	3005.8	p/h					x				0	1	1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (west)															0		0
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	cabinet	storage	clinical supply	2022-07-18	1118										0		0
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	scale	digital	stand on bariatric	2022-03-08	1149.4										0		0
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	monitor	fetal heart	mobile - head of bed on patients right side	2022-04-08	2035.3		x				x			1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	chair	visitor		2020-03-19	5007		x					x		1	1		1

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Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x				x			1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	flowmeter	medical air	maternal and neonatal per SoR	2021-10-26	1049		x		x					2	2		2
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	flowmeter	oxygen	maternal and neonatal per SoR	2021-10-26	1051		x		x					3	3		3
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	regulator	instrument		2022-03-09	4036		x				x			1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	stretcher	gyne		2022-02-03	1081.17		p/h								0	1	1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	dispenser	glove	quad universal	2022-05-06	1042.6		x	x						1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	dispenser	soap		2022-05-06	1045		x	x						2	2		2
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	dispenser	paper towel		2022-05-06	1044		x	x						2	2		2
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	touchdown	station	height adjustable	2022-04-05	5032.20										0		0
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	hamper	linen	Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2021-10-01	1031		x					x		1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	pump	infusion		2021-10-19	2041.1		x				x			1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	table	overbed		2021-10-26	1082		x		x					1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	light	exam	ceiling articulating at foot of bed	2022-03-23	1060		x		x					1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	screen	privacy	wall mounted	2022-04-08											0		0
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2022-06-30	1068.1		x				x			1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)	ultrasound		mobile	2022-05-06	3005.8	p/h					x				0	1	1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (east)	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.1	3223	OBS	3	Exam Room Triage Observation (east)	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.1	3227	OBS	3	Exam Room Triage Observation (east)															0		0
Phase 1	C2.2	3COR08.02	OBS	3	Alcove Equipment Small	monitor physiological	mobile	Qube	2022-04-08	2035.16	x							3		3		3
Phase 1	C2.2	3COR08.02	OBS	3	Alcove Equipment Small															0		0
Phase 1	C2.2	3COR08.02	OBS	3	Alcove Equipment Small	cart	hot cold		2022-03-03	1339.6		x		x					1	1		1
Phase 1	C2.2	3COR08.02	OBS	3	Alcove Equipment Small															0		0
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown	computer terminal	pc	single monitor per LR	2022-03-23	6001		x			x				1	1		1
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown	printer	label	zebra	2022-07-19	6011.4		x			x				1	1		1
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown	printer	laser		2022-03-02	6004.1c		x			x				1	1		1
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown	chair	task	80%	2020-03-19	5006.12		x					x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown	container	recycling	medium	2020-03-19	1037		x		x					1	1		1
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown	whiteboard	magnetic	3x4	2022-07-15	1090		x	x						1	1		1
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown	pedestal	mobile		2022-07-19	5000		x					x		1	1		1
Phase 1	C2.3	3226	OBS	3	Workstation Touchdown															0		0
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	computer terminal	pc	single monitor	2022-05-06	6001		x			x				1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2021-05-19	1031		x					x		1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	bed	inpatient	labour & delivery with squat/labour bar	2022-06-28	1170.2	x							1		1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	chair	sleeper	bariatric	2020-03-19	1174.9		x					x		1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	chair	breastfeeding		2022-02-25	1173.2		x		x					1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	chair	visitor		2020-03-19	5007		x					x		1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	hamper	linen	under millwork counter at foot end of bed and beside HHS	2022-06-14	1036	x							1		1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	whiteboard	magnetic	2x3	2022-05-06	1090		x	x						2	2		2
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	dispenser	waterless	hand wash	2022-05-06	1048		x	x						1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	dispenser	paper towel		2022-02-08	1044		x	x						1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	dispenser	soap		2022-02-08	1045		x	x						1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	flowmeter	medical air		2022-04-08	1049		x		x					2	2		2
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	flowmeter	oxygen		2022-04-08	1051		x		x					2	2		2
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	basket			2022-07-14	2006.3		x		x					3	3		3
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	regulator	instrument	Entonox N20	2022-04-08	1165.1		x				x			1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	dispenser	glove	quad universal	2022-06-14	1042.6		x	x						2	2		2
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	pump	epidural pain	mobile	2022-02-25	1181.1	x					x		1		1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	pump	infusion		2021-07-13	2041.1	x					x		1		1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	pole	iv	for infusion pump	2020-03-19	1070	x							1		1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	cart	case		2022-04-08	4004.8		x		x					1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	cart	procedure	labour	2022-07-15	1145.3		x		x					1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	bassinet			2022-02-25	1174.5	p/h									0	1	1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	warmer	infant	Panda IRES Warmer	2022-05-06	2076.2		p/h				x				0	1	1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	cabinet	warming	single compartment (space allows for 33"D x 37"W, height does not matter) - stored in millwork closet by entry door on top of cart	2022-05-05	1088.15	x			x					1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	monitor	fetal heart	mobile Avalon FM30	2022-04-08	2035.3	x					x		1		1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	stool	task		2022-02-25	5003.3		x								0	1	1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	stool	exam		2021-10-26	5013.9		x					x		1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	stool	step		2021-11-03	5014.5		x		x					1	1		1

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Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	diagnostic set	oto, ophth, spec and oral therm	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-04-25	1098.2		x	x						1			
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	thermometer	oral	01690-300	2022-07-14	1204.3		x				x			1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	table	exam	70% review - ceiling articulating	2022-06-14	1060		x		x					1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	monitor physiological	mobile	Qube Compact	2022-06-20	2035.13	p/h									0	1	1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	C2.4	3216	OBS	3	Patient Room Private SRMC															0		0
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	computer terminal	wow		2022-06-14	6022					x					0		0
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	computer terminal	pc	single monitor	2022-05-06	6001		x			x				1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2021-05-19	1031		x					x		1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	bed	inpatient	labour & delivery with squat/labour bar	2022-06-28	1170.2	x							1		1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	chair	sleeper		2020-03-19	1174.9		x					x		1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	chair	breastfeeding		2022-02-25	1173.2		x		x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	chair	visitor		2020-03-19	5007		x					x		1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	hamper	linen	under millwork counter at foot end of bed and beside HHS	2022-06-14	1036	x							1		1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	whiteboard	magnetic	2x3	2022-05-06	1090		x	x						2	2		2

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Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	dispenser	waterless	hand wash	2022-05-06	1048		x	x						1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	dispenser	paper towel		2022-02-08	1044		x	x						1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	dispenser	soap		2022-02-08	1045		x	x						1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	container	garbage	large	2022-07-08	1038.37/1038.31		x		x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	flowmeter	medical air	hidden in millwork sliders	2022-04-08	1049		x		x					2	2		2
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	flowmeter	oxygen	hidden in millwork sliders	2022-04-08	1051		x		x					2	2		2
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	basket			2022-07-14	2006.3		x		x					3	3		3
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	regulator	instrument	Entonox N20	2022-04-08	1165.1		x				x			1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	dispenser	glove	quad universal	2022-06-14	1042.6		x	x						2	2		2
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	pump	epidural pain	mobile	2022-02-25	1181.1	x					x		1		1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	pump	infusion		2021-07-13	2041.1	x					x		1		1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	pole	iv	for infusion pump	2020-03-19	1070	x							1		1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	cart	case		2022-04-08	4004.8		x		x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	cart	procedure	labour	2022-07-15	1145.3		x		x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	bassinet			2022-02-25	1174.5	p/h									0	1	1

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Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	warmer	infant	Panda IRES Warmer	2022-05-06	2076.2		p/h				x				0	1	1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	cabinet	warming	single compartment (space allows for 33"D x 37"W, height does not matter) - stored in millwork closet by entry door on top of cart	2022-05-05	1088.15	x			x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	monitor	fetal heart	mobile Avalon FM30	2022-04-08	2035.3	x					x		1		1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	transducer	fetal heart	for above unit	2022-09-23	2035.3a	x					x		1		1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	stool	task		2022-02-25	5003.3		p/h								0	1	1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	stool	exam		2021-10-26	5013.9		x					x		1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	stool	step		2021-11-03	5014.5		x		x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	diagnostic set	oto, ophth, spec and oral therm	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-04-25	1098.2		x	x						1			
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	thermometer	oral	01690-300	2022-07-14	1204.3		x				x			1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	light	exam	70% review - ceiling articulating	2022-06-14	1060		x		x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	monitor physiological	mobile	Qube Compact	2022-06-20	2035.13	p/h									0	1	1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC	basket			2022-07-18	2006.3		x		x					1	1		1
Phase 1	C2.4	3217	OBS	3	Patient Room Private SRMC															0		0

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Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	computer terminal	wow		2022-06-14	6022					x					0		0
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	computer terminal	pc	single monitor	2022-05-06	6001		x			x				1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2021-05-19	1031		x					x		1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	bed	inpatient	labour & delivery with squat/labour bar	2022-06-28	1170.2	x							1		1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	chair	sleeper		2020-03-19	1174.9		x					x		1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	chair	breastfeeding		2022-02-25	1173.2		x		x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	chair	visitor		2020-03-19	5007		x					x		1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	hamper	linen	under millwork counter at foot end of bed and beside HHS	2022-06-14	1036	x							1		1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	whiteboard	magnetic	2x3	2022-05-06	1090		x	x						2	2		2
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	dispenser	waterless	hand wash	2022-05-06	1048		x	x						1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	dispenser	paper towel		2022-02-08	1044		x	x						1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	dispenser	soap		2022-02-08	1045		x	x						1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	flowmeter	medical air	hidden in millwork sliders	2022-04-08	1049		x		x					2	2		2
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	flowmeter	oxygen	hidden in millwork sliders	2022-04-08	1051		x		x					2	2		2
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	basket			2022-07-14	2006.3		x		x					3	3		3
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	regulator	instrument	Entonox N20	2022-04-08	1165.1		x				x			1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	dispenser	glove	quad universal	2022-06-14	1042.6		x	x						2	2		2
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	pump	epidural pain	mobile	2022-02-25	1181.1	x					x		1		1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	pump	infusion		2021-07-13	2041.1	x					x		1		1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	pole	iv	for infusion pump	2020-03-19	1070	x							1		1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	cart	case		2022-04-08	4004.8		x		x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	cart	procedure	labour	2022-07-15	1145.3		x		x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	bassinet			2022-02-25	1174.5	p/h									0	1	1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	warmer	infant	biomed asset #1040851 Panda IRES Warmer	2022-05-06	2076.2		p/h				x				0	1	1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	cabinet	warming	single compartment (space allows for 33"D x 37"W, height does not matter) - stored in millwork closet by entry door on top of cart	2022-05-05	1088.15	x			x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	warmer	infant		2022-05-06	2076.2		p/h				x				0	1	1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	cabinet	warming	small (space allows for 33"D x 37"W, height does not matter)	2022-05-05	1088.15	x			x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	monitor	fetal heart		2022-06-30	2035.3	x					x		1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	transducer	fetal heart	for above unit	2022-09-23	2035.3a	x					x		1		1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	stool	task		2022-02-25	5003.3		p/h								0	1	1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	stool	exam		2021-10-26	5013.9		x					x		1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	stool	step		2021-11-03	5014.5		x		x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	diagnostic set	oto, ophth, spec and oral therm	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x	x						1			
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	thermometer	oral	01690-300	2022-07-14	1204.3		x				x			1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	light	exam	70% review - ceiling articulating	2022-06-14	1060		x		x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	monitor physiological	mobile	Qube Compact	2022-06-20	2035.13	p/h									0	1	1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC	basket			2022-07-18	2006.3		x		x					1	1		1
Phase 1	C2.4	3220	OBS	3	Patient Room Private SRMC															0		0
Phase 1	C2.4.1	3216.01	OBS	3	Washroom Shower Tub Ensuite	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.4.1	3216.01	OBS	3	Washroom Shower Tub Ensuite	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.4.1	3216.01	OBS	3	Washroom Shower Tub Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.4.1	3216.01	OBS	3	Washroom Shower Tub Ensuite															0		0
Phase 1	C2.4.1	3217.01	OBS	3	Washroom Shower Tub Ensuite	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.4.1	3217.01	OBS	3	Washroom Shower Tub Ensuite	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.4.1	3217.01	OBS	3	Washroom Shower Tub Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.4.1	3217.01	OBS	3	Washroom Shower Tub Ensuite															0		0
Phase 1	C2.4.1	3220	OBS	3	Washroom Shower Tub Ensuite	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1

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Phase 1	C2.4.1	3220	OBS	3	Washroom Shower Tub Ensuite	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.4.1	3220	OBS	3	Washroom Shower Tub Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.4.1	3220	OBS	3	Washroom Shower Tub Ensuite															0		0
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	computer terminal	wow		2022-06-14	6022					x					0		0
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	computer terminal	pc	single monitor	2022-05-06	6001		x			x				1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2021-05-19	1031		x					x		1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	bed	inpatient	labour & delivery with squat/labour bar	2022-11-30	1170		x							1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	chair	sleeper	bariatric	2020-03-19	1174.9		x					x		1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	chair	breastfeeding		2022-02-25	1173.2		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	chair	visitor		2020-03-19	5007		x					x		1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	hamper	linen	under millwork counter at foot end of bed and beside HHS	2022-06-14	1036	x							1		1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	whiteboard	magnetic	2x3	2022-05-06	1090		x	x						2	2		2
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	dispenser	waterless	hand wash	2022-05-06	1048		x	x						1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	dispenser	paper towel		2022-02-08	1044		x	x						1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	dispenser	soap		2022-02-08	1045		x	x						1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	flowmeter	medical air	hidden in millwork sliders	2022-04-08	1049		x		x					2	2		2
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	flowmeter	oxygen	hidden in millwork sliders	2022-04-08	1051		x		x					2	2		2
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	basket			2022-07-14	2006.3		x		x					3	3		3
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	regulator	instrument	Entonox N20	2022-04-08	1165.1		x				x			1	1		1

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Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	dispenser	glove	quad universal	2022-06-14	1042.6		x	x						2	2		2
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	pump	epidural pain	mobile	2022-02-25	1181.1	x					x		1		1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	pump	infusion		2021-07-13	2041.1	x					x		1		1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	pole	iv		2020-03-19	1070	x							1		1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	cart	case		2022-04-08	4004.8		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	cart	procedure	labour	2022-07-15	1145.3		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	bassinet			2022-02-25	1174.5		p/h								0	1	1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	warmer	infant	Panda IRES Warmer	2022-05-06	2076.2		p/h				x				0	1	1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	cabinet	warming	single compartment (space allows for 33"D x 37"W, height does not matter) - stored in millwork closet by entry door on top of cart	2022-05-05	1088.15	x			x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	warmer	infant		2022-05-06	2076.2		x				x				0	1	1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	cabinet	warming	small (space allows for 33"D x 37"W, height does not matter)	2022-05-05	1088.15	x			x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	monitor	fetal heart		2022-06-30	2035.3	x					x		1		1		1

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Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	transducer	fetal heart	for above unit	2022-09-23	2035.3a	x					x		1		1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	basket			2022-07-18	2006.3		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	stool	task		2022-02-25	5003.3		p/h								0	1	1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	stool	exam		2021-10-26	5013.9		x					x		1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	stool	step		2021-11-03	5014.5		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	diagnostic set	oto, ophth, spec and oral therm	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x	x						1			
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	thermometer	oral	01690-300	2022-07-14	1204.3		x				x			1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	light	exam	70% review - ceiling articulating	2022-06-14	1060		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	monitor physiological	mobile	Qube Compact	2022-06-20	2035.13	p/h									0	1	1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	cabinet	medication	narcotic - small with code lock	2022-06-23	1065.5		x	x						1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR	basket			2022-07-18	2006.3		x		x					1	1		1
Phase 1	C2.5	3229	OBS	3	Patient Room Private SRMC Bariatric AIR																	
Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR	dispenser	paper towel		2022-03-23	1044		x	x						1	1		1
Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR	dispenser	glove	quad universal	2021-09-19	1042.6		x	x						1	1		1

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Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR	container	biohazard	10 gallon	2022-03-23	1005.3		x								0		0
Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR	cart	isolation		2022-03-23	1208.7		x		x					1	1		1
Phase 1	C2.5.1	3231	OBS	3	Anteroom AIR																	
Phase 1	C2.5.2	3229.01	OBS	3	Washroom Shower Tub Ensuite AIR	macerator	inset in wall	order w/ inset assembly (cut sheet 1063.4)	2022-03-10	1063.1		x	x						1	1		1
Phase 1	C2.5.2	3229.01	OBS	3	Washroom Shower Tub Ensuite AIR	insert	wall	macerator	2022-02-28	1063.1		x	x						1	1		1
Phase 1	C2.5.2	3229.01	OBS	3	Washroom Shower Tub Ensuite AIR	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.5.2	3229.01	OBS	3	Washroom Shower Tub Ensuite AIR	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.5.2	3229.01	OBS	3	Washroom Shower Tub Ensuite AIR	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2021-05-19	1031		x					x		1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	bed	inpatient		2022-06-14	1171	x							1		1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	cabinet	bedside	patient storage	2020-03-19	5002		x		x					1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	chair	sleeper		2022-06-22	1174.9		x					x		1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	chair	visitor		2022-05-20	5005									1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	dispenser	waterless	hand wash	2022-03-23	1048		x	x						1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	dispenser	glove	quad universal	2022-02-08	1042.6		x	x						1	1		1

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Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	flowmeter	medical air		2020-03-19	1049		x		x					2	2		2
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	flowmeter	oxygen		2020-03-19	1051		x		x					2	2		2
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	hamper	linen		2022-05-06	1036	x							1		1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	whiteboard	magnetic	2x3	2022-05-06	1090		x	x						1	1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	pump	infusion	mobile	2021-07-13	2041.1	x					x		1		1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	pole	iv		2020-03-19	1070	x							1		1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health	monitor	vital sign	mobile Carescape VC150 (GE)	2022-05-11	1068	x					x		1		1		1
Phase 1	C2.6	3203	OBS	3	Patient Room Private Womens Health															0		0
													x									
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	ceiling lift	x-y gantry	to include all structural requirements/ rails/ motor	2021-05-19	1031		x					x		1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	bed	inpatient		2020-03-19	1171		x							1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	chair	sleeper	bariatric	2020-03-19	1174.9		x					x		1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	cabinet	bedside	patient storage	2020-03-19	5002		x		x					1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	flowmeter	medical air		2022-07-12	1049		x		x					1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	flowmeter	oxygen		2022-07-12	1051		x		x					1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	regulator	vacuum	add nipple	2022-07-12	1079		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	hamper	linen	stored below flip down shelf - millwork, below whiteboard	2022-05-06	1036	x							1		1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	chair	visitor		2022-02-07	5007		x					x		1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	chair	patient	ortho	2022-06-23	5007		x					x		1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	whiteboard	magnetic	2x3	2022-05-06	1090		x	x						1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	dispenser	glove	quad universal	2022-02-08	1042.6		x	x						1	1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	pump	infusion	mobile	2021-07-13	2041.1	x					x		1		1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	pole	iv		2020-03-19	1070	x							1		1		1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health	monitor	vital sign	mobile Carescape VC150 (GE)	2022-05-11	1068		p/h				x				0	1	1
Phase 1	C2.6	3207	OBS	3	Patient Room Private Womens Health															0		0
Phase 1	C2.6.1	3203.01	OBS	3	Washroom Shower Ensuite	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.6.1	3203.01	OBS	3	Washroom Shower Ensuite	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.6.1	3203.01	OBS	3	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.6.1	3207.01	OBS	3	Washroom Shower Ensuite	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.6.1	3207.01	OBS	3	Washroom Shower Ensuite	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.6.1	3207.01	OBS	3	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	chair	visitor		2021-10-26	5007		x					x		1	1		1

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Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x				x			1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	scale	infant	with cart biomed asset #1039362	2021-12-08	1183.3	x							1		1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	flowmeter	medical air		2022-05-06	1049		x		x					1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	flowmeter	oxygen		2022-05-06	1051		x		x					2	2		2
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	basket		brackets for equip rail - DB supplied	2022-07-14	2006.3		x		x					1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	stool	exam	stationary	2021-05-20	5013		x		x					2	2		2
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	dispenser	glove	quad universal	2021-09-19	1042.6		x	x						1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	dispenser	waterless	hand wash	2022-05-06	1048		x	x						1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	dispenser	soap		2022-05-06	1045		x	x						2	2		2
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	dispenser	paper towel		2022-05-06	1044		x	x						1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	hamper	linen	Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	chair	breastfeeding		2022-02-25	1173.2		x		x					1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	ceiling lift	x-y gantry	structural and power only	2022-05-06	1031		x					x		1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	monitor	vital sign	mobile Carescape VC150 (GE)	2021-11-02	1068		p/h				x				0	1	1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	light	exam	mobile	2022-07-11	1060	x									0		0
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity	cart	procedure	epidural	2022-07-15	1145.3		x		x					1	1		1
Phase 1	C2.7	3222	OBS	3	Exam Treatment Room Maternity															0		0
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	light	phototherapy	bili light	2020-03-19	1176	x					x		1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	bed	twin	frame, mattress	2022-06-14	1002										0		0
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	incubator	neonatal	Draeger C2000	2020-03-19	1167										0		0
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	pump	syringe	biomed asset #1025286 Medfusion 3500	2021-08-23	2043	x					x		1		1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	pump	infusion		2021-10-19	2041.1		x				x			4	4		4
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	dispenser	waterless	hand wash	2022-05-06	1048		x	x						1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	dispenser	glove	quad universal	2023-01-05	1042.6		x	x						1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	flowmeter	medical air		2020-03-19	1049		x		x					2	2		2
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	flowmeter	oxygen		2020-03-19	1051		x		x					2	2		2
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	chair	breastfeeding		2022-02-25	1173.2		x		x					1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	bassinet			2022-02-25	1174.5	x							2		2		2
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	pump	breast	Medela	2022-06-21	1182										0		0
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	refrigerator	domestic	compact size in bottom of wardrobe for breast milk	2022-04-21	1076.32		x		x					1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	warmer	milk	Medela	2022-06-21	1357										0		0
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	monitor physiological	Qube	Qube Compact	2022-06-30	2035.13		x				x			1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	computer terminal	wow		2022-03-14	6022		x			x				1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	cart	procedure	TBD	2022-07-19	1145.3										0		0
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	whiteboard	magnetic	2x3	2022-03-23			x	x						1	1		1

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Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x	x						1			
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	thermometer	oral	01690-300	2022-07-18	1204.3		x				x			1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	chair	sleeper		2021-12-02	1174.7		x					x		1	1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	apron	lead		2022-05-20	3001.3	x							1		1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	pole	iv		2022-07-18	1070 / 1070.11										0		0
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery															0		0
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	light	phototherapy	bili light	2020-03-19	1176	x					x		1		1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	light	phototherapy	bili light	2020-03-19	1176	x					x		1		1		1
Phase 1	C2.8	3211	OBS	3	Patient Room Private Nursery	bed	twin	frame, mattress	2022-06-14	1002										0		0
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	incubator	neonatal	Draeger C2000	2020-03-19	1167										0		0
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	pump	syringe	biomed asset# 1025009 Medfusion 3500	2021-08-23	2043	x					x		1		1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	pump	infusion		2021-10-19	2041.1		x				x			4	4		4
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	computer terminal	wow		2022-06-21	6022		p/h			x					0	1	1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	dispenser	glove	quad universal	2023-01-05	1042.6		x	x						1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	flowmeter	medical air		2020-03-19	1049		x		x					1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	flowmeter	oxygen		2020-03-19	1051		x		x					1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	regulator	vacuum	add nipple	2022-06-30	1079		x		x					1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	chair	breastfeeding		2022-02-25	1173.2		x		x					1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	bassinet			2022-02-25	1174.5	x							2		2		2

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Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	pump	breast	Medela	2022-06-21	1182										0		0
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	refrigerator	domestic	compact size in bottom of wardrob	2022-04-21	1076.32		x							1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	monitor physiological	Qube	Qube Compact	2022-06-30	2035.13		x				x			1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	cart	procedure	TBD	2022-07-19	1145.3										0		0
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	whiteboard	magnetic	2x3	2021-11-02			x	x						1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	diagnostic set	oto, ophth, spec	oto 111-23820 ophth - 111-11720 spec - 111-52400 fasteners for equip. rail - DB supplied	2022-06-30	1098.2		x	x						1			
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	thermometer	oral	01690-300	2022-07-18	1204.3						x			1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	chair	sleeper	bariatric	2021-12-02	1174.7		x					x		1	1		1
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	warmer	milk	sits on millwork	2022-06-28	1357										0		0
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery	pole	iv		2022-07-18	1070 / 1070.11										0		0
Phase 1	C2.8	3212	OBS	3	Patient Room Private Nursery															0		0
Phase 1	C2.8.1	3208	OBS	3	Washroom Shower Ensuite	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.8.1	3208	OBS	3	Washroom Shower Ensuite	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.8.1	3208	OBS	3	Washroom Shower Ensuite	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.9	3225	OBS	3	Washroom Public	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C2.9	3225	OBS	3	Washroom Public	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C2.9	3225	OBS	3	Washroom Public	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C2.9	3225	OBS	3	Washroom Public	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C2.9	3225	OBS	3	Washroom Public	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
	C3 Staff Support Area																					
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk	computer terminal	pc		2022-07-18	6001					x					0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk	whiteboard	magnetic	2x3	2022-03-22	1090		x	x						1	1		1
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk	chair	task	80%	2021-10-12	5006.12		x					x		1	1		1
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk	container	garbage	medium	2021-10-12	1035		x		x					1	1		1
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk	cart	chart	mobile	2022-03-15	1092.4		x		x					1	1		1
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk	container	recycling	large	2021-10-12	1037		x		x					1	1		1
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk	tray	paper		2022-01-13											0		0
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk	printer	label		2022-05-06	6011.4		x			x				1	1		1
Phase 1	C3.1	3103	OBS	3	Workstation Unit Clerk															0		0
Phase 1	C3.2	3103	OBS	3	Care Team Station	chair	task	80%	2022-02-25	5006.12		x					x		2	2	2	4
Phase 1	C3.2	3103	OBS	3	Care Team Station	stool	task		2023-01-11	5003.3		x					x		3	3	2	5
Phase 1	C3.2	3103	OBS	3	Care Team Station	computer terminal	pc		2022-07-18	6001		x			x				2	2		2
Phase 1	C3.2	3103	OBS	3	Care Team Station	computer terminal	zero client	DH to confirm	2022-03-11	6000		x			x				2	2		2
Phase 1	C3.2	3103	OBS	3	Care Team Station	bracket	computer	zero client	2022-06-28	7061.3		x							2	2		2
Phase 1	C3.2	3103	OBS	3	Care Team Station	container	garbage	medium	2021-09-19	1035		x		x					2	2		2
Phase 1	C3.2	3103	OBS	3	Care Team Station	cabinet	filing		2021-08-23	5010	x							1		1		1
Phase 1	C3.2	3103	OBS	3	Care Team Station	monitor physiological telemetry	central station Xhibit XC48		2022-04-21	2035.15		x					x		1	1		1

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Phase 1	C3.2	3103	OBS	3	Care Team Station	bracket	under counter	zero client	2022-07-14			x				x			1	1		1
Phase 1	C3.2	3103	OBS	3	Care Team Station	system display repeater	physiological	42" ceiling mount	2022-11-22	2035		x					x		1	1		1
Phase 1	C3.2	3103	OBS	3	Care Team Station	bracket	television / physiological	ceiling mount	2022-04-21	1013		x					x		1	1		1
Phase 1	C3.2	3103	OBS	3	Care Team Station	diagnostic set	oto, ophth, spec	mobile	2022-04-21	1098.5		x				x			1	1		1
Phase 1	C3.2	3103	OBS	3	Care Team Station															0		0
Phase 1	C3.2.1	3103	OBS	3	Alcove Pneumatic Tube Station	cart	lakeside		2021-05-20	1020										0		0
Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small	computer terminal	pc		2021-06-29	6001	p/h				x					0	3	3
Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small	whiteboard	magnetic	2x3	2022-06-17	1090										0		0
Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small	chair	task	60%	2022-06-17											0		0

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Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small	table	oval		2022-06-17	5019.1										0		0
Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small	container	garbage	medium	2022-06-17	1035										0		0
Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small	container	recycling	large	2022-06-17	1037										0		0
Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small	printer	mfd		2021-06-29	6004					x					0		0
Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small	printer	laser		2022-02-24	6004					x					0		0
Phase 1	C3.2.2	3103.02	OBS	3	Workroom Care Team Small															0		0
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	computer terminal	pc		2021-06-29	6001		x			x				1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	whiteboard	magnetic	2x3	2021-06-29	1090		x	x						1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	chair	task	60%	2022-03-23	5006.12		x					x		1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	container	garbage	medium	2021-06-29	1035		x		x					1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	container	recycling	large	2021-06-29	1037		x		x					1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner															0		0
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	computer terminal	pc		2021-06-29	6001		x			x				1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	whiteboard	magnetic	2x3	2021-06-29	1090		x	x						1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	chair	task	60%	2022-03-23	5006.12		x					x		1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	container	garbage	medium	2021-06-29	1035		x		x					1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner	container	recycling	large	2021-06-29	1037		x		x					1	1		1
Phase 1	C3.2.3	3103.01	OBS	3	Workstation Learner															0		0

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Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	glucometer			2020-03-19	2061		x				x			3	3		3
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	dispenser	wipe	disinfectant	2022-09-22	1024.1		x	x						1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	medication management system		1 tower, 2 cells, seismic restraint required	2022-07-19	1072.1	x					x		1		1	1	2
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	refrigerator	vaccine	lockable - Omnicell compatible - internal alarm and to BMS needs freezer for 2 maternity meds - see below	2022-03-11	1077.43		x	x						1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	freezer	under counter	small pharmacy grade for 2 maternity meds	2022-06-30	1354.1		x	x						1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	refrigerator	domestic	Danby Designer model: 19.5"D x 32"H x 18.5"W infrastructure for future fridge to alarm to BMS fridge w/freezer- for breastmilk (specific to SRMCs)- no fridge required for food	2022-04-08	1076	x							1		1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	container	recycling	large	2020-03-19	1037		x		x					1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1

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Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	bin system		1 x HSC3661LP louvered panel 3 x H1236BSK 12 x 36 basket 3 x H1836BSK 18 x 36 basket Dividers TBD 2 x HSC3619LP louvered panel 4 x H1236BSK 12 x 36 baskets dividers TBD	2022-07-18	1011		x		x					3	3		3
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	computer terminal	pc	single monitor	2020-03-19	6001		x			x				1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	cart	wire	mobile with baskets/cubbies for IV bags	2022-03-23	1210.14		x		x					1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	container	pharmaceutical waste	3.8l (IH# 1056776) - order wall mount bracket (IH# 1056775)	2022-07-08	1341.4 / 1341.6	x							1		1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	diagnostic set	mobile oto & ophth	mobile stand 111-7670-06P oto/ophth - TBD	2023-01-11	1098.5		x				x			1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	whiteboard	magnetic	2x3	2022-06-14	1090		x	x						2	2		2
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	ultrasound	mobile	relocated Logic E R8 - store in locked room	2022-02-28	3005.8	x					x		1		1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	warmer	milk		2022-06-28	1357										0		0
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	system display repeater	physiological	22" wall mount	2022-11-22	2035		x					x		1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity	bracket	television / physiological	wall mount tilt	2023-01-10	1013.25		x					x		1	1		1
Phase 1	C3.3	3219	OBS	3	Medication Room Maternity																0		0
Phase 1	C3.4	3COR08.03	OBS	3	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C3.4	3COR08.03	OBS	3	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C3.4	3COR08.03	OBS	3	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

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Phase 1	C3.5	3214	OBS	3	Workstation Touchdown Small	computer terminal	pc	will need microphone for dr dictation	2021-06-29	6001		x			x				1	1		1
Phase 1	C3.5	3214	OBS	3	Workstation Touchdown Small	whiteboard	magnetic	2x3	2021-06-29	1090		x	x						1	1		1
Phase 1	C3.5	3214	OBS	3	Workstation Touchdown Small	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	C3.5	3214	OBS	3	Workstation Touchdown Small	container	garbage	medium	2021-06-29	1035		x		x					1	1		1
Phase 1	C3.5	3214	OBS	3	Workstation Touchdown Small	container	recycling	large	2021-06-29	1037		x		x					1	1		1
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	printer	mfd		2022-03-02	6004.3c	x				x			1		1		1
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	cabinet	filing		2021-05-20	5010		x		x					1	1		1
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	bin	recycling	confidential	2022-04-27	1222.1	x							2		2		2
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	electronic display monitor	Meditech tracker	47" ceiling mount	2022-11-22	6002		x			x				2	2	2	4
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	cable	coaxial	6' w/ screw on connector	2022-11-22	6002		x	x						2	2	2	4
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	bracket	Meditech tracker	ceiling mount	2022-11-22	1013.3		x			x				2	2	2	4
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	computer terminal	zero client		2022-07-07	6000		x			x				2	2		2
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine	bracket	computer	zero client	2022-06-28	7061.3		x	x		x				1	1		1
Phase 1	C3.6	3103	OBS	3	Workroom Business Machine															0		0
	Unit Support Area																					
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	bin system			2021-08-20	1011		x		x						0		0
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	warmer	infant		2022-06-21	2076.2	x					x		2		2		2
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	warmer	infant		2022-01-25	2076.2	x	x				x		2	2	4		4
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	container	garbage	medium	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	pump	epidural pain		2022-02-25	1181.1		x				x			1	1		1

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Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	pole	iv		2021-08-23	1070	x							5		5		5
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	incubator	infant	Draegar Caleo	2021-10-01	1167.3	x					x		3		3		3
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	ventilator	infant	biomed asset #1008254 Draeger Babylog 8000 Plus	2021-12-06	2056.4	x					x		1		1		1
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	commode	bariatric		2021-10-19	1270.5	x							2		2		2
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	chair commode	shower	3 in 1 (shower, commode and hygiene)	2021-10-19	1340		x		x					2	2		2
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	light	phototherapy	Natus Neoblue - biomed asset# 1033316 & 1039333	2021-10-19	1176	x							2		2		2
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	light	phototherapy	biomed asset# 1015592	2021-10-19	1176	x							1		1		1
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	cart	supply	Polymer (MY2636)	2021-10-19	1027.7	x							1		1		1
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	bassinet			2022-02-25	1174.5	x							4		4		4
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	stool	task		2022-02-25	5003.3		x				x			2	2		2
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	cart	case		2022-04-08	4004.8		x		x					2	2		2
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	cart	wire	36"W x 60"H x 18"D	2022-02-08	1210		x		x					1	1		1
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	sphygmomanometer	mobile		2022-07-14	1193.1	x					x		2				
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	pump	breast		2022-06-14	1182.1	x	x						2	2	4		4
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment	warmer	milk	Medela	2022-06-21	1357	x	x				x		1	1	2		2
Phase 1	C4.1	3204	OBS	3	Storage Room Equipment															0		0

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Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large	bin system		8 x HSC3661LP 36 x 61 louvered panel 24 x H1236BSK 12 x 36 basket (confirm qty will fit) 24 x 42 x H1836BSK 18 x 36 basket (confirm qty will fit) dividers TBD	2022-09-15	1011		x		x					8	8		8
Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large	container	recycling	medium	2020-03-19	1037		x		x					1	1		1
Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large	cart	wire	with adjustable shelving and plexi glass on top shelf for dust 60"W x 18"D x 60"H - these have been measured and will fit in space	2022-09-15	1210.14		x		x					2	2		2
Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large	cart	wire	24" x 24" macerator supplies	2022-09-15	1210		x		x					1	1		1
Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large	whiteboard	magnetic	1x2	2021-11-30	1090		x	x						1	1		1
Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large	cart	case		2022-06-17	4004.8										0		0
Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large	cart	procedure	neonatal	2022-09-15	1145.3		x		x					1	1		1
Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large	cart	procedure	PPH	2022-09-15	1145.3		x		x					1	1		1
Phase 1	C4.2	3224	OBS	3	Utility Room Clean Large															0		0
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	refrigerator	small		2022-02-22	1076	x							1		1		1
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	pump	Saf-T		2021-05-20	2101		x					x		1	1		1
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	macerator	large		2022-03-10	1063.2		x	x						1	1		1
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	dispenser	paper towel		2021-06-18	1044		x	x						2	2		2

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Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	dispenser	soap		2021-06-18	1045		x	x						2	2		2
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	container	garbage	medium	2021-10-18	1035	x	x		x				1	1	2		2
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	container	biohazard	23 litre/6 gallon cytotoxic (red)	2022-05-10	1005.2		x		x					1	1		1
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	cart	wire	24" x 24" macerator supplies	2022-05-06	1210										0		0
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	cart	utility	for mdr	2022-02-03	1027		x		x					1	1		1
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	microscope	Photozoom	Bausch & Lomb	2022-05-07	2033	x					x		1		1		1
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	analyzer	urine		2022-06-28	1389.1						x				0	1	1
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled	refrigerator	full size		2022-07-11	1076	x			x				1		1		1
Phase 1	C4.3	3230	OBS	3	Utility Room Soiled									x						0		0
Phase 1	C4.4	3111	OBS	3	Holding Room Soiled	bin	garbage		2022-06-30	1007.9		x		x					1	1		1
Phase 1	C4.4	3111	OBS	3	Holding Room Soiled	bin	linen	soiled	2022-06-28	1008.4		x		x					1	1		1
Phase 1	C4.4	3111	OBS	3	Holding Room Soiled	bin	recycling		2022-06-30	1009.3		x		x					1	1		1
Phase 1	C4.4	3111	OBS	3	Holding Room Soiled									x						0		0
Phase 1	C4.5	3236	OBS	3	Housekeeping Room	vacuum	housekeeping		2022-03-28	1337.3		x		x					1	1		1
Phase 1	C4.5	3236	OBS	3	Housekeeping Room	cart	wire	mobile 24"D x 48"Wx 74"H	2022-02-03	1210.1		x		x					1	1		1
Phase 1	C4.5	3236	OBS	3	Housekeeping Room	ladder	4'	wall mounted	2022-02-25	1059.3		x		x					1	1		1
Phase 1	C4.5	3236	OBS	3	Housekeeping Room	cart	housekeeping		2022-02-28	1018.2		x		x					1	1		1
Phase 1	C4.5	3236	OBS	3	Housekeeping Room	dispenser	detergent		2022-03-03	1041.2		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C4.5	3236	OBS	3	Housekeeping Room	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C4.5	3236	OBS	3	Housekeeping Room	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C4.5	3236	OBS	3	Housekeeping Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C4.5	3236	OBS	3	Housekeeping Room															0		0
Phase 1	C4.6		OBS	3	Food Servery	toaster	commercial	once determined, confirm voltage requirements with DB	2021-05-19	1086										0		0
Phase 1	C4.6		OBS	3	Food Servery	coffee machine		with hot water	2021-05-19	1033										0		0
Phase 1	C4.6		OBS	3	Food Servery	machine	ice	countertop	2021-05-19	1056.4										0		0
Phase 1	C4.6		OBS	3	Food Servery	microwave	commercial		2021-05-19	1066										0		0
Phase 1	C4.6		OBS	3	Food Servery	refrigerator	commercial		2021-05-19	1302										0		0
Phase 1	C4.6		OBS	3	Food Servery	freezer	commercial	alarm to bms	2021-05-19	1195										0		0
Phase 1	C4.6		OBS	3	Food Servery	container	garbage	large	2021-05-19	1035.1										0		0
Phase 1	C4.6		OBS	3	Food Servery	dispenser	soap		2021-05-19	1045										0		0
Phase 1	C4.6		OBS	3	Food Servery	dispenser	paper towel		2021-05-19	1044										0		0
Phase 1	C4.6		OBS	3	Food Servery	blender			2021-05-19	1237.2										0		0
Phase 1	C4.6		OBS	3	Food Servery	kitchenware	pot pan		2021-05-19	1334										0		0
Phase 1	C4.6		OBS	3	Food Servery	cart	hot cold		2021-05-19	1339										0		0
Phase 1	C4.6		OBS	3	Food Servery	cart	lakeside	dirty return	2021-05-19	1020.4										0		0
Phase 1	C4.6		OBS	3	Food Servery	cart	lakeside	delivery	2021-05-19	1020.4										0		0
Phase 1	C4.6		OBS	3	Food Servery	oven	combi		2021-05-19	1338										0		0
Phase 1	C4.6		OBS	3	Food Servery	cabinet	storage food		2021-05-19	1342										0		0
Phase 1	C4.6		OBS	3	Food Servery	range	induction		2021-05-19	1298										0		0

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Phase 1	C4.7	3213	OBS	3	Breastfeeding Equipment Cleaning Station	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C4.7	3213	OBS	3	Breastfeeding Equipment Cleaning Station	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C4.7	3213	OBS	3	Breastfeeding Equipment Cleaning Station	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 1	C4.7	3213	OBS	3	Breastfeeding Equipment Cleaning Station	container	garbage	medium	2022-03-23	1035		x		x					1	1		1
Phase 1	C4.7	3213	OBS	3	Breastfeeding Equipment Cleaning Station															0		0
Phase 1	C4.8	3COR08.01	OBS	3	Alcove Blanket Warmer	cabinet	warming		2022-07-14	1088.5										0		0
Phase 1	C4.8	3COR08.01	OBS	3	Alcove Blanket Warmer	cart	procedure	dressings and everyday	2022-07-15	1145.3		x		x					1	1		1
Phase 1	C4.8	3COR08.01	OBS	3	Alcove Blanket Warmer	holder	apron	lead	2022-07-19	1053		x	x						1	1		1
Phase 1	C4.8	3COR08.03	OBS	3	Alcove Blanket Warmer	cabinet	warming		2022-07-14	1088		x		x					1	1		1
Phase 1	C.4.9	3COR08.01	OBS	3	Alcove Linen Cart	cart	linen		2022-07-14	1021.9										0		0
Phase 1	C.4.9	3COR08.01	OBS	3	Alcove Linen Cart	cart	procedure	neonatal	2022-07-15	1053.14		x	x						1	1		1
Phase 1	C.4.9	3COR08.02	OBS	3	Alcove Linen Cart	cart	linen		2021-11-18	1021.9	x							1		1	1	2
Phase 1	C.4.9	3COR12.01	OBS	3	Alcove Linen Cart	cart	linen		2022-07-04	1021.9		x		x					1	1		1
Phase 1	C.4.9	3COR12.01	OBS	3	Alcove Linen Cart	cabinet	warming		2022-06-23	1088		x		x					1	1		1
Phase 1	C4.10	3COR08.03	OBS	3	Alcove Crash Cart	cart	crash	defibrillator and portable suction	2022-04-26	2009.5		x				x			1	1		1
Phase 1	C4.10	3COR08.03	OBS	3	Alcove Crash Cart	defibrillator		crash cart	2020-03-19	2020		x				x			1	1		1
Phase 1	C4.10	3COR08.03	OBS	3	Alcove Crash Cart	suction machine	portable	crash cart	2021-04-14	2052		x				x			1	1		1
Phase 1	C4.11	3205	OBS	3	Alcove Food Cart	cart	dietary	millwork/cart enclosure is continued from nourishment alcove	2022-03-03	1300.1		x							1	1		1

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Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	toaster	commercial	medium duty, voltage requirements confirmed as 120v	2021-09-14	1086.4		x		x					1	1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	coffee machine			2022-02-17	1033.6		x		x					1	1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	machine	ice	countertop	2022-02-16	1056.4		x		x					1	1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	microwave	commercial		2021-05-20	1066		x		x					1	1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	refrigerator	domestic	full size with top freezer	2022-07-11	1076	x			x				1		1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	container	recycling		2021-09-21	1037		x	x						1	1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C4.12	3205	OBS	3	Alcove Nourishment															0		0
Phase 1	C4.13	3238	OBS	3	Alcove Wheelchair Stretcher	stretcher			2020-03-19	1081				x						0	1	1
Phase 1	C4.13	3238	OBS	3	Alcove Wheelchair Stretcher	wheelchair	standard		2020-03-19	1089				x						0	1	1
Phase 1	C4.14	3201	OBS	3	Isolette Cleaning Room	dispenser	paper towel		2022-05-06	1044		x	x						2	2		2
Phase 1	C4.14	3201	OBS	3	Isolette Cleaning Room	dispenser	soap		2022-05-06	1045		x	x						2	2		2
Phase 1	C4.14	3201	OBS	3	Isolette Cleaning Room	container	garbage	medium	2022-06-22	1035		x		x					2	2		2
Phase 1	C4.14	3201	OBS	3	Isolette Cleaning Room															0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C4.15	3216.02	OBS	3	Multipurpose Room Family	sofa	sleeper	new room just added	2022-07-19	5012.9		x					x		1	1		1
Phase 1	C4.15	3216.02	OBS	3	Multipurpose Room Family	chair	guest		2023-01-11	5007		x							2	2		2
Phase 1	C4.15	3216.02	OBS	3	Multipurpose Room Family	container	garbage		2023-01-11	1035.1		x		x					1	1		1
Phase 1	C4.15	3216.02	OBS	3	Multipurpose Room Family	dispenser	waterless	hand wash	2023-01-11	1048		x	x						1	1		1
Phase 1	C4.15	3216.02	OBS	3	Multipurpose Room Family															0		0
	Staff Amenity Area																					
Phase 1	C5.1	3240	OBS	3	Lounge Staff	television	entertainment	staff 43"	2022-11-22	6006		x		x					1	1		1
Phase 1	C5.1	3240	OBS	3	Lounge Staff	bracket	television	wall mount tilt	2022-11-22	1013.25		x	x						1	1		1
Phase 1	C5.1	3240	OBS	3	Lounge Staff	dispenser	paper towel		2022-05-06	1044										0		0
Phase 1	C5.1	3240	OBS	3	Lounge Staff	dispenser	soap		2022-05-06	1045										0		0
Phase 1	C5.1	3240	OBS	3	Lounge Staff	container	garbage	medium	2022-05-06	1035										0		0
Phase 1	C5.1	3240	OBS	3	Lounge Staff	container	recycling	large	2020-03-19	1037		x		x					1	1		1
Phase 1	C5.1	3240	OBS	3	Lounge Staff	whiteboard	magnetic	2x3	2020-03-19	1090		x	x						1	1		1
Phase 1	C5.1	3240	OBS	3	Lounge Staff	bookcase	tall		2022-03-23	5001.4										0		0
Phase 1	C5.1	3240	OBS	3	Lounge Staff	chair	healthcare seating	lounge	2021-10-19	5004		x					x		3	3		3
Phase 1	C5.1	3240	OBS	3	Lounge Staff	chair	visitor		2021-10-19	5007		x					x		6	6		6
Phase 1	C5.1	3240	OBS	3	Lounge Staff	table	end		2020-03-19	5017		x					x		1	1		1
Phase 1	C5.1	3240	OBS	3	Lounge Staff	table	rectangular	seats 6	2022-02-25	5018		x					x		1	1		1
Phase 1	C5.1	3240	OBS	3	Lounge Staff	refrigerator	domestic	full size with freezer	2021-05-20	1076		x							1	1		1
Phase 1	C5.1	3240	OBS	3	Lounge Staff	dishwasher		dishwashers LEED requirements are: • residential (standard and compact): ENERGY STAR • under counter: ≤ 6.0 liters/rack • stationary, single tank, door: ≤ 5.3 liters/rack • single tank, conveyor: ≤ 3.8 liters/rack • multiple tank, conveyor: ≤ 3.4 liters/rack • flight machine: ≤ 680 liters/hour	2020-03-19	1039		x		x					1	1		1

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Phase 1	C5.1	3240	OBS	3	Lounge Staff	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-03-23	1036										0		0
Phase 1	C5.1	3240	OBS	3	Lounge Staff	microwave			2022-02-08	1066		x		x				1		1		1
Phase 1	C5.1	3240	OBS	3	Lounge Staff															0		0
Phase 1	C5.1.1	3239	OBS	3	Lockers Staff	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 1	C5.1.1	3239	OBS	3	Lockers Staff															0		0
Phase 1	C5.2	3240	OBS	3	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C5.2	3240	OBS	3	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C5.2	3240	OBS	3	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	video conferencing	system		2022-03-02	6007.16		x					x		1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	television	video conference	75" wall mount	2022-03-02	6007.16		x					x		1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	bracket	television / video conference	wall mount tilt	2022-02-24	6007		x					x		1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	video conferencing	misc cords, cables microphone, camera, repeater, etc.		2022-03-02	6007.18		x					x		1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	computer terminal	pc	wireless keyboard and mouse	2022-09-22						x					0		0
Phase 1	C5.3	3247	OBS	3	Meeting Room	table	conference	oval	2022-06-15	5018		x					x		1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	chair	conference	Silq	2021-05-20	5021.9		x					x		8	8		8
Phase 1	C5.3	3247	OBS	3	Meeting Room	whiteboard	magnetic	4x6	2020-03-19	1090		x	x						1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	container	garbage	medium	2022-03-23	1035.1		x		x					2	2		2

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Phase 1	C5.3	3247	OBS	3	Meeting Room	container	recycling	medium	2022-03-23	1037		x		x					1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	flowmeter	medical air		2022-02-08	1049		x		x					2	2		2
Phase 1	C5.3	3247	OBS	3	Meeting Room	flowmeter	oxygen		2022-02-08	1051		x		x					2	2		2
Phase 1	C5.3	3247	OBS	3	Meeting Room	regulator	vacuum	add nipple	2022-06-30	1079		x		x					2	2		2
Phase 1	C5.3	3247	OBS	3	Meeting Room	equipment rail	3' horizontal mount		2023-01-11	2022		x	x						1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room	canister	suction	add liner / tubing	2022-09-22	1052		x	x						2	2		2
Phase 1	C5.3	3247	OBS	3	Meeting Room	basket			2022-07-14	2006.3		x		x					2	2		2
Phase 1	C5.3	3247	OBS	3	Meeting Room	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	C5.3	3247	OBS	3	Meeting Room															0		0
Phase 1	C5.4	3234	OBS	3	Office Private	computer terminal	pc		2020-03-19	6001	x				x			1		1		1
Phase 1	C5.4	3234	OBS	3	Office Private	whiteboard	magnetic	2x3	2020-03-19	1090		x	x						1	1		1
Phase 1	C5.4	3234	OBS	3	Office Private	bookcase	tall		2022-02.03	5001.4		x					x		1	1		1
Phase 1	C5.4	3234	OBS	3	Office Private	chair	task	80%	2020-03-19	5006.12		x					x		1	1		1
Phase 1	C5.4	3234	OBS	3	Office Private	chair	visitor		2020-03-19	5007		x					x		2	2		2
Phase 1	C5.4	3234	OBS	3	Office Private	workstation	height adjustable		2022-04-25	4025		x					x		1	1		1
Phase 1	C5.4	3234	OBS	3	Office Private	cabinet	filing	lateral 4 drawer	2020-03-19	5010		x					x		1	1		1
Phase 1	C5.4	3234	OBS	3	Office Private	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	C5.4	3234	OBS	3	Office Private	container	recycling	large	2020-03-19	1037		x		x					1	1		1
Phase 1	C5.4	3234	OBS	3	Office Private	table	round		2020-03-19	5019		x					x		1	1		1
Phase 1	C5.4	3234	OBS	3	Office Private															0		0
Phase 1	C5.5	3233	OBS	3	Office Shared	computer terminal	pc		2020-03-19	6001	x				x			2		2		2
Phase 1	C5.5	3233	OBS	3	Office Shared	whiteboard	magnetic	2x3	2020-03-19	1090		x	x						1	1		1
Phase 1	C5.5	3233	OBS	3	Office Shared	bookcase	tall		2022-02.03	5001.4		x					x		1	1		1
Phase 1	C5.5	3233	OBS	3	Office Shared	chair	task	80%	2020-03-19	5006.12		x					x		2	2		2
Phase 1	C5.5	3233	OBS	3	Office Shared	chair	visitor		2020-03-19	5007		x					x		1	1		1
Phase 1	C5.5	3233	OBS	3	Office Shared	workstation	height adjustable		2022-04-25	4025		x					x		2	2		2
Phase 1	C5.5	3233	OBS	3	Office Shared	cabinet	filing	vertical 4 drawer	2022-03-08	5010	x							1		1		1
Phase 1	C5.5	3233	OBS	3	Office Shared	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	C5.5	3233	OBS	3	Office Shared	container	recycling	large	2020-03-19	1037		x		x					1	1		1
Phase 1	C5.5	3233	OBS	3	Office Shared															0		0
Phase 1	C5.6	3245	OBS	3	On Call Room	bed	single	frame, mattress	2021-05-20	1002		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	C5.6	3245	OBS	3	On Call Room	chair	lounge	recliner	2022-02-15	1261		x					x		1	1		1
Phase 1	C5.6	3245	OBS	3	On Call Room	workstation	office	small	2020-03-19	5020		x					x		1	1		1
Phase 1	C5.6	3245	OBS	3	On Call Room	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	C5.6	3245	OBS	3	On Call Room	lamp	table		2021-05-20	1289		x		x					1	1		1
Phase 1	C5.6	3245	OBS	3	On Call Room	table	end		2020-03-19	5017		x					x		1	1		1
Phase 1	C5.6	3245	OBS	3	On Call Room	refrigerator	small	bar size	2022-02-15	1076		x		x					1	1		1
Phase 1	C5.6	3245	OBS	3	On Call Room	cabinet	bedside	patient storage	2020-03-23	5002		x		x					1	1		1
Phase 1	C5.6	3244	OBS	3	On Call Room	bed	single	frame, mattress	2021-05-20	1002		x		x					1	1		1
Phase 1	C5.6	3244	OBS	3	On Call Room	chair	task	60%	2022-02-25	5006.12		x					x		1	1		1
Phase 1	C5.6	3244	OBS	3	On Call Room	workstation	office		2020-03-18	5020		x					x		1	1		1
Phase 1	C5.6	3244	OBS	3	On Call Room	lamp	table		2021-05-20	1289		x		x					1	1		1
Phase 1	C5.6	3245	OBS	3	On Call Room	table	end		2020-03-19	5017		x					x		1	1		1
Phase 1	C5.6	3245	OBS	3	On Call Room	refrigerator	small	bar size	2022-02-15	1076		x		x					1	1		1
Phase 1	C5.6	3244	OBS	3	On Call Room	cabinet	bedside	patient storage	2022-03-28	5002		x					x		1	1		1
Phase 1	C5.7	3243	OBS	3	Washroom Shower Staff	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C5.7	3243	OBS	3	Washroom Shower Staff	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C5.7	3243	OBS	3	Washroom Shower Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	C5.8	3202	OBS	3	Washroom Staff	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	C5.8	3202	OBS	3	Washroom Staff	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	C5.8	3202	OBS	3	Washroom Staff	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	C5.8	3202	OBS	3	Washroom Staff	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	C5.8	3202	OBS	3	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Corridors, Maternity - Level 3 OBS																					
Phase 1	301-C	3COR07	IPU	3	Corridor, Inpatient	system display repeater	physiological	42" ceiling mount	2022-11-22	2035		x					x		1	1		1
Phase 1	301-C	3COR07	IPU	3	Corridor, Inpatient	bracket	television / physiological	ceiling mount	2022-11-22	1013		x					x		1	1		1
Phase 1	301-C	3COR07	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR07	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1

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Phase 1	301-C	3COR07	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR07	IPU	3	Corridor, Inpatient	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	301-C	3COR07	IPU	3	Corridor, Inpatient	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	303-C	3COR08	OBS	3	Corridor, Maternity	system display repeater	physiological	42" ceiling mount	2022-11-22	2035		x					x		1	1		1
Phase 1	303-C	3COR08	OBS	3	Corridor, Maternity	bracket	television / physiological	ceiling mount	2022-11-22	1013		x					x		1	1		1
Phase 1	303-C	3COR08	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR08	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR08	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR08	OBS	3	Corridor, Maternity	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	303-C	3COR08	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR08	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	system display repeater	physiological	42" ceiling mount	2022-11-22	2035		x					x		1	1		1
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	bracket	television / physiological	ceiling mount	2022-04-21	1013		x					x		4	4		4
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	dispenser	wipe	disinfectant	2022-07-12	1024.1		x	x						1	1		1

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Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR11	OBS	3	Corridor, Maternity	whiteboard	magnetic	3x4	2022-09-28	1090		x	x						1	1		1
Phase 1	303-C	3COR12	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR12	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR12	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR13	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR13	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
Phase 1	303-C	3COR13	OBS	3	Corridor, Maternity	dispenser	waterless	hand wash	2023-01-06	1048		x	x						1	1		1
	D - Pharmacy																					
	D1 Unit Entrance Counselling Area																					
Phase 1	D1.1	0108	Pharm	0	Waiting Room Small	chair	waiting		2022-03-23	5007		x					x		3	3		3
Phase 1	D1.1	0108	Pharm	0	Waiting Room Small	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	D1.1	0108	Pharm	0	Waiting Room Small	dispenser	waterless	hand wash	2022-10-07	1048		x	x						2	2		1
Phase 1	D1.1	0108	Pharm	0	Waiting Room Small	dispenser	paper towel		2022-06-15	1044			x							0		1
Phase 1	D1.1	0108	Pharm	0	Waiting Room Small	dispenser	soap		2022-06-15	1045			x							1		1
Phase 1	D1.1	0108	Pharm	0	Waiting Room Small	whiteboard	magnetic	2x3	2022-04-29	1090		x	x						1	1		1
Phase 1	D1.1	0108	Pharm	0	Waiting Room Small															0		0

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Phase 1	D1.2	0204	Pharm	0	Reception Desk	container	garbage	medium	2021-07-21	1035		x		x					1	1		1
Phase 1	D1.2	0204	Pharm	0	Reception Desk	computer terminal	pc		2021-07-21	6001		x			x					0	1	1
Phase 1	D1.2	0204	Pharm	0	Reception Desk	whiteboard	magnetic	2x3	2020-03-19	1090		x	x						1	1		1
Phase 1	D1.2	0204	Pharm	0	Reception Desk															0		0
Phase 1	D1.3	0COR12.02	Pharm	0	Alcove Medication Storage	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D1.3	0COR12.02	Pharm	0	Alcove Medication Storage				2020-03-19											0		0
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	computer terminal	DH to advise	swivel monitor stand- ability to turn monitor and face client	2022-04-29	6001	x				x			1		1	0	1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	television	telehealth	43" wall mount	2022-02-09	6006		p/h								0	1	1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	bracket	television / telehealth	wall mount tilt	2022-02-09	1013.25		p/h			x					0	1	1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	printer	laser		2022-03-02	6004.6	x				x			1		1		1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	container	garbage	medium	2021-07-21	1035		x		x					1	1		1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	table	round		2021-09-27	5019		x					x		1	1		1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	whiteboard	magnetic	2x3	2021-07-26	5019	x							1		1		1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	workstation	height adjustable		2022-06-28	4025		x					x		1	1		1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	chair	task	80%	2022-03-21	5006.12		x					x		1	1		1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	chair	visitor		2021-09-27	5007		x					x		4	4		4

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Phase 1	D1.4	0108.01	Pharm	0	Counselling Room	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	D1.4	0108.01	Pharm	0	Counselling Room															0		0
	D2 Receiving Area																					
Phase 1	D2.1	0106	Pharm	0	Breakout Room	bin	garbage	large on wheels	2022-02-10	1007		x		x					1	1		1
Phase 1	D2.1	0106	Pharm	0	Breakout Room	bin	recycling	utility truck 48.2"L x 34.1"W x 37.9"H	2022-09-23	1009.2		x		x					1	1		1
Phase 1	D2.1	0106	Pharm	0	Breakout Room	dispenser	paper towel		2021-09-20	1044		x	x						1	1		1
Phase 1	D2.1	0106	Pharm	0	Breakout Room	dispenser	soap		2021-09-20	1045		x	x						1	1		1
Phase 1	D2.1	0106	Pharm	0	Breakout Room	dispenser	glove	quad universal	2022-04-29	1042.6		x	x						1	1		1
Phase 1	D2.1	0106	Pharm	0	Breakout Room	container	garbage	medium	2022-06-15	1035				x						0		0
Phase 1	D2.1	0106	Pharm	0	Breakout Room	container	recycling		2022-06-15	1037										0		0
Phase 1	D2.1	0106	Pharm	0	Breakout Room	whiteboard	magnetic	2x3	2022-04-29	1090		x	x						1	1		1
Phase 1	D2.1	0106	Pharm	0	Breakout Room	container	biohazard		2022-04-29	1005.7	x							5		5		5
Phase 1	D2.1	0106	Pharm	0	Breakout Room															0		0

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Phase 1	D2.1.1	0207.01	Pharm	0	Alcove File Storage	shelving	metal		2021-11-24		x									0		0
Phase 1	D2.1.1	0207.01	Pharm	0	Alcove File Storage															0		0
Phase 1	D2.2	0207	Pharm	0	Receiving Room	computer terminal	pc		2022-02-10	6001		x			x				1	1		1
Phase 1	D2.2	0207	Pharm	0	Receiving Room	dispenser	waterless	hand wash	2021-07-21	1048		x	x						1	1		1
Phase 1	D2.2	0207	Pharm	0	Receiving Room	dispenser	glove	quad universal	2022-04-29	1042.6		x	x						1	1		1
Phase 1	D2.2	0207	Pharm	0	Receiving Room	whiteboard	magnetic	2x3	2022-04-29	1090	x							1		1		1
Phase 1	D2.2	0207	Pharm	0	Receiving Room	container	garbage	large	2021-07-21	1007		x		x					1	1		1
Phase 1	D2.2	0207	Pharm	0	Receiving Room	container	recycling	large	2021-07-27	1009	x							1		1		1
Phase 1	D2.2	0207	Pharm	0	Receiving Room	bin	recycling	confidential	2022-02-09	1222										0		0
Phase 1	D2.2	0207	Pharm	0	Receiving Room	cart	wire	for extra IV supplies, with blue bins	2021-09-23	1210	x								1	1		1
Phase 1	D2.2	0207	Pharm	0	Receiving Room															0		0
Phase 1	D2.3	0106.01	Pharm	0	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	D2.3	0106.01	Pharm	0	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	D2.3	0106.01	Pharm	0	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D2.3	0106.01	Pharm	0	Alcove Hand Hygiene Sink	dispenser	Manorapid		2022-06-15	1030.1		x	x						1	1		1
	D3 Pharmacy Prep Area																					
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	workstation	height adjustable		2021-09-24	4025		x					x		1	1		1

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Phase 1	D3.1	0206	Pharm	0	Order Entry Area	pedestal	mobile		2021-09-21	5000		x					x		1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	chair	task	80%	2021-07-26	5006	x							1		1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	garbage	medium	2022-06-08	1035		x		x					1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	recycling	medium	2022-06-08	1037		x		x					1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	computer terminal	pc		2021-06-08	6001		x			x				1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	printer	label	Dymo	2021-07-26	6011	x				x			1		1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	whiteboard	magnetic	2x3	2022-03-21	1090	x							1		1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area															0		0
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	workstation	height adjustable		2021-09-24	4025		x					x		1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	pedestal	mobile		2021-09-21	5000		x					x		1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	chair	task	80%	2021-06-08	5006	x							1		1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	garbage	medium	2021-06-08	1035		x		x					1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	recycling	medium	2021-06-08	1037		x		x					1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	keyboard tray			2021-10-25	5011										0		0
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	computer terminal	pc		2021-06-08	6001		x			x				1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	printer	label		2022-02-24	6011					x					0		0
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	whiteboard	magnetic	2x3	2022-04-29	1090										0		0
Phase 1	D3.1	0206	Pharm	0	Order Entry Area															0		0

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Phase 1	D3.1	0206	Pharm	0	Order Entry Area	workstation	height adjustable	CMHPHAC7	2021-09-24	4025		x					x		1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	pedestal	mobile		2021-09-21	5000		x					x		1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	chair	task	80%	2021-06-08	5006.12		x					x		1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	garbage	medium	2021-06-08	1035		x		x					1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	recycling	medium	2021-06-08	1037		x		x					1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	computer terminal	pc		2021-06-08	6001		x			x				1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	bin	recycling	confidential	2022-04-27	1222.1	x							1		1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	whiteboard	magnetic	2x3	2022-04-27	1090										0		0
Phase 1	D3.1	0206	Pharm	0	Order Entry Area															0		0
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	workstation	height adjustable		2022-02-16	4025									1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	pedestal	mobile		2021-09-21	5000		x					x		1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	chair	task	80%	2021-06-08	5006.12		x					x		1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	garbage	medium	2021-06-08	1035		x		x					1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	recycling	medium	2021-06-08	1037		x							1	1		1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	computer terminal	pc		2022-02-10	6001		x			x				1	1		1

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Phase 1	D3.1	0206	Pharm	0	Order Entry Area	whiteboard	magnetic	2x3	2022-04-27	1090										0		0
Phase 1	D3.1	0206	Pharm	0	Order Entry Area															0		0
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	workstation	height adjustable		2022-02-10	4025										0	1	1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	pedestal	mobile		2022-02-10	5000										0	1	1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	chair	task	80%	2022-02-10	5006.12		x								0	1	1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	garbage	medium	2022-02-10	1035										0	1	1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	container	recycling	medium	2022-02-10	1037										0	1	1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area	computer terminal	pc		2022-02-10	6001		p/h			x					0	1	1
Phase 1	D3.1	0206	Pharm	0	Order Entry Area															0		0
Phase 1	D3.1.1	0206.01	Pharm	0	Alcove Printer Fax	printer	mfd	counter top	2022-03-02	6004.4c	x				x			1		1		1
Phase 1	D3.1.1	0206.01	Pharm	0	Alcove Printer Fax	printer	label	zebra	2022-03-02	6011.4		x			x				1	1		1
Phase 1	D3.1.1	0206.01	Pharm	0	Alcove Printer Fax															0		0

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Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	printer	label		2022-03-02	6011.2	x				x			1		1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	computer terminal	pc	dual monitors	2021-09-20	6022		x			x				1	1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	stool	task		2022-02-25	5003.3		x					x		1	1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	whiteboard	magnetic	2x3	2021-06-17	1090	x							1		1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	container	recycling	medium	2022-06-09	1037	x			x					1	1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	refrigerator	vaccine	56 CU Helmer - full size no freezer Omnicell compatible for drugs, alarm to BMS and 3rd party alarm	2022-08-31	1077.49	x							1		1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	freezer	vaccine	small under counter	2022-02-23	1354	x		x					1		1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	cart	wire	2 - 18"D x 36"W x 60"H	2022-06-08	1210.14									2	2		2
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	cart	wire	3 - 18"D x 36"W x 60"H, 1 - 18"D x 48"W x 60"H with bins for meds	2022-06-08	1210.1		x		x					5	5		5
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	cart	wire	with bins for meds	2022-06-08	1210.16										0		0

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Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	bin system	mobile	1 cart - 36"W x 18"D x 60"H (3 bins 12" deep and 3 bins 18" deep) 2 carts- 48"W x 18"D x 60"H (3 bins 12" deep and 3 bins 18" deep)	2022-06-08	1011.19		x		x					3	3		3
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	cart	lakeside		2022-03-23	1020		x		x					1	1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	cart	supply	utility polymer	2022-06-09	1027.7	x							1		1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	cart	supply	Rubbermaid 16"d x 33"w x 30"h	2022-03-23	1027	x							1		1		1
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area	incubator			2022-06-22	7044.2										0		0
Phase 1	D3.2	0205	Pharm	0	Dispensing Storage Area															0		0
Phase 1	D3.2.1	0204.01	Pharm	0	Alcove Pneumatic Tube Station	cart	lakeside		2022-04-29	1020										0		0
Phase 1	D3.3	0COR11.01	Pharm	0	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	D3.3	0COR11.01	Pharm	0	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	D3.3	0COR11.01	Pharm	0	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D3.3	0COR11.01	Pharm	0	Alcove Hand Hygiene Sink	dispenser	glove	quad universal	2022-04-29	1042.6		x	x						1	1		1
Phase 1	D3.4	0204	Pharm	0	Workstation Production Support	packaging machine	unit dose	dimensions: 17"d x 16"h x 45"l	2021-09-13	2108	x					x		1		1		1
Phase 1	D3.4	0204	Pharm	0	Workstation Production Support	computer terminal	pc		2022-02-24	6001	x				x			1	0	1		1
Phase 1	D3.4	0204	Pharm	0	Workstation Production Support	stool	task	for seating while on computer	2022-02-25	5003.3		x		x					1	1		1
Phase 1	D3.4	0204	Pharm	0	Workstation Production Support	whiteboard	2x3	2x3	2022-02-09	1090		x	x						1	1		1

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Phase 1	D3.4	0204	Pharm	0	Workstation Production Support	incubator			2022-10-31	7044.2		x		x					1	1		1
Phase 1	D3.4	0204	Pharm	0	Workstation Production Support															0		0
Phase 1	D3.5	0204	Pharm	0	Compounding Area	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	D3.5	0204	Pharm	0	Compounding Area	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	D3.5	0204	Pharm	0	Compounding Area	dispenser	waterless	hand wash	2022-04-29	1048		x							1	1		1
Phase 1	D3.5	0204	Pharm	0	Compounding Area	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D3.5	0204	Pharm	0	Compounding Area	incubator			2022-10-31	7044.2				x					0	0		0
Phase 1	D3.5	0204	Pharm	0	Compounding Area															0		0
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	container	garbage	large	2022-04-29	1035.1		x		x					1	1		1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	refrigerator	vaccine	full size no freezer lockable alarm to BMS and 3rd party	2021-11-03	1077		x	x						1	1		1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	cart	lakeside	18 3/8"W x 30 3/4"L x 33"H	2021-05-20	1020.9		x		x					1	1		1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	medication management system		1 tower, 3 cells for narcotics - controlled substance manager/dispenser seismic restraint required	2022-07-19	1072.1		x				x			1	1		1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	computer terminal	pc	single monitor	2022-02-09	6001		p/h			x					0	1	1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	dispenser	paper towel		2021-09-20	1044		x	x						1	1		1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	dispenser	soap		2021-09-20	1045		x	x						1	1		1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances	whiteboard	magnetic	2x3	2022-02-09	1090		x	x						1	1		1
Phase 1	D3.6	0203	Pharm	0	Storage Room Controlled Substances															0		0
Phase 1	D3.7	0COR07.01	Pharm	0	Alcove File Storage Workstation	computer terminal	pc	single monitor	2021-09-15	6001		x			x				2	2		2
Phase 1	D3.7	0COR07.01	Pharm	0	Alcove File Storage Workstation	printer	label	zebra	2022-03-02	6011.4		x			x				1	1		1

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Phase 1	D3.7	0COR07.01	Pharm	0	Alcove File Storage Workstation	chair	task	millwork is desk height	2022-02-02	5006.12		x							2	2		2
Phase 1	D3.7	0COR07.01	Pharm	0	Alcove File Storage Workstation	printer	laser	Small hp 52645 receive PDF faxes on the computers per MJ	2022-03-02	6004.1c		x			x				1	1		1
Phase 1	D3.7	0COR07.01	Pharm	0	Alcove File Storage Workstation															0		0
	D4 IV and Chemo Prep Area																					
Phase 1	D4.1	0201	Pharm	0	IV Prep Room	rack	wire	for extra IV supplies, with blue bins	2021-09-23	1201	x							1		1		1
Phase 1	D4.1	0201	Pharm	0	IV Prep Room	cart	lakeside	oral chemo prep	2022-06-15	1020		x		x					6	6		6
Phase 1	D4.1	0201	Pharm	0	IV Prep Room	computer terminal	pc	single monitor only per GH	2021-12-09	6001		x			x				1	1		1
Phase 1	D4.1	0201	Pharm	0	IV Prep Room	printer	label	to right of computer on millwork	2022-03-02	6011.2	x				x			1		1		1
Phase 1	D4.1	0201	Pharm	0	IV Prep Room	hamper	linen	beside door to IV Prep	2022-03-23			x							1	1		1
Phase 1	D4.1	0201	Pharm	0	IV Prep Room	dispenser	Manorapid		2022-06-15	1030.1			x							0		0
Phase 1	D4.1	0201	Pharm	0	IV Prep Room															0		0
Phase 1	D4.2	0201	Pharm	0	Alcove Hand Hygiene Sink	dispenser	paper towel		2022-02-16	1044									0	0		0
Phase 1	D4.2	0201	Pharm	0	Alcove Hand Hygiene Sink	dispenser	soap		2022-02-16	1045									0	0		0
Phase 1	D4.2	0201	Pharm	0	Alcove Hand Hygiene Sink	container	garbage	large	2022-02-16	1035.1				x					0	0		0
Phase 1	D4.2	0201	Pharm	0	Alcove Hand Hygiene Sink	dispenser	glove	quad universal	2022-02-16										0	0		0
Phase 1	D4.3	0201.04	Pharm	0	Emergency Shower Eyewash															0		0
Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture	cart	lakeside		2021-10-27	1020		x		x					1	1		1

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Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture	fume hood	laminar	external dimensions: 16.8" x 31.3" x 44" without stand	2022-02-10	7052.4		x							1	1	1	2
Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture	bin	supply	akro for sterile gloves, dispensing pins, etc.	2022-03-23	1235.9	x							1		1		1
Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture	container	recycling	medium	2022-03-23	1037		x		x					1	1		1
Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture	container	garbage	medium	2022-03-23	1035		x							1	1		1
Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture	chair	task	60%	2022-06-15	5006		x						1	1	2	1	3
Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture	shaker	orbital	for shaking the vials of reconstituted meds - currently doing manually	2022-03-23	800.3		x							1	1		1
Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture	ladder	4'	wall mounted	2022-06-15	1059.3		x		x						0		0
Phase 1	D4.4	0201.02.01	Pharm	0	Sterile IV Admixture															0		0
Phase 1	D4.5	0201.02	Pharm	0	Anteroom Sterile IV Admixture	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	D4.5	0201.02	Pharm	0	Anteroom Sterile IV Admixture	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D4.5	0201.02	Pharm	0	Anteroom Sterile IV Admixture	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-03-23	1036		x		x					1	1		1
Phase 1	D4.5	0201.02	Pharm	0	Anteroom Sterile IV Admixture	dispenser	Manorapid	placed on lakeside cart	2022-06-15	1030.1			x							0		0

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Phase 1	D4.5	0201.02	Pharm	0	Anteroom Sterile IV Admixture	cart	lakeside		2022-06-20	1020				x						0		0
Phase 1	D4.5	0201.02	Pharm	0	Anteroom Sterile IV Admixture	bench	stainless steel	for donning and doffing PPE	2022-06-28	5034.10		x		x					1	1		1
Phase 1	D4.5	0201.02	Pharm	0	Anteroom Sterile IV Admixture															0		0
Phase 1	D4.6	0201.03	Pharm	0	Storage Room Hazardous Medication	bin system	mobile	3 carts - 36"W x 18"D x 60"H (3 bins 12" deep and 3 bins 18" deep)	2022-02-09	1011.19		x		x					3	3		3
Phase 1	D4.6	0201.03	Pharm	0	Storage Room Hazardous Medication	cart	lakeside		2022-02-10	1020		x		x					1	1		1
Phase 1	D4.6	0201.03	Pharm	0	Storage Room Hazardous Medication	refrigerator	vaccine	full size no freezer lockable Omnicell compatible - alarm to BMS and 3rd party	2022-02-23	1077	x							1		1		1
Phase 1	D4.6	0201.03	Pharm	0	Storage Room Hazardous Medication															0		0
Phase 1	D4.7	0201.01.01	Pharm	0	Sterile Chemo Prep	cabinet	biological safety		2022-04-29	7003.15		x		x					1	1	1	2
Phase 1	D4.7	0201.01.01	Pharm	0	Sterile Chemo Prep	chair	task	80% - placed between the 2 BSC's	2022-06-15	5006.12		x					x		1	1	1	2
Phase 1	D4.7	0201.01.01	Pharm	0	Sterile Chemo Prep	cart	lakeside		2021-07-21	1020		x		x					1	1		1
Phase 1	D4.7	0201.01.01	Pharm	0	Sterile Chemo Prep	container	garbage	medium	2022-03-23	1035		x		x					1	1		1
Phase 1	D4.7	0201.01.01	Pharm	0	Sterile Chemo Prep	rack	wire	for trays that need to be mixed, or after they are mixed	2022-02-10	1201	x							1		1		1
Phase 1	D4.7	0201.01.01	Pharm	0	Sterile Chemo Prep	kit	spill		2022-03-23	1153	x							1		1		1

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Phase 1	D4.7	0201.01.01	Pharm	0	Sterile Chemo Prep	ladder	4'	wall mounted	2022-06-15	1059.3										0		0
Phase 1	D4.7	0201.01.01	Pharm	0	Sterile Chemo Prep															0		0
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep	dispenser	Manorapid		2022-04-29	1030.1			x							0		0
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep	dispenser	paper towel		2022-03-23	1044										0		0
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-04-29	1036										0		0
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep	cart	lakeside	for gloves, gowns and masks and towels	2022-06-20	1020				x						0		0
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep	bench	stainless steel	for donning and doffing PPE	2022-06-28	5034.10		x		x					1	1		1
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep	container	biohazard	20 gallon	2022-05-19	1005	x							1		1		1
Phase 1	D4.8	0201.01	Pharm	0	Anteroom Sterile Chemo Prep															0		0
Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet	vacuum	housekeeping		2022-03-28	1337.3		x		x					1	1		1
Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet	cart	wire	24"x24" for clean supplies	2022-02-11	1210		x		x					1	1		1
Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet	cart	housekeeping	IH standard	2022-02-28	1018.2		x		x					1	1		1

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Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet	ladder	4'	wall mounted	2022-02-25	1059.3		x		x					1	1		1
Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet	dispenser	detergent		2022-03-03	1041.2		x	x						1	1		1
Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D4.9	0202	Pharm	0	Housekeeping Closet															0		0
	D5 Staff Amenity Area																					
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	video conferencing	system		2022-05-20	6007		x					x		1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	television	video conferencing	43" wall mount	2022-05-20	6007		x					x		1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	bracket	television / video conference	wall mount tilt	2022-02-24	6007.11		x					x		1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	video conferencing	misc cords, cables microphone, camera, repeater, etc.		2022-02-24	6007									1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	computer terminal	for video conferencing		2022-10-05	6000					x					0	0	0
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	container	recycling	medium	2020-03-19	1037		x		x					1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	whiteboard	magnetic	2x3	2020-03-19	1090		x	x						1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	chair	conference	Silq	2022-03-21	5021.9		x					x		5	5		5
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	chair	lounge	Jenny round (one left arm only, one right arm only)	2022-02-15	5009.15		x					x		2	2		2
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	table	end	small for between lounge chairs	2020-03-19	5017		x					x		1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	table	rectangular	for eating and staff meetings - seats 5	2022-04-29	5018		x					x		1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	refrigerator	domestic	full size with bottom freezer	2021-07-27	1076	x							1		1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	dishwasher		dishwashers LEED requirements are: • residential (standard and compact): ENERGY STAR • under counter: ≤ 6.0 liters/rack • stationary, single tank, door: ≤ 5.3 liters/rack • single tank, conveyor: ≤ 3.8 liters/rack • multiple tank, conveyor: ≤ 3.4 liters/rack • flight machine: ≤ 680 liters/hour	2020-03-19	1039		x		x						1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	coffee machine	Keurig	domestic	2021-07-27	1033	x							1		1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	microwave	domestic	21"w x 15"d x 13"h	2021-07-27	1066	x							1		1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	oven	toaster	domestic	2021-07-27	1335	x							1		1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	cooler	water	west wall leading to lockers - Pharmacy to purchase table for water cooler from operating budget	2022-04-29	1151.1	x							1		1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room															0		0
Phase 1	D5.1	0102.03	Pharm	0	Lounge Staff Meeting Room															0		0
Phase 1	D5.2	0COR12.03	Pharm	0	Alcove Hand Hygiene Sink	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	D5.2	0COR12.03	Pharm	0	Alcove Hand Hygiene Sink	dispenser	soap		2020-03-19	1045		x	x						1	1		1

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Phase 1	D5.2	0COR12.03	Pharm	0	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D5.3	0208	Pharm	0	Office Private (CL)	computer terminal	laptop		2021-10-20	6001	x				x			1		1		1
Phase 1	D5.3	0208	Pharm	0	Office Private	whiteboard	magnetic	2x3	2022-02-10	1090		x	x						1	1		1
Phase 1	D5.3	0208	Pharm	0	Office Private	bookcase		36"W x 28"H x 15"D	2022-04-29	5001.3		x					x	1		1		1
Phase 1	D5.3	0208	Pharm	0	Office Private	chair	task	80%	2021-07-26	5006	x							1		1		1
Phase 1	D5.3	0208	Pharm	0	Office Private	chair	visitor		2021-06-21	5007		x					x	2		2		2
Phase 1	D5.3	0208	Pharm	0	Office Private	workstation	height adjustable		2021-06-21	4025		x					x		1	1		1
Phase 1	D5.3	0208	Pharm	0	Office Private	pedestal	mobile		2022-04-29	5000	x		x					1	1	2		2
Phase 1	D5.3	0208	Pharm	0	Office Private	cabinet	filing	lateral 2 drawer mobile	2022-04-29	5010.15	x						x	1		1		1
Phase 1	D5.3	0208	Pharm	0	Office Private	container	garbage	medium	2021-05-20	1035	x							1		1		1
Phase 1	D5.3	0208	Pharm	0	Office Private	container	recycling	medium	2021-06-21	1037		x		x				1		1		1
Phase 1	D5.3	0208	Pharm	0	Office Private	table	round	small - seats 2 24" table top, standard height	2022-04-29	5019		x					x		1	1		1
Phase 1	D5.3	0208	Pharm	0	Office Private															0		0
Phase 1	D5.3	0209	Pharm	0	Office Private (Jen)	computer terminal	laptop		2021-10-20	6001	x				x			1		1		1
Phase 1	D5.3	0209	Pharm	0	Office Private	whiteboard	magnetic	2x3	2022-02-10	1090		x	x						1	1		1
Phase 1	D5.3	0209	Pharm	0	Office Private	bookcase	tall	36"W x 48"H x 15"D	2022-04-29	5001.3		x		x					1	1		1

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Phase 1	D5.3	0209	Pharm	0	Office Private	chair	task	80%	2021-07-26	5006	x							1		1		1
Phase 1	D5.3	0209	Pharm	0	Office Private	chair	visitor		2021-06-21	5007	x						x	2		2		2
Phase 1	D5.3	0209	Pharm	0	Office Private	workstation	height adjustable		2021-06-21	4025	x						x	1		1		1
Phase 1	D5.3	0209	Pharm	0	Office Private	pedestal	mobile		2021-09-08	5000	x		x					1		1		1
Phase 1	D5.3	0209	Pharm	0	Office Private	container	garbage	medium	2021-05-20	1035	x							1		1		1
Phase 1	D5.3	0209	Pharm	0	Office Private	container	recycling	large	2020-03-19	1037		x		x					1	1		1
Phase 1	D5.3	0209	Pharm	0	Office Private	table	round	small - seats 2 24" table top, standard height	2022-04-29	5019.11		x					x		1	1		1
Phase 1	D5.3	0209	Pharm	0	Office Private	cabinet	filing	lateral 2 drawer mobile	2022-04-29	5010.15	x						x	1		1		1
Phase 1	D5.3	0209	Pharm	0	Office Private															0		0
Phase 1	D5.4	0102	Pharm	0	Lockers Changing Room Staff	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-03-30	1036		x		x					1	1		1
Phase 1	D5.4	0102	Pharm	0	Lockers Changing Room Staff	cart	linen	changed back to linen cart 24"w x 20"d x 41"h	2022-04-29	1021.2		x		x					1	1		1
Phase 1	D5.4	0102	Pharm	0	Lockers Changing Room Staff	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	D5.4	0102	Pharm	0	Lockers Changing Room Staff															0		0
Phase 1	D5.5	0102.1	Pharm	0	Washroom Staff	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 1	D5.5	0102.1	Pharm	0	Washroom Staff	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 1	D5.5	0102.1	Pharm	0	Washroom Staff	container	sharps	small standard	2022-07-08	1038.37		x	x						1	1		1
Phase 1	D5.5	0102.1	Pharm	0	Washroom Staff	bracket	sharps		2022-07-08	1038.31		x	x						1	1		1
Phase 1	D5.5	0102.1	Pharm	0	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	D5.5	0102.1	Pharm	0	Washroom Staff	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2022-04-27	1036		x		x					1	1		1

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Phase 1	D5.6	0102.02	Pharm	0	Alcove Linen Cart	cart	linen		2022-04-29	1021.2										0		0
Phase 1	D5.6	0102.02	Pharm	0	Alcove Linen Cart															0		0
	Corridors, Pharm - Level 0 Pharm																					
Phase 1	003-C	0COR12	Pharm	0	Corridor, Pharma	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	003-C	0COR12	Pharm	0	Corridor, Pharma	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	003-C	0COR12	Pharm	0	Corridor, Pharma	dispenser	waterless	hand wash	2022-10-07	1048		x	x						2	2		2
	E RETAIL AND SUPPORT SERVICES																					
	E1 Retail																					
Phase 1	E1.1		MEL	1	Retail Coffee Shop				2020-03-03											0		0
Phase 1	E1.1		MEL	1	Retail Coffee Shop				2020-03-03											0		0
Phase 1	E1.1.1		MEL	1	Storage Room Coffee Shop				2020-03-03											0		0
Phase 1	E1.1.1		MEL	1	Storage Room Coffee Shop				2020-03-03											0		0

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Phase 1	E1.2		MEL	1	Retail Gift Shop	dispenser	paper towel		2022-02-11	1044										0		0
Phase 1	E1.2		MEL	1	Retail Gift Shop	dispenser	soap		2022-02-11	1045										0		0
Phase 1	E1.2.1		MEL	1	Change Room Gift Shop				2018-10-18											0		0
	E2 Multipurpose Gathering/Room																					
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC (emergency operations centre)	table	rectangular	conference - flip 30"x72"	2022-04-27	5018.7		x					x		9	9	1	10
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	chair	conference	Silq	2022-04-27	5021.9		x					x		18	18		18
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	chair	visitor	move, stackable	2022-04-27	5007.18		x					x		9	9		9
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	video conferencing	system	86" television vendor install	2022-03-02	6007.17		x					x		1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	television	video conferencing	86" wall mount	2022-03-02	6007.17		x					x		1	1		1

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Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	bracket	television / video conference	wall mount tilt	2022-02-24	6007		x					x		1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	video conferencing	misc cords, cables microphone, camera, repeater, etc.		2022-03-02	6007.18		x							1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	computer terminal	pc	for video conferencing, wireless mouse and keyboard	2022-09-22	6001		x			x				1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	bracket	computer	wall mount Dell OptiPlex 7090 Ultra	2022-10-05	7061.6		x							1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	whiteboard	magnetic	4x6	2022-04-20	1090.8		x	x						1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	whiteboard	magnetic	mobile double sided 54"x48"	2022-04-20	1090.11		x	x						1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	cabinet	storage	equipment supply	2021-05-20	1118		x		x					1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	flowmeter	medical air		2022-01-19	1049		x		x					3	3		3
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	flowmeter	oxygen		2022-01-19	1051		x		x					3	3		3
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	regulator	vacuum	add nipple	2022-06-30	1079		x		x					3	3		3
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	canister	suction	add liner / tubing	2022-09-22	1052		x	x						3	3		3
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	plate	wall	suction	2022-09-22	1052		x	x						3	3		3
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	dispenser	paper towel		2022-02-15	1044		x	x						1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	dispenser	soap		2022-02-15	1045		x	x						1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC	bin	recycling	confidential	2022-04-27	1222.1		x							1	1		1
Phase 1	E2.1	1114	MEL	1	Multipurpose Room EOC														1	1		1
Phase 1	E2.2		MEL	1	Storage Room Multipurpose Room EOC	cart	wire	24x36	2022-02-15	1210.8		x		x					1	1		1

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Phase 1	E2.2		MEL	1	Storage Room Multipurpose Room EOC				2022-02-15											0		0
	E3 Health Information Management																					
Phase 1	001V	0101	MEL	0	Vestibule	dispenser	waterless	hand wash	2022-10-07	1048		x	x						2	2		2
Phase 1	E3.1	0105	MEL	0	Storage Room Health Records General	workstation	office	height adjustable - confirmed by Tina Ingham	2021-06-10	4025		x					x		1	1		1
Phase 1	E3.1	0105	MEL	0	Storage Room Health Records General	computer terminal	pc		2021-06-10	6001		p/h			x					0	1	1
Phase 1	E3.1	0105	MEL	0	Storage Room Health Records General	chair	task	80% confirmed by Tina Ingham	2021-06-10	5006.12		x					x		1	1		1
Phase 1	E3.1	0105	MEL	0	Storage Room Health Records General	light	bedside	task light for desk - confirmed by Tina Ingham	2021-06-10	1150.3		x		x					1	1		1
Phase 1	E3.1	0105	MEL	0	Storage Room Health Records General	container	garbage	medium	2021-06-10	1035		x		x					1	1		1
Phase 1	E3.1	0105	MEL	0	Storage Room Health Records General	container	recycling	confirmed by Tina Ingham	2021-06-10	1037		x		x					1	1		1
	E4 Work Support Area																					
Phase 1	E4.1	0105	MEL	0	Storage Room De-Icing Supplies				2018-10-18											0		0
Phase 1	E4.2	0111	MEL	0	DH Support Room	workstation	height adjustable	70h x 30"w	2021-09-17	4025	x							1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	computer terminal	pc		2021-09-17	6001	x				x			1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	printer	mfd	small HP Officejet Pro - per Shar	2022-03-02	6004.3d	x				x			1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	stand	equipment	printer	2021-09-23	5040	x							1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	chair	task	80%	2021-09-17	5006.12	x							1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	chair	visitor		2021-09-17	5007	x							1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	board	bulletin	cork 1 - 34" x 48", 1 - 18" x 24"	2021-09-23		x							2		2		2
Phase 1	E4.2	0111	MEL	0	DH Support Room	container	garbage	medium	2021-09-17	1035	x							1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	container recycling			2021-09-17	1037	x							1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 1	E4.2	0111	MEL	0	DH Support Room	shelving	metal	1 - 84"h x 18"d x 49"w 1 - 84"h x 19'd x 36"w 1 - 72"h x 18"d x 36'w	2022-04-25		x							3		3		3
Phase 1	E4.2	0111	MEL	0	DH Support Room	table		39"h x 22"d x 46"w	2021-09-23	5018	x							2		2		2
Phase 1	E4.2	0111	MEL	0	DH Support Room	table	rectangular	29"h x 45"w x 25"d	2021-09-23	5018	x							1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	pedestal	mobile	18"w x 24"d x 24"h	2021-09-23	5000	x							2		2		2
Phase 1	E4.2	0111	MEL	0	DH Support Room	cart	utility	3 shelves 18"w x 34"h x 24"d	2021-09-23	1027.17	x							1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	printer	mfd	large - spare only	2022-06-28	6004.4	x				x			1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room	printer	laser		2021-09-23	6004.1	x				x			2		2		2
Phase 1	E4.2	0111	MEL	0	DH Support Room	workstation	rectangular	24"Dx48"W	2022-04-25	5020	x							1		1		1
Phase 1	E4.2	0111	MEL	0	DH Support Room															0		0
Phase 1	E4.3	0114	MEL	0	Cart Marshalling Staging Area	housekeeping equip	ride on	Swingo	2022-04-25	1055.5										0		0
Phase 1	E4.3	0114	MEL	0	Cart Marshalling Staging Area	cart	wire	mobile for drying items	2022-05-20	1210	x							1				0
Phase 1	E4.3	0114	MEL	0	Cart Marshalling Staging Area	housekeeping equip	buffer ride on	Swingo	2022-03-15	1055.5		x		x					1	1		1
Phase 1	E4.4	0115	MEL	0	Cart Washing Room	dispenser	paper towel		2021-10-22	1044		x	x						1			0
Phase 1	E4.4	0115	MEL	0	Cart Washing Room	dispenser	soap		2021-10-22	1045		x	x						1			0

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Phase 1	E4.4	0115	MEL	0	Cart Washing Room	container	garbage	medium	2021-10-22	1035		x	x						1			0
Phase 1	E4.4	0115	MEL	0	Cart Washing Room	dispenser	detergent		2022-03-03	1041.2		x	x						1	1		1
Phase 1	E4.4	0115	MEL	0	Cart Washing Room															0		0
	Corridors, MEL - Level 0 MEL																					
Phase 1	002-C	0COR01	MEL	0	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	002-C	0COR01	MEL	0	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						2	2		2
Phase 1	002-C	0COR01	MEL	0	Corridor	dispenser	waterless	hand wash	2022-11-01	1048		x	x						1	1		1
Phase 1	002-C	0COR02	MEL	0	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						2	2		2
Phase 1	002-C	0COR04	MEL	0	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	002-C	0COR04	MEL	0	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	002-C	0COR04	MEL	0	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						2	2		2
Phase 1	002-C	0COR04	MEL	0	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	002-C	0COR05	MEL	0	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
Phase 1	002-C	0COR05	MEL	0	Corridor	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
	Corridors, Service - Level 0 MEL																					
Phase 1	001C	0COR06	MEL	0	Corridor, Service	dispenser	waterless	hand wash	2022-10-07	1048		x	x						1	1		1
	E5 Future Health Information Management (Phase 2)																					

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Phase 2	E5.1		MEL	0	Storage Room Health Records Main	shelving	high density file storage	HIM ?	2022-01-17	1328		x		x						0		0
Phase 2	E5.1		MEL	0	Storage Room Health Records Main	workstation	office	height adjustable	2021-05-20	4025		x					x		1	1		1
Phase 2	E5.1		MEL	0	Storage Room Health Records Main	chair	task	80%	2020-05-19	5006		x					x		1	1		1
Phase 2	E5.1		MEL	0	Storage Room Health Records Main	printer	mfd		2020-05-26	6004		x			x				1	1		1
Phase 2	E5.1		MEL	0	Storage Room Health Records Main	printer	laser		2020-05-26	6004.1		x			x				1	1		1
Phase 2	E5.1		MEL	0	Storage Room Health Records Main	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	E5.1		MEL	0	Storage Room Health Records Main	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	E5.1		MEL	0	Storage Room Health Records Main	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	E5.2		MEL	0	Storage Room Medical Imaging Records	shelving	high density file storage	HIM ?	2021-04-14	1328		x		x					1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	computer terminal	pc		2018-10-18	6001	x				x			1		1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	cabinet	filing	lateral	2018-10-18	5010		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	computer terminal	pc		2018-10-18	6001	x				x			1		1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	cabinet	filing	lateral	2018-10-18	5010		x					x		1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	E5.3		MEL	0	Workstation Health Records Clerk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	computer terminal	pc		2018-10-18	6001	x				x			1		1		1

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Phase 2	E5.4		MEL	0	Workstation Coder	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	workstation	office	height adjustable	2021-05-20	4025		x					x		1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	cabinet	filing	lateral	2018-10-18	5010		x					x		1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	E5.4		MEL	0	Workstation Coder	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	computer terminal	pc		2018-10-18	6001	x				x			1		1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	cabinet	filing	lateral	2018-10-18	5010		x					x		1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	E5.5		MEL	0	Workstation Transcriptionist	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	E5.6		MEL	0	Workstation Dictation	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	E5.7		MEL	0	Public Access Vestibule	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	E5.8		MEL	0	Workstation-Health Records Clerk/Reception	chair	task	80%	2020-07-21	5006		x					x		1	1		1
Phase 2	E5.8		MEL	0	Workstation-Health Records Clerk/Reception	computer terminal	pc		2018-10-18	6001		x			x				1	1		1

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Phase 2	E5.6		MEL	0	Workstation-Health Records Clerk/Reception	container	garbage	medium	2020-07-21	1035		x		x					1	1		1
Phase 2	E5.8		MEL	0	Workstation-Health Records Clerk/Reception	container	recycling		2020-07-21	1037		x		x					1	1		1
Phase 2	E5.8		MEL	0	Workstation-Health Records Clerk/Reception	whiteboard	magnetic		2020-07-21	1090		x	x						1	1		1
	AMBULATORY CARE CENTRE																					
	Unit Entrance/Patient & Visitor Support Area																					
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	chair	gang	gang seating	2018-10-18	5008		x					x		10	10		10
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	television			2018-10-18	6006		x		x					2	2		2
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	television	digital messaging		2020-03-26	6006		x		x					2	2		2
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	bracket	television	digital message	2020-03-26	1013		x	x						1	1		1
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	table	end		2018-10-18	5017		x					x		1	1		1
Phase 2	1.7		ACC	1	Waiting Room Patient Visitor	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	1.8		ACC	1	Washroom Patient Visitor Bariatric	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	1.8		ACC	1	Washroom Patient Visitor Bariatric	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	1.8		ACC	1	Washroom Patient Visitor Bariatric	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	1.8		ACC	1	Washroom Patient Visitor Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Oncology																					
	Oncology Diagnostic Treatment Area																					
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	recliner	treatment		2018-10-18	1261		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	diagnostic set		integrated wall board - w\thermometer	2018-10-18	1098	x					x			1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1

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Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	television			2018-10-18	6006		x		x					1	1		1
Phase 2	2.1-01		ACC	1	Treatment Cubicle Open Chair	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	recliner	treatment		2018-10-18	1261		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	diagnostic set		integrated wall board - w\thermometer	2018-10-18	1098		x				x			1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	television			2018-10-18	6006		x		x					1	1		1
Phase 2	2.1-02		ACC	1	Treatment Cubicle Open Chair	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	recliner	treatment		2018-10-18	1261		x		x					1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	diagnostic set		integrated wall board - w\thermometer	2018-10-18	1098		x				x			1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	table	overbed		2021-05-20	1082.6		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	television			2018-10-18	6006		x		x					1	1		1
Phase 2	2.1-03		ACC	1	Treatment Cubicle Open Chair	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	recliner	treatment	bariatric	2021-05-20	1261		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	diagnostic set		integrated wall board - w\thermometer	2018-10-18	1098		x				x			1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	television			2018-10-18	6006		x		x					1	1		1
Phase 2	2.2		ACC	1	Treatment Cubicle Open Bariatric Chair	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	2.3-01		ACC	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	2.3-01		ACC	1	Alcove Hand Hygiene Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	2.3-01		ACC	1	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	2.3-02		ACC	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	2.3-02		ACC	1	Alcove Hand Hygiene Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	2.3-02		ACC	1	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	2.3-03		ACC	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	2.3-03		ACC	1	Alcove Hand Hygiene Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	2.3-03		ACC	1	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	2.4		ACC	1	Consult Room Telehealth	table	rectangular	conference	2021-05-20	5018		x					x		1	1		1
Phase 2	2.4		ACC	1	Consult Room Telehealth	chair	conference		2021-05-20	5021		x					x		10	10		10
Phase 2	2.4		ACC	1	Consult Room Telehealth	television	video conferencing	with projection screen	2021-04-15	6007		x					x		1	1		1
Phase 2	2.4		ACC	1	Consult Room Telehealth	bracket	television		2021-05-20	1013		x					x		1	1		1
Phase 2	2.4		ACC	1	Consult Room Telehealth	video conferencing			2021-04-15	6007		x					x		1	1		1
Phase 2	2.4		ACC	1	Consult Room Telehealth	computer terminal	PACS		2021-04-14	6003		x			x				1	1		1
Phase 2	2.4		ACC	1	Consult Room Telehealth	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	2.4		ACC	1	Consult Room Telehealth	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	2.4		ACC	1	Consult Room Telehealth	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 2	2.4		ACC	1	Consult Room Telehealth	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	2.5		ACC	1	Washroom Patient Bariatric	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	2.5		ACC	1	Washroom Patient Bariatric	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	2.5		ACC	1	Washroom Patient Bariatric	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	2.5		ACC	1	Washroom Patient Bariatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Outpatient Minor Procedure Clinic																					
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	touchdown	station	height adjustable	2021-09-14	5032.20		x					x		1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2018-10-18	1068		x				x			1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	stretcher			2018-10-18	1081	x							1		1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	telephone			2018-10-18	6005		x			x				1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	ceiling lift	x-y gantry		2021-05-19	1031		x					x		1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	equipment management system	boom		2021-08-25	2021		x					x		1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	headlight	surgical	boom mount?	2021-06-03	1060		x		x					1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	table	back		2018-10-18	2053.1		x		x					1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	cabinet	storage	clinical supply	2018-10-18	1118		x		x					1	1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	polypectomy unit			2018-10-18	1293	x					x		1		1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	scanner	bladder		2021-05-20	1158	x					x		1		1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	smoke evacuator			2021-04-14	2048	x					x		1		1		1
Phase 2	3.1		ACC	1	Procedure Room, Minor Surgical	video system	platform	endoscopy	2021-04-14	2057	x					x		1		1		1
Phase 2	3.2		ACC	1	Waiting Area, (Minor Procedures)	chair	healthcare seating		2018-10-18	5004		x					x		4	4		4
Phase 2	3.2		ACC	1	Waiting Area, (Minor Procedures)	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	3.2		ACC	1	Waiting Area, (Minor Procedures)	television			2018-10-18	6006		x		x					2	2		2
Phase 2	3.2		ACC	1	Waiting Area, (Minor Procedures)	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	3.2		ACC	1	Waiting Area, (Minor Procedures)	table	end		2018-10-18	5017		x					x		1	1		1
Phase 2	3.2		ACC	1	Waiting Area, (Minor Procedures)	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	stretcher	gyne		2018-10-18	1081	x							1		1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	dispenser	paper towel		2018-08-30	1044		x	x						1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2018-10-18	1068		x				x			1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	equipment management system	boom		2021-08-25	2021		x					x		1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	headlight	surgical	boom mount?	2021-06-03	1060		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	table	back		2018-10-18	2053.1		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	cabinet	storage	clinical supply	2018-10-18	1118		x		x					1	1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	polypectomy unit			2018-10-18	1293	x					x		1		1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	scanner	bladder		2021-05-20	1158	x					x		1		1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	smoke evacuator			2021-04-14	2048	x					x		1		1		1
Phase 2	3.3		ACC	1	Procedure Room, Gynecology /Colposcopy	video system	platform	endoscopy	2021-04-14	2057	x					x		1		1		1
Phase 2	3.4		ACC	1	Dressing Cubicle Gyne	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 2	3.5		ACC	1	Waiting Area, Pre-Post Gowned (Gyne)	chair	healthcare seating		2018-10-18	5004		x					x		3	3		3
Phase 2	3.5		ACC	1	Waiting Area, Pre-Post Gowned (Gyne)	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	3.5		ACC	1	Waiting Area, Pre-Post Gowned (Gyne)	television			2018-10-18	6006		x		x					2	2		2
Phase 2	3.5		ACC	1	Waiting Area, Pre-Post Gowned (Gyne)	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	3.5		ACC	1	Waiting Area, Pre-Post Gowned (Gyne)	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	3.5.1		ACC	1	Lockers Patient Gyne	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	3.6		ACC	1	Alcove Scrub Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	3.6		ACC	1	Alcove Scrub Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	3.6		ACC	1	Alcove Scrub Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	3.6		ACC	1	Alcove Scrub Sink	dispenser	mask		2021-03-18	1043		x	x						1	1		1
Phase 2	3.6		ACC	1	Alcove Scrub Sink	dispenser	waterless	hand wash	2021-05-20	1048.1		x	x						1	1		1
Phase 2	3.6		ACC	1	Alcove Scrub Sink	dispenser	brush		2018-10-18	1040		x	x						1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	recliner	treatment		2018-10-18	1261		x		x					1	1		1

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Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2018-10-18	1068	x					x		1		1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	television			2018-10-18	6006		x		x					1	1		1
Phase 2	3.7-01		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	recliner	treatment		2018-10-18	1261		x		x					1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	television			2018-10-18	6006		x		x					1	1		1
Phase 2	3.7-02		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	recliner	treatment		2018-10-18	1261		x		x					1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2018-10-18	1068	x					x		1		1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	television			2018-10-18	6006		x		x					1	1		1
Phase 2	3.7-03		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	recliner	treatment		2018-10-18	1261		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	television			2018-10-18	6006		x		x					1	1		1
Phase 2	3.7-04		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	recliner	treatment		2018-10-18	1261		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	monitor	vital sign	order longest cord for bp cuff, Massimo SPO2	2018-10-18	1068		x				x			1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	television			2018-10-18	6006		x		x					1	1		1
Phase 2	3.7-05		ACC	1	Universal Treatment Bay, Open (Chair)	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	3.8		ACC	1	Conference Room Patient	table	rectangular	conference	2021-05-20	5018		x					x		2	2		2
Phase 2	3.8		ACC	1	Conference Room Patient	chair	conference		2021-05-20	5021		x					x		8	8		8
Phase 2	3.8		ACC	1	Conference Room Patient	television	video conferencing	with projection screen	2018-10-18	6007		x					x			0	1	1
Phase 2	3.8		ACC	1	Conference Room Patient	bracket	television		2018-10-18	1013		x					x			0	1	1
Phase 2	3.8		ACC	1	Conference Room Patient	video conferencing			2021-05-20	6007		x					x			0	1	1
Phase 2	3.8		ACC	1	Conference Room Patient	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	3.8		ACC	1	Conference Room Patient	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	3.8		ACC	1	Conference Room Patient	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	3.8		ACC	1	Conference Room Patient	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 2	3.8		ACC	1	Conference Room Patient	container	recycling	large	2018-10-18	1037		x		x					1	1		1
	Oncology/Minor Procedure Support Area																					
Phase 2	4.1		ACC	1	Workstation Unit Clerk	computer terminal	pc		2018-10-18	6001	x				x			1		1		1
Phase 2	4.1		ACC	1	Workstation Unit Clerk	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	4.1		ACC	1	Workstation Unit Clerk	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	4.1		ACC	1	Workstation Unit Clerk	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	4.1		ACC	1	Workstation Unit Clerk	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	4.1		ACC	1	Workstation Unit Clerk	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	4.1		ACC	1	Workstation Unit Clerk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	4.1		ACC	1	Workstation Unit Clerk	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	4.2		ACC	1	Care Team Station	computer terminal	pc		2018-10-18	6001	x				x			4		4		4
Phase 2	4.2		ACC	1	Care Team Station	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	4.2		ACC	1	Care Team Station	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	4.2		ACC	1	Care Team Station	chair	task	80%	2018-10-18	5006		x					x		4	4		4
Phase 2	4.2		ACC	1	Care Team Station	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		1	1		1
Phase 2	4.2		ACC	1	Care Team Station	keyboard tray			2018-10-18	5011		x					x		4	4		4
Phase 2	4.2		ACC	1	Care Team Station	container	garbage	medium	2021-05-20	1035		x		x					4	4		4
Phase 2	4.2		ACC	1	Care Team Station	container	recycling	large	2018-10-18	1037		x		x					4	4		4
Phase 2	4.2		ACC	1	Care Team Station	workstation	office		2018-10-18	5020		x					x		4	4		4
Phase 2	4.2		ACC	1	Care Team Station	telephone			2018-10-18	6005		x			x				1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	4.2.1		ACC	1	Workroom Care Team	workstation	office		2018-10-18	5020		x					x		4	4		4
Phase 2	4.2.1		ACC	1	Workroom Care Team	chair	task	80%	2018-10-18	5006		x					x		4	4		4
Phase 2	4.2.1		ACC	1	Workroom Care Team	computer terminal	pc		2018-10-18	6001	x				x			4		4		4
Phase 2	4.2.1		ACC	1	Workroom Care Team	table	rectangular	conference	2021-05-20	5018		x					x		1	1		1
Phase 2	4.2.2		ACC	1	Workstation Learner	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	4.2.2		ACC	1	Workstation Learner	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	4.2.2		ACC	1	Workstation Learner	computer terminal	pc		2018-10-18	6001	x				x			1		1		1
Phase 2	4.2.3		ACC	1	Storage Room Patient Records	rack	wire supply	Vernacare	2021-04-14	1210		x		x					4	4		4
Phase 2	4.3		ACC	1	Business Machine Room	shredder	paper	large	2021-05-20	1304		x		x					1	1		1
Phase 2	4.3		ACC	1	Business Machine Room	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		2	2		2
Phase 2	4.3		ACC	1	Business Machine Room	printer	mfd		2018-10-18	6004	x				x			1		1		1
Phase 2	4.4		ACC	1	Medication Room	glucometer			2018-10-18	2061		x				x			3	3		3
Phase 2	4.4		ACC	1	Medication Room	dispenser	wipe	disinfectant	2022-09-22	1024.1		x	x						1	1		1
Phase 2	4.4		ACC	1	Medication Room	medication management system		seismic restraint required	2020-03-03	1072		x				x			1	1		1
Phase 2	4.4		ACC	1	Medication Room	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	4.4		ACC	1	Medication Room	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	4.4		ACC	1	Medication Room	refrigerator	vaccine	all-fridge	2021-05-20	1077		x	x						1	1		1
Phase 2	4.4		ACC	1	Medication Room	bin	tilt	for small items	2021-06-29	1004									1	1		1
Phase 2	4.4		ACC	1	Medication Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	4.4		ACC	1	Medication Room	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	4.4		ACC	1	Medication Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	4.4		ACC	1	Medication Room	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	4.4		ACC	1	Medication Room	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	4.4		ACC	1	Medication Room	container	pharmaceutical waste	3.8l (IH# 1056776) - order wall mount bracket (IH# 1056775)	2022-07-08	1341.4 / 1341.6	x							1		1		1
Phase 2	4.4		ACC	1	Medication Room	bin system		qty volumes are for budget allocation only. System size is not determined at this time and should evolve with design.	2018-10-18	1011		x		x					1	1		1
Phase 2	4.5-01		ACC	1	Alcove Hand Hygiene sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	4.5-01		ACC	1	Alcove Hand Hygiene sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	4.5-01		ACC	1	Alcove Hand Hygiene sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	4.5-02		ACC	1	Alcove Hand Hygiene sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	4.5-02		ACC	1	Alcove Hand Hygiene sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	4.5-02		ACC	1	Alcove Hand Hygiene sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	4.6-01		ACC	1	Workstation Touchdown	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	4.6-01		ACC	1	Workstation Touchdown	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	4.6-01		ACC	1	Workstation Touchdown	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	4.6-01		ACC	1	Workstation Touchdown	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	4.6-01		ACC	1	Workstation Touchdown	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	4.6-01		ACC	1	Workstation Touchdown	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	4.6-01		ACC	1	Workstation Touchdown	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	4.6-02		ACC	1	Workstation Touchdown	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	4.6-02		ACC	1	Workstation Touchdown	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	4.6-02		ACC	1	Workstation Touchdown	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	4.6-02		ACC	1	Workstation Touchdown	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	4.6-02		ACC	1	Workstation Touchdown	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	4.6-02		ACC	1	Workstation Touchdown	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	4.6-02		ACC	1	Workstation Touchdown	telephone			2018-10-18	6005		x			x				1	1		1
	Supplies & Equipment																					
Phase 2	4.7		ACC	1	Storage Room Equipment	cart	wire		2018-10-18	1210		x		x					4	4		4
Phase 2	4.7		ACC	1	Storage Room Equipment				2018-10-18											0		0
Phase 2	4.8		ACC	1	Utility Room Clean	bin system		qty volumes are for budget allocation only. System size is not determined at this time and should evolve with design.	2018-10-18	1011		x		x					6	6		6
Phase 2	4.8		ACC	1	Utility Room Clean	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	4.8		ACC	1	Utility Room Clean	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	4.8		ACC	1	Utility Room Clean	pump	epidural pain		2018-10-18	2040	x					x		1		1		1
Phase 2	4.8		ACC	1	Utility Room Clean	pole	IV		2018-10-18	1070	x							1		1		1
Phase 2	4.8		ACC	1	Utility Room Clean	rack	wire supply	Vernacare	2021-08-20	1201		x		x					1	1		1
Phase 2	4.9		ACC	1	Utility Room Soiled	macerator			2021-05-20	1063.2		x	x						1	1		1
Phase 2	4.9		ACC	1	Utility Room Soiled	dispenser	paper towel		2021-05-20	1044		x	x						2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	4.9		ACC	1	Utility Room Soiled	dispenser	soap		2021-05-20	1045		x	x						2	2		2
Phase 2	4.9		ACC	1	Utility Room Soiled	container	garbage	medium	2021-08-19	1035		x		x					2	2		2
Phase 2	4.11		ACC	1	Housekeeping Room	vacuum	housekeeping		2020-03-19	1337		x		x					1	1		1
Phase 2	4.11		ACC	1	Housekeeping Room	cart	wire		2020-03-19	1210		x		x					1	1		1
Phase 2	4.11		ACC	1	Housekeeping Room	cart	housekeeping			1018.2		x		x					1	1		1
Phase 2	4.11		ACC	1	Housekeeping Room	ladder	4'		2020-03-19	1059		x		x					1	1		1
Phase 2	4.11		ACC	1	Housekeeping Room	dispenser	detergent		2020-06-01	1041									0	0		0
Phase 2	4.11		ACC	1	Housekeeping Room	dispenser	paper towel		2020-03-19	1044		x	x						1	1		1
Phase 2	4.11		ACC	1	Housekeeping Room	dispenser	soap		2020-03-19	1045		x	x						1	1		1
Phase 2	4.11		ACC	1	Housekeeping Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	4.12		ACC	1	Alcove Linen	cart	linen	24"D x 63"L x 67.5"H	2021-11-18	1021.9		x		x					1	1		1
Phase 2	4.13		ACC	1	Alcove Blanket Warmer	cabinet	warming		2018-10-18	1088		x		x					1	1		1
Phase 2	4.14-01		ACC	1	Alcove Equipment				2018-10-18											0		0
Phase 2	4.14-02		ACC	1	Alcove Equipment				2018-10-18											0		0
	Shared Clinics Area																					
Phase 2	5.1-01		ACC	1	Exam Room Large	table	exam		2018-10-18	1311		x		x					1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	5.1-01		ACC	1	Exam Room Large	diagnostic set		integrated wall board - w\thermometer	2018-10-18	1098		x				x			1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	light	exam	ceiling articulating	2018-10-18	1060		x		x					1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	telehealth	mobile		2018-10-18	6014					x					0	1	1

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Phase 2	5.1-01		ACC	1	Exam Room Large	hamper	linen	Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	5.1-01		ACC	1	Exam Room Large	ceiling lift	x-y gantry		2021-05-19	1031		x					x		1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	table	exam		2018-10-18	1311		x		x					1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	diagnostic set		integrated wall board - wlthermometer	2018-10-18	1098		x				x			1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	light	exam	ceiling articulating	2018-10-18	1060		x		x					1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	telehealth	mobile		2018-10-18	6014					x					0	1	1
Phase 2	5.1-02		ACC	1	Exam Room Large	hamper	linen	Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	5.1-02		ACC	1	Exam Room Large	ceiling lift	x-y gantry		2021-05-19	1031		x					x		1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	stretcher	height adjustable		2018-10-18	1081	x							1		1		1
Phase 2	5.2		ACC	1	Exam Room Cast	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1

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Phase 2	5.2		ACC	1	Exam Room Cast	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	flowmeter	oxygen		2018-10-18	1051		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	flowmeter	medical air		2018-10-18	1049		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	regulator	vacuum	add nipple	2018-10-18	1079		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	diagnostic set		integrated wall board - w\thermometer	2018-10-18	1098		x				x			1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	5.2		ACC	1	Exam Room Cast	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	dispenser	waterless	hand wash	2023-01-05	1048		x	x						1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	hamper	linen	Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	cart	cast		2018-10-18	1147		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	touchdown	station	height adjustable	2021-09-14	5032.20		x					x		1	1		1
Phase 2	5.2		ACC	1	Exam Room Cast	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	5.3		ACC	1	Consultation Room	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	5.3		ACC	1	Consultation Room	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	5.3		ACC	1	Consultation Room	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	5.3		ACC	1	Consultation Room	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	5.3		ACC	1	Consultation Room	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	5.3		ACC	1	Consultation Room	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	5.4		ACC	1	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	5.4		ACC	1	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	5.4		ACC	1	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	5.4		ACC	1	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Supplies/Equipment																					
Phase 2	5.6		ACC	1	Alcove Linen	cart	linen	24"D x 63"L x 67.5"H	2021-11-18	1021.9		x		x					1	1		1
Phase 2	5.7		ACC	1	Alcove Blanket Warmer	cabinet	warming		2018-10-18	1088		x		x					1	1		1
Phase 2	5.8		ACC	1	Alcove Equipment				2018-10-18											0		0
	Staff Amenity Area																					
Phase 2	8.1		ACC	1	Lounge Staff	dispenser	paper towel		2021-04-14	1044		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	8.1		ACC	1	Lounge Staff	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	computer terminal	pc		2018-10-18	6001		p/h			x					0	1	1
Phase 2	8.1		ACC	1	Lounge Staff	workstation	office	computer	2018-10-18	5020		x					x		1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	television			2018-10-18	6006		x		x						0	1	1
Phase 2	8.1		ACC	1	Lounge Staff	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	chair	healthcare seating		2018-10-18	5004		x					x		4	4		4
Phase 2	8.1		ACC	1	Lounge Staff	chair	visitor		2018-10-18	5007		x					x		4	4		4
Phase 2	8.1		ACC	1	Lounge Staff	table	end		2018-10-18	5017		x					x		1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	table	rectangular or round?		2021-05-20	5018/5019		x					x		1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	refrigerator	domestic	full size with freezer	2021-05-20	1076		x		x					1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	dishwasher		dishwashers LEED requirements are: • residential (standard and compact): ENERGY STAR • under counter: ≤ 6.0 liters/rack • stationary, single tank, door: ≤ 5.3 liters/rack • single tank, conveyor: ≤ 3.8 liters/rack • multiple tank, conveyor: ≤ 3.4 liters/rack • flight machine: ≤ 680 liters/hour	2018-10-18	1039		x		x					1	1		1
Phase 2	8.1		ACC	1	Lounge Staff	container	garbage	medium	2021-05-20	1035		x		x					2	2		2
Phase 2	8.1		ACC	1	Lounge Staff	container	recycling	large	2018-10-18	1037		x		x					2	2		2
Phase 2	8.1.1		ACC	1	Alcove Lockers	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	8.2		ACC	1	Alcove Hand Hygiene Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	8.2		ACC	1	Alcove Hand Hygiene Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	8.2		ACC	1	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

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Phase 2	8.3-01		ACC	1	Washroom Staff	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	8.3-01		ACC	1	Washroom Staff	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	8.3-01		ACC	1	Washroom Staff	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	8.3-01		ACC	1	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	8.3-04		ACC	1	Washroom Staff	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	8.3-04		ACC	1	Washroom Staff	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	8.3-04		ACC	1	Washroom Staff	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	8.3-04		ACC	1	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	UBC Facility of Medicine																					
	Teaching and Learning																					
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	table	rectangular	conference	2021-05-20	5018		x					x		2	2		2
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	chair	conference		2021-05-20	5021		x					x		16	16		16
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	television	video conferencing	with projection screen	2021-04-15	6007		x					x		1	1		1
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	bracket	television		2021-04-15	1013		x					x		1	1		1
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	video conferencing			2021-04-15	6007		x					x		1	1		1
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	computer terminal	pc		2018-10-18	6003		x			x				1	1		1
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 2	H1.1		UBC	3	Small Videoconference /Seminar Room	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	television	UBC FoM AV guidelines		2018-10-18	6006		x			x				1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	video conferencing	camera	visual	2021-04-14	6007		x		x					1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	touchdown	station	height adjustable	2021-09-14	5032.20		x					x		1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	chair	task		2018-10-18	5003.3		x					x		1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	whiteboard	magnetic		2021-05-20	1090		x	x						1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	stretcher	transport		2018-10-18	1081		x		x					1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	diagnostic set		integrated wall board - w\thermometer	2021-05-20	1098		x				x			1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	light	exam		2018-10-18	1060		x		x					1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2

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Phase 2	H1.2		UBC	3	Clinical Skills Room	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	H1.2		UBC	3	Clinical Skills Room	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	H1.2		UBC	3	Clinical Skills Room	dispenser	paper towel		2021-05-20	1044		x	x						2	2		2
Phase 2	H1.2		UBC	3	Clinical Skills Room	dispenser	soap		2018-10-18	1045		x	x						2	2		2
Phase 2	H1.2		UBC	3	Clinical Skills Room	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 2	H1.2		UBC	3	Clinical Skills Room	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	container	sharps	small standard	2018-10-18	1038.37		x	x						1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	bracket	sharps		2018-10-18	1038.31		x	x						1	1		1
Phase 2	H1.2		UBC	3	Clinical Skills Room	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1
Phase 2	H1.3		UBC	3	Storage Room Equipment Supplies	bin system		qty volumes are for budget allocation only. System size is not determined at this time and should evolve with design.	2018-10-18	1011		x		x					2	2		2
Phase 2	H1.3		UBC	3	Storage Room Equipment Supplies	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	H1.3		UBC	3	Storage Room Equipment Supplies	cart	wire		2018-10-18	1210		x		x					1	1		1
Phase 2	H1.4		UBC	3	Washroom	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H1.4		UBC	3	Washroom	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H1.4		UBC	3	Washroom	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	H1.4		UBC	3	Washroom	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	H1.5		UBC	3	Housekeeping Closet	vacuum	housekeeping		2018-10-18	1337		x		x					1	1		1
Phase 2	H1.5		UBC	3	Housekeeping Closet	cart	wire		2018-10-18	1210		x		x					1	1		1
Phase 2	H1.5		UBC	3	Housekeeping Closet	ladder			2018-10-18	1059		x		x					1	1		1
Phase 2	H1.5		UBC	3	Housekeeping Closet	dispenser	detergent		2020-06-01	1041									0	0		0
Phase 2	H1.5		UBC	3	Housekeeping Closet	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H1.5		UBC	3	Housekeeping Closet	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H1.5		UBC	3	Housekeeping Closet	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Locker On Call																					
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	bed	single	on call	2021-05-20	1002		x		x					1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	chair	task	60%	2018-10-18	5003		x					x		1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	workstation	office		2018-10-18	5020		x					x		1	1		1

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Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	lamp	table		2021-05-20	1289		x		x					1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	bed	single	on call	2021-05-20	1002		x		x					1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	chair	task	60%	2018-10-18	5003		x					x		1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	H2.1		UBC	3	On Call Room Post Grad Resident Trainee Ugrad Student	lamp	table		2021-05-20	1289		x		x					1	1		1
Phase 2	H2.2		UBC	3	Locker room	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	H2.3		UBC	3	Change Room	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	H2.4		UBC	3	Washroom Unisex Wheelchair Type	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H2.4		UBC	3	Washroom Unisex Wheelchair Type	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H2.4		UBC	3	Washroom Unisex Wheelchair Type	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	H2.4		UBC	3	Washroom Unisex Wheelchair Type	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	H2.4		UBC	3	Washroom Unisex Wheelchair Type	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H2.4		UBC	3	Washroom Unisex Wheelchair Type	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H2.4		UBC	3	Washroom Unisex Wheelchair Type	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	H2.4		UBC	3	Washroom Unisex Wheelchair Type	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	H2.5		UBC	3	Shower Area Unisex	container	garbage	medium	2021-05-20	1035		x		x					1	1		1

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Phase 2	H2.5		UBC	3	Shower Area Unisex	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H2.5		UBC	3	Shower Area Unisex	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H2.5		UBC	3	Shower Area Unisex	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	H2.5		UBC	3	Shower Area Unisex	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	H2.5		UBC	3	Shower Area Unisex	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H2.5		UBC	3	Shower Area Unisex	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H2.5		UBC	3	Shower Area Unisex	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	H2.6		UBC	3	Lounge	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H2.6		UBC	3	Lounge	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H2.6		UBC	3	Lounge	computer terminal	pc		2018-10-18	6001		p/h			x					0	1	1
Phase 2	H2.6		UBC	3	Lounge	workstation	office	computer	2018-10-18	5020		x					x		1	1		1
Phase 2	H2.6		UBC	3	Lounge	television			2018-10-18	6006		x		x					1	1		1
Phase 2	H2.6		UBC	3	Lounge	bracket	television		2018-10-18	1013		x	x							0	1	1
Phase 2	H2.6		UBC	3	Lounge	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	H2.6		UBC	3	Lounge	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	H2.6		UBC	3	Lounge	chair	healthcare seating		2018-10-18	5004		x					x		2	2		2
Phase 2	H2.6		UBC	3	Lounge	chair	visitor		2018-10-18	5007		x					x		4	4		4
Phase 2	H2.6		UBC	3	Lounge	table	end		2018-10-18	5017		x					x		1	1		1
Phase 2	H2.6		UBC	3	Lounge	table	rectangular or round?		2021-05-20	5018/5019		x					x		1	1		1
Phase 2	H2.6		UBC	3	Lounge	refrigerator	domestic	full size with freezer	2021-05-20	1076	x	x		x					1	1		1

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Phase 2	H2.6		UBC	3	Lounge	dishwasher		dishwashers LEED requirements are: • residential (standard and compact): ENERGY STAR • under counter: ≤ 6.0 liters/rack • stationary, single tank, door: ≤ 5.3 liters/rack • single tank, conveyor: ≤ 3.8 liters/rack • multiple tank, conveyor: ≤ 3.4 liters/rack • flight machine: ≤ 680 liters/hour	2018-10-18	1039		x		x					1	1		1
Phase 2	H2.6		UBC	3	Lounge	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	H2.6		UBC	3	Lounge	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H2.7		UBC	3	Housekeeping Closet	housekeeping equip	buffer swing		2021-05-20	1054		x		x					1	1		1
Phase 2	H2.7		UBC	3	Housekeeping Closet	cart	housekeeping		2018-10-18	1018.2		x		x					1	1		1
Phase 2	H2.7		UBC	3	Housekeeping Closet	ladder			2018-10-18	1059		x		x					1	1		1
Phase 2	H2.7		UBC	3	Housekeeping Closet	dispenser	detergent		2020-06-01	1041									0	0		0
Phase 2	H2.7		UBC	3	Housekeeping Closet	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H2.7		UBC	3	Housekeeping Closet	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H2.7		UBC	3	Housekeeping Closet	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Library and Study																					
Phase 2	H3.1		UBC	3	Collection	cart	library	book drop	2021-05-20	5016		x		x					1	1		1
Phase 2	H3.2		UBC	3	Study Stations	workstation	office		2018-10-18	5020		x					x		6	6		6
Phase 2	H3.2		UBC	3	Study Stations	table	rectangular	conference	2021-05-20	5018		x					x		1	1		1
Phase 2	H3.2		UBC	3	Study Stations	chair	conference		2021-05-20	5021		x					x		6	6		6
Phase 2	H3.2		UBC	3	Study Stations	television	video conferencing	with projection screen	2018-10-18	6007							x			0	1	1
Phase 2	H3.2		UBC	3	Study Stations	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	H3.2		UBC	3	Study Stations	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	H3.2		UBC	3	Study Stations	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	H3.2		UBC	3	Study Stations	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	H3.2		UBC	3	Study Stations	computer terminal	pc		2018-10-18	6001		p/h			x					0	1	1
Phase 2	H3.2		UBC	3	Study Stations	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	H3.2		UBC	3	Study Stations	container	recycling	large	2018-10-18	1037		x		x					1	1		1

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	Administration Offices																					
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	chair	task	80%	2018-10-18	5006		x					x		2	2		2
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	workstation	height adjustable		2022-04-25	4025		x					x		1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	H4.1		UBC	3	Office Director ICC Family Practice Program Health Professions	table	round		2018-10-18	5019		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	computer terminal	pc		2018-10-18	6001	x				x			1		1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	cabinet	filing	lateral	2018-10-18	5010		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	computer terminal	pc		2018-10-18	6001	x				x			1		1		1

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Phase 2	H4.2		UBC	3	Workstation Administrative Support	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	cabinet	filing	lateral	2018-10-18	5010		x					x		1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H4.2		UBC	3	Workstation Administrative Support	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H4.3		UBC	3	Waiting Area	chair	gang	gang seating	2018-10-18	5008		x					x		2	2		2
Phase 2	H4.3		UBC	3	Waiting Area	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	H4.3		UBC	3	Waiting Area	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	H4.4		UBC	3	Storage Files	cart	wire	to store charts	2018-10-18	1210		x		x					2	2		2
Phase 2	H4.4		UBC	3	Storage Files				2018-10-18			x		x						0		0
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	printer	mfd		2018-10-18	6004	x				x			1		1		1
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	cabinet	filing	lateral	2018-10-18	5010		x					x		1	1		1
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H4.5		UBC	3	Work Area Copier Fax Supplies	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	H4.6		UBC	3	Mail Slots (Post-Grad Trainees, Ugrad Students)	container	recycling	large	2018-10-18	1037		x		x					1	1		1
	Main Entrance Lobby Gen Supp																					
		Main Entrance Lobby and General Support facilities																				
Phase 2	I1.1		MEL	1	Entrance Vestibule				2018-10-18			x		x						0		0
Phase 2	I1.2		MEL	1	Respiratory Station	station	hygiene	CSCI: per SoR clause 5.7.1.6	2021-03-18	1224		x							1	1		1
Phase 2	I1.2		MEL	1	Respiratory Station				2018-10-18			x		x						0		0

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Phase 2	I1.3		MEL	1	Registration Kiosk Electronic				2018-10-18			x		x						0		0
Phase 2	I1.4		MEL	1	Volunteer Security Desk	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	I1.4		MEL	1	Volunteer Security Desk	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	I1.4		MEL	1	Volunteer Security Desk	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	I1.4		MEL	1	Volunteer Security Desk	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I1.4		MEL	1	Volunteer Security Desk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I1.4		MEL	1	Volunteer Security Desk	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I1.6		MEL	1	Main Lobby Waiting Area	chair	gang	gang seating	2018-10-18	5008		x					x		24	24		24
Phase 2	I1.6		MEL	1	Main Lobby Waiting Area	container	garbage	medium	2021-05-20	1035		x		x					2	2		2
Phase 2	I1.6		MEL	1	Main Lobby Waiting Area	television			2018-10-18	6006		x		x					2	2		2
Phase 2	I1.6		MEL	1	Main Lobby Waiting Area	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	I1.6		MEL	1	Main Lobby Waiting Area	table	end		2018-10-18	5017		x					x		2	2		2
Phase 2	I1.6		MEL	1	Main Lobby Waiting Area	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	I1.6		MEL	1	Main Lobby Waiting Area	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I1.6.1		MEL	1	Donor Wall				2018-10-18											0		0
Phase 2	I1.6.2		MEL	1	Child Play Area	table	child		2021-05-20	5031		x		x					1	1		1
Phase 2	I1.6.2		MEL	1	Child Play Area	chair	child		2021-05-20	5041		x		x					6	6		6
Phase 2	I1.6.2		MEL	1	Child Play Area	toys	child		2021-05-20			x		x					1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1

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Phase 2	I1.9		MEL	1	Public Washroom	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	I1.9		MEL	1	Public Washroom	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	I1.10		MEL	1	Washroom Bariatric Family	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	I1.10		MEL	1	Washroom Bariatric Family	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	I1.10		MEL	1	Washroom Bariatric Family	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	I1.10		MEL	1	Washroom Bariatric Family	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	I1.10		MEL	1	Washroom Bariatric Family	table	baby change	pulldown	2021-09-17											0		0
Phase 2	I1.11		MEL	1	Breastfeeding Room	chair	healthcare seating		2018-10-18	5004		x					x		2	2		2
Phase 2	I1.11		MEL	1	Breastfeeding Room	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I1.11		MEL	1	Breastfeeding Room	chair	breastfeeding		2022-02-25	1173.2		x		x					3	3		3
Phase 2	I1.11		MEL	1	Breastfeeding Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	I1.11		MEL	1	Breastfeeding Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	I1.11		MEL	1	Breastfeeding Room	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	I1.12		MEL	1	Alcove ATM				2018-10-18											0		0
Phase 2	I1.13		MEL	1	Alcove Parking Pay Station				2018-10-18											0		0
Phase 2	I1.14		MEL	1	Alcove Vending Machine				2018-10-18											0		0
Phase 2	I1.15		MEL	1	Alcove Wheelchair	wheelchair		with corral	2021-05-20	1089.1				x						0	12	12
	Staff Support Facilities																					
Phase 2	I1.16		MEL	1	Housekeeping Closet	vacuum	housekeeping		2018-10-18	1337		x		x					1	1		1
Phase 2	I1.16		MEL	1	Housekeeping Closet	cart	wire		2018-10-18	1210		x		x					1	1		1
Phase 2	I1.16		MEL	1	Housekeeping Closet	ladder			2018-10-18	1059		x		x					1	1		1
Phase 2	I1.16		MEL	1	Housekeeping Closet	dispenser	detergent		2020-06-01	1041									0	0		0
Phase 2	I1.16		MEL	1	Housekeeping Closet	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	I1.16		MEL	1	Housekeeping Closet	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	I1.16		MEL	1	Housekeeping Closet	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	I1.21		MEL	1	Housekeeping Room	vacuum	housekeeping		2018-10-18	1337		x		x					1	1		1
Phase 2	I1.21		MEL	1	Housekeeping Room	cart	wire		2018-10-18	1210		x		x					1	1		1
Phase 2	I1.21		MEL	1	Housekeeping Room	dispenser	glove	quad universal	2021-10-25	1042.6		x	x						1	1		1

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Phase 2	I1.21		MEL	1	Housekeeping Room	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	I1.21		MEL	1	Housekeeping Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	I1.21		MEL	1	Housekeeping Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	I1.21		MEL	1	Housekeeping Room	cart	housekeeping		2018-10-18	1018.2		x		x					1	1		1
	Registration/Admitting Area																					
Phase 2	I2.1		MEL	1	Registration Desk	chair	task	80%	2018-10-18	5006		x					x		2	2		2
Phase 2	I2.1		MEL	1	Registration Desk	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	I2.1		MEL	1	Registration Desk	keyboard tray			2018-10-18	5011		x					x		2	2		2
Phase 2	I2.1		MEL	1	Registration Desk	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I2.1		MEL	1	Registration Desk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.1		MEL	1	Registration Desk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.1		MEL	1	Registration Desk	computer terminal	pc		2018-10-18	6001		x			x				2	2		2
Phase 2	I2.1		MEL	1	Registration Desk	telephone			2018-10-18	6005		x			x				2	2		2
Phase 2	I2.1		MEL	1	Registration Desk	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	I2.2		MEL	1	Registration Cubicle	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	I2.2		MEL	1	Registration Cubicle	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	I2.2		MEL	1	Registration Cubicle	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	I2.2		MEL	1	Registration Cubicle	telephone			2018-10-18	6005		x			x				1	1		1

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Phase 2	I2.2.1		MEL	1	Alcove Pneumatic Tube Station	cart	lakeside		2021-05-20	1020		x		x					1	1		1
Phase 2	I2.2.2		MEL	1	Alcove Label Makers and Printers															0		0
Phase 2	I2.2.3		MEL	1	Business Machine Room File Storage	printer	mfd		2018-10-18	6004		x			x				1	1		1
Phase 2	I2.2.3		MEL	1	Business Machine Room File Storage	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		2	2		2
Phase 2	I2.2.3		MEL	1	Business Machine Room File Storage	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.3		MEL	1	Cash Counting Room				2018-10-18											0		0
Phase 2	I2.4		MEL	1	Waiting Area Registration	chair	gang	gang seating	2018-10-18	5008		x					x		12	12		12
Phase 2	I2.4		MEL	1	Waiting Area Registration	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I2.4		MEL	1	Waiting Area Registration	television			2018-10-18	6006		x		x					2	2		2
Phase 2	I2.4		MEL	1	Waiting Area Registration	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	I2.4		MEL	1	Waiting Area Registration	table	end		2018-10-18	5017		x					x		1	1		1
Phase 2	I2.4		MEL	1	Waiting Area Registration	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	I2.5		MEL	1	Vendor Kiosk Space				2018-10-18											0		0
Phase 2	I2.6		MEL	1	Mailroom	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.6		MEL	1	Mailroom				2018-10-18											0		0
	Work Support Area																					
Phase 2	I2.7		MEL	1	Office Private Manager	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	I2.7		MEL	1	Office Private Manager	workstation	height adjustable		2022-04-25	4025		x					x		1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I2.7		MEL	1	Office Private Manager	table	round		2018-10-18	5019		x					x		1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	I2,8		MEL	1	Workstation Touchdown	chair	task	60%	2018-10-18	5003		x					x		1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	workstation	office		2018-10-18	5020		x					x		1	1		1

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Phase 2	I2.8		MEL	1	Workstation Touchdown	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	chair	task	60%	2018-10-18	5003		x					x		1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I2.8		MEL	1	Workstation Touchdown	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	dispenser	paper towel		2021-04-14	1044		x	x						2	2		2
Phase 2	I2.9		MEL	1	Lounge Staff	dispenser	soap		2018-10-18	1045		x	x						2	2		2
Phase 2	I2.9		MEL	1	Lounge Staff	computer terminal	pc		2018-10-18	6001		p/h			x					0	1	1
Phase 2	I2.9		MEL	1	Lounge Staff	workstation	office	computer	2018-10-18	5020		x					x		1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	television			2018-10-18	6006		x		x					1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	chair	healthcare seating		2018-10-18	5004		x					x		2	2		2
Phase 2	I2.9		MEL	1	Lounge Staff	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	I2.9		MEL	1	Lounge Staff	table	rectangular or round?		2021-05-20	5018/5019		x					x		1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	refrigerator	domestic	full size with freezer	2021-05-20	1076		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	I2.9		MEL	1	Lounge Staff	dishwasher		dishwashers LEED requirements are: • residential (standard and compact): ENERGY STAR • under counter: ≤ 6.0 liters/rack • stationary, single tank, door: ≤ 5.3 liters/rack • single tank, conveyor: ≤ 3.8 liters/rack • multiple tank, conveyor: ≤ 3.4 liters/rack • flight machine: ≤ 680 liters/hour	2018-10-18	1039		x	x						1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	container	garbage	medium	2021-05-20	1035		x		x					1	1	1		1
Phase 2	I2.9		MEL	1	Lounge Staff	container	recycling	large	2018-10-18	1037		x		x					1	1	1		1
Phase 2	I2.9.1		MEL	1	Lockers Staff	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1	1		1
Phase 2	I2.9.1		MEL	1	Lockers Staff				2018-10-18					x						0		0
Phase 2	I2.10		MEL	1	Washroom Staff	dispenser	paper towel		2018-10-18	1044		x	x						1	1	1		1
Phase 2	I2.10		MEL	1	Washroom Staff	dispenser	soap		2018-10-18	1045		x	x						1	1	1		1
Phase 2	I2.10		MEL	1	Washroom Staff	dispenser	toilet paper		2018-10-18	1046		x	x						1	1	1		1
Phase 2	I2.10		MEL	1	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1	1		1
	Sacred Space																						
Phase 2	I3.1		MEL	1	Interfaith Room Universal Sacred Space	refrigerator	domestic	full size with freezer	2021-05-20	1076		x		x					1	1	1		1
Phase 2	I3.1		MEL	1	Interfaith Room Universal Sacred Space	microwave	commercial		2018-10-18	1066		x		x					1	1	1		1
Phase 2	I3.1		MEL	1	Interfaith Room Universal Sacred Space	chair	visitor		2018-10-18	5007		x					x		20	20		20
Phase 2	I3.1		MEL	1	Interfaith Room Universal Sacred Space	container	garbage	large	2021-05-20	1035.1		x		x					1	1	1		1
Phase 2	I3.1		MEL	1	Interfaith Room Universal Sacred Space	container	recycling	large	2018-10-18	1037		x		x					1	1	1		1
Phase 2	I3.1		MEL	1	Interfaith Room Universal Sacred Space	table	end		2018-10-18	5017		x					x		2	2		2
Phase 2	I3.1		MEL	1	Interfaith Room Universal Sacred Space	table	rectangular or round?		2021-05-20	5018/5019		x					x		2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	I3.1.1		MEL	1	Vestibule, Entry to Interfaith Room/ Universal Sacred Space				2018-10-18			x		x								
Phase 2	I3.2		MEL	1	Storage Room Interfaith Universal Sacred Space	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	I3.2		MEL	1	Storage Room Interfaith Universal Sacred Space	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	I6.1		MEL		Office Chief of Staff	workstation	height adjustable		2022-04-25	4025		x					x		1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I6.1		MEL		Office Chief of Staff	table	round		2018-10-18	5019		x					x		1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	computer terminal	pc		2018-10-18	6001	x				x			1		1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	workstation	height adjustable		2022-04-25	4025		x					x		1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	cabinet	filing	lateral	2018-10-18	5010		x					x		1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	I6.2		MEL		Office Medical Admin Assistant	container	recycling	large	2018-10-18	1037		x		x					1	1		1
	Hot Room																					

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Phase 2	O1.1		HOTR		Hot Room	dryer	commercial	to kill bed bugs	2021-11-26	1369.2		x		x					1	1		1
	Acute Adult Inpatient Psychiatric Unit																					
	Unit Entrance																					
Phase 2	F1.1		AAIP	2	Waiting Area	chair	gang	gang seating	2018-10-18	5008		x					x		12	12		12
Phase 2	F1.1		AAIP	2	Waiting Area	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	F1.1		AAIP	2	Waiting Area	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F1.1		AAIP	2	Waiting Area	television	entertainment	public 55"	2018-10-18	6006		x		x					2	2		2
Phase 2	F1.1		AAIP	2	Waiting Area	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	F1.2		AAIP	2	Lockers Patient Visitor	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	F1.2		AAIP	2	Lockers Patient Visitor				2018-10-18											0		0
Phase 2	F1.3		AAIP	2	Washroom Public	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F1.3		AAIP	2	Washroom Public	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F1.3		AAIP	2	Washroom Public	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F1.3		AAIP	2	Washroom Public	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Admissions																					
Phase 2	F2.1		AAIP	2	Interview Consultation Room	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	F2.1		AAIP	2	Interview Consultation Room	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	F2.1		AAIP	2	Interview Consultation Room	workstation			2018-10-18	5020		x					x		1	1		1
Phase 2	F2.1		AAIP	2	Interview Consultation Room	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	F2.1		AAIP	2	Interview Consultation Room	chair	healthcare seating		2018-10-18	5004		x					x		2	2		2
Phase 2	F2.2		AAIP	2	Alcove Linen	cart	linen	24"D x 63"L x 67.5"H	2021-11-18	1021.9		x		x					1	1		1
Phase 2	F2.2		AAIP	2	Alcove Linen				2018-10-18			x							1	1		1
Phase 2	F2.3		AAIP	2	Washroom Client	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F2.3		AAIP	2	Washroom Client	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F2.3		AAIP	2	Washroom Client	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F2.3		AAIP	2	Washroom Client	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F2.4		AAIP	2	Preadmission Room	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1

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Phase 2	F2.4		AAIP	2	Preadmission Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F2.4		AAIP	2	Preadmission Room	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F2.4		AAIP	2	Preadmission Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F2.4		AAIP	2	Preadmission Room	dryer	commercial	to kill bed bugs	2021-11-26	1369.2		x		x					1	1		1
Phase 2	F2.4		AAIP	2	Preadmission Room	oven	commercial		2018-10-18	1338		x		x					1	1		1
Phase 2	F2.5		AAIP	2	Storage Room Secure Patient	cart	wire		2018-10-18	1210		x		x					2	2		2
Phase 2	F2.5		AAIP	2	Storage Room Secure Patient				2018-10-18											0		0
Phase 2	F2.6		AAIP	2	Storage Room Supply				2018-10-18											0		0
Phase 2	F2.7		AAIP	2	Exterior Mustering Area				2018-10-18											0		0
Clinical Area																						
Phase 2	F3.1		AAIP	2	Secure Entry Vestibule				2018-10-18											0		0
Phase 2	F3.1		AAIP	2	Secure Entry Vestibule				2018-10-18											0		0
Phase 2	F3.1		AAIP	2	Secure Entry Vestibule				2018-10-18											0		0
Phase 2	F3.2		AAIP	2	Washroom Public	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.2		AAIP	2	Washroom Public	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.2		AAIP	2	Washroom Public	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.2		AAIP	2	Washroom Public	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bed	inpatient		2021-05-26	740		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	cabinet	bedside	patient storage	2018-10-18	5002		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	television	entertainment	patient	2022-01-19	6006		x		x						0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	television		2022-01-19	1013		x	x							0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	visitor		2018-10-18	5007		x					x		1	1		1

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Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	paper towel		2018-10-18	1044		x	x						2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	soap		2018-10-18	1045		x	x						2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bed	inpatient		2021-05-26	740		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	cabinet	bedside	patient storage	2018-10-18	5002		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	television	entertainment	patient	2022-01-19	6006		x		x						0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	television		2022-01-19	1013		x	x							0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	paper towel		2018-10-18	1044		x	x						2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	soap		2018-10-18	1045		x	x						2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bed	inpatient		2021-05-26	740	x							1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	sleeper		2018-10-18	1174		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	cabinet	bedside	patient storage	2018-10-18	5002		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	table	overbed		2021-05-20	1082.6		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	television	entertainment	patient	2022-01-19	6006		x		x						0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	television		2022-01-19	1013		x	x							0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	hamper	linen		2021-05-13	1036	x							1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	patient	clinical	2018-10-18	5005		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	pump	infusion		2018-10-18	2041.1	x					x		1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	pole	iv		2018-10-18	1070	x							1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bed	inpatient		2021-05-26	740	x							1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	cabinet	bedside	patient storage	2018-10-18	5002		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	television	entertainment	patient	2022-01-19	6006		x		x						0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	television		2022-01-19	1013		x	x							0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	hamper	linen		2021-05-13	1036	x			x				1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	patient	clinical	2018-10-18	5005		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bed	inpatient		2021-05-26	740		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	cabinet	bedside	patient storage	2018-10-18	5002		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	television	entertainment	patient	2022-01-19	6006		x		x						0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	television		2022-01-19	1013		x	x							0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	hamper	linen		2021-05-13	1036	x			x				1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bed	inpatient		2021-05-26	740		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	cabinet	bedside	patient storage	2018-10-18	5002		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	television	entertainment	patient	2022-01-19	6006		x		x						0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	television		2022-01-19	1013		x	x							0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	hamper	linen		2021-05-13	1036	x			x				1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bed	inpatient		2021-05-26	740	x			x				1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	cabinet	bedside	patient storage	2018-10-18	5002		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	television	entertainment	patient	2022-01-19	6006		x		x						0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	television		2022-01-19	1013		x	x							0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	hamper	linen		2021-05-13	1036	x			x				1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bed	inpatient		2021-05-26	740	x			x				1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	cabinet	bedside	patient storage	2018-10-18	5002		x		x					1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	medical air		2018-10-18	1049		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	flowmeter	oxygen		2018-10-18	1051		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	regulator	vacuum	add nipple	2018-10-18	1079		x		x					2	2		2
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	television	entertainment	patient	2022-01-19	6006		x		x						0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	bracket	television		2022-01-19	1013		x	x							0		0
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	hamper	linen		2021-05-13	1036	x			x				1		1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3		AAIP	2	Patient Room, Private Acute Psychiatric	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F3.3.1		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.3.1		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.4		AAIP	2	Secure Room	mattress	psych		2021-04-14	744		x		x					3	3		3

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F3.5		AAIP	2	Washroom Patient	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.5		AAIP	2	Washroom Patient	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.5		AAIP	2	Washroom Patient	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F3.5		AAIP	2	Washroom Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.6		AAIP	2	Counselling Interview Room	chair	healthcare seating		2018-10-18	5004		x					x		4	4		4
Phase 2	F3.6		AAIP	2	Counselling Interview Room	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	F3.6		AAIP	2	Counselling Interview Room	table	round		2018-10-18	5019		x					x		1	1		1
Phase 2	F3.6		AAIP	2	Counselling Interview Room	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	F3.6		AAIP	2	Counselling Interview Room	chair	healthcare seating		2018-10-18	5004		x					x		4	4		4
Phase 2	F3.6		AAIP	2	Counselling Interview Room	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	F3.6		AAIP	2	Counselling Interview Room	table	round		2018-10-18	5019		x					x		1	1		1
Phase 2	F3.6		AAIP	2	Counselling Interview Room	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	table	exam		2018-10-18	1311		x		x					1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	chair	visitor		2018-10-18	5007		x					x		1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	light	exam	ceiling articulating	2018-10-18	1060		x		x					1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	dispenser	glove	quad universal	2023-01-05	1042.6		x	x						1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	diagnostic set		integrated wall board - w\thermometer	2021-05-20	1098		x				x			1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	workstation			2018-10-18	5020		x					x		1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	hamper	linen	Meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	F3.7		AAIP	2	Exam Room	stool	exam		2021-05-20	5013		x		x					1	1		1
Phase 2	F3.8		AAIP	2	Dining Area	table	round	dining	2021-05-20	5019		x		x			x		4	4		4
Phase 2	F3.8		AAIP	2	Dining Area	chair	visitor		2018-10-18	5007		x					x		12	12		12
Phase 2	F3.8		AAIP	2	Dining Area				2018-10-18											0		0

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	toaster	commercial	medium duty, voltage requirements confirmed as 120v	2021-09-14	1086.4		x		x					1	1		1
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	coffee machine			2022-02-17	1033.6		x		x					1	1		1
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	machine	ice	countertop	2018-10-18	1056.4		x		x					1	1		1
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	microwave	commercial		2021-05-20	1066		x		x					1	1		1
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	refrigerator	domestic	full size with bottom freezer	2021-05-20	1076		x		x					1	1		1
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.8.1		AAIP	2	Alcove Nourishment	container	recycling		2021-09-21	1037		x	x						1	1		1
Phase 2	F3.9		AAIP	2	Group Room	table	rectangular	conference	2021-05-20	5018		x					x		2	2		2
Phase 2	F3.9		AAIP	2	Group Room	chair	conference		2021-05-20	5021		x					x		12	12		12
Phase 2	F3.9		AAIP	2	Group Room	television	video conferencing	with projection screen	2018-10-18	6007		x					x		1	1		1
Phase 2	F3.9		AAIP	2	Group Room	bracket	television		2021-04-15	1013		x					x		1	1		1
Phase 2	F3.9		AAIP	2	Group Room	video conferencing			2021-04-15	6007		x					x		1	1		1
Phase 2	F3.9		AAIP	2	Group Room	computer terminal	pc		2018-10-18	6001		p/h			x					0	1	1
Phase 2	F3.9		AAIP	2	Group Room	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.9		AAIP	2	Group Room	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	F3.9		AAIP	2	Group Room	container	garbage	large	2021-05-20	1035.1		x		x					2	2		2
Phase 2	F3.9		AAIP	2	Group Room	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F3.10		AAIP	2	Lounge Noisy	television			2018-10-18	6006		x		x					1	1		1
Phase 2	F3.10		AAIP	2	Lounge Noisy	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	F3.10		AAIP	2	Lounge Noisy	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.10		AAIP	2	Lounge Noisy	chair	healthcare seating		2018-10-18	5004		x					x		6	6		6
Phase 2	F3.10		AAIP	2	Lounge Noisy	sofa	healthcare seating		2018-10-18	5012		x					x		2	2		2
Phase 2	F3.10		AAIP	2	Lounge Noisy	table	end		2018-10-18	5017		x					x		1	1		1
Phase 2	F3.10		AAIP	2	Lounge Noisy	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	F3.10		AAIP	2	Lounge Noisy	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F3.11		AAIP	2	Lounge Quiet	television			2018-10-18	6006	x			x				1		1		1
Phase 2	F3.11		AAIP	2	Lounge Quiet	bracket	television		2018-10-18	1013	x							1		1		1
Phase 2	F3.11		AAIP	2	Lounge Quiet	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F3.11		AAIP	2	Lounge Quiet	bookcase	tall		2018-10-18	5001		x					x		1	1		1

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Phase 2	F3.11		AAIP	2	Lounge Quiet	chair	healthcare seating		2018-10-18	5004		x					x		10	10		10
Phase 2	F3.11		AAIP	2	Lounge Quiet	sofa	healthcare seating		2018-10-18	5012		x					x		2	2		2
Phase 2	F3.11		AAIP	2	Lounge Quiet	table	end		2018-10-18	5017		x					x		2	2		2
Phase 2	F3.11		AAIP	2	Lounge Quiet	table	rectangular or round?		2021-05-20	5018/5019		x					x		1	1		1
Phase 2	F3.12		AAIP	2	Exercise Room	rehab	small items	misc equipment	2021-05-20	1343		x		x					6	6		6
Phase 2	F3.12		AAIP	2	Exercise Room	treadmill			2018-10-18	1316		x		x					1	1		1
Phase 2	F3.12		AAIP	2	Exercise Room	bike			2018-10-18	1205		x		x					1	1		1
Phase 2	F3.13		AAIP	2	Tub Room	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	F3.13		AAIP	2	Tub Room	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.13		AAIP	2	Tub Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.13		AAIP	2	Tub Room	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	F3.14		AAIP	2	Laundry Patient	washer	commercial	must be Energy Star labelled	2018-10-18	1325.1		x		x					1	1		1
Phase 2	F3.14		AAIP	2	Laundry Patient	dryer	commercial		2018-10-18	1326.6		x		x					1	1		1
Phase 2	F3.14		AAIP	2	Laundry Patient	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.15		AAIP	2	Alcove Hygiene Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.15		AAIP	2	Alcove Hygiene Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.15		AAIP	2	Alcove Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.15		AAIP	2	Alcove Hygiene Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F3.15		AAIP	2	Alcove Hygiene Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F3.15		AAIP	2	Alcove Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F3.16		AAIP	2	Secure Patio	furniture	patio	bench	2021-05-20	5033		x		x					2	2		2
Phase 2	F3.16		AAIP	2	Secure Patio				2018-10-18											0		0
	Unit Support Area																					
Phase 2	F4.1		AAIP	2	Unit Clerk	computer terminal	pc		2018-10-18	6001	x				x			1		1		1
Phase 2	F4.1		AAIP	2	Unit Clerk	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F4.1		AAIP	2	Unit Clerk	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	F4.1		AAIP	2	Unit Clerk	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	F4.1		AAIP	2	Unit Clerk	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	F4.1		AAIP	2	Unit Clerk	telephone			2018-10-18	6005		x			x				1	1		1

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Phase 2	F4.1		AAIP	2	Unit Clerk	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	F4.1		AAIP	2	Unit Clerk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F4.1		AAIP	2	Unit Clerk	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F4.2		AAIP	2	Care Team Station	printer	laser		2018-10-18	6004.1	x				x			1		1		1
Phase 2	F4.2		AAIP	2	Care Team Station	telephone			2018-10-18	6005		x			x				2	2		2
Phase 2	F4.2		AAIP	2	Care Team Station	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F4.2		AAIP	2	Care Team Station	chair	task	60%	2018-10-18	5003		x					x		4	4		4
Phase 2	F4.2		AAIP	2	Care Team Station	keyboard tray			2018-10-18	5011		x					x		4	4		4
Phase 2	F4.2		AAIP	2	Care Team Station	computer terminal	pc		2018-10-18	6001	x				x			4		4		4
Phase 2	F4.2		AAIP	2	Care Team Station	television	electronic patient board	power and network drop	2018-10-18	6002		x			x				2	2		2
Phase 2	F4.2		AAIP	2	Care Team Station	container	garbage	medium	2021-05-20	1035		x		x					4	4		4
Phase 2	F4.2		AAIP	2	Care Team Station	container	garbage	large	2021-05-20	1035.1		x		x					4	4		4
Phase 2	F4.2		AAIP	2	Care Team Station	bracket	television		2018-10-18	1013		x	x						2	2		2
Phase 2	F4.2.1		AAIP	2	Workroom Care Team Station	workstation	office		2018-10-18	5020		x					x		4	4		4
Phase 2	F4.2.1		AAIP	2	Workroom Care Team Station	chair	task	80%	2018-10-18	5006		x					x		4	4		4
Phase 2	F4.2.1		AAIP	2	Workroom Care Team Station	computer terminal	pc		2018-10-18	6001	x				x			2	2	4		4
Phase 2	F4.2.1		AAIP	2	Workroom Care Team Station	chair	visitor		2018-10-18	5007		x					x		4	4		4
Phase 2	F4.2.1		AAIP	2	Workroom Care Team Station	table	rectangular or round?		2021-05-20	5018/5019		x					x		1	1		1
Phase 2	F4.2.2		AAIP	2	Workstation Touchdown	computer terminal	pc		2021-05-20	6001		x			x				1	1		1
Phase 2	F4.2.2		AAIP	2	Workstation Touchdown	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	F4.2.2		AAIP	2	Workstation Touchdown	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	F4.2.3		AAIP	2	Workstation Learner	computer terminal	pc		2021-05-20	6001		x			x				1	1		1
Phase 2	F4.2.3		AAIP	2	Workstation Learner	workstation	office		2018-10-18	5020		x					x		1	1		1
Phase 2	F4.2.3		AAIP	2	Workstation Learner	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	F4.3		AAIP	2	Workroom Business Machine Room	printer			2018-10-18	6004		x			x				1	1		1
Phase 2	F4.3		AAIP	2	Workroom Business Machine Room	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		1	1		1
Phase 2	F4.3		AAIP	2	Workroom Business Machine Room	shredder	paper	large	2021-05-20	1304		x		x					1	1		1
Phase 2	F4.3		AAIP	2	Workroom Business Machine Room	cabinet	filing		2018-10-18	5010		x					x		1	1		1
Phase 2	F4.3		AAIP	2	Workroom Business Machine Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F4.3		AAIP	2	Workroom Business Machine Room	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F4.4		AAIP	2	Alcove Hygiene Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1

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Phase 2	F4.4		AAIP	2	Alcove Hygiene Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F4.4		AAIP	2	Alcove Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	medication management system		seismic restraint required	2020-03-03	1072		x				x			1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	container	sharps	small tamper proof	2018-10-18	1038.16		x	x						1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	bracket	sharps	small tamper proof	2018-10-18	1038.31		x	x						1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	refrigerator	vaccine	all-fridge	2021-05-20	1077		x	x						1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	bin	tilt	for small items	2021-06-29	1004				x					1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	dispenser	waterless	hand wash	2021-05-20	1048		x	x						1	1		1
Phase 2	F4.5		AAIP	2	Medication Room	container	pharmaceutical waste	3.8l (IH# 1056776) - order wall mount bracket (IH# 1056775)	2022-07-08	1341.4 / 1341.6	x							1		1		1
Phase 2	F4.5		AAIP	2	Medication Room	bin system		qty volumes are for budget allocation only. System size is not determined at this time and should evolve with design.	2018-10-18	1011		x	x						2	2		2
Phase 2	F4.6		AAIP	2	Storage Room Equipment	bin system		qty volumes are for budget allocation only. System size is not determined at this time and should evolve with design.	2018-10-18	1011		x	x						2	2		2
Phase 2	F4.6		AAIP	2	Storage Room Equipment	cart	crash		2018-10-18	2009	x					x		1		1		1
Phase 2	F4.6		AAIP	2	Storage Room Equipment	defibrillator		crash cart	2018-10-18	2020	x					x		1		1		1
Phase 2	F4.6		AAIP	2	Storage Room Equipment	suction machine	portable	crash cart	2022-02-25	2052.2	x					x		1		1		1
Phase 2	F4.6		AAIP	2	Storage Room Equipment	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F4.7		AAIP	2	Storage Room General	cart	wire		2018-10-18	1210		x		x					2	2		2
Phase 2	F4.8		AAIP	2	Food Servery	toaster	commercial	once determined, confirm voltage requirements with DB	2021-05-19	1086										0		0
Phase 2	F4.8		AAIP	2	Food Servery	coffee machine		with hot water	2021-05-19	1033										0		0
Phase 2	F4.8		AAIP	2	Food Servery	machine	ice	countertop	2021-05-19	1056.4										0		0

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Phase 2	F4.8		AAIP	2	Food Servery	microwave	commercial		2021-05-19	1066										0		0
Phase 2	F4.8		AAIP	2	Food Servery	refrigerator	commercial		2021-05-19	1302										0		0
Phase 2	F4.8		AAIP	2	Food Servery	freezer	commercial	alarm to bms	2021-05-19	1195										0		0
Phase 2	F4.8		AAIP	2	Food Servery	container	garbage	large	2021-05-19	1035.1										0		0
Phase 2	F4.8		AAIP	2	Food Servery	dispenser	soap		2021-05-19	1045										0		0
Phase 2	F4.8		AAIP	2	Food Servery	dispenser	paper towel		2021-05-19	1044										0		0
Phase 2	F4.8		AAIP	2	Food Servery	blender			2021-05-19	1237.2										0		0
Phase 2	F4.8		AAIP	2	Food Servery	kitchenware	pot pan		2021-05-19	1334										0		0
Phase 2	F4.8		AAIP	2	Food Servery	cart	hot cold		2021-05-19	1339										0		0
Phase 2	F4.8		AAIP	2	Food Servery	cart	lakeside	dirty return	2021-05-19	1020.4										0		0
Phase 2	F4.8		AAIP	2	Food Servery	cart	lakeside	delivery	2021-05-19	1020.4										0		0
Phase 2	F4.8		AAIP	2	Food Servery	oven	combi		2021-05-19	1338										0		0
Phase 2	F4.8		AAIP	2	Food Servery	cabinet	storage food		2021-05-19	1342										0		0
Phase 2	F4.8		AAIP	2	Food Servery	range	induction		2021-05-19	1298										0		0
Phase 2	F4.9		AAIP	2	Housekeeping Room	vacuum	housekeeping		2018-10-18	1337		x		x					1	1		1
Phase 2	F4.9		AAIP	2	Housekeeping Room	cart	wire		2018-10-18	1210		x		x					1	1		1
Phase 2	F4.9		AAIP	2	Housekeeping Room	ladder	4'		2018-10-18	1059		x		x					1	1		1
Phase 2	F4.9	phase 2	AAIP	2	Housekeeping Room	dispenser	detergent		2018-10-18	1041		x							1	1		1
Phase 2	F4.9		AAIP	2	Housekeeping Room	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F4.9		AAIP	2	Housekeeping Room	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F4.9		AAIP	2	Housekeeping Room	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F4.9		AAIP	2	Housekeeping Room	housekeeping equip	buffer swing		2021-05-20	1054		x		x					1	1		1
Phase 2	F4.9		AAIP	2	Housekeeping Room	cart	housekeeping		2018-10-18	1018.2		x		x					1	1		1
Phase 2	F4.10		AAIP	2	Utility Room Soiled	macerator			2021-05-20	1063.2		x	x						1	1		1
Phase 2	F4.10		AAIP	2	Utility Room Soiled	dispenser	paper towel		2021-05-20	1044		x	x						2	2		2
Phase 2	F4.10		AAIP	2	Utility Room Soiled	dispenser	soap		2021-05-20	1045		x	x						2	2		2
Phase 2	F4.10		AAIP	2	Utility Room Soiled	container	garbage	medium	2021-08-19	1035		x		x					2	2		2
Phase 2	F4.10		AAIP	2	Utility Room Soiled	bin	garbage		2021-10-18	1007										0		0
Phase 2	F4.10		AAIP	2	Utility Room Soiled	bin	linen	soiled	2021-10-18	1008										0		0
Phase 2	F4.10		AAIP	2	Utility Room Soiled	bin	recycling		2021-10-18	1009										0		0
Phase 2	F4.10		AAIP	2	Utility Room Soiled	container	biohazard	23 litre/6 gallon cytotoxic	2022-05-10	1005.2		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F4.10		AAIP	2	Utility Room Soiled	cart	wire	for soiled equip	2021-05-20	1210		x		x					1	1		1
Phase 2	F4.10		AAIP	2	Utility Room Soiled	dispenser	glove	quad universal	2018-10-18	1042		x	x						1	1		1
Phase 2	F4.11		AAIP	2	Utility Room Clean	bin system		qty volumes are for budget allocation only. System size is not determined at this time and should evolve with design.	2018-10-18	1011		x	x						3	3		3
Phase 2	F4.11		AAIP	2	Utility Room Clean	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F4.11		AAIP	2	Utility Room Clean	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F4.11		AAIP	2	Utility Room Clean	pump	epidural pain		2018-10-18	2040	x					x		1		1		1
Phase 2	F4.11		AAIP	2	Utility Room Clean	pole	iv		2018-10-18	1070	x			x				1		1		1
Phase 2	F4.11		AAIP	2	Utility Room Clean	rack	wire supply	Vernacare	2021-08-20	1201		x		x					1	1		1
	Staff Support Area																					
Phase 2	F5.1		AAIP	2	Office Private Manager	computer terminal	pc		2018-10-18	6001		x			x				1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	F5.1		AAIP	2	Office Private Manager	workstation	height adjustable		2022-04-25	4025		x					x		1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	keyboard tray			2018-10-18	5011		x					x		1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	telephone			2018-10-18	6005		x			x				1	1		1
Phase 2	F5.1		AAIP	2	Office Private Manager	table	round		2018-10-18	5019		x					x		1	1		1
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	computer terminal	pc		2018-10-18	6001	x				x			2		2		2
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	chair	task	80%	2018-10-18	5006		x					x		1	1		1
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	chair	visitor		2018-10-18	5007		x					x		2	2		2
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	workstation	height adjustable		2022-04-25	4025		x					x		2	2		2
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	cabinet	filing	lateral 4 drawer	2018-10-18	5010		x					x		1	1		1
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	keyboard tray			2018-10-18	5011		x					x		2	2		2
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	container	garbage	medium	2021-05-20	1035		x		x					2	2		2

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	container	recycling	large	2018-10-18	1037		x		x					2	2		2
Phase 2	F5.2		AAIP	2	Office shared PCC and Nurse Educator	telephone			2018-10-18	6005		x			x				2	2		2
Phase 2	F5.3		AAIP	2	Washroom Staff	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F5.3		AAIP	2	Washroom Staff	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F5.3		AAIP	2	Washroom Staff	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F5.3		AAIP	2	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
	Staff Amenity Area																					
Phase 2	F6.1		AAIP	2	Staff Lounge	dispenser	paper towel		2021-04-14	1044		x	x						1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	computer terminal	pc		2021-06-14	6001					x					0	0	0
Phase 2	F6.1		AAIP	2	Staff Lounge	workstation	office	computer	2018-10-18	5020		x					x		1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	television			2018-10-18	6006				x						0	1	1
Phase 2	F6.1		AAIP	2	Staff Lounge	bracket	television		2018-10-18	1013		x	x						1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	whiteboard	magnetic		2018-10-18	1090		x	x						1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	bookcase	tall		2018-10-18	5001		x					x		1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	chair	healthcare seating		2018-10-18	5004		x					x		4	4		4
Phase 2	F6.1		AAIP	2	Staff Lounge	chair	visitor		2018-10-18	5007		x					x		8	8		8
Phase 2	F6.1		AAIP	2	Staff Lounge	table	end		2018-10-18	5017		x					x		2	2		2
Phase 2	F6.1		AAIP	2	Staff Lounge	table	rectangular or round?		2021-05-20	5018/5019		x					x		2	2		2
Phase 2	F6.1		AAIP	2	Staff Lounge	refrigerator	domestic	full size with freezer	2021-11-29	1076		x		x				1		1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	dishwasher		dishwashers LEED requirements are: • residential (standard and compact): ENERGY STAR • under counter: ≤ 6.0 liters/rack • stationary, single tank, door: ≤ 5.3 liters/rack • single tank, conveyor: ≤ 3.8 liters/rack • multiple tank, conveyor: ≤ 3.4 liters/rack • flight machine: ≤ 680 liters/hour	2018-10-18	1039		x		x					1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	coffee machine		Keurig	2021-05-20	1033.1		x		x					1	1		1

Zone	Room Code	Room Number	Department Abbreviation	Level	Space	General Item Description	Further Item Description	Item Comments	Date of Change	Equipment Number	Relocated Equipment	New Equipment	Category 1A IH Supply/Contractor Install - Pre Substantial Completion	Category 1B IH Supply/Contractor Install - Post Substantial Completion	Category 2 IH Supply, IH Install - DH	Category 3 IH Supply, IH Install - Biomed	Category 4 IH Supply, Vendor Install	Qty Relocated for Opening - Align w/Operational Commissioning	QTY New for Opening	Total Opening Requirements	Placeholder Qty	Total Equipment Requirements
Phase 2	F6.1		AAIP	2	Staff Lounge	toaster	commercial	once determined, confirm voltage requirements with DB	2018-10-18	1086		x		x					1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	microwave	commercial		2018-10-18	1066		x		x					1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	container	garbage	medium	2021-05-20	1035		x		x					1	1		1
Phase 2	F6.1		AAIP	2	Staff Lounge	container	recycling	large	2018-10-18	1037		x		x					1	1		1
Phase 2	F6.1.1		AAIP	2	Alcove Hand Hygiene Sink	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F6.1.1		AAIP	2	Alcove Hand Hygiene Sink	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F6.1.1		AAIP	2	Alcove Hand Hygiene Sink	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
Phase 2	F6.2		AAIP	2	Lockers Staff	hamper	linen	meditek 445-0200-0016 - hamper 445-0200-0017 bag holder 445-0200-0018 bottom riser	2021-05-13	1036		x		x					1	1		1
Phase 2	F6.3		AAIP	2	Washroom Staff	dispenser	paper towel		2018-10-18	1044		x	x						1	1		1
Phase 2	F6.3		AAIP	2	Washroom Staff	dispenser	soap		2018-10-18	1045		x	x						1	1		1
Phase 2	F6.3		AAIP	2	Washroom Staff	dispenser	toilet paper		2018-10-18	1046		x	x						1	1		1
Phase 2	F6.3		AAIP	2	Washroom Staff	container	garbage	large	2021-05-20	1035.1		x		x					1	1		1
					Maintenance	blower	snow		2021-04-14			x		x					1	1		1

TABLE 1: Building Systems included in Cx process by Cx Authority and Level of Involvement by Cx Authority

	Authority	Design-Builder		Building Systems included in Cx process by Cx Authority, and Level of Involvement by Cx Authority																
Commissioning Task	**Authority/ Rep. Role**	**Cx Authority**	**Consultant & Contractor Roles**	**LEED Energy-related systems for LEED v4 EAp1 / EAc1 Option 1 Path 1: -Mechanical, including HVAC&R equipment and controls -Plumbing, including domestic hot water systems, pumps, and controls -Electrical, incl. service, distribution, lighting and lighting controls and daylighting controls -Renewable Energy systems**	**Building Envelope for LEED EAc1 Option 2, Building Envelope Cx**	**Architectural Systems - Wall assemblies, Floor/ceiling assemblies, Interior space assemblies, Acoustic barriers, Hardware**	**Vert/Horiz transportation systems**	**High Voltage Electrical Service**	**High Voltage Electrical Distribution (main and branch)**	**Fire Alarm and Detection Systems**	**Plumbing Systems - External water distribution, non potable & process water, water purification systems, drainage systems, stormwater connections**	**Fire Protection Systems**	**Other Health Care Facility Mechanical Systems - Natural gas, propane, fuel transfer systems, Kitchen NFPA 96 exhaust**	**Emergency Generator/ATS**	**UPS**	**Electronic Safety & Security - Access Control, Intrusion Detection, IP Video Surveillance System**	**Communications - Structured cabling, wireless systems, nurse call, call assist, paging systems, intercom systems, life safety comm systems**	**Health Care Facility Integrated Systems and Controls**	**M&V Energy Metering and Fault Detection and Diagnostic Systems**	**Authority Supplied Equipment and Clinical Cx**
30% Phase																				
Review OPRs	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Confirm Cx Roles and Responsibilities	**R**	**L**		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Develop BOD	**R**	**P**	**L**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Develop Initial Cx Plan Outline	**R**	**L**		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Develop Initial Cx Schedule	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Hold 30% Phase Cx Meetings	**P**	**L**		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Identify Project Specific Cx Responsibilities	**R**	**L**		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Design & Construction Documents Phases																				
Verify OPR & BOD for completeness & clarity	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Perform Cx focused reviews of output drawings and specifications and report directly to Authority. Cx focused reviews shall also include review of the Facility infrastructure's ability to serve Authority supplied equipment.	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Meet with Authority to relay findings from Cx focused reviews of output drawings and specifications and incorporate Authority's comments.	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Plan/Prepare Sample Verification Checklists and Test Procedures	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Define Requirements for Systems Operations Manuals	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Determine Operational Training requirements	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Develop Cx specifications	**R**	**L**	**L**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Update Cx Schedule	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Update Cx Plan	**R**	**L**		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Construction Phase																				
Integrate Cx activities into project schedule	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Participate in Construction phase kickoff and progress meetings	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Review Contractor submissions and shop drawings from a Cx perspective and report directly to Authority and incorporate Authority comments. Installation and operations manuals (IOMs) shall be included with shop drawing submissions and reviewed by the CxA. Ensure that shop drawings for any approved alternate equipment are also reviewed by the CxA.	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Construct Mock-ups	**P**	**P**	**L**	yes	yes	yes														
Update OPR & BOD review if appropriate at this time.	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Update Cx Plan to include final equipment selections.	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Conduct regular Commissioning meetings with all applicable contractors and consultants present. Ensure sufficient notice is provided to the Authority for Authority participation in these meetings.	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

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Commissioning Task	**Authority/ Rep. Role**	**Cx Authority**	**Consultant & Contractor Roles**	**LEED Energy-related systems for LEED v4 EAp1 / EAc1 Option 1 Path 1: -Mechanical, including HVAC&R equipment and controls -Plumbing, including domestic hot water systems, pumps, and controls -Electrical, incl. service, distribution, lighting and lighting controls and daylighting controls -Renewable Energy systems**	**Building Envelope for LEED EAc1 Option 2, Building Envelope Cx**	**Architectural Systems - Wall assemblies, Floor/ceiling assemblies, Interior space assemblies, Acoustic barriers, Hardware**	**Vert/Horiz transportation systems**	**High Voltage Electrical Service**	**High Voltage Electrical Distribution (main and branch)**	**Fire Alarm and Detection Systems**	**Plumbing Systems - External water distribution, non potable & process water, water purification systems, drainage systems, stormwater connections**	**Fire Protection Systems**	**Other Health Care Facility Mechanical Systems - Natural gas, propane, fuel transfer systems, Kitchen NFPA 96 exhaust**	**Emergency Generator/ATS**	**UPS**	**Electronic Safety & Security - Access Control, Intrusion Detection, IP Video Surveillance System**	**Communications - Structured cabling, wireless systems, nurse call, call assist, paging systems, intercom systems, life safety comm systems**	**Health Care Facility Integrated Systems and Controls**	**M&V Energy Metering and Fault Detection and Diagnostic Systems**	**Authority Supplied Equipment and Clinical Cx**
Prepare detailed Commissioning schedule clearly identifying dates for static verification, start-up, functional performance and integrated system testing. The schedule will include duration of tasks and critical path items required to proceed with Commissioning tasks.	**R**	**P**	**L**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Perform & Document static verification	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Perform & Document start-up	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Perform & Document functional performance testing	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Perform & Document Integrated Systems Testing per CAN/ULC S1001 for Fire Protection and Life Safety Systems and CSA-Z8001.	**R**	**L**	***P***	*yes*	*yes*		*yes*			*yes*		*yes*	*yes*		*yes*	*yes*	*yes*			*yes*
Prepare and Update Issues Logs	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Resolve Issues resulting from Tests	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Prepare Authority Training Agenda	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Verify, Review & Conduct Training	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Review Systems Operations Manual	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Prepare Cx Report	**R**	**L**		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Prepare Cx Manual	**R**	**L**		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Occupancy & Operations Phase																				
Resolve outstanding Cx issues	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Perform seasonal/ deferred testing	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Perform Smart Cx / Monitoring Based Cx analysis (quarterly, at minimum)	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Resolve Issues Resulting from Seasonal/deferred tests	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Update Issues Logs resulting from seasonal/deferred tests	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Perform Warranty review	**P**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Close-Out Phase																				
Complete Final Cx Report	**R**	**L**	**P**	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Acceptance	**L**																			

NOTES:
1. The list of building systems included is based on CSA Z8001, Table 1 (modified) and is not intended to be exhaustive. Design-Builder will ensure that all CSA Z8001 systems applicable to the Project are included in the Commissioning process, even if not listed here.
2. L = leads/responsible, R = review subject to Review Procedure, P = participates

TABLE 2: COMMISSIONING RESPONSIBILITIES TRACKING (NOTE: This table is provided as an example and is to be completed and further developed in the first draft of the Commissioning Plan and updated thereafter.)

System	Responsible Project Co Consultant	Project Co CxA Design Review Complete? (Y/N)	Trade	Project Co CxA Pre-functional Test Review Complete? (Y/N)	*Responsible Commissioning Representative from Project Co	Installation Predecessors (key requirements for Cx of this Equipment / System)	Installation Successors (key systems enabled as a result of successful Cx of this equipment/system)	Tests Required (Can provide reference to Schedule 3 Section)	Project Co CxA Review and Witness of Functional Tests Complete? (Y/N)	Date of Project Co CxA Review and Witness of Functional Tests	Owner Review and Witness of Functional Tests Complete? (Y/N)	Project Co CxA Review and Witness of Integrated System Tests Complete? (Y/N)	Date of Project Co CxA Review and Witness of Integrated System Tests	Owner Review and Witness of Integrated System Tests Complete? (Y/N)
Mechanical, HVAC, General					Mech. Cx Agent name: ______________			Cx Checklists						
Hot Water Heating Plant & Components – gas inspection, boiler start-up report														
Solar Heating System														
Steam Plant & Components – gas inspection, start-up reports for each component														
Chilled Water Plant & Components														
Process Cooling System														
Heat Recovery System & Components														
Condenser Water System & Components														
Domestic Hot Water Generation														
Hot Water Sterilization														
Reverse Osmosis Systems														
Medical Gas Systems (O2, CO2, N2, NO, Air, Vac)														
Pneumatic Conveying System														
Lab Instrumentation Air System (Gas, N2, Air														
Water Distribution Systems														
Booster and Recirc Pumps, PRVs														
DCW														
DHW														
Tempered														
Irrigation & make-up water (include greywater reclaim components)														
Aeration														
UV system														
Pumping System														
Drainage System														
Sump Pumps														
Sanitary Ejectors														
Separators (grease, oil, solids)														
Condensate (non-steam)														
Acid Neutralizers														
Specialty Drainage – Hemodialysis														
Rainwater Harvesting														
Sanitary Storage														
Plumbing venting system														
Fire Systems														
Fire Pumps														
Wet Systems, Dry Systems, Pre-Action, Dry Agent														
Air Supply														
Storage Tank														
Fire Alarm integration														
Heat Tracing														
Zone Valves														
Kitchen Fire Suppression														
Smoke Control System														
Stair Pressurization														
Smoke Evacuation														
Zone Level Smoke Control (Under all Modes of Operation)														
Inpatient Area / Areas of Refuge / Containment														
Integration with BMS and Life Safety Systems / Fire Alarm Panel														
Fuel Systems														
Natural Gas (interruptible and non-interruptible)														
Fuel Oil Systems (One for Generators, One for Heating) – primary storage, day tanks, transfer pumps, monitoring system, fill system														
Measurement & Verification														
All Meters														
BMS integration														
Archiving														
Fault Detection														
Exhaust Systems														
General Exhaust / Relief														
Process / Fume Exhaust Systems (perchloric, radioactive, etc.)														
Contamination Exhaust (ARR rooms / CL3 / Morgue)														
Kitchen Exhaust														
Parking Exhaust														
Negative Air Exhaust System														
Lab Exhaust														
MDRD Exhaust														
Generator														
Chiller Room														
Smudging Exhaust System														
Fume Hood Certification														
Air Systems														
AHU's														
Supply Fans														
Packaged Supply Air Equipment														
Clean room Systems														
MAU's														
Rooftop Packaged Systems														
Process Cooling System														
Air Filtration Systems														
Testing of all Filtration Systems														
HEPA, Carbon, etc														
Humidification														
PRV's, RPBP's, DCVA's, safety relief valves														
Terminal Units, (VAV's, FCU's, Split Systems, Panels, FFH's, UH's, BBH etc.)														
Pressurization (Zone pressurization, room pressurization, Clean rooms, CL3, AIRs, AIR-Hybrid, PCR, etc														
Natural Gas Feed														
Renewable Energy Systems														
Zone Level Smoke Control under all Modes of Operation														
Smoke Control - Patient areas														
Smoke Control - Areas of Refuge and Containment														
M&V														
BMS Controls														
Integration of BMS and Life Safety														
Exhaust Systems: general exhaust / relief, AIR rooms / CL3														
Filtration								HEPA filter						
Pneumatic Conveying System														
Building Pressurization														
Clean room systems, Pharmacy - Airborne testing														
Process Cooling														
PRV's, RPBP's, DCVA's														
Terminal Units - VAV, FCU, radiant panels, FF														
Plumbing Venting														
Division 25														
Integrated Building Management Platform (IBMP)								IBMP data point aggregation Power loss test Integration commissioning						
FMO Network and Infrastructure								Fiber, copper Fluke testing Network hardware commissioning						
Equipment Alarms								Manufacturer commissioning BMS integration commissioning IBMP integration commissioning						
Building System Alarms								Manufacturer commissioning BMS integration commissioning IBMP integration commissioning						
Division 27														
IM/IT Common Works								Communications room						
IM/IT Structured Cabling								Fiber, copper Fluke testing						
IM/IT Data Network								Base network connectivity commissioning Network hardware commissioning Power loss test						
IM/IT WiFi Network								Active Site Survey Network hardware commissioning						
IM/IT VoIP System								Commissioning by Owner						
IM/IT Equipment								Commissioning by Owner						
Audio-Visual Systems								Manufacturer specific commissioning Connectivity commissioning Programming commissioning						
Patient Physiological Monitoring System								Base network connectivity						
Distributed Antenna System (DAS)								Active Site Survey Network						
Location Services (RTLS)								Manufacturer recommended commissioning Site Survey to verify all zones Hardware commissioning Integration commissioning						
Clinical Camera Systems								Hardware commissioning Programming commissioning						
Public Address System								Hardware commissioning Site survey to verify sound levels Integration commissioning						
Intercommunications System								Hardware commissioning Integration commissioning						
Nurse Call Systems								Hardware commissioning Power loss test Integration commissioning						
Integration Engine								Power loss test Software commissioning Integration commissioning						
Division 28														
Access Control System								Hardware commissioning Programming commissioning Integration commissioning						
Wireless Panic Duress System								Hardware commissioning Programming commissioning Site survey to verify zone accuracy Integration commissioning						
Fixed Panic Duress System								Hardware commissioning Integration commissioning						
Intrusion Detection System								Hardware commissioning Integration commissioning						
IP Video Surveillance System								Hardware commissioning Power loss test Integration commissioning						
Infant Abduction System								Hardware commissioning Integration commissioning						
Patient Wandering System								Hardware commissioning Integration commissioning						
Electrical														
Electrical Systems								Neutral grounding resistor testing (alarms, tripping on disconnection)						
Power Distribution Equipment								Power distribution equipment commissioning -Rotation checks -Insulation resistance testing -Contact resistance testing						
Lighting								Lighting controls commissioning Lighting levels testing (spot checks)						
Electrical Rooms								N/A						
Equipment Replacement Strategy								N/A						
Zoning								N/A						

TABLE 2: COMMISSIONING RESPONSIBILITIES TRACKING (NOTE: This table is provided as an example and is to be completed and further developed in the first draft of the Commissioning Plan and updated thereafter.)

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Integrated Controls for High Voltage Equipment in the Energy Centre								Demand response / load management / energy management systems commissioning High voltage integrated controls system commissioning Generator synchroniz						
Provisions for Future								Summary report of actual peak demand loads in first year of operation (on each metered panel/distribution equipment), confirmation of required spare						
Protective Device Co-ordination								Confirmation of coordinated setting implementation and relay commissio						
Arc Flash Hazard Reduction								Arc flash reduction systems commissioning (ZSI, maintenance modes, remote racking, arc detection relays etc.)						
Power Quality								Summary report of power quality measurements in first month of operation (on each metered point in the system), confirmation that required metrics achieved.						
Magnetic Field Strength								Magnetic field testing (spot checks)						
Utility Power														
Emergency Power								C282/Z32 testing, failure (e-stop) test						
High Voltage Distribution								Feeder hi-pot testing						
Buried Duct Bank System for Campus Distribution								Confirm adequate drainage						
Distribution Equipment - 600 Volts and Below								Equipment commissioning						
Uninterruptible Power Supply (UPS) System								Alarms/remote monitoring Equipment commissioning Verify backup time and kW capacity (for spare calc) including comm ATS/dual supply switched to UPS (IMIT tested as						
Metering								After loads energized Loads by department End use categories Integrations to BMS, VFD, lighting, IBMP						
Wiring Methods, Materials, Devices								Z32						
Raceways														
Grounding and Bonding								Soil resistivity test (Wenner or soil analysis) Ground Grid Fall-of-Potential Test Z32						
Seismic Requirements for Electrical System								N/A						
Lighting														
Lighting Control System								Confirm zoning, addressing, levels, etc. as per design/shop drawings Colour tuning if specified Integrations testing as per integration sections						
Mechanical Equipment Connections														
Clock System								Confirm full signal coverage & all operational						
Electric Vehicle Chargers								Commission including network access & load management & demand response & payment systems						
Elevators								Elevator sign-off, integration testing						
Automated Guided Vehicles (AGV)								Vendor start-up testing, integration testing						
Envelope Systems														
Roofing								Electronic leak detection test						
Punched Windows								Window leak testing: ASTM E 1105						
Thermal Bridging								Thermal scanning						
Curtain Wall incl. spandrels and doors														
Cladding														
Air Barrier								Air leakage testing whole-building. ASTM E 779						
Below Grade Waterproofing														
Envelope Mock-ups														
Kitchen Equipment														
Acoustics														
Sound isolation between spaces								ASTC / NIC testing - to happen as soon as first walls are boarded and sealed.						
Background Noise								After mechanical equipment up and running and						
Reverb Time Tests								Key spaces - conference rooms, classrooms						
Speech Privacy Tests														
Sound Masking								Cx by vendor/supplier						
OITC = Outoor-Indoor Transition Class testin														
Medical Equipment - to be developed further by Project Co with input from the Owner. To include medical equipment categories A, B, C, D and G2														

* Although the Commissioning Authority is responsible for the commissioning of all systems, it is understood that commissioning of some specific systems will be undertaken by system specific Commissioning Agents or Specialists and will be reviewed and witnessed by the Commissioning Authority and included in the Commissioning process (reviews, testing, schedules, reporting, etc).

PART 1. MECHANICAL	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
Access Panels	Maxam, Acudor, Milcor, Can.Aqua, Mifab
Air Flow Measuring Air Monitor, Air Stations	Cambridge, Sentinel, Ebtron
Air Handling Units	Haakon, Scott Springfield, E.H. Price
Air Terminals - Grilles Registers, Diffusers	E.H. Price, Titus, Halton
Air Valves - Mixing, Constant Volume and VAV	E.H. Price, Titus, Trane
Air Vents	Hoffman, Maid-O-Mist, Taco
Backdraft Dampers	Airolite, Vent-Aire, Penn, T.A. Morrison
Backflow Preventers	Febco, Watts, Hersey, Singer, Ames
Balancing Dampers	Maxam, Ruskin, E.H. Price
Boilers - Condensing	Viessmann, Cleaver Brooks. Buderus
Bypass Filter (HW)	Sumco, GESL, Pace Chemicals
Chillers - Centrifugal	McQuay, Multistack, Trane
Chimney and Breeching	Metalbestos P/S, Van Packer P/S, Metal Fab PIL
CO and Combustible Gas Detector	MSA, ACME, Armstrong, Critical Environment Technology
Coils - Heating and Cooling	Trane, Aerofin, Colmac
Condensing Units and Fan Coil Units	Trane, Dunham Bush, York
Condensors - Air Cooled Refrigerant	Trane, Carrier, Engineered Air, Keeprite
Controls Contractors	Reliable
Convectors - HW	Engineered Air, Trane, Rosemex, McQuay, Dunham Bush
Cooling Tower Water Filter	Baltimore Air Coil, PEP
Cooling Towers - Blow Through and Fluid Coolers	Baltimore Air Coil, Evapco, Marley/ Recold
Cooling Towers - Induced Draft	Baltimore Air Coil, Marley, Evapco
Dampers - Control, Backdraft	Ruskin, Tamco

PART 1. MECHANICAL	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
Dampers - Smoke-Fire Combination	Ruskin, Controlled Air, Prefco
Domestic Water Heaters - Gas	PVI, AO Smith, Ruud-Rheem
Drains - Floor, Roof, Cleanouts, Water Hammer Arrestors	Zurn, Ancon, PPP, J.R. Smith
Expansion Compensators	Flexonics, Tube Turn, Hyspan, Hydroflex, Metraflex, United Flexible, Mason
Expansion Joints	Flexonics, Hyspan, Hydroflex, Metraflex, United Flexible, Mason
Emergency Shower/Eyewash Station	Western, Haws, Guardian
Fan Coil Units	Trane, Engineered Air, Williams
Fans - Axial	Northern, Chicago, Woods, Joy, CB&F
Fans - Centrifugal	Buffalo, Twin City, Trane, Chicago, Barry Blower, Northern
Fans - Roof and Wall Mounted	Greenheck, Ammerman, Powerline, ACME, Loren Cook, Penn, Jenn Fan, ILG, Carnes, Twin City
Filters (Air)	Cambridge, AAF, Pacific, FARR
Filters (Water)	Judo, Amiad
Filters (Fuel Polishing)	Algea-X
Fire Dampers	Controlled Air, Ruskin, Canadian Advanced Air, Maxam, Nailor
Fire Hose Cabinets, Valves and Extinguishers	NFE, Grigor, Wilson & Cousins, Flag
Flexible Connectors - Ducting	Thermaflex, G.I. Industries Type IHP
Flexible Connectors - Piping	Flexonics, Tube Turn, Atlantic, Hyspan, Hydroflex, Metraflex, United Flexible, Mason
Flexible Duct	Thermaflex, Wiremold, GI Industries Type H.P.
Gauges – Air	Dwyer, Magnehelic
Gauges - OWG Pressure	Trerice, Marsh, Ashcroft, Weiss
Heat Exchangers - Plate	Alpha Laval, Tranter, Armstrong, APV
Heat Exchangers - Shell and Tube	Armstrong, Taco, Leitch, Bell & Gossett
Humidifiers - Steam	Armstrong, Sarco, Dri-Steam

PART 1. MECHANICAL	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
Immersion Heaters	Armstrong, Taco, B&G
Insulation - Piping and Duct	Fiberglass Canada, Manson, Knauf Fiberglass, Plasti-Fab, Manville
Louvres	Airolite, E.H. Price, Ruskin
Makeup-air Unit (Stairwell pressurization)	Trane (Climate Changer), VTS
Piping Hangers and Saddles	Grinnell, Myatt, Anvil
Plumbing Brass	Sloan, American Standard, Cambridge Brass, Waltec, Kohler, Symmons, Toyo, Chicago Faucets, Moen
Plumbing Fixtures	American Standard, Kohler, Toyo, Sloan, Franke, Acorn Engineering
Pump - Condensate Packages	Paco, Leitch
Pumps - Deaerators and Boiler Feed	York Shipley, Cleaver Brooks, Duro
Pumps - Fire Booster	Aurora, Peerless, Leitch, Armstrong
Pumps-Fuel Oil	Albany, Viking
Pumps - In-Line Circulators	Armstrong, B & G, Taco, Grundfos
Pumps - Manual	Crane
Pumps - Positive Displacement	Viking, Fairbanks, Morse, Ebara, Albany
Pumps - Submersible Bilge or Sewage	Monarch, Barnes, Hydromatic or Sewage, Myers, Zoeller
Pumps - Sump	Monarch, Barnes, Hydromatic, Myers, Zoeller
Pumps - Turbine	Aurora
Pumps - Vertical In-Line and Base Mounted	Armstrong, B & G, Taco, Leitch, Grundfos
Radiant Ceiling Panels	Airtex, Frenger
Radiant Ceiling Panels-Plasterboard	Fraccaro Radiant Solutions
Radiation - Wall Fin	Engineered Air, Trane, Slant/Fin, Rosemex, Dunham Bush
Silencers - Fan and Duct	Vibro Acoustics, Vibron, Korfund, I.A.C, Koopers
Sinks - Stainless Steel	American Standard, Elkay, Franesse, Franke

PART 1. MECHANICAL	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
Steam Traps	Spirax/Sarco, Armstrong, Erwal
Tank - Diaphragm Type Expansion	Amtrol, Hamlet and Garneau Inc.
Tanks - Boiler Feed and Blowdown	York Shipley, Cleaver Brooks
Tanks - Domestic Hot Water Storage	Clemmer, PVI, Everdur, Westeel-Rosco, Ruud/Rheem, State
Tanks - Expansion	Amtrol, Bell & Gossett, AS Leitch, Sanford, Westeel-Rosco Steelweld, Clemmer, Wheatley
Tanks – Underground Fiberglass Fuel Oil Storage	Containment Solutions, ZCL Manufacturing
Tanks - Steel Fuel Oil Storage	Steelcraft, Westeel-Rosco, Tidy, Regal
Unit Heaters - HW	Engineered Air, Trane, Rosemex, McQuay, Dunham Bush
Variable Frequency Drives	ABB, Danfos, Eaton
Vibration Isolation	Mason, Vibro Acoustic

PART 2. ELECTRICAL	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
Elevators	Richmond, KONE, Otis, Thyssenkrupp
Emergency Generator Set	MTU, Cummins, CAT
Generator Integration	IEM, CAT, EATON
Automatic transfer switches	Asco, EATON, ABB
Load Bank	Mosebach, Loadtec
High voltage Switchgear and Service Entrance Equipment	EATON, Schneider, PowerSystems Technology
Low voltage switchgear	Eaton, Schneider
Fire alarm system	Simplex, Edwards, Siemens
Metering	Schneider-Ion, Eaton, QMC
Dry type transformers	Delta, Hammond, Square D
Power distribution and lighting/receptacle panels	Eaton, Schneider

PART 2. ELECTRICAL	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
UPS system	Schneider-APC, Eaton-Powerware, Toshiba
UPS system batteries (lithium ion)	Schneider-APC, Eaton-Powerware, Toshiba
Lighting	CDm2, SLS Group, MACS II
Lighting Control	Osram, Lutron, Philips, Eaton

Part 3. IMIT	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
IP Video Surveillance/security	Genetec / Houle, Chubb, Paladin
Nurse call system	Rauland / Terracom Systems, Ascom
Structured Cabling	Commscope
Access control system	Lenel / Houle, Chubb, Paladin

Part 4. Architectural	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
Traffic Coatings	BASF Canada Inc, Duochem Inc.,
Composite Wall Panels	Prodema, Composites Gurea
Modified SBS Roofing	Soprema, Johns Mansville, Siplast
Glazing Systems	Guardian Industries, PPG Glass, Vitrum Glass Group
Curtain Wall System	Kawneer, Alumicor Ltd, US Aluminum
Door Hardware: Locks	Sargent, Schlage, Best
Door Hardware: Exit devices	Sargent, Von Duprin, Precision
Door Hardware: Closers	Sargent, Norton, LCN, Dorma
Wood Doors	Lynden Door, Baillargeon Doors, Lambton Doors
Metal Doors	Flemming, Daybar, Baron
Flooring	Tarkett-Johnsonite, Altro, Roppe

Part 4. Architectural	
EQUIPMENT TYPE / SYSTEM	**EQUIPMENT/SYSTEM MANUFACTURER**
Wall protection	Construction Specialties, Panolam, Altro
Exterior Sliding Automatic Entrance Doors	Besam, Horton, Stanley
Interior Sliding Automatic Entrance Doors	Besam, Horton, Stanley, Record USA

Substitutions to Acceptable Manufacturers and Vendors List:

1. Substitutions to the manufacturers or vendors listed in Appendix 1L [Acceptable Manufacturers and Vendors List] are not permitted without prior written acceptance from the Authority.
2. Provide a Substitution Request Package, in a PDF electronic file, for each equipment item for consideration. Each Substitution Request Package will include the following:
    a. Document each request with complete data substantiating compliance of proposed substitution with Schedule 1 [Statement of Requirements], referencing relevant sections, as well as list and describe any variances
    b. Provide name of manufacturer, product name, phone number and web address.
    c. Provide supporting information including product data sheets, drawings, samples, test reports, conformance to applicable reference standards and regulatory requirements, and specified performance and test data.
    d. Provide coordination information, including a list of changes or revisions needed to other parts of the Design and Construction that will be necessary to accommodate proposed substitution.
    e. Manufacturer Qualifications: Company specializing in manufacturing the proposed substitute equipment to have not less than three (3) years documented experience. Provide list of five (5) similar installations for completed projects.
    f. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related equipment, materials and systems. Engage a qualified testing agency to perform compatibility tests where documentation is not available.
    g. Provide a letter indicating the reason for requesting substitution and expected reductions to the Contract Price and Time Schedule.
    h. Executed Vendor/Manufacturer Sign-Off form
3. Substitution Conditions: The Authority will consider request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, the Authority will return requests without action, except to record non-compliance with these requirements:
    a. Substitution request is fully documented and properly submitted.
    b. Requested substitution is consistent with the Agreement and exceeds indicated performance results.
    c. Requested substitution will not adversely affect the Time Schedule.
    d. Requested substitution meets performance, building code and regulatory requirements.
    e. Requested substitution is compatible with other portions of the Work.
    f. Requested substitution provides specified warranty.
    g. If requested substitution involves more than one (1) contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.
    h. Requested substitution does not affect Future Expansion and functional clearances.

i. If requested substitution requires changes to the Work, no additional costs or time extension will be considered acceptable by the Authority.

j. If requested substitution requires review or redesign services associated with re-approval by the Authority Having Jurisdiction, no additional costs or time extension will be accepted by the Authority.

k. Maintenance and service parts and labour will be locally available for proposed substitution.

l. Undersigned further states that function, appearance, and quality of proposed substitution are equivalent or superior to specified item.

4. The Authority will notify the Design-Builder in writing of decision to approve or reject each substitution request. The Authority may, in its discretion:
    a. respond to indicate that the proposed substitution is acceptable;
    b. respond to indicate that the proposed substitution is acceptable subject to the Proponent's compliance with any conditions identified by the Authority;
    c. respond to indicate that the Authority does not consider the proposed substitution to be acceptable;
    d. request clarification, further information or additional material; or
    e. not respond to the Enquiry;
5. Substitutions will not be considered when they are indicated or implied on Submittals, without separate written request, or when acceptance will require revision to the Agreement. The Authority's review of Submittals does not constitute acceptance of substitutions.
6. Failure to order the specified equipment type from the equipment manufacture in adequate time to meet the Time Schedule will not be a valid reason to submit a request for substitution. In accordance with the Agreement such delays remain the responsibility of the Design-Builder and will not result in an extension to the Time Schedule or be subject to reimbursement by the Authority.
7. The Design-Builder will pay for changes to building design, including engineering design, detailing and construction costs caused by requested substitution.

Schedule 1 – Statement of Requirements

Appendix 1M – Electronic Security Systems Specifications

ELECTRONIC SECURITY SYSTEMS SPECIFICATIONS V 1.5

This document is specific to Interior Health (IH) Hospitals and larger IH facilities and is to be used in conjunction with Division 28 of any project..

UPDATED: MAY 2020

Version Control

The contents of this document cannot be modified without prior written consent from IHA Protection Services

2018-10-25: Version 1.4 Release

- First release of document

2020-5-13: Version 1.5 Release

- Updated release information
  - Changes to back up power requirements
  - Changes to VMS requirements
  - Changes to Card Reader requirements
  - Changes to back up power requirements
  - General format changes

Table of Contents

SECTION 1 – GENERAL REQUIREMENTS

1.1 OVERVIEW OF DOCUMENTS

.1 This document outlines Electronic Security System requirements for Interior Health (IH)

- This document is primarily intended for use at hospitals and/or larger facilities. However, the Protection Services Department oversees Electronic Security Systems within IH and is the designated representative for related matters. Any exceptions to stated requirements, including determination of approved equivalent products, must be approved in writing by a representative of Protection Services.

.2 This document outlines the electronic security systems specifications for the following:

- Electronic Access Control Systems
- Video Surveillance systems
- Intrusion Alarm Systems
- Panic Alarm Systems
- Intercom Systems
- Other systems (such as patient wandering/infant protection/staff duress) may interface/integrate with the above noted systems. Where this is required, mandatory input on system design must be sought from clinical users/designates and Protection Services to ensure required functionality is achieved.

.3 This document contains two sections. Consultants, contractors and others should refer to all sections to determine the full scope:

- Section 1 - General Requirements: outlines requirements that are applicable at all locations of work, generic system requirements, integrators, etc.
- Section 2 – Electronic Security Systems: outlines systems specific information including: Access control; Video Surveillance; Intrusion alarm; Panic, Intercom.

.4 Systems installations are constantly evolving and being updated. Sites which are in transition may require additional consultation. Contact Protection Services for any additional information required.

1.2 RELATED DOCUMENTS

.1 Privacy Guidelines – Freedom of Information and Protection of Privacy Act (FOIPP).
http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/96165_00

.2 Privacy Guidelines for Use of Video Surveillance Technology by Public Bodies
http://www.cio.gov.bc.ca/cio/priv_leg/foippa/guides_forms/video_security.page

.3 IMIT Communications Infrastructure Specifications
https://www.interiorhealth.ca/AboutUs/BusinessCentre/Construction/Documents/IMIT Infrastructure Specification.pdf

.4 IAHSS Security System Design Guidelines (provided upon request)
Z:\IHA Teams\Corporate Protection\EDUCATION AND COMMUNICATIONS\IAHSS Guidelines\IAHSS Design Guidelins (2015).pdf

.5 Staff Safety Guidelines for Healthcare Facility Design Projects
https://www.interiorhealth.ca/AboutUs/BusinessCentre/Construction/Documents/Staff Safety Guidelines for Healthcare Facility Design Projects.pdf

.6 Interior Health Construction Standards and Polices are general requirements of consultants and contractors engaged on Interior Health projects
https://www.interiorhealth.ca/AboutUs/BusinessCentre/Construction/Pages/Policies.aspx

1.3 REFERENCE STANDARDS

.1 All materials, workmanship and/or installation practices and activity shall meet or exceed the following reference standards:

- Canadian Electrical Code (CEC) Part 1 C22.1-00. BC Amendments to the CEC & associated bulletins.
- BC Electrical Safety Act.
- British Columbia Building Code.
- British Columbia Fire Code Regulations.
- TIA/EIA 568-B.1 through B.3 Commercial Building Telecommunications Cabling Standards.
- TIA/EIA 569- B Commercial Building Standard for Telecommunications Pathways and Spaces.
- ANSIA/TIA/EIA - 607A (J-STD-607-A-2002) Commercial Building Grounding and Bonding.
- NEMA – National Electrical Manufacturers Association
- Work Safe BC, Workers Compensation requirements.
- Applicable Federal, Provincial and Municipal laws, regulations and bylaws.

1.4 STANDARD REQUIREMENTS

.1 Contractor(s) shall be fully trained and factory certified on all security systems as required by this document. Any/All work on or integration to Lenel must be performed by a technician with at least a Lenel training designation of “Professional” for Access Control, Intrusion and Video.

.2 All equipment shall remain the sole property of IH and the installing company will not retain ownership or control of the system.

.3 All hardware and software (including operating system) required to make programming changes to the systems shall be included with all systems. Hard copies of all software and/or licenses shall be provided if requested.

.4 All systems shall be configured to be managed onsite; however, certain systems may require the ability to be remotely controlled and configured. The project scope and/or this document will identify those systems.

.5 Panels, computers and other devices are not to be locked out (either by a vendor supplied locking device or electronically by password, etc.)

.6 Provide all passwords, including installer, administrator, and the user passwords for all systems.

.7 IH maintains and manages a central “off-site” Lenel access control head-end server and database for administration and programming of card access. All Lenel installations/additions at a facility must be networked to the Lenel Server by an IH mandatory integrator.

.8 IH maintains and manages a central “off-site” Video Management System (VMS). Any new installations of a Video Surveillance system must integrate and be 100% compatible with the IH Genetec VMS.

.9 Integrations between systems are often requested via project scope but 100% capability between systems is not achieved. The contractor is to report on any system(s) functionality that will not provide IH with 100% integration prior to work commencing by the contractor.

1.5 LICENCES, APPROVALS, PERMITS AND STANDARDS

.1 The contractor shall be responsible for all permits, licenses, inspections and related fees.

.2 Prior to execution of work, the Contractor shall obtain all necessary permits and licenses for compliance with Federal, Provincial and Municipal laws and regulations.

.3 Plant Services and/or other IH contacts are required to be consulted prior to the commencement of any work.

.4 The contractor and all workers must be provincially licensed and/or meet all requirements outlined by the Ministry of Justice.

.5 Protection Services oversees Electronic Security Systems within IH and is the designated representative for related matters. Any exceptions to stated requirements, including determination of approved equivalent products, must be approved in writing by a representative of Protection Services.

1.6 PRODUCTS

.1 All products being delivered shall be from reputable industry recognized manufacturers regularly engaged in the production of models and types of equipment used in the electronics security, computer, and telecommunications industries. Products shall be quality control tested and verified for the intended operation prior to installation at site.

.2 Products shall conform to the standards of the Canadian Standards Association or CSA recognized approved equivalent. All materials, including hardware and software being supplied, shall be new and of the latest version or production model or match the existing version in use by IH.

.3 Equipment specifications are intended to provide a baseline reference for the type of materials that are to be installed. Contractor(s) shall ensure that all equipment being offered meets or exceeds the minimum requirements for the intended operation.

.4 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

1.7 OPERATIONAL REQUIREMENTS INCLUDING RESPONSE

.1 Electronic security systems installed in the IH facilities shall operate on a 24-hour basis throughout the year.

.2 All systems shall include sufficient back up power supply to operate all devices simultaneously without drawing more than 80% of the capacity of the power supply. The backup power system shall have sufficient capacity to operate the entire system for a minimum of 8 hours under normal operating conditions. Note: All batteries are to be a minimum of 7 amp hour.

.3 Each system shall have sufficient power supply to operate the system and the manufacturers' recommended power for the system shall be less than 80% of the power supply rated power output.

.4 Security systems may require a local response from the contracted security service provider on site. Methods for communicating system alarms and notifications vary from site to site. Contact Protection Services department to determine the required operational response communication method.

1.8 SYSTEM CONDUCTORS AND CABLES

.1 Provide wiring as required for all components. Unless specified otherwise, selection of cable type shall be as per manufacturer's recommendations and also meet the IMIT Communications Infrastructure Standards.

.2 All camera installations to be IP/Network based.

.3 All IP/Networked cabling required for Video Surveillance installations **must** follow IMIT Communications Infrastructure Standards and must be installed by an authorized contractor.

.4 All copper and fiber cable sheaths shall meet fire code requirements and comply with all applicable codes and meet all standards as required by the local AHJ (Authorities Having Jurisdiction).

.5 Contractor(s) shall be responsible for ensuring that all conductor types and gauges required adequately power and control all equipment being installed for use with their system.

.6 All wiring shall be concealed unless otherwise authorized by Protection Services and/or IMIT.

.7 Video Signal Cabling for analogue devices for interconnection between equipment shall be minimum RG-59 type, solid bare copper center conductor with a minimum 95% copper braid shield. For cable runs over 100 meters in length, RG-6 cable may be used. All Video Surveillance coaxial cable connections shall be made using crimped or pre- manufactured connectors only, twist on connectors are not permitted.

.8 Cables placed in underground ducts and outside of buildings shall be rated for outdoor use with a water blocking membrane.

.9 No splices shall be permitted in the wiring except where a connection is made to a device. All connections shall be made using "B" clips, stakons or approved equivalent (Marrette connectors are not allowed).

1.9 COMPUTERS, SOFTWARE AND SOFTWARE RELATED LICENSING

.1 Computers, servers, printers and other supporting peripheral equipment may be required as outlined in these specifications.

.2 The integrator/installer is to provide all hardware, computers, servers, printers and other supporting peripheral equipment as required, unless otherwise stated.

.3. Contractor supplied equipment to meet or exceed IH IMIT and Manufactures requirements, where applicable.

.4 Contractors are required to determine in advance, which equipment will be supplied by Interior Health, and which equipment will be required to be supplied by the contractor.

.5 Where required, software/software licenses and any other required licensing is to be supplied by the installer/integrator unless otherwise stated, including all software required for owners supplied hardware and equipment.

.6 Card Reader/Camera and other device licenses required will be supplied by the integrator/installer for installations. If project scope does not include this requirement, Protection Services must be contacted to verify requirement and number of licenses needed.

Note: If Contractor is not a Lenel VAR on Record with IH, a cash allowance (based on MSRP) for licensing must be carried. Refer to approved mandatory Integrator list for contact information and to obtain costs.

1.10 COORDINATION OF WORK

.1 Installation contractor(s) shall coordinate work with IH and their appointed representatives to ensure systems are installed, programmed, tested, commissioned and verified fully operational to the satisfaction of IH.

.2 IH alarm accounts will be monitored by the identified monitoring and response agency. This includes intrusion, panic and other applicable systems.

.3 Coordination with the Provincial Health Services Authority (PHSA) and/or IMIT may be required for computer, software and peripheral devices (including any wireless components).

.4 Coordinate and cooperate with other trades, including In-house/Facilities staff, for timely completion of all work.

.5 Some or all work may be required to be performed after regular business hours to avoid disruption to the delivery of patient care.

1.11 INSTALLATION

.1 Installations shall be in accordance with the manufacturer's specifications and installation procedures, and fully comply with all applicable Codes & Regulations.

.2 The contractor shall test and commission fully operational and functional systems prior to turnover to IH. IH reserves the right to verify the contractor’s test results to determine if system operation is satisfactory and contractor will be responsible to correct any deficiencies at no additional cost to IH.

.3 All cables shall be permanently identified and listed on as-built drawings as follows:

- Cable number
- Source

.4 Electrical panel circuit numbers shall be clearly identified on all system panels.

.5 All work shall be installed in a neat and workmanlike manner. The contractor is responsible for cleanup and disposal of all garbage and debris caused as a result of their work.

.6 Concrete cutting and/or coring may be required. In order to limit the disruption to patient care, cutting/coring may be required after regular business hours.

.7 Wiring penetrating any horizontal or vertical assembly required to have a fire-resistance rating shall be in accordance with the local AHJ and IMIT Communications Infrastructure Standards. Conduits or cables shall be tightly fitted and fire stopped where necessary to maintain fire rating.

.8 Contractor(s) shall repair at no cost to the IH/Owner, any surfaces, finishes, equipment or structures damaged by the execution of their contract to its original condition.

.9 All security system control panels shall be located in a secure, accessible location within the protected space (i.e. – panels and equipment shall not be mounted in electrical or data rooms that are not within the protected space). Head-end security equipment for Access Control and Video Surveillance shall be mounted at locations designated by Protection Services.

.10 Prior to installation of all panels in communication rooms, final placement to be approved by IH's IMIT Facilities Project Coordinator (IMITFPC) via email to IMITFPC@interiorhealth.ca in order to ensure placement does not interfere with any existing or future planned active telecommunications equipment.

.11 Ground security equipment as per manufacturer's recommendations.

.12 Bonding conductor shall be green PVC jacketed, stranded copper, soft conductor, unless otherwise noted.

.13 All digital inputs are required to have end of line 4 state supervision.

.14 Follow J-STD-607-A-2002 (CSA-527) Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications and the most current version of the CEC.

.15 Unless otherwise specified, IH security systems do not require conduit – except in exposed or exterior locations; however, all wiring shall be concealed unless otherwise authorized by Protection Services.

.16 Wall mounted devices to be secured to wall studs and/or installed with plywood backing sufficient to support device weight.

.17 All wiring and cable installed and connected to any piece of security equipment that is accessible to the public shall be installed in conduit or protective covering. Conduit connecting to field devices such as camera enclosure shall be terminated and secured up to the enclosure to conceal all wiring and connections. Where applicable, the security contractor shall coordinate installation of conduit and raceways with electrical contractor to meet these requirements. If using a cable tray as a pathway for cable installation, cabling is to be bundled separately for IH's network cabling.

- Conduit not to be filled past 40% capacity and follow the IMIT Communications Infrastructure Standards for cable colour (green).

.18 Due to public private partnership arrangements, service contracts and potential other factors, it may be mandatory for installation, programming or other work to be completed by designated companies only. If applicable, this information will be listed in the project scope and/or defined in this document.

1.12 PROGRAMMING

.1 All system(s) programming is to be completed by the contractor in consultation with Protection Services.

.2 Cameras are to be set to record (motion only) as soon as the installation will allow, even if network connection to the IH network is not possible at time of install.

.3 All system devices and components are to be programmed to the satisfaction of Protection Services

.4 The contactor is to cover all associated costs of programming.

Note: Lenel Access control and Video Surveillance programming must be completed by a mandatory integrator (refer to Section 1.20.2).If Contractor is not a VAR on Record with IH, a cash allowance (based on MSRP) for this work must be carried.

.5 Protection Services has defined naming conventions that must be used in any Lenel/VMS deployment. The contractor is required to contact Protection Services to ensure that they have the requirements and details needed prior to commissioning the system.

.6 Due to public private partnership arrangements, service contracts and potential other factors, it may be mandatory for installation, programming or other work to be completed by designated companies only. If applicable, this information will be listed in the project scope and/or defined in this document.

1.13 DOCUMENTATION

.1 The contractor shall provide the following documentation for each system:

- All user manuals, electronic and/or paper, if required.
- Equipment schedule detailing installation.
- As-built drawings (electronic only, in a suitable format for IH) showing location of all devices, controls, demark connection, panels, keypads, riser diagrams, panel termination details.
    - All zones shall be clearly identified on the as-built drawings.
    - Electrical panel circuit breaker shall be clearly identified and noted on both the panel cover and as-built drawings.
- A printout of the monitoring company activity report that verifies full system testing, electronic and/or paper if required.
- Device verification sign-off sheets, electronic and/or paper if required.
- Manufacturer's cut sheets for all devices, electronic and/or paper if required.
- Infection control documentation, if required.
- Documentation outlining the IP schemes utilized in the installation.
- All forms completed as supplied by IH.
- Municipal and other required electrical permits.
- Warranty Certificate, if required.

.2 All documentation to be submitted to IH's designate, as required.

.3 Contractor(s) shall provide IH with a training attendance sign-off sheet. This sheet shall identify the site, time and date as well as a listing of all those in attendance, electronic and/or paper, if required.

1.14 TRAINING

.1 Training shall be provided for each individual system as required by this document. Training shall include a minimum of two (2) hours per individual

system and shall be conducted at a time that is mutually agreeable to both the contractor and the user(s) requiring the training.

1.15 WARRANTY

.1 The warranty period with respect to the Contract is one (1) year from the certified date of Substantial Performance of Work.

.2 Defective equipment to be repaired at site, and failing this a suitable replacement unit shall be supplied to keep the system operational until the original unit is returned.

1.16 ALARM MONITORING

1.16.1 Overview

.1 IH may require off site ULC rated alarm monitoring service to facilitate a personnel response to system generated alarms.

.2 All alarm systems and ancillary equipment shall conform to the Protection Services Electronic Security System Specifications.

.3 Account numbers and other applicable information shall be provided by authorized monitoring agent/station, if applicable, through Protection Services.

.4 If the off-site monitoring company is not identified in the scope of the project the Contractor is to contact Protection Services for direction.

1.17 CONTRACTOR RESPONSIBILITIES

.1 The contractor shall insure that all required information is provided to the monitoring agent/station as required.

.2 The contractor shall complete the user list in conjunction with the user/client (tenant) who will provide details of authorized users. Contractor shall fully program the system accordingly with all required credentials.

.3 The contractor is responsible for any costs associated with off-site monitoring set-up.

.4 Access to the system for post installation warranty/deficiency service, or other required access, to be coordinated with the owner

.5 All passwords for all devices to be supplied to the owner

.6 All information related to installations is considered strictly confidential and the contractor shall guarantee non-disclosure of information.

1.18 CLIENT (TENANT) RESPONSIBILITIES

.1 Once the system is installed and commissioned the user/client (tenant) is responsible to manage the User List function and maintain the database ensuring that all subsequent changes to personnel are noted and reported to monitoring agent/station

1.19 LIST OF INTEGRATORS

.1 Preferred Integrators (alphabetically) for listed systems include:

- Chubb
  Security Systems, Monitoring & Fire Alarm Systems | Chubb Edwards

- Houle Security

https://houle.ca

- Paladin Security
  https://www.paladinsecurity.com

- Terracom
  Terracom Systems | Systems Integration | West Kelowna, Okanagan, British Columbia

.2 Mandatory integrators (alphabetically) required for installation/programming and commissioning/verification of any Lenel access control or integration to Lenel are:

- Chubb
  Security Systems, Monitoring & Fire Alarm Systems | Chubb Edwards

- Houle Security
  https://houle.ca

- Paladin Security
  https://www.paladinsecurity.com

SECTION 2 - ELECTRONIC SECURITY SYSTEMS

2.1 ACCESS CONTROL (CARD READER) SYSTEM

2.1.1 General

.1 Access control systems shall be installed in protected space based on IH/Protection Services requirements. Card readers and electric locking devices shall be installed at all designated entry doors to the protected space, including stairwell doors at points of public access.

.2 Elevator control, where required, shall be installed to allow for control of the elevator on a floor by floor basis.

.3 The system shall be provided with 20% hardware and software spare capacity in addition to installed components. Existing spare capacity shall not be utilized unless approved, in writing, by Protection Services.

.4 The contractor shall provide new hardware and software/licensing for all installations. If existing equipment (i.e. Reader) is already licensed and is being replaced/or moved, then licensing transfer is acceptable.

.5 Every door equipped with a card reader and electric locking device shall also have a door contact to monitor held open/door forced open functions and request to exit (REX) sensor.

.6 The access system shall not be dependent on the system workstation or server computer for operation required to operate basic card access functionality including card read, door lock/unlock. The system control panels and field hardware shall be able to continue operations 24 hours a day, 7 days a week without any degradation in the operation of the system in the event of workstation, computer or server downtime/failure.

- The use of Global I/O's is not preferred and must be approved by IH Protection Services prior to installation.

.7 Magnetic locks are not permitted unless authorized by Protection Services. Where authorized, the contractor is required to seek approvals from all authorities having Jurisdiction (i.e. Fire Department) and supply the required permits and/or variance to IH.

.8 All Card reader installations are to be Dual format proximity type able to accept all current IH Gprox and HID card formats**.**

.9 Where dual authentication is required (Pin code and Proximity) the Pin code feature is to be fully integrated in to the card reader with full functionality in the access system and software. Parallel, separately installed pin devices are not acceptable unless approved in writing by Protection Services.

.10 Lenel Access control database programming must be completed by a mandatory integrator (Refer to Integrator section 1.20.2).

.11 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.1.2 Card Readers

.1 Readers shall be connected to door controller via standard Wiegand interface.

.2 Bi-color LED controlled locally and by host system shall provide at minimum the following visual feedback: (RED = door locked, GREEN = access granted).

.3 Exterior card readers shall be weather proof, designed for outdoor applications in the applicable environment.

.4 All readers to be installed between 46” to 54” AFF unless directed otherwise.

.5 All wall-mounted readers shall be designed for installation on a standard single-gang electrical back-box.

.6 Mullion sized readers may be used only in locations with limited mounting space.

.7 Readers shall be black unless otherwise specified

2.1.3 Request to Exit Devices (REX)

.1 Requests to Exit (REX) motion sensor will allow egress through monitored doors without creating alarms with REX connected to bypass door alarm on exit.

.2 Provide acceptable REX devices to meet required functionality. Noting that the use of a REX “button” may be used if a motion sensor does not meet the required needs of the portal/door.

.3 The REX detector shall have a built-in buzzer to locally annunciate “door forced” alarms and “door held open” warnings. Local buzzer to remain **OFF** unless requested to be turned on by Protection Services.

.4 REX sensors shall have the following minimum features:

- X-Y Targeting - targets a specific area of detection
- Digital Signal Processing
- Curtain type Fresnel lens
- Detection range 3 to 6 meters
- Main relay timer (adjustable delay 5 to 60 seconds)
- Selectable relay trigger mode
- Sounder volume to 90dB
- Activation LED
- Tamper switch

2.1.4 Electrified Hardware

.1 Unless otherwise specified, electric strikes or electrified locksets are the only acceptable electric locking devices. All locking devices must meet the building, fire and electrical code requirements of all Authorities having jurisdiction. For Magnetic locks refer to section 2.1.1.7

.2 Unless otherwise directed electric strikes and locksets shall fail “**secure**”

.3 Provide additional dry contact output(s) for automatic door operator (ADO) operations, if required.

.4 Provide electrified door hold open devices, and integrate functions in to access control hardware and software, if required.

.4 Acceptable manufacturers: Dependent on site standard for locks and hardware.

2.1.5 Door Contacts

.1 All door and window contacts must be “wide gap” type.

.2 All door and window contacts must be concealed unless otherwise directed. If installed in wood or similar material, allow for expansion. Fill all voids with RTV silicone or equivalent.

2.1.6 Remote Door Control

.1 Where required, designated doors will have a control switch/switches installed to control door lock and unlock functions. Switch functions to include permanent lock; permanent unlock; momentary unlock regardless of the schedule/state of the door (door schedule is not to override the switch function).

.3 Access control workstations will not be utilized for remote door control unless authorized in writing by Protection Services.

.4 The switch shall be interfaced with the access control / card access systems where applicable.

.3 The switch will be illuminated to indicate and differentiate between all status functions

.4 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.1.7 Access Control System Programming

.1 Lenel Access control programming must be completed by a mandatory integrator (refer to Section 1.20.2).If Contractor is not a VAR on Record with IH, a cash allowance (based on MSRP) for this work must be carried.

.2 Required programming includes, but not limited to, labeling/naming all devices, graphic user interface, and client software/user setup, Access Level assignment and time zones.

.3 Electronic versions of floor plans, if required, to be supplied by IH/Client.

2.2 VIDEO SURVEILLANCE SYSTEM

2.2.1 Video Applications

.1 Video Surveillance systems may be utilized for the following applications:

- Site Security
- General Clinical Observation

.2 This specification is designed to outline the requirements related to the above stated uses. This specification is not designed for use with other/specialized applications (i.e.: A specialized clinical sleep laboratory).

2.2.2 Site Security Video Surveillance Systems

.1 Provide an IP Video Surveillance system that is consisting of colour IP Video surveillance cameras that provide High Definition images, colour monitors located as needed, network video recorder complete with software that controls all parameters of each individual camera, frame by frame recording, pre and post alarm recording, motion detection, sequence switching, multiplexing, adjustable frame speeds, and will record all cameras through event driven recording 24-hours per day, 7 days a week in real time.

.2 IH maintains an “Off-site” Genetec Video Management System (VMS) that all new/upgraded Video Surveillance systems must be networked to and have 100% compatibility.

.2 If applicable, IP Video Surveillance system to integrate with access control, wired panic buttons, intercoms and intrusion detection to allow for higher recording rates during alarm conditions.

.3 Video Surveillance systems shall not violate the rights of privacy and other legal rights of persons under observation. Cameras shall not be installed where there is a reasonable expectation of privacy; i.e. washrooms, change-rooms or other similar spaces.

.4 IP Video Surveillance display and review system to be network-based application allowing for authorized users to remotely view, control and manage all aspects of the IP Video Surveillance system across the network. System will have network and web access for remote monitoring, using predefined user authentication.

.5 Display and review for all the cameras to be accessible through multi-screen workstations located as per Protection Services direction. Contractor is to provide IP Video Surveillance workstations with all required operating and application software, monitors, keyboard, mouse with interconnection to security system network.

.6 Cameras installed in high sensitivity areas will provide full visibility of person(s) entering the area. Cameras must be mounted at suitable height for the required field of view, for clear unobstructed viewing.

.7 Cables placed in underground ducts and outside of buildings shall be rated for outdoor use with water blocking members.

.8 Fire Rated or two coats of CSA approved fire retardant white paint Plywood backing required for wall mount monitor installations.

.9 Exterior enclosures/equipment must be NEMA rated.

.11 Cameras and enclosures used for clinical purposes or in clinical areas must be rated by the manufacturer for use in the specific environment. i.e.: Cameras for seclusion rooms must be anti-ligature and specifically designed for high risk clinical environments.

.12 Cameras and recorder must be configured to accommodate the following:

- Updated default admin account password (to be provided by IH at time of install)
- Disable all ‘audio’ recording abilities on camera / recorder at time of install
- Configure recorder to automatically purge recorder footage after 30 days.
- Configure recorder to be set to appropriate time zone, and configure NTP settings on recorder/cameras/appliance to point to HA specific NTP server

.13 Acceptable manufacturer: required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.2.3 General Clinical Observation Video Surveillance Systems

.1 Clinical Video surveillance systems are to be installed for observation only: recording of camera images is not permitted unless approved in writing by Protection Services.

.2 The Video Surveillance systems shall include all equipment necessary for a fully functioning system.

.3 Cameras installed in high sensitivity areas will provide full visibility of person(s) entering the area. Cameras must be mounted at suitable height for the required field of view, for clear unobstructed viewing.

.4 Cameras shall be monitored by an operator. Output must be available for viewing by authorized persons at multiple locations, if required.

.5 Clinical camera systems are not to be connected or integrated into security camera systems in any way unless approved in writing by Protection Services.

.6 Indoor/outdoor camera enclosures must be vandal resistant domes constructed of high impact polycarbonate material or approved equipment.

.7 Outdoor cameras will allow operation in extreme temperatures.

.8 Images to be displayed 24/7 without interruption. For example, screensaver activation is not acceptable; login timeout is not acceptable.

.9 Coax cable installations are acceptable for clinical Video Surveillance systems. If an IP based solution is utilized, the installation is required to be in compliance with IMIT Communications Infrastructure Standards.

.10 Cables placed in underground ducts and outside of buildings shall be rated for outdoor use with water blocking members.

.11 Video Surveillance systems shall be protected from lightning and power surges.

.12 Exterior enclosures/equipment must be NEMA rated.

.13 Clinical cameras and enclosures must be rated by the manufacturer for use in the specific environment. i.e.: Cameras for seclusion rooms must be anti-ligature and specifically designed for high risk clinical environments.

.14 Required system components and owner supplied equipment is site specific. If not detailed in the project scope, contact Protection Services for requirements and details

2.2.4 Cameras

.1 Provide colour, high-resolution, high sensitivity (day/night) fixed smoke dome type with an auto iris fixed dome cameras with auto-iris lens operation. The mounting is to be appropriate for the environment, unobtrusive and matching colour with hidden cabling. Fixed cameras to be vandal resistant wall mounted and / or mounted at protective locations and heights.

.2 Net new camera installs must be IP/Network cameras. For situations where an Analog camera is better suited, consultation with Protection Services is required. Installation is required to be in compliance with IMIT Communications Infrastructure Standards.

.3 The camera shall be high resolution colour (minimum 2 megapixel (MP) and must automatically switch the camera from colour to black and white mode in extreme low light conditions.

.3 Camera resolutions are to be selected to achieve a minimum of 75 pixels per foot on target. Approximate coverage is as follows based on a mounting height of 10’.

- 2.0 MP dome cameras with 3-9mm lens; greater than 1MP FOV up to 50’ length x 30‘ wide (FOV)
- 3.0 MP dome cameras with 3-9mm lens; greater than 2MP FOV up to 60’ length x 35‘ wide (FOV)

- 5.0 MP dome cameras with 3-9mm lens; greater than 3MP FOV up to 80' length x 45' wide (FOV)

.4 The outdoor camera shall offer protection against the elements that allow operation in extreme temperatures. The camera's operating temperature range shall be -20° to 50° Celsius.

.5 The camera shall operate on 12 or 24VAC, DC or POE, and must automatically detect the applied voltage.

.6 Where IP cameras are installed; all cameras and converters shall integrate 100% with site specific recording platform.

.7 All Cameras must have default password updated during install (provided by Protection Services at the time of install)

.8 Non IP camera connections shall be crimped.

2.2.5 Video Recording System and Storage

.1 Video recording platforms may differ depending on location. Required system components and owner supplied equipment is site specific. If not specified in the project scope the contractor must contact Protection Services for details and requirements.

.2 Provide the appropriate encoding/decoding capability to support 2-way (video and control) communications with any and all IP Video Surveillance cameras, individually and/or in predetermined clusters via the security Ethernet infrastructure.

.3 The system shall be able to record clear images of individuals, which is to allow distinction of gender, ethnicity and age category. The system is to provide recorded images of sufficient quality to be used as court evidence in Canada.

.4 Provide video storage capacities for minimum of thirty (30) days at minimum eighteen (18) frames per second, at camera native resolution. Provide all required archive servers with required storage in the Facility MCC and client workstations. Backup directory server/archiver is not required in the BCC. System to have the ability to choose recording rates and quality for each camera, have activity detection and incorporate smart search capabilities. Motion only recording is acceptable. Data retention/storage to be supplied based on:

- H.264/H.265 Encoding
- Camera native resolution
- Minimum 18 FPS
- 70% Motion
- 30 Days retention
- Data storage days to be calculated utilizing RAID 6.

.5 Devices to be mounted in a secure location as directed by IMIT and Protection Services. Contractor shall coordinate final mounting location at site prior to installation. Prior to installation of all panels in communication rooms, final placement to be approved by the IH's IMIT Facilities Project Coordinator (IMITFPC) via email to IMITFPC@interiorhealth.ca in order to ensure placement does not interfere with any existing or future planned active telecommunications equipment.

.6 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.2.6 Monitors

.1 Monitors shall be wall or desk mounted as per the project scope or Protection Services.

.2 All monitors shall be high resolution, TFT active matrix LCD monitors, with multimode functionality, minimum 920 x 1080 resolution – minimum 24”.

2.2.7 Video Surveillance System Programming

.1 Video Surveillance programming must be completed by a mandatory integrator (refer to Section 1.20.2).If Contractor is not a VAR on Record with IH, a cash allowance (based on MSRP) for this work must be carried.

.2 Required programming includes, but not limited to, labeling/naming all devices, graphic user interface, and client software/user setup.

.3 Electronic versions of floor plans, if required, will be supplied by IH.

2.3 INTRUSION ALARM SYSTEM

2.3.1 General

.1 The protected space shall be provided with a complete intrusion alarm system. Intrusion protection shall be provided by way of door contact switches, and motion sensors (Note: glass break detectors used only in consultation with the Health Organization). The intrusion alarm system is designed to detect unauthorized entry into protected spaces.

.2 The intrusion alarm system must integrate into the Lenel access control system (if applicable), allowing users to be programming in the alarm system using Lenel On guard.

.3 Lenel integration (if applicable) to the alarm panel is required to allow authorized users to arm and disarm using their existing access card + PIN code (if required).

.3 The intrusion alarm system may be divided into separate partitions.

.4 The intrusion alarm control panel shall have a sufficient number of zone inputs so that each device shall be connected to a single zone (double doors may be grouped as a single zone).

.5 Home-run all devices to the alarm panel - do not gang or group devices unless otherwise authorized in writing by Protection Services.

.6 Modules for GSM and/or IP communication must be supplied to ensure connection if the system is externally monitored.

.7 When partitioned, each partition of the intrusion alarm system will have as a minimum the following devices:

- Full LCD keypad
- Siren

.8 The panel shall be non-proprietary (i.e. available to all alarm contractors).

.9 The panel power transformer shall be a minimum 37 VA. It shall be hard- wired to a dedicated, non-switched source (i.e. no plug-in type transformers).

.10 Battery backup shall be gel-cell type, minimum 7 Amp/Hour. Battery installation date shall be marked on the battery and panel cover.

.11 System panel boxes shall be supervised with tamper switches; end of line (EOL) resistors to be used and require 4 state supervision

.12 EOL devices shall be installed at the device – not in the panel.

.13 A copy of the zone descriptors shall be left inside the alarm panel.

.14 Fire Rated or two coats of CSA approved fire retardant white paint Plywood backing required for wall mount monitor installations.

.15 Installations include field equipment, mounting hardware, wiring, terminations and I/O modules required to support the various alarm points and/or alarm systems, programming and setup of all field devices.

.16 Provide sirens in the protected space, to alert staff of an alarm condition

.17 Where applicable, devices must be ULC approved for commercial use

.18 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.3.2 Keypads and Panels

.1 All keypads shall be LCD alpha (full English) type.

.2 All keypad panic buttons shall be disabled.

.3 All keypads to be set up for “Quick Arming” (* 0).

.4 All keypads to be installed at 54” AFF

.5 Panel mounting height, should be between 48” AFF to maximum of 96” AFF.

.6 All keypads and panels to be securely fastened to walls with 3/4in trade size, A-C plywood backing capable of supporting attached equipment, including weight of battery as required.

.7 Proper grounding as per manufacturer’s specification.

.8 All panels to be screwed closed.

.9 All panels to be installed within protected space, unless approved in writing by Protection Services.

.10 Acceptable manufacturers: Bosch or approved equivalent.

.11 Prior to installation of all panels in communication rooms, final placement to be approved by IH’s IMIT Facilities Project Coordinator (IMITFPC) via email to IMITFPC@interiorhealth.ca in order to ensure placement does not interfere with any existing or future planned active telecommunications equipment.

2.3.3 Sirens/Strobes

.1 The system shall include sufficient interior alarm siren to provide an audible alarm warning throughout the protected space; more than one siren may be needed to meet this requirement.

.2 Sirens to be a minimum of 100 decibels and not to exceed 120 decibels.

.3 All field devices to be calculated and sized by the contractor and an additional 20% capacity to be supplied.

.4 All systems shall be programmed for a 4 minute bell duration.

.5 An exterior strobe (blue), where required, shall be installed for all systems, location to be decided in consultation with the Health Organization (strobe may be mounted inside a window within the protected space - provided the strobe is visible from the exterior of the building).

.6 Strobe shall be latched so that the panel must be reset to turn it off. The strobe will provide staff with a warning that the alarm system has been activated.

.7 An audible warning shall be provided when the system is armed or during the exit delay period. The armed warning tone shall be different from the alarm siren sound and shall be audible throughout the protected space. Additional sirens or tone devices to be located throughout the protected space so that all staff can hear the alert.

2.3.4 Motion Detectors

.1 Motion detectors shall only be dual technology type (PIR and microwave).

.2 All motion detectors to be installed at manufacturers recommended height.

.3 All motion detectors shall be field-adjusted as per manufacturer's specifications for full coverage pattern of the protected spaces. Dual tech 360° detectors may be installed where applicable.

.4 Devices must be ULC approved for commercial use.

2.3.5 Glass Break Devices

.1 All devices shall be installed and field-adjusted as per manufacturer's specs.

.2 Devices must be ULC approved for commercial use.

2.3.6 Door/Window Contacts

.1 Every door which leads to the protected space shall be fitted with a door contact switch.

.2 All grade level or easily accessible opening windows shall be equipped with a contact.

.3 All door contacts shall be installed at the top of the door, opposite the hinge side of the door.

.4 All door and window contacts must be "wide gap" type.

.5 All door and window contacts must be concealed unless otherwise directed. If installed in wood or similar material, allow for expansion. Fill all voids with RTV silicone or equivalent.

.6 Devices must be ULC approved for commercial use.

2.3.7 Cellemetry Back-Up

.1 Cellemetry shall be used as a backup method for monitoring only unless approved in writing by Protection Services.

.2 Where a cellemetry back-up unit is installed it must be equipped with its own power supply, which is sized to meet the power requirements of the cellemetry unit.

.2 The cellemetry power supply shall be hard wired to a dedicated, non- switched circuit (i.e. no plug-in type transformers) and the circuit # clearly identified on both the electrical panel directory and on the alarm panel.

.3 Digital cellemetry panel must be installed in a location that is physically and visually separated from the main alarm panel (so that intruders cannot readily find the cellemetry panel to disable it).

.4 The cellemetry panel shall monitor Burglary (a separate zone coded as such) and TLM (telephone line monitoring). These zones shall be coded and identified as coming from the cellemetry panel.

.5 Devices must be ULC approved for commercial use.

2.3.8 Intrusion System Programming

.1 The contractor shall be responsible for all programming of the alarm system. This includes all user codes; all zone definitions and establishing a connection to IH's monitoring station choice.

- The use of 3rd Party Monitoring and/or direct notification via the Lenel and other site notification systems will be site/project specific. It is the contractor's responsibility to ensure alarm notification is designed and programmed as per site/project requirements.

.2 IH/Client/Tenant shall supply the contractor with all access codes and phone numbers to be programmed into the alarm system.

.3 The panel shall be programmed in SIA or CID format.

.4 The contractor shall program the following:

- Daily test transmission (after 00:01 – 05:00, but not on the hour).
- Bell time-out shall be set at 4 minutes.
- Home-away enabled only if requested by owner
- Opening and closing times.
- Remote download access enabled.
- Access & panel upload codes left at default.
- Unless installer and master codes are supplied by IH/Client/Tenant, the installer and master codes are to be left at default.

.5 The contractor shall not install a contractor's lockout enable and shall not program Forced Arming or Auto-Disarming without prior approval from Protection Services.

.6 Upon completion of programming the installer shall initiate an upload of the panel programming to IH's authorized monitoring agent.

.7 Once the system installation is complete, the contractor shall not access the system either physically or electronically without IH approval.

2.3.9 Intrusion System Monitoring (Intrusion/Panic/Duress)

.1 IH retains the right to monitor their alarm systems in the manner of their choice and will not be locked into any other monitoring arrangements as a result of alarm system installations.

.2 Contractor shall provide telephone connectivity (hardware & software) to IH's authorized monitoring agent/station in order to facilitate a security response. Costs for setup and coordination, if applicable, are the responsibility of the contractor.

.3 Where applicable, telephone lines to be installed by Telus in coordination with IH IMIT. Telephone line to be dedicated to the alarm system and telephone line

used for monitoring is not to be shared with other devices (the contractor is not permitted to utilize existing fax lines for monitoring).

.4 All telephone jacks used for alarm/security systems shall be wired to USOC RJ45 industry standards. All position eight (8) jacks shall be installed with a tamper loop, ahead of the demark block.

.5 Alarm panels are to be programmed for remote administration by IH and the security response company as identified.

2.4 PUBLIC PANIC AND STAFF DURESS SYSTEMS (WIRED)

2.4.1 General

.1 The Panic/Duress buttons shall utilize self-diagnostic, self-monitoring and reporting technology.

.2 The Panic/Duress systems, if required, are to be integrated to other security systems (access control, video surveillance and Radio system) either directly or via integration to allow for all panic alarms to be displayed/monitored/announced at locations identified in the project scope.

.3 Upon activation of any panic/duress button, the exact unit ID and location are to be annunciated to the mapping software and, if applicable, the Radio system and the staff workstation locations.

.4 All fixed buttons to be mounted at 48” to 56” AFF unless otherwise noted with protective covers.

.5 System panel boxes shall be supervised with tamper switches; end of line (EOL) resistors to be used and require 4 state supervision.

.6 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.4.2 Devices

.1 Panic/Duress buttons are to be hard wired with a lit (Red) mushroom style button and key reset. The buttons shall be equipped with strobe light and annunciation after the alarm activation.

.2 Exterior buttons (Parking lot and underground parking) to be wall mounted or pole mounted in well-lit areas spaced such that no spot may be more than a maximum of 30m from a panic button, maximum of 10m from the parking area edge, and at all parking area entrances.

.3 Interior buttons to be strategically wall mounted, suitably sized and identified/clearly labelled for “security emergency.”

.4 Acceptable manufacturers: Under counter buttons: HUB; Wall buttons: STI Model SS2221 with custom features including audible alert and cover.

2.4.3 Non-Monitored Panic Alarm (local response)

.1 Where specified, install a local response panic/duress system which is not externally monitored for a response.

.2 The system is to inter-connect to intrusion alarm system and separately report panic/duress alarms through the system and, if applicable, to the Security 2-way radios, pagers and alarm system (“map pods”) in the security office to allow

security monitoring staff to individually identify the location point and origin of the alarm.

.3 The contractor is responsible to ensure that the sequence of events and notifications following an activation of the system is per Protection Services requirements.

- The annunciation process and devices will differ from Site to Site. Protection Services will provide the information upon request.

.4 The panic/duress alarm panel will be controlled by an LED keypad that will clearly identify the location of each panic button.

.5 If more than 16 panic buttons are required then the panic alarm system shall annunciate to appropriately sized LED graphic annunciator panels.

.6 Make and model of panic button shall be decided in consultation with Protection Services.

.7 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.4.4 Monitored Panic Alarm (external response)

.1 As per above specifications, except that each panic button shall be connected to the main intrusion alarm system panel and each panic button shall be identified as an individual zone. If more than 16 panic buttons are required then the panic alarm system shall annunciate to appropriately sized LED graphic annunciator panel(s).

.2 Protection Services and/or the client is to be consulted as to whether or not monitored panic/duress buttons will also report locally. (Note that most monitored panic alarms do not report locally - either audibly or with a strobe).

.3 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.4.5 Panic System Programming

.1 Required programming includes, but is not limited to, labeling/naming all devices, graphic user interface, and client software/user setup.

.2 Electronic versions of floor plans, if required, to be supplied by IH.

2.5 STAFF DURESS SYSTEM (WIRELESS)

2.5.1 General

.1 Staff Duress systems can utilize either an RTLS solution or an Intrusion Alarm system.

- If via RTLS:
  - It shall be server-based and allow any Authority connected workstations to access the system for supervision, mapping and reporting purposes. Dedicated wall-mounted monitors and workstations shall be placed in all Care Team Stations where the system is required.
  - The system cannot utilise an 802.11 wireless network or the IH network.

    - If applicable, the system shall be fully integrated with the nurse call system on a room-by-room basis, such that alarms actuate the zone light for the departmental wing as well as the dome light above the room door, and annunciate the location at the nearest nurse call console. Via the nurse call system, staff duress alarms stating location shall also be annunciated through staff communication system (Vocera).
- If via Intrusion Alarm:
    - Duress buttons shall utilize self-diagnostic, self-monitoring and reporting technology.
    - Duress systems, if required, are to be integrated to other security systems (access control, video surveillance) either directly or via integration to allow for all alarms to be displayed/monitored and announced at locations identified in the project scope.
    - Upon activation of any duress button, the exact unit ID and location are to be annunciated to the mapping software and, if applicable, the staff workstation locations.

.2 A complete structured cabling infrastructure is to be installed to allow a complete system network, including receivers, repeaters and exciters.

.3 System panel boxes shall be supervised with tamper switches; end of line (EOL) resistors to be used and require 4 state supervision.

.4 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.5.2 Devices

.1 All wireless buttons/badges must have replaceable batteries.

.2 All wireless duress alarms must be tested throughout the entire protected area so as to ensure that the buttons work in all locations

.3 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.5.3 Non-Monitored Duress Alarm (with local response)

.1 Where specified, install a local response duress system which is not externally monitored for a response.

.2 Local duress systems will not be integrated into the main intrusion alarm panel (if monitored) unless specified by Protection Services.

.3 The contractor is responsible to ensure that the sequence of events and notifications following an activation of the system is per Protection Services requirements.

    - The annunciation process and devices will differ from Site to Site. Protection Services will provide the information upon request.

.4 Where multiple panic alarm locations are provided, a standalone panel shall be installed.

.5 Each standalone panic alarm panel will be controlled by an LED keypad that will clearly identify the location of each panic button.

.6 If more than 16 panic buttons are required then the panic alarm system shall annunciate to appropriately sized LED graphic annunciator panels.

.7 Make and model of panic button shall be decided in consultation with Protection Services.

.8 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.5.4 Monitored Duress Alarm (external response)

.1 As per above specifications, except that each panic button shall be connected to the main intrusion alarm system panel and each panic button shall be identified as an individual zone. If more than 16 panic buttons are required then the panic alarm system shall annunciate to appropriately sized LED graphic annunciator panel(s).

.2 Protection Services and/or the client is to be consulted as to whether or not monitored panic buttons will also report locally. (Note that most monitored panic alarms do not report locally - either audibly or with a strobe).

.3 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.5.5 Duress Alarm System Programming

.1 Required programming includes, but not limited to, labeling/naming all devices, graphic user interface, and client software/user setup.

.2 Electronic versions of floor plans, if required, to be supplied by IH.

2.6 INTERCOM SYSTEMS

2.6.1 General

.1 Where required, intercom(s) systems will be installed for communications.

.2 Unless otherwise specified, video intercoms will be utilized

.3 The client may elect to have the intercom interfaced with the entry door controls and/or the access control/card reader system for remote door control. The contractor is responsible for all interfacing between the various systems.

.4 Point to point / hard wired intercom(s) to be used unless otherwise specified

.5 PBX/telephone system based intercom(s) may be utilized in certain conditions and must be approved, in writing by the IMIT and Protection Services

.6 Acceptable manufacturer, required system components and owner supplied equipment may be site specific. If not detailed in project scope, contact Protection Services for details and requirements.

2.6.2 Devices

.1 Intercom cameras to be minimum 180 degree field of view (FOV)

.2 Approved manufacturers: A-phone or approved equivalent

2.6.3 Intercom System Programming

.1 Program the system and associated components to the satisfaction of the owner.

.2 Required programming includes, but not limited to, labeling/naming all devices, graphic user interface, and client software/user setup. Some deployment applications may require programming to the electronic access control system.

1.1 IDENTIFICATION OF PIPING SYSTEMS

.1 Each system will be labelled including directional flow arrows in accordance with the Pipe Identification Schedule and to CAN/CGSB 24.3 except where specified otherwise.

.2 Pictograms: Where required by Codes, WorkSafeBC (Workers' Compensation Board of British Columbia) and any other Authorities Having Jurisdiction.

.3 Arrows showing direction of flow:

- .1 Outside diameter of pipe or insulation less than 75 mm [3”]: 100 mm long x 50 mm high [4” long x 2” high].
- .2 Outside diameter of pipe or insulation 75 mm [3”] and greater: 150 mm long x 50 mm high [6” long x 2” high].
- .3 Use double-headed arrows where flow is reversible.

.4 Extent of background colour marking:

- .1 To full circumference of pipe or insulation.
- .2 Length to accommodate pictogram, full length of legend and arrows.

.5 Materials for background colour marking, legend, arrows:

- .1 Adhesive labels:
  - .1 Identification labels may be stencilled or be vinyl cloth (Brady B500) or vinyl film (Brady B946), with adhesive compatible with the surface temperature.
  - .2 Identification colour bands will overlap a minimum of 150 mm [6"]. Ends to be stapled.
- .2 Coiled plastic pipe labels:
  - .1 Printed coiled vinyl identification strips.
  - .2 Material: 0.508 mm [0.020”] vinyl service suitable for service temperatures of -40°C [-40° F] to 71° C [160° F].
  - .3 Attachment:
    - .1 10mm – 145mm pipe OD: self-adhering tight-fitting coil
    - .2 150mm pipe OD and larger: cable tie fastening.
  - .4 Acceptable manufacturer: Primark Manufacturing

.6 Colours and Legends:

- .1 Where not listed, obtain direction from Engineer.
- .2 Colours for legends, arrows: to following table:

Background colour:	Legend, arrows:
Yellow	BLACK
Green	WHITE
Red	WHITE

.7 Pipe Identification Schedule:

Service	Identification Lettering	Primary Colour	Secondary Colour
Acid Waste	ACID	Yellow	Black
Boiler Blow Off Piping	--	Yellow	Black

Service	Identification Lettering	Primary Colour	Secondary Colour
Boiler Blowdown	--	Yellow	Black
Boiler Feed Water	BFW	Yellow	Black
Carbon Dioxide - open spaces	CO2	Red	White
Carbon Dioxide - confined spaces	CO2	Red	Yellow
Chilled Water Return	CHWR	Green	--
Chilled Water Supply	CHWS	Green	--
Chilled Water Return - Glycol	CHWR - DO NOT DRAIN	Green	--
Chilled Water Supply - Glycol	CHWS - DO NOT DRAIN	Green	--
Cold Water Service	CW	Green	--
Compressed Air - 0 to 690 kPa [0 to 100 psig]	COMP.A.	Green	--
Compressed Air - 700 kPa [101 psig] and higher.	COMP.A.	Yellow	Black
Condensate-Med. Press.	MPCond	Yellow	Black
Condensate-Low Press.	LPCond	Yellow	Black
Condensate - Pumped	Pump. Cond.	Yellow	Black
Condenser Water Return	COND. WTR. RETURN	Green	--
Condenser Water Supply	COND. WTR. SUPPLY	Green	--
Cooling Tower water supply	CTWS	Green	--
Cooling Tower water return	CTWR	Green	--
Domestic H.W. Supply - 82°C [180°F]	DHWS 82°C [180°F]	Yellow	Black
Domestic H.W. Supply - 60°C [140°F]	DHWS 60°C [140°F]	Yellow	Black
Domestic H.W. Return	DHW Return	Yellow	Black
Domestic H.W. Recirc.	DHWR	Yellow	Black
Exhaust Piping	-	Yellow	Black
Fire lines - Wet Standpipe	WS	Red	White
Fire lines - Dry Standpipe	DS	Red	White
Fire lines - Combined Standpipe	CS	Red	White
Fire lines - Sprinkler (Wet)	SPR	Red	White

Service	Identification Lettering	Primary Colour	Secondary Colour
Fire lines - Sprinkler (Dry)	SPR.D.	Red	White
Fuel oil 2	F.O. #2	Yellow	Orange
Heat Pump Water return	HPWR	Yellow	Black
Heat Pump Water supply	HPWS	Yellow	Black
Heat Recovery (cool)	HRC - DO NOT DRAIN	Yellow	Black
Heat Recovery (warm)	HRW - DO NOT DRAIN	Yellow	Black
Heating Water Return	HWR	Yellow	Black
Heating Water Supply	HWS	Yellow	Black
Heating Water Return - Glycol	HWR - DO NOT DRAIN	Yellow	Black
Heating Water Supply - Glycol	HWS - DO NOT DRAIN	Yellow	Black
Heat Pump Water Return - Glycol	HPWR - DO NOT DRAIN	Yellow	Black
Heat Pump Water Supply - Glycol	HPWS - DO NOT DRAIN	Yellow	Black
Natural Gas	Gas	Yellow	Orange
Non-Potable Water Service	WARNING: NON-POTABLE WATER - DO NOT DRINK	Purple	--
Propane	LP Gas	Yellow	Orange
Safety Valve Blowdown	--	Yellow	Black
Steam	KPa [psi]	Yellow	Black

GIBBON STREET

GIBBON STREET

SERVICE LANE

WORK AREA B

DENI HOUSE

6TH AVENUE NORTH

JOHNSON STREET

6TH AVENUE NORTH

EXISTING HOSPITAL

WORK AREA C1

WORK AREA C

NURSES' RESIDENCE

4TH AVENUE NORTH

WORK AREA C

WORK AREA A

COMER STREET

APPENDIX 1O - WORK AREA DIAGRAM - STAGE 1

Cariboo Memorial Redevelopment Project
EXECUTION COPY
Schedule 1 - Statement of Requirements

N

Scale 1 : 300

A122b

GIBBON STREET

GIBBON STREET

SERVICE LANE

6TH AVENUE NORTH

JOHNSON STREET

DENI HOUSE

WORK AREA D

WORK AREA E

FACILITY

EXISTING HOSPITAL

6TH AVENUE NORTH

NURSES' RESIDENCE

4TH AVENUE NORTH

COMER STREET

APPENDIX 1O - WORK AREA DIAGRAM - STAGE 2

Cariboo Memorial Redevelopment Project
EXECUTION COPY
Schedule 1 - Statement of Requirements

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Scale 1 : 300

A122c

GIBBON STREET

GIBBON STREET

SERVICE LANE

6TH AVENUE NORTH

JOHNSON STREET

DENI HOUSE

WORK AREA F

FACILITY

EXISTING HOSPITAL

6TH AVENUE NORTH

NURSES' RESIDENCE

4TH AVENUE NORTH

COMER STREET

APPENDIX 1O - WORK AREA DIAGRAM - STAGE 3

Cariboo Memorial Redevelopment Project
EXECUTION COPY
Schedule 1 - Statement of Requirements

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Scale 1 : 300

A122d

SCHEDULE 2

REVIEW PROCEDURE

1. SUBMITTAL SCHEDULE

1.1 The parties agree that the preliminary schedule for Submittals (the "**Submittal Schedule**") is included in the Time Schedule that is included in the Proposal Extracts, and that the Submittal Schedule will conform to the requirements identified in Sections 15 and 16 of the Agreement and the Statement of Requirements. The Submittal Schedule may be amended by agreement of the parties in accordance with the terms of this Section 1. Any amendment to the Submittal Schedule will provide for a progressive and orderly flow of Submittals from the Design-Builder to the Authority as appropriate to allow sufficient time for review of each Submittal by the Authority, taking into account both the resources necessary to be available to the Authority to conduct such review and any user group consultations.

1.2 Unless a longer period is required by this Agreement or is otherwise reasonably required by the Authority, the Submittal Schedule will allow a minimum of:

(a) 15 Business Days for the Authority's review of Submittals submitted in relation to the Design pursuant to this Schedule, or

(b) 10 Business Days for the Authority's review of other Submittals,

from the date of receipt for review of and response to each Submittal, provided that if the Design-Builder has made major changes to the grouping and volume of Submittals, such period of time will be adjusted, acting reasonably, taking into account the factors set forth in this Section 1.

1.3 The Design-Builder will in scheduling Submittals and in the performance of the Design and the Construction, allow adequate time prior to performing the Design and the Construction that are the subject of the Submittals, for review of the Submittals and for the Design-Builder to make changes to the Submittals, the Design and the Construction that may be required if comments are received on the Submittals.

1.4 If the Submittal Schedule indicates that a large number of Submittals will be made at one time, the Authority may request a longer period for review or a staggering of the Submittals, and the Design-Builder will revise the Submittal Schedule accordingly, taking into account both the availability of resources required by the Authority to conduct such review and whether delay in the review of the subject matter of the Submittal will have a material impact on the Design-Builder's ability to progress future anticipated Submittals and the Design or Construction in accordance with the Time Schedule.

1.5 The Design-Builder will submit the Submittal Schedule, including amendments prior to the start of Construction and, subsequently, to the Authority on a monthly basis until Substantial Completion is achieved.

1.6 All amended Submittal Schedules will be required to meet all the requirements of this Section 1.

1.7 The Design-Builder will submit all Submittals to the Authority in accordance with the current amended Submittal Schedule.

1.8 The Design-Builder will bear the risk of delays and additional costs caused as a result of the late submission of Submittals to the Authority, by Submittals which are rejected and required to be re-submitted in accordance with the terms of this Schedule 2 - Review Procedure, or by changes in the Design and Construction required as a result of comments made pursuant to this Schedule 2 - Review Procedure.

2. GENERAL REQUIREMENTS FOR SUBMITTALS

2.1 Unless otherwise specified by this Agreement or by the Authority, the Design-Builder will issue an electronic copy of each Submittal in .pdf format or other format agreed by the parties acting reasonably. Unless otherwise required by this Agreement or by applicable Law to be signed or sealed at the time the Submittal is first provided to the Authority, upon assignment of the comment "REVIEWED" by the Authority of each Submittal the Design-Builder will issue a paper copy (or an electronically sealed copy if agreed by the Authority) of the Submittal that has been sealed by the Design-Builder's Consultant as required by Section 2.4 below.

2.2 The Design-Builder will compile and maintain a Submittal log that includes the date, contents and status of the submission of all Submittals, including the date, contents and status of the submission of all Submittals, including the date of receipt and content of all returned Submittals and comments thereon.

2.3 All Submittals will be in English.

2.4 All Submittals, and all amended versions of Submittals, required by this Agreement or by applicable Law to be signed or sealed by persons with professional designations (including where applicable by registered professional architects or engineers) will be so signed and, where applicable, sealed, and will include confirmation by such person or persons that the Work proposed by the Submittal meets the requirements of the Agreement, including the Statement of Requirements.

2.5 All Submittals will include all documents to be reviewed and will clearly identify the purpose of the Submittal, the Design-Builder's proposed course of action relating to the Submittal and the Design and the Construction that are the subject of the Submittal.

2.6 All Submittals will refer to the relevant provisions of Schedule 1 – Statement of Requirements and to any matter that has previously been subject to review. All Submittals will:

(a) be clearly identified as a Submittal and will be delivered with appropriate covering documentation, which will include a list of all attached Submittals and for each Submittal the document number(s) or drawing number(s);

(b) include revision numbers (if applicable);

(c) include document or drawing title(s);

(d) include name of entity that prepared the Submittal;

(e) include details of the Submittal log showing date and delivery information and/or log number of all previous submissions of that Submittal; identification of any previous Submittal superseded by the current Submittal, and a description of the portions of the Submittal that are the subject of review; and

(f) state the purpose of the submittal or portions of the submittal and provide clarification regarding any portions of the submittal that are not intended to be reviewed.

3. COMMENTS

3.1 The Authority will review and respond to each Submittal in accordance with the applicable time periods for the Submittal.

3.2 The Authority will return Submittals to the Design-Builder and assign one of the following comments:

(a) "REVIEWED";

(b) "CORRECT DEFICIENCIES";

(c) "REJECTED"; or

(d) "NOT-REVIEWED".

3.3 The comment "REVIEWED" will be assigned to those Submittals that, in the opinion of the Authority, acting reasonably, conform to the requirements of this Agreement. The Design-Builder will comply with and implement such Submittals.

3.4 The comment "CORRECT DEFICIENCIES" will be assigned to those Submittals that, in the opinion of the Authority, acting reasonably, generally conform to the requirements of this Agreement, but in which minor deficiencies have been found and identified by the Authority's review. The Design-Builder will, to the extent necessary, correct these Submittals and provide a copy of such Submittals to the Authority before the Design-Builder implements the portions of such Submittals that have received comments, but may proceed on the portions of such Submittals that have not received comments. The Design-Builder will comply with and implement such corrected Submittals. If at any time it is discovered that the Design-Builder has not corrected the deficiencies on Submittals that were correctly stamped "CORRECT DEFICIENCIES", then the Design-Builder will be required to modify the Submittals, the relevant Design and the Construction as required to correct the deficiencies and the Design-Builder may be required, at the Authority's discretion, acting reasonably, to resubmit relevant Submittals.

3.5 The comment "REJECTED" will be assigned to those Submittals that, in the opinion of the Authority, acting reasonably, contain significant deficiencies or do not conform with the requirements of this Agreement, including this Schedule 2 - Review Procedure. The Design-Builder will correct and re-submit these Submittals within 10 Business Days after the comment has been provided to the Design-Builder. The Authority will then review such corrected Submittals and assign a comment to the corrected Submittal. The Submittals will be corrected, revised and resubmitted as often as may be required to obtain a comment that permits the Design-Builder to proceed. Except with the written consent of the Authority, the Design-Builder will not proceed with any Design or Construction to which such Submittals receiving the comment "REJECTED" relate until the Design-Builder obtains a comment that permits the Design-Builder to proceed.

3.6 The comment "NOT-REVIEWED" will be assigned to those Submittals that, in the opinion of the Authority, acting reasonably, are not required to be reviewed pursuant to this Agreement, including this Schedule 2 - Review Procedure. The Submittal will be returned to the Design-Builder with no action taken by the Authority.

3.7 The Authority may request additional time for the review of any Submittal, including where the Submittal is voluminous or requires extensive review by representatives (including consultants) of the Authority, and the Design-Builder will extend such time for any reasonable requests by the Authority.

3.8 If the Authority does not respond to a Submittal within the applicable time periods for the Submittal, the Submittal will be deemed "REVIEWED" and the Design-Builder may proceed with and implement the Design and the Construction on the basis set forth in the applicable Submittal without any further action or documentation required.

3.9 Where the Authority issues the comment "CORRECT DEFICIENCIES" or "REJECTED", the Authority will provide reasons for the comment, referencing the particulars of the Section(s) of the Agreement (including the Statement of Requirements) that the Submittal fails to satisfy.

3.10 If at any time after assigning any comment to a Submittal or where Section 3.8 of this Schedule has applied, the Authority or the Design-Builder discovers deficiencies or any failure to conform to the requirements of this Agreement, the Authority may revise the comment assigned to any Submittal. If the parties agree or it is determined in accordance with Section 63 (Dispute Resolution) of the Agreement that the revised comment is correct, the Design-Builder will make all such corrections to the Submittals and the Design and the Construction.

3.11 For the purpose of facilitating and expediting the review and correction of Submittals, the Authority's Representative and the Design-Builder's Representative will meet as may be mutually agreed to discuss and review any outstanding Submittals and any comments thereon.

3.12 In lieu of returning a Submittal, the Authority may by letter notify the Design-Builder of the comment assigned to the Submittal and if such comment is "CORRECT DEFICIENCIES" or "REJECTED" the letter will contain comments in sufficient detail for the Design-Builder to identify the correction sought.

4. USER CONSULTATION PROTOCOL

4.1 The Design-Builder acknowledges that review of the Design by the Authority and consultation with the Facility users is an essential step in the completion of the detailed design of the Facility. Accordingly, the Design-Builder will conduct consultations with representatives of the Facility users (the "**User Consultation Groups**") as described in this Schedule 2 - Review Procedure. The Authority will make reasonable efforts, as requested by the Design-Builder, to assist and support the Design-Builder with the consultation process, but nothing in this Section 4 will be interpreted to give the Authority responsibility for the Design, the Design schedule or the user consultation process.

4.2 The Authority will establish User Consultation Groups that may include the Authority, the Authority's Representatives, employees, agents, contractors and subcontractors, physicians, nurses, other clinicians, patients, visitors, students and volunteers. The Authority may also from time to time include residents, families and neighbours in the user consultation process.

4.3 Unless agreed by the Authority, all aspects of the Design will be subject to review by one or more User Consultation Groups.

4.4 The User Consultation Groups will include a User Consultation Group designated as the "Core User Group" with responsibility for coordinating the Design review process with the Design-Builder.

4.5 Unless otherwise agreed, Submittals will be provided and reviewed in accordance with the following:

(a) Draft Submittal to the Authority:

(i) The Design-Builder will provide a draft Submittal as indicated on the Submittal Schedule that includes all relevant material with a covering transmittal indicating the purpose of the Submittal, and the information that should be reviewed by the Authority and the User Consultation Groups.

(ii) All changes from a previous Submittal should be clearly indicated in accordance with Section 7 of this Schedule 2 - Review Procedure.

(b) User Consultation Group:

(i) 5 Business Days following the draft Submittal, the Design-Builder will present the relevant material at a meeting of the relevant User Consultation Group(s).

(ii) The presentation will be made in person or via videoconference by the Architect or, if the Authority agrees, the Design-Builder's engineer or other subject matter expert.

(iii) The Design-Builder's presentation will include a page-by-page review of the draft Submittal.

(iv) The Design-Builder must be in attendance, preferably in person but teleconference is acceptable.

(v) During the presentation, a representative of the Design-Builder will take "live minutes" so that all parties can agree on the content of the minutes during the meeting. The Design-Builder will circulate the minutes immediately after the meeting to all parties and within 3 Business Days the Design-Builder must circulate formal minutes for review. If the Authority notifies the Design-Builder of any errors in the minutes, the Design-Builder will correct such errors within 3 Business Days of the Authority's notice.

(c) Informal Comments from the Authority:

(i) The Authority will provide any informal feedback through to the Design-Builder.

(ii) The Authority will provide additional informal feedback within one week after the presentation, unless the Authority advises the Design-Builder in writing. The period will not exceed two weeks unless agreed with the Design-Builder.

(d) Formal Submittal to the Authority:

(i) The Design-Builder will make the formal Submittal within 10 Business Days following the presentation (or 5 Business Days after receiving additional informal feedback).

(ii) If the Design-Builder does not address the feedback received at the presentation or subsequently provided by the Authority, the Design-Builder will provide commentary on the reasons for not addressing the feedback.

(e) Formal Response from the Authority:

(i) The Authority will respond within 15 Business Days following the formal Submittal in accordance with this Schedule 2 - Review Procedure.

4.6 The process set out in this Section 4 will be set out in the Submittal Schedule.

4.7 The parties acknowledge that Design development is an iterative and interactive process and that additional User Consultation Group review and meetings may be required from those shown on the Submittal Schedule. The parties will co-operate to amend the Submittal Schedule as may be required from time to time to ensure that sufficient consultations with the User Consultation Group in relation to each component of the Design (and changes to the Design resulting from such consultations) are completed prior to the Design-Builder making the formal Submittal.

4.8 The Authority and the Design-Builder will not be bound by the consultations with the User Consultation Groups, unless reflected in the formal Submittal and comments from the Authority.

4.9 If the Design-Builder considers that compliance with any comment raised by a User Consultation Group member would lead to a Change, the Design-Builder will, before taking into account such comment or objection, notify the Authority. If it is agreed by the Authority that such comments or objections would lead to a Change then the procedure as detailed in Part E - CHANGES of the Design-Build Agreement will apply. In all cases, the parties will cooperate to identify potential alternative solutions to any comments or objections raised that would not lead to a Change.

4.10 The User Consultation Group consultation meetings will be held via video conference or in person in Vancouver, or another location designated by the Authority, at a space made available by the Authority.

5. DISPUTES

5.1 If the Design-Builder disputes any comment issued by the Authority in respect of a Submittal, including on the basis that the comment is or would result in a Change, the Design-Builder will promptly notify the Authority of the details of such Dispute and will submit the reasons why the Design-Builder believes a different comment should be assigned, together with appropriate supporting documentation. The Authority will review the Submittal, the reasons and supporting documentation and within 7 Business Days after receipt thereof will either confirm the original comment or notify the Design-Builder of a revised comment. Nothing in this Section 5 will limit either party's right to refer a Dispute for resolution in the first instance to the Authority's Consultant under Section 63 (Dispute Resolution) of the Agreement.

6. EFFECT OF REVIEW

6.1 Any review of and comment by the Authority on any Submittals are for general conformity to the obligations and requirements of this Agreement, and any such review and comment will not relieve the Design-Builder of the risk and responsibility for the Design and the Construction and for meeting all of its obligations and requirements of this Agreement, and will not create any new or additional obligations or liabilities for the Authority. Without limiting the generality of the foregoing any and all errors or omissions in Submittals or of any review and comment will not exclude or limit the Design-Builder's obligations or liabilities in respect of the Design or the Construction under this Agreement or exclude or limit the Authority's rights in respect of the Design and the Construction under this Agreement.

7. SUBMITTAL EXPLANATION

7.1 At any time, the Authority may, acting reasonably, require the Design-Builder, including the Design-Builder's Consultant, Subcontractors and any other relevant personnel, at no additional cost to the Authority, to explain to the Authority and the Authority's advisors the intent of the Design-Builder's Submittals, including in relation to any design and any associated documentation and as to its satisfaction of the Statement of Requirements.

8. REVISIONS

8.1 The Design-Builder will ensure that Submittals keep the same, unique reference number throughout the review process, and that all subsequent revisions of the same Submittal are identified by a sequential revision number and identified and tracked in the Submittal log. Correspondence related to such Submittal will reference the reference number and revision number.

8.2 Re-submittals will clearly show all revisions from the previous Submittal. Bound documents, including reports and manuals, will contain a preface that clearly states how revisions are marked and the previous revision number against which the revisions have been marked and highlighted within the document. A consistent format for mark-ups of documents will be used (e.g. deletions struck out and additions underscored). Revised portions of drawings will be clearly marked (with appropriate means to visually distinguish between the parts of the drawing that are revised and the parts that are not revised) and the revision number and description of the revision will be included on the drawing.

8.3 All revisions on print media will be initialed by hand by the individual designer, design checker and, where applicable, by the drafter and the drafting checker and will identify the persons who initialed the Submittal. Electronic versions of the Submittal will identify the persons who initialed the revisions to the printed version of the Submittal.

8.4 The Design-Builder will keep all Drawings and Specifications current. If any Drawings and Specifications are revised as part of a Submittal, all other Drawings and Specifications relying on or based on those Drawings and Specifications will also be revised accordingly. All such revised Drawings and Specifications will also be submitted with the Submittal to which it relates.

9. AUDIT BY THE AUTHORITY

9.1 Without limiting any other right under the Agreement, the Authority will have the right to audit all Submittals, including comparing all Submittals to previous Submittals.

9.2 If during an audit or at any other time it is discovered by the Authority or the Design-Builder that any Submittals were not correctly implemented, the Design-Builder will at its sole cost immediately take all necessary steps to correct and modify the applicable Submittals and the Design and Construction to which they relate and will advise the Authority of all such corrections and modifications.

APPENDIX 2A
SUBMITTALS

1. PROCESSES AND SUBMITTALS

Capitialized terms which are used in this Appendix 2A [Submitals] but which are not defined in Section 1 of the Agreement will have the meaning given to such terms in the Statement of Requirements.

1.1 Progressive Submittals

(a) In accordance with Schedule 2 [Review Procedure], the Design-Builder will make submissions of the design and construction documents to the Authority for review at progressive 30%, 50%, 70%, 90%, 100% and record design and construction document phases as follows:

(i) 30% design and construction documents (30% Phase)

(A) This phase will include supplemental information included in Schedule 7 [Proposal Extracts] and development of Drawings and other documents illustrating the scale and character of the Facility, architecture and all engineering systems in sufficient detail to describe how all parts of the Facility functionally relate to each other, such as the Site Plan, master planning, roadworks design, spatial relationship diagrams, principal floor plans, flow diagrams, Building Systems, sections, and elevations; together with a written design brief.

(B) In addition to the specific documentation required in this Appendix 2A, at a minimum the following items will be addressed:

(1) Proposal for a Design vision, aesthetics, materials and building character, including Facility elevations;

(2) How the Design promotes close ties with the neighbourhood and integration with the surrounding community;

(3) How the Design considers coherent and harmonious integration of the architectural elements into the Site, the CMH Campus and future buildings;

(4) Description of the provision of Building Systems for the Facility and integration with the Site Utilities;

(5) Overall approach to achieving the Project Design Objectives described in Section 3.1 of the Statement of Requirements, including specific characteristics of the Design that reflect the Authority's identity and vision;

(6) A plan of the Site, illustrating the Site boundary, accesses, egresses and drop-offs (pedestrian, bicycle and all vehicular traffic including fire, ambulance and service vehicles) and surrounding buildings;

(7) Site and Facility flexibility concepts;

(8) Plans of Component blocking, layouts, vertical stacking and links, internal and external flow of circulation and Component Drawings and its integration into the Existing Hospital;

(9) Analysis of plans for the flows of Patients, families, providers, equipment, supplies, medications, food and linens, and waste including flows to and from the Facility;

(10) Verification of standardization and, accessibility;

(11) Vertical transportation analysis demonstrating elevator locations and level of service;

(12) Description of strategy for IM/IT and security systems and how these systems will enable and enhance clinical functionality;

(13) Facility Threat and Risk Assessment Report;

(14) Preliminary maintenance strategy narrative considering siting of mechanical and storage components,

(15) Analysis of nomenclature exploring the language and symbols attached to the Facility and CMH Campus and the Components contained therein.

(16) An annotated LEED Project checklist indicating all of the credits targeted to be achieved, the responsible party who will sign and prepare the LEED documentation for each targeted credit, and a brief description of the Project approach to achieve the credit and any risks identified;

(17) A narrative describing the integrative process outcomes related to the LEED prerequisite and credit associated with integrative process (if this credit is pursued);

(18) Commissioning Plan outline;

(19) Description of strategy for compliance with all waste management programs;

(20) Code Report; and

(21) Demonstration of conformance to City bylaw requirements.

(ii) Before the 50% design and construction documents phase can begin, either the end of the Design phase will result in the 30% Phase REVIEWED status or all of the outstanding comments on a Submittal will be agreed in writing by the Authority as not being material in nature.

(A) 50% design and construction documents (50% Phase);

(1) In addition to the 30% Phase requirements and the detailed requirements of this Appendix 2A, this phase will include Drawings, Minimum Room Requirements and other documentation, including details of all Building Systems with outline Specifications, to fully describe the size and character of the entire Facility including the architectural, landscaping, civil, structural, mechanical, electrical and IM/IT systems, materials, equipment, Furniture and other elements.

(2) At a minimum the following items will be addressed:

a) Update of documents based on the Authority comments from the 30% design and construction documents stage;

b) Developed Design, including context plan, Phasing Plan, Site plan, all floor plans and a roof plan;

c) Developed exterior elevations of the Facility, cross-sectional Drawings, including indication of surface materials for all areas;

d) Developed integration of exterior spaces, including courtyards, plazas and other outdoor spaces, vehicle access/egress (including drop-off and pick-up access to parking, temporary parking, parking numbers, emergency and service vehicle parking, etc.);

e) Developed interior concepts and key interior elevations, colours and materials;

f) Developed landscape plans;

g) Minimum Room Requirements;

h) Developed Energy Model and report detailing Energy Consumption, the Energy Target, the Carbon Target and the target for LEED Gold Certification;

i) Draft Commissioning Plan;

j) Sample verification checklists and test procedures; and

k) Draft Acoustic Report.

(3) At a minimum, the following items will be addressed for the clinical aspects of the Facility:

a) Plans of each floor level updated based on the Authority comments from the 30% design and construction documents stage and to include all Components and support space including mechanical and electrical services, colour coded. Rooms and spaces will be numbered according to the reference numbers in Appendix 1A [Clinical Specifications and Functional Space Requirements];

b) A full lighting and switching layout for each room and floor plate;

c) Developed interior finishes (flooring, walls, wall protection and ceiling finishes) for all rooms and floor plates, including three options for interior finishes' colour and materials selection boards;

d) Efficient integration into the plans of all equipment and Furniture;

e) Facility Wayfinding strategy consistent with IHA Wayfinding Standards and how it will be incorporated, including draft Wayfinding circulation analysis, preliminary sign and Wayfinding asset locations and content, Facility and CMH Campus nomenclature and symbolic language, and preliminary sign concepts;

f) Review and integration of all Millwork and Modular Casework details and Systems Furniture and Clinical Systems Furniture;

g) Review of door controls and door hardware concepts/strategies;

h) Review of security strategies, including updated security systems floor plans and equipment details and locations of all equipment, connection points and control points;

i) Identification of all permit requirements;

j) Review of technology systems detailed plans and integration into existing systems enabling and enhancing clinical functionality;

k) Review of detailed plans for post disaster management;

l) A comparison table between the required NSM based on Appendix 1A [Clinical Specifications and Functional

Space Requirements] and that of the proposed Design; and

m) Identification of all permits, certificates, accreditation and other requirements for Authority activities, for which the Authority requires documentation, coordination and information from the Design-Builder.

(4) At a minimum, the following items will be addressed for the technical aspects of the Facility:

a) 1:100 plans of all levels including the roof plan and penthouse;

b) Main engineering component Drawings that relate to the connection of municipal infrastructure and public services;

c) Main engineering component Drawings that relate to the clinical design;

d) Main engineering component Drawings that relate to equipment infrastructure;

e) Main engineering component Drawings that relate to the mechanical HVAC system;

f) Indication of all fire separations and the required fire resistance rating, areas of refuge, contained use areas and Outbreak Control Zones;

g) Main engineering component Drawings that relate to the plumbing system;

h) Main engineering component Drawings that relate to the medical gas system;

i) Main engineering component Drawings that relate to the power, lighting, fire alarm, communications and electronic safety and security systems;

j) Main engineering component Drawings that relate to landscaping, exterior lighting and stormwater retention;

k) Main engineering component Drawings that relate to the structural system;

l) Main engineering component Drawings that relate to the Life Safety Systems;

m) Drawings indicating future engineering system flexibility; and

n) Provide preliminary load redundancy and spare capacity calculations.

(B) Clinical and technical aspects may be combined.

(1) a minimum the following items will be addressed for clinical equipment and IM/IT:

a) Main component Drawings that relate to the clinical equipment; and

b) Main component Drawings that relate to all IM/IT.

(2) Written reports detailing and describing the manner in which the following have been taken into account in the Design:

a) Clinical operations and delivery including the following flows: Patients, family, Staff, equipment, medication, supplies, food, linen and waste and recycling;

b) Interior and exterior materials selection;

c) Constructability;

d) The Facility Threat and Risk Assessment Report including security and post-disaster management;

e) Building operating services;

f) Technology systems:

i) Integrated automation systems;

ii) Communication systems; and

iii) Electronic safety and security systems.

g) Any other report Submittals the Authority reasonably requires.

(iii) Before the 70% design and construction documents phase can begin, either the end of the Design phase will result in the 50% Phase REVIEWED status or all of the outstanding comments on a Submittal will be agreed in writing by the Authority as not being material in nature.

(A) 70% design and construction documents (70% Phase);

(1) In addition to the 50% Phase requirements and the detailed requirements of this Appendix 2A, at a minimum the following items will be addressed:

a) Update of documents based on the comments from the Authority on the 50% design and construction documents stage;

b) Developed room numbering plan for Authority use (public and Patient Wayfinding and FMO);

c) Confirmed Facility, CMH Campus and Component nomenclature report for Wayfinding; and

d) Developed life cycle analysis framework of expected renewals, refurbishments and replacement of building elements.

(iv) Before the 90% design and construction documents phase can begin, either the end of the Design phase will result in the 70% Phase REVIEWED status or all of the outstanding comments on a Submittal will be agreed in writing by the Authority as not being material in nature.

(A) 90% design and construction documents (90% Phase);

(1) In addition to the 70% Phase requirements and the detailed requirements of this Appendix 2A, at a minimum the following items will be addressed:

a) Update of documents based on the comments from the 70% design and construction documents stage.

(v) Before the 100% design and construction documents phase can begin, either the end of the Design phase will result in the 90% Phase REVIEWED status or all of the outstanding comments on a Submittal will be agreed in writing by the Authority as not being material in nature.

(A) 100% design and construction documents (IFC);

(1) This Issued for Construction documents (IFC) phase will include construction documents consisting of Drawings and Specifications describing in detail the requirements for the construction of all components, systems and equipment of the Facility delivered to the Authority in accordance with the Submittal Schedule, in a timely way in advance of Construction with sufficient detail to permit the Authority to understand and assess the Design of the Facility.

(2) If the Design-Builder intends to proceed with Construction of an element of the Facility in advance of the completion of the Design of the entire Facility, then the Design-Builder will schedule and

deliver the appropriate design and construction documents for that element with sufficient accompanying detail to permit the Authority to understand and assess the design of that element in advance of the design and construction documents for other elements of the Facility.

(b) In each Design and construction document phase, the Design-Builder will provide the Authority with the level of detail and documentation that the Authority would customarily receive, or expect to receive, for a healthcare facility similar to the Facility in accordance with Good Industry Practice, including as applicable to a particular phase:

(i) Dimensioned floor plans and elevations showing all Millwork and Modular Casework;

(ii) All plans will indicate equipment installation, removal and maintenance clearances;

(iii) Reflected ceiling plans;

(iv) Interior finishes;

(v) Furniture, Systems Furniture, Clinical Systems Furniture and equipment and with all equipment description labels;

(vi) Interior elevations for all rooms and spaces, including all interior finishes, Millwork, Modular Casework, technology systems, mechanical and electrical;

(vii) Exterior elevations;

(viii) 3D computer model renderings;

(ix) Completed Site and landscaping plans;

(x) Room finish schedules; and

(xi) The Design-Builder will provide, at the 30% and 50% phases, a written design brief, which will also address the methodology and solutions for each discipline's design in addition to the following items:

(A) Clinical operations and functionality, including at minimum:

(1) Standardization;

(2) Line of Sight;

(3) Travel distances;

(4) Personal safety of Patient, Staff and visitors and risk reduction;

(5) Wellness, including how views, both internal and external, and images of nature in the Design support the Authority's intention to help speed healing and recovery time;

(6) Direct Natural Light and Borrowed Light;

(7) Lighting strategies including controls;

(8) Floor plate flexibility; and

(9) Accessibility for Persons with Disabilities.

(B) Logistics and Support Services (including clean and dirty material and equipment flows);

(C) Facility operations and maintainability;

(D) LEED Gold Certification, including energy efficiency/sustainability and the relevant LEED project checklist and points;

(E) Material and colour selections;

(F) Artwork;

(G) Life cycle report demonstrating how the selection of the Building Systems has optimized upfront costs against the maintenance requirements and life cycle costs over the life of the Facility;

(H) Developed maintenance strategy including descriptions for optimizing the life cycle costs of Building Systems;

(I) Wayfinding and Site connections;

(J) Spare capacity and Future Flexibility;

(K) Functionality of the sustainability and energy savings features;

(L) The Facility Threat and Risk Assessment Report; and

(M) Clearly identifying sections for:

(1) Architectural design;

(2) Site development and landscaping;

(3) Structural design;

(4) Mechanical design;

(5) Electrical design;

(6) Integrated automation systems design;

(7) Communications systems design;

(8) Electronic safety and security systems design; and

(9) Sustainable design.

(c) Each Submittal package will include a set of design and construction documents that is fully coordinated across all disciplines.

(d) The Design-Builder will only issue Drawings and Specifications for Construction purposes based on reviewed design and construction documents as described in Schedule 2 [Review Procedure].

(e) Appendix 2A does not limit the Design-Builder's obligation to comply with any requirements set out in Schedule 2 [Review Procedure] and this Schedule in relation to the stages and requirements for Design.

(f) Refer to the corresponding sections and tables within this Appendix 2A for minimum list of Design and Construction Submittal documents to be submitted at each stage.

(g) The Design-Builder will make Submittals to the Authority for review, of the following, at appropriate times during Construction:

(i) Shop drawings;

(ii) Samples;

(iii) Studies;

(iv) Reports;

(v) Certificates; and

(vi) Requested calculations as indicated in the applicable requirements of this Schedule.

(h) Management Plans

(i) Within 30 days of the Effective Date, the Design-Builder will submit to the Authority for review the following Management Plans:

(A) Design Management Plan, including:

(1) Design process

(2) Design responsibility matrix;

(3) Communication and documentation process;

(4) Authority engagement and user consultation;

(5) Design quality control and reporting procedures;

(6) How the Design will adapt to emerging technologies; and

(7) Construction issues and Design change management.

(B) Phasing Plan, including:

(1) Site access, egress and construction staging areas;

(2) Coordination details for adjacent construction Site activities and the work required for future connections;

(3) Site prep, earthworks, soils remediation and roadworks;

(4) Overall Construction methodology and general approach;

(5) Management of technology integration;

(6) Constraints, risks and mitigation strategies;

(7) Communication plan regarding the impact to the neighbourhood and municipality;

(8) Safety, including a Health and Safety Plan; and

(9) Management of shipping, handling, and storage of Construction materials in accordance with CSA Z317.13 Infection Control During Construction, Renovation and Maintenance of Health Care Facilities, including a description of how the infection control measures will be monitored during Construction.

(C) Demolition Plan;

(D) Waste Management Plan;

(E) Soils Remediation Plan;

(F) Quality Management Plan;

(G) BIM Execution Plan in accordance with Section 1.2(b) of this Appendix;

(H) Transportation Assessment and Management Study (TAMS);

(I) Community Benefits Plan; and

(J) Tree Management Plan.

(i) Non-Conformances:

(i) The Design-Builder will provide a list of non-conformances with each progress Submittal;

(ii) Acceptance of any non-conformances is at the Authority's sole discretion; and

(iii) Review and acceptance by the Authority will not be deemed as acceptance of any non-conformance; acceptance by the Authority will be in writing only.

(j) The Design-Builder will provide operations and maintenance manuals which, at a minimum, contain the following for each system:

(i) Narratives and simple diagrams for standard operating procedures and maintenance procedures;

(ii) Set of final reviewed shop drawings;

(iii) A copy of all Record Drawings;

(iv) Bill of materials list for each system;

(v) Manufacturer warranty documents for equipment and workmanship;

(vi) Manufacturer certification and test result printouts:

(A) Names, addresses, phone numbers and facsimile numbers of the Design-Builder, Design-Builder's Subcontractors and suppliers used on the Work together with a specification reference of the portion of the Work they undertook.

(B) See Section 45 of the Agreement for the format of the Maintenance Manual Submittals.

(vii) Soft copy of the Maintenance Manual in portable document format (PDF) format on a separate USB flash drive.

(k) The Design-Builder will deliver electronic versions of each Design and Construction Submittal (Drawings, Specifications, reports, etc.) on a USB device of each document.

(l) The Design-Builder will deliver individual PDF sheets and compiled PDFs of all drawing Submittals by discipline.

(m) Should the Authority deem Submittals to be incomplete; the cost of resubmission in accordance with Schedule 2 [Review Procedure] will be the responsibility of the Design-Builder.

(n) All Drawings and Specifications will be submitted in an orderly sequence and in accordance with the Time Schedule. Drawing packages for the different stages as indicated in this Appendix 2A will be submitted in accordance with the Submittal Schedule as reviewed and approved by the Authority.

(o) Provide a 3-D animated model illustrating context, massing and architectural features, including wall colours for each Component and feature wall. Provide a recorded virtual model walk-through of the Facility as it stands at Issued for Construction status, including, but not limited to, the following areas:

(i) Main Entrance and associated waiting areas;

(ii) Reception, Triage Rooms;

(iii) Gift Shop;

(iv) Emergency Department (Corridors/Waiting areas, Care Team Station/Workstations, Typical Exam/Treatment Rooms/Bays (incl Procedure, Gyne, Streaming, Bariatric, AIR, Safe, etc), Observation Rooms, Decontam Room, Resus Room, Secure /Interview Room, Medication/Utility/HSKP Rooms, Typical Staff Office and Lounge, EOC Room, etc.);

(v) Medical-Surgical Inpatient Unit (Corridors/Waiting areas, Care Team Station/Workstations, Typical In-Patient Rooms (standard/shared/bariatric), Medication/Utility/HSKP Rooms, Tub Room, Typical Staff Office and Lounge, Rehab Room, etc.);

(vi) Maternity Services Unit (Corridors/Waiting areas, Care Team Station/Workstations, Typical In-Patient Rooms (standard/bariatric/nursery), Medication/Utility/HSKP Rooms, Exam/Triage Rooms, Typical Staff Office and Lounge, etc.); and

(vii) Pharmacy (Waiting/Counselling Room, Reception/Workstation/Compounding Room, Order Entry/Dispensing Area, Receiving/Breakout Rooms, CS/HD Storage, IV Prep, Chemo/IV Sterile Rooms and associated Ante Rooms, Staff Office/Lounge Room, etc).

1.2 Drawings, Models, and Visualization

(a) Project Collaboration Software

(i) The Design-Builder will coordinate Design and Construction documentation with the Authority via a cloud-based document control software. The document control software will be determined in consultation with the Authority.

(b) Building Information Modeling Software Requirements

(i) The Design-Builder will undertake and provide the following:

(A) Design and utilize a fully integrated, three-dimensional, real-time dynamic building information modeling ("BIM") capable software solution.

(B) Ensure virtual coordination technologies will facilitate low-cost and scalable cloud-computing software and software plugins to access, share and coordinate with the BIM model without requiring the Authority to utilize proprietary design software.

(C) Lead and manage the BIM process through the implementation stage of the Project and development of the BIM Execution Plan. The BIM process is required to provide valuable information at the end of the implementation stage of the Project.

(D) Provide a BIM Execution Plan including:

(1) Approach to ensure field validation of the BIM model;

(2) Handover requirements for the Authority's Work Management System;

(3) Requirements of the data collection and exchange environment;

(4) Data Geometry and Specification (DGS):

a) The process for identifying critical Asset, components and the attribute requirements for Asset types;

b) Rationalizing Asset attribute requirements to avoid duplication;

c) Confirming related attribute information links. For example, capture design life for Assets and components that require an install date; and

d) Integrating the hierarchical relationships and Asset locations.

(E) The submission schedule for BIM deliverables will be determined in consultation with the Authority in accordance with Schedule 2 [Review Procedure].

(F) Fabrication files used will be defined by the Design-Builder. The Design-Builder will employ a software agnostic, cloud-based virtual coordination tool, such as Revizto, to allow all parties to collaborate and coordinate. This tool will assist with the tracking and management of Authority comments and revisions during the process described in Schedule 2 [Review Procedure].

(G) Provide three-dimensional, photo-realistic colour exterior renderings, including:

(1) All Facility elevations;

(2) Emergency Department entrance to the Facility, as viewed from the arrival points along Johnson Street and 6th Avenue;

(3) Emergency Department entrance, including the Waiting Area-General, Passenger Elevators and Workstation-Registration;

(4) Emergency Department Entrance Vestibule-Walk-in from the Patients' arrival area;

(5) Emergency Department entry and Triage;

(6) A typical Patient Room in each of the following components:

a) Medical/Surgical Inpatient Unit; and

b) Maternity Services Unit.

(H) All three-dimensional photo realistic renderings will be updated as the Design progresses and provided at each of the design and construction documents stages as indicated in this Section. The Design-Builder will consult with the Authority regarding quantity of three-dimensional photo realistic renderings required at each stage.

(I) All Drawings will be in metric (millimetre) and prepared in accordance with Good Industry Practice.

(J) All Drawings will be to 1:100 scale unless otherwise specified.

(K) Site context plan will be to 1:500 scale.

(L) Site Mapping Workflow – 360° cameras with cloud software platform

(1) The Design-Builder will utilize 360° camera technology and cloud software to map, manage and organize real world construction conditions for all rooms in a coordinated strategy throughout each stage of the Project to facilitate improved coordination with all stakeholders.

(2) The Design-Builder will provide cloud software licensing (Holobuilder or approved equal) to store and organize 360° photos on a common set of construction PDF drawing backgrounds for sharing with Authority stakeholders.

(3) Cloud software will provide a smartphone app that can be used to synchronize 360° camera photographs within floor plan locations in an off-line mode for Construction walkthroughs.

(4) Standard photos and metadata will be embedded within the 360° photos within the cloud software program to provide additional resolution and information to document installation progress and details.

(5) The following photographs will be provided to document the progressive activity of the Project:

a) Building Systems and equipment:

i) Foundations before concrete pours;

ii) Structural systems before enclosing;

iii) Mechanical, electrical and plumbing systems sequenced during Construction; and

iv) Rough-in images prior to enclosing behind walls, ceilings and floors.

b) Interior views

i) Still images demonstrating finish material installation techniques;

ii) Final finishes, including images of product labels if available; and

iii) Time (date or time period).

c) Construction milestones (pre-slab, post-slab, etc.);

d) Area progressions (exterior, interior);

e) Systems (mechanical, electrical, plumbing, technology systems etc.); and

f) In addition to still images - videos, PDFs and test reports can be embedded to demonstrate the Construction progression and record documentation.

(c) Specifications

(i) Submit Specifications as electronic copies in PDF and Word format.

(ii) Specifications for all disciplines will be organized according to CSI/CSC Master Format using CSC full-page Section Format/Page Format.

(iii) The Design-Builder will provide Specifications for all disciplines progressively with sufficient information to enable the Authority to verify the compliance with the requirements of this Schedule and the Agreement and to accurately construct the Facility as intended.

(iv) Use proprietary Specifications where proprietary products are known:

(A) Research sufficient additional materials to provide a range of acceptable products that will match the performance requirements specified.

(B) When a single source product, type and model are listed within the specification, it will include a full technical specification that lists critical technical characteristics deemed necessary to permit a review to assess compliance of any potential substitution.

(C) Shop drawings and product data sheets are not considered as specifications for the progress Submittals.

(d) Shop Drawing Requirements

(i) Shop drawings means drawings, diagrams, illustration, samples, schedules, performance charts, literature, brochures, and other data that will be provided by the Design-Builder to illustrate details of a portion of the Design and Construction.

(ii) The purpose of shop drawing Submittals will demonstrate Design-Builder's understanding of the Design intent. This understanding is demonstrated by

articulating which equipment and material is required, and by what methods of fabrication and installation will be utilized.

(iii) The Submittals will be reviewed for general compliance with the Agreement and not for dimensions, quantities, etc. The Submittals that are returned will be used for procurement. The responsibility of correct procurement remains solely with Design-Builder. The Submittal review will not relieve Design-Builder of responsibility for errors or omissions and deviations from the requirements of this Agreement.

(iv) Equipment and material substitutions are prohibited. If the Submittal shows variations from the requirements of this Agreement for any reason, the Design-Builder will provide written detail of each variation in the letter of transmittal.

(v) Submit fully detailed shop drawings, indicating materials, methods of Construction and attachment or anchorage, erection diagrams, connections, explanatory notes, required backing or accessories including those to be provided by others, colour charts for selecting colour where applicable, design calculations, and other pertinent information necessary to complete the Design and Construction. Where items attach to other items, or to waterproof membranes, indicate that such items have been coordinated, regardless of the section under which such adjacent items are supplied and installed. Indicate cross references to the requirements of this Agreement.

(vi) Shop drawings will be in metric units (measurements and dimensions).

(vii) Shop drawings will include a documented review by the Design-Builder's Consultant indicated by a reviewed stamp prior to submission to the Authority.

(viii) Review of shop drawings by the Authority is for the sole purpose of ascertaining general conformance with the Agreement. The Authority's review does not constitute approval of detail design inherent in shop drawings, the responsibility for which remains with Design-Builder. Such review does not relieve responsibility for meeting requirements of this Agreement, unless the Authority has accepted a deviation in writing.

(ix) Shop drawings and product data sheets will indicate operating characteristics for each required item and design conditions.

(x) Before installation of any cable, structured cabling component, pathway, firestop assembly or related material, equipment or hardware, the Design-Builder will submit shop drawings and product data sheets for each component supplied to the Authority for review and approval.

(xi) Shop drawings for all system and sub-system devices referenced within Integrated Automation (Division 25) systems will be provided with a BACnet (PICS) Protocol Implementation Conformance Statement.

(xii) Shop drawings will be submitted in electronic PDF format or provide software to enable viewing of files of the other formats at no additional cost to the Authority.

(xiii) Submit shop drawings that the Authority would customarily receive, or expect to receive, for a healthcare facility similar to the Facility in accordance with Good Industry Practice, including:

(A) Cast-in-Place Concrete;

(B) Concrete Topping;

(C) Clay Unit Masonry Assemblies;

(D) Concrete Unit Masonry;

(E) Structural Steel;

(F) Steel Decking;

(G) Load Bearing Steel Studs (Metal Support Assemblies);

(H) Metal Fabrications;

(I) Glazed Detention and Windscreen Enclosures;

(J) Rough Carpentry;

(K) Finish Carpentry;

(L) Architectural Woodwork;

(M) Below Grade Sheet Waterproofing;

(N) Cold Fluid Applied Waterproofing;

(O) Crystalline Waterproofing;

(P) Foamed in Place Polyurethane Insulation;

(Q) Weather Barriers;

(R) Metal Wall Panels;

(S) Composite Wall Panels;

(T) Wood Siding;

(U) Mineral Fibre Reinforced Composite Panels;

(V) SBS Membrane Roofing;

(W) Standing Seam Metal Roofing;

(X) Sheet Metal Flashing and Trim;

(Y) Applied Fireproofing;

(Z) Firestopping and Smoke Seals;

(AA) Metal Doors and Frames;

(BB) Wood Doors;

(CC) Access Doors and Panels;

(DD) Coiling Doors and Grilles;

(EE) Sound Control Door Assemblies;

(FF) Folding Security Grilles;

(GG) Aluminum Framed Entrances and Storefronts;

(HH) Automatic Entrances;

(II) Glazed Aluminum Curtain Walls;

(JJ) Metal Framed Skylights;

(KK) Door Hardware;

(LL) Access Control Hardware;

(MM) Glass and Glazing;

(NN) Louvres and Vents;

(OO) Acoustical Ceilings;

(PP) Visual Display Surfaces;

(QQ) Signage;

(RR) Water closet Compartments;

(SS) Cubicle Curtain and Track;

(TT) Wall and Door Protection;

(UU) Water closet and Bath Accessories;

(VV) Fire Protection Specialties;

(WW) Metal Lockers;

(XX) Exterior Sun Control Devices;

(YY) Fall Arrest equipment;

(ZZ) Food Services equipment;

(AAA) Artwork Supports;

(BBB) Window Coverings;

(CCC) Countertops;

(DDD) Entrance Floor Grilles;

(EEE) Furniture;

(FFF) Site Furnishings;

(GGG) Manufactured Planters;

(HHH) Elevators;

(III) Motors Starters and Wiring;

(JJJ) Adjustable Frequency Drives;

(KKK) Controls System Components (BMS);

(LLL) Flex Connections, Expansion Joints, Anchors and Guides;

(MMM) Flow and Energy Meters;

(NNN) Indicating Gauges;

(OOO) Valves;

(PPP) Check Valves;

(QQQ) Balancing Valves (All Systems);

(RRR) Pressure Reducing Valves/Stations (All Systems);

(SSS) Backflow Prevention Devices;

(TTT) Hangers and Supports;

(UUU) Vibration and Seismic Controls;

(VVV) Seismic Restraint Systems;

(WWW) Identification and Labelling (All Systems);

(XXX) Equipment Insulation;

(YYY) Piping Insulation;

(ZZZ) Ductwork Insulations;

(AAAA) Acoustic Liners;

(BBBB) Air Distribution Systems Silencers;

(CCCC) Ductwork (All Systems);

(DDDD) Manual Air Dampers;

(EEEE) Motorized Air Dampers;

(FFFF) Backdraft Dampers;

(GGGG) Start-Up and Performance Testing Reporting;

(HHHH) Fire Protection Standpipe System;

(IIII) Wet Pipe Sprinkler System;

(JJJJ) Dry Pipe Sprinkler System;

(KKKK) Pre-action Sprinkler System;

(LLLL) Packaged Fire Pump(s);

(MMMM) Clean Agent Systems;

(NNNN) Plumbing Pumps;

(OOOO) Incoming City Water Filtration System;

(PPPP) Domestic Water Piping Fittings, Joint Methods;

(QQQQ) Domestic Water Heaters /Generators;

(RRRR) RO Systems

(SSSS) Underground Tanks;

(TTTT) Plumbing Specialties;

(UUUU) Plumbing Fixtures and Trim; ;

(VVVV) Grease Interceptors;

(WWWW) Oil Interceptors;

(XXXX) Medical Gas Systems;

(YYYY) Technical/Service Gases Systems (All Systems Other Than Natural Gas and Medical Gas Systems);

(ZZZZ) Facility Fuel Oil Piping;

(AAAAA) Natural Gas Systems;

(BBBBB) Oil Storage Tanks;

(CCCCC) Fuel Oil Pumps;

(DDDDD) Fuel Filtration Systems;

(EEEEE) Fuel Oil Polishing System;

(FFFFF) Fuel Management System;

(GGGGG) Water Specialties-Heating and Cooling;

(HHHHH) Steel Pipe and Fittings – Heating and Cooling;

(IIIII) Piping and Fittings Systems (For All Systems);

(JJJJJ) All Piping Joint Methods for All Piping Associated Systems,

(KKKKK) Pumps – All Systems;

(LLLLL) Hydronic Closed Loops Chemical Treatment Systems;

(MMMMM) Condenser Water Open Loop Filtration and Chemical Treatment Systems;

(NNNNN) Fans;

(OOOOO) Terminal Boxes/VAVs;

(PPPPP) Fan Coil Units;

(QQQQQ) Fan Filtered HEPA Filtration Units;

(RRRRR) Air Filters (All Types of Filtration Other Than Specifically Listed Here);

(SSSSS) Isolation Rooms Contaminated Exhaust Filtration Units;

(TTTTT) Grilles, Registers and Diffusers;

(UUUUU) Louvers;

(VVVVV) Fabricated Breeching and Accessories;

(WWWWW) Fabricated Stacks;

(XXXXX) Insulated Sectional Chimneys;

(YYYYY) Packaged Hot Water Boiler - Condensing;

(ZZZZZ) Packaged Boiler – Fire Tube;

(AAAAAA) Steam Boilers/Generators;

(BBBBBB) Humidifiers;

(CCCCCC) Condensate Receiving System(S);

(DDDDDD) Steam Specialties;

(EEEEEE) Steel Pipe and Fittings – Steam and Condensate;

(FFFFFF) Heat Exchangers;

(GGGGGG) Expansion Tanks (All Systems);

(HHHHHH) Refrigeration Piping;

(IIIIII) Refrigerant Detection System;

(JJJJJJ) AC Chillers;

(KKKKKK) Heat Recovery Chillers;

(LLLLLL) Cooling Towers;

(MMMMMM) Cooling Towers – Automatic Blown-Down TDS System;

(NNNNNN) Air Handling Units;

(OOOOOO) Ducted and Ductless Split Air Conditioners;

(PPPPPP) Hydronic Coils (All Systems);

(QQQQQQ) Electric Reheat Coils;

(RRRRRR) Heat Tracing;

(SSSSSS) Unit Heaters;

(TTTTTT) Forced Flow Heaters;

(UUUUUU) Radiant Slab Systems;

(VVVVVV) EMC General Requirements;

(WWWWWW) FMO Network Components and Infrastructure;

(XXXXXX) Integrated Building Management Platform;

(YYYYYY) Switchgear;

(ZZZZZZ) CDPs;

(AAAAAAA) Panelboards;

(BBBBBBB) SPDs;

(CCCCCCC) Generators (Complete System, including Silencers, Day Tanks, Pumps);

(DDDDDDD) Load Banks;

(EEEEEEE) Paralleling Control and Load Management Systems;

(FFFFFFF) Transfer Switches;

(GGGGGGG) UPS;

(HHHHHHH) Transformers;

(IIIIIII) Isolated Power Systems;

(JJJJJJJ) Power Factor and Harmonic Correction Equipment;

(KKKKKKK) Firestop Details;

(LLLLLLL) Maintenance Holes;

(MMMMMMM) Wiring Products and Raceways;

(NNNNNNN) Wiring Devices;

(OOOOOOO) Lightning Protection and Grounding Equipment;

(PPPPPPP) EVSE;

(QQQQQQQ) Luminaires;

(RRRRRRR) Lighting Control Systems and Devices;

(SSSSSSS) Clocks;

(TTTTTTT) Fire Alarm System and Devices;

(UUUUUUU) Fire Alarm Annunciator Graphic and CACF Layout;

(VVVVVVV) IM/IT Common Works;

(WWWWWWW) IM/IT Structured Cabling;

(XXXXXXX) IM/IT Wireless Network;

(YYYYYYY) IM/IT Data Network;

(ZZZZZZZ) IM/IT End-Use Equipment

(AAAAAAAA) Audio-Visual Systems;

(BBBBBBBB) Multimedia Rooms;

(CCCCCCCC) Clinical Operations Centre;

(DDDDDDDD) Guest Infotainment; and

(EEEEEEEE) Digital Signage.

(FFFFFFFF) IM/IT VoIP System;

(GGGGGGGG) Integration Engine;

(HHHHHHHH) Patient Physiological Monitoring System;

(IIIIIIII) Public Address System;

(JJJJJJJJ) Nurse Call Systems;

(KKKKKKKK) Distributed Antenna System (DAS);

(LLLLLLLL) Location Services (RTLS);

(MMMMMMMM) Access Control System;

(NNNNNNNN) Wireless Staff Duress System;

(OOOOOOOO) Fixed Duress System;

(PPPPPPPP) Intrusion Detection System;

(QQQQQQQQ) Intercommunications System;

(RRRRRRRR) IP Video Surveillance System;

(SSSSSSSS) Clinical Observation Camera System;

(TTTTTTTT) Infant Protection System;

(UUUUUUUU) Security Signage;

(VVVVVVVV) Patient Wandering System;

(WWWWWWWW) Chain Link Fences and Gates;

(XXXXXXXX) Irrigation;

(YYYYYYYY) Growing Medium Preparation;

(ZZZZZZZZ) Waterworks;

(AAAAAAAAA) Sanitary Sewers;

(BBBBBBBBB) Storm Sewers;

(CCCCCCCCC) Manholes and Catch Basins; and

(DDDDDDDDD) Shoring and reshoring plan in accordance with Schedule 1, Section 5.9.5.1(8).

(e) Samples

(i) Submit physical samples of all interior and exterior finished materials that the Authority would customarily receive, or expect to receive, for a healthcare facility similar to the Facility in accordance with Good Industry Practice.

(ii) Submit samples of each luminaire, illuminated sign, and lighting sensor/control device type for review by the Authority. Each approved sample will be retained on job Site until Substantial Completion.

(iii) Submit samples of each type of wiring and nurse call device type (complete with cover plates), re-penetrable firestop systems, and permanent labels/nameplates for review by the Authority. Each approved sample will be retained on job Site until Substantial Completion.

(iv) Luminaires, equipment and devices that do not match quality and workmanship of standard sample will be rejected.

(v) Provide a sample of each IP system device within the Integrated Automation (Division 25) system for potential 3rd party testing purposes.

(vi) Luminaires that do not match quality and workmanship of standard sample will be rejected.

(f) Record Drawings

(i) At a minimum, the Record Drawing package supplied by the Design-Builder will include:

(A) PDF (combined into a single document per system);

(B) Full size set of Record Drawings; and

(C) (3) USB flash drives of records.

1.3 Architectural Design and Construction Documents

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Drawing Content						
Title sheet, legends, drawing list, key plans and assembly listings	X	X	X	X	X	X
Site Plans, context Site Plan	X	X	X	X	X	X
Floor plans and roof plans	X	X	X	X	X	X
Reflected ceiling plans	X	X	X	X	X	X
Exterior elevations	X	X	X	X	X	X
Interior elevations	X	X	X	X	X	X
Building sections, transverse, longitudinal	X	X	X	X	X	X
Wall sections	-	X	X	X	X	X
Large Scale (1:50) Minimum Room Requirement Sheets	X	X	X	X	X	X
Plan and section details	-	X	X	X	X	X
Vertical Movement (Plans) –	X	X	X	X	X	X
Vertical Movement (Sections and Details)		X	X	X	X	X
Special elements, signage, etc.	-	X	X	X	X	X
Schedules, doors, windows, hardware, finishes, etc.	-	X	X	X	X	X
Millwork – (Plans)	X	X	X	X	X	X
Millwork – (Sections and Details)	-	X	X	X	X	X
Code Compliance Fire Separations (vertical and horizontal), Exiting Travel Distance Plans	X	X	X	X	X	X
Occupant loads, and exit width capacities	X	X	X	X	X	X
Specifications						
Table of Contents	-	X	X	X	X	X
General Requirements	-	X	X	X	X	X
Existing Conditions (if any)	-	X	X	X	X	X
Concrete	-	X	X	X	X	X
Masonry	-	X	X	X	X	X
Metals	-	X	X	X	X	X
Wood, Plastics and Composites	-	X	X	X	X	X
Thermal and Moisture Protection	-	X	X	X	X	X
Openings	-	X	X	X	X	X
Finishes	-	X	X	X	X	X
Specialties	-	X	X	X	X	X
Equipment	-	X	X	X	X	X
Furnishings	-	X	X	X	X	X
Conveying Equipment -Elevators	-	X	X	X	X	X
Other						
Design Brief	X	X	-	-	-	-
Code Compliance Report	X	X	X	X	X	X
Acoustic Report	X	X	X	X	X	-
Facility Threat and Risk Assessment Report	X	X	-	-	X	-
Colour Boards Master Colour Palette	X	X	X	X	X	-

(a) Schedule of Accommodations

(i) With each progressive Submittal, provide a comparison between Design-Builder's Design and Appendix 1A [Clinical Specifications and Functional Space Requirements] utilizing the Schedule of Accommodation format (in excel). Include the following:

(A) NSM for each room and the percentage variance rounded to the nearest whole number;

(B) Component gross areas expressed as totals for each component area; and

(C) Component gross area and building gross area expressed as totals for each floorplate and for the entire Facility.

(b) Plans, sections and elevations will contain the following:

(i) Floor elevations (geodetic, on floor plans, sections and elevations) complete with floor level changes, stairs and ramps;

(ii) Floor finishing tolerances, slopes for drainage, drain openings, etc. will be identified;

(iii) Gridlines and gridline dimensions;

(iv) Outlines of the exterior walls and partitions in relation to the structural framework complete with graphical representation of materials cross- referenced to partition types and dimensions;

(v) Clearly indicated functions of each building material component and Rain Screen Wall construction component (e.g., air barrier, vapour barrier, moisture barrier, acoustical barrier, security barrier, fire resistance, thermal resistance, etc.);

(vi) The location of doors and windows, and other openings complete with cross-references to door, window and hardware schedules;

(vii) The location of fixtures and equipment for washrooms, kitchens, conference rooms, equipment rooms, mechanical rooms, Electrical Rooms and Communications Rooms complete with cross-references to equipment schedules, notes and dimensions;

(viii) Clearly indicate access for Persons with Disabilities, path of travel, clearances complete with notes and dimensions;

(ix) Designate room name and number of interior spaces. Maintain the Authority room reference number as stated in the Appendix 1A [Clinical Specifications and Functional Space Requirements] Schedule of Accommodation. The Record Drawings will include final room numbering as set out in Section 5.7.11.4(8)(d) and as coordinated with and approved by the Authority;

(x) Graphically represent Construction and finish materials for walls and floors;

(xi) Illustrate built-in seating elements, Millwork, Modular Casework and equipment;

(xii) Graphically illustrate fire separation(s), areas of refuge, contained use areas, Outbreak Control Zones, acoustic separation(s), security separation(s), etc.; and

(xiii) Vertical movement plans, sections and details will contain clearly indicated rise and run, headroom clearances, landing elevations, vertical and horizontal dimensions, railing and guards complete with clearances for Persons with Disabilities, and notes.

(c) Equipment access and replacement route plans will clearly indicate access provisions and routes designed for the installation and replacement of equipment.

(d) Reflected ceiling plans will contain:

(i) Graphical representation of ceiling finishes, equipment (such as ceiling mounted ceiling lifts), luminaires complete with cross-reference to lighting, security, sprinkler, HVAC, fire alarm, and Ceiling Heights etc.;

(ii) Clearly indicated bulkheads complete with graphical representation of Construction and materials, notes, Ceiling Heights and dimensions; and

(iii) Clearly indicated graphical representation of systems and equipment interference for structural, mechanical, electrical, communications, safety and security, etc., complete with cross-reference notes and dimensions.

(e) Penthouse and roof plans will contain:

(i) The location of fixtures and equipment for mechanical, electrical, maintenance, etc. complete with notes and dimensions;

(ii) Clearly indicated roof penetrations for equipment, hatches, access paver paths, fall arrest anchors, antennae supports/ties, etc.; and

(iii) Graphically represent Construction and finish materials for roof.

(f) Exterior elevations will contain:

(i) The location of doors and windows, sidelights, and other openings;

(ii) Graphical representation of Construction and finish materials, including a legend and notations;

(iii) Scuppers, downs spouts or drainage systems, hose bibs and electrical outlet and exterior light locations; and

(iv) Landscape treatment proposed in relation to exterior and windows.

(g) Interior elevations will contain:

(i) The location (height) of doors, windows, and other openings; all wall-mounted equipment, mechanical, electrical, communications and safety and security, dimensions of vertical changes in materials or finishes and room numbers;

(ii) Graphical representation of Construction and finish materials including a legend and notations will be provided: and

(iii) Clearly indicate wall finishes, colour choices and details.

(h) Building sections will contain:

(i) Clearly indicated floor construction/assemblies, floor elevations, dimensions and finished ceiling elevations; and

(ii) Clearly indicated graphical representation of systems and equipment interference for structural, mechanical, electrical, communications, safety and security, etc., complete with cross-reference notes and dimensions.

(i) Wall sections (scale 1:20) will contain:

(i) Clearly indicated detail location tags and references to the floor plans; wall type notations; and critical dimensions; and

(ii) Clearly indicated graphical representation of systems and equipment interference for structural, mechanical, electrical, communications, safety and security, etc., complete with cross-reference notes and dimensions.

(j) Minimum Room Requirements will include, on one coordinated drawing sheet:

(i) The following spaces, including all rooms related to them as shown in the Schedule of Accommodations in Appendix 1A [Clinical Specifications and Functional Space Requirements]:

(A) Rooms and areas listed under the space descriptions / variants listed in Appendix 1C [Minimum Room Requirements];

(B) Other rooms and spaces as required by the Authority for the process described in Schedule 2 [Review Procedure];

(C) Mechanical Rooms;

(D) Electrical Rooms; and

(E) Communication Rooms.

(ii) 1:50 scale plans of rooms with dimensions, including interior elevations and reflected ceiling plans, with all relevant Furniture, Clinical Systems Furniture, and equipment shown and including structural, mechanical, electrical , communications, safety, security, and clearance and service requirements.

(iii) Architectural requirements to include interior finishes, doors, Millwork, wall protection, door protection, room accessories and window coverings;

(iv) Mechanical requirements to include HVAC type, plumbing fixtures, room controls, ventilation diffusers, sprinkler system and medical gases;

(v) Electrical requirements to include power, lighting, and lighting controls;

(vi) Communications requirements to include systems and device locations; and

(vii) Safety and security requirements to include risk category, systems and device locations.

(k) Millwork plans, sections and details will include:

(i) Millwork layout, section elevations, and details complete with material choices, notes and dimensions.

(l) Special elements, Furniture, Clinical Systems Furniture, Systems Furniture and signage will include:

(i) Detailed graphical representations of the above noted items in relation to exterior and interior walls, structural framework, material connections and interrelationships complete with cross-reference to schedules, notes, materials, and dimensions;

(ii) Detailed location of fixtures and equipment for communications, safety and security complete with cross-reference to equipment schedules, notes and dimensions; and

(iii) Base-building elements will be graphically distinct from special elements.

(m) Schedules (doors, door hardware, windows, room finishes, Furniture, Clinical Systems Furniture, Systems Furniture, signage, etc.) will include:

(i) Clearly indicated material, size, fire / thermal / acoustic / security resistance rating, colour, texture, pattern, etc.; and

(ii) Schedules maybe graphical and/or tabular in drawing or specification format.

(n) Not Used.

(o) Acoustic and Vibration Submittals

(i) The Design-Builder will demonstrate compliance with the Agreement, Authority design reviews and input by the Acoustic and Vibration Consultant with the submission of an Acoustic Report at each Phase.

(ii) The 30% Phase Submittal will include at minimum:

(A) Site noise and vibration;

(B) Not Used.

(C) Assessment of vibration in occupied and vibration sensitive spaces due to footfalls and environmental sources to assess compliance with vibration limits as required for specialty equipment (including any requirements for supplemental isolation systems) and the vibration limits set out in Schedule 1 Section 5.9.8; and

(D) Minimum STC ratings of demising walls and floor/ceiling assemblies.

(iii) The 50% Phase Acoustic Report Submittal will include at minimum:

(A) Envelope sound isolation;

(B) Partitions assemblies; and

(C) Minimum STC ratings of demising walls and floor/ceiling assemblies.

(iv) The 70% and 90% Phase Acoustic Report Submittal will include at minimum:

(A) Minimum STC ratings of demising walls and floor/ceiling assemblies;

(B) Environmental noise; and

(C) Mechanical noise.

(v) The 100% and Record Drawing Submittals will include, at minimum:

(A) Minimum STC ratings of demising walls and floor/ceiling assemblies;

(B) ASTC compliance testing in early phase of partition installation;

(C) Follow-up ASTC compliance testing, as required;

(D) Background noise compliance testing after HVAC system balancing;

(E) Room acoustic compliance testing after finishes are installed; and

(F) Confidential sound isolation compliance testing after confidential spaces are complete.

(vi) Construction and Occupancy Phase Submittals:

(A) A test plan of the pre-Construction noise and vibration survey of the Existing Hospital's facilities. See Schedule 1 Section 2.9.4.2(2);

(B) A report providing the results and recommendations of the pre-Construction noise and vibration survey of the Existing Hospital's facilities at least 3 months before the start of any construction or demolition work. See Schedule 1, Section 2.9.4.2(6);

(C) A construction noise and vibration management plan must be provided at least 3 months before construction begins. See Schedule 1, Section 2.9.4.3;

(D) Weekly noise and vibration monitoring reports. See Schedule 1, Section 2.9.4.4(16) and other communications as required in Section 2.9.4.4;

(E) Test plan for sound isolation performance verification testing;

(F) Sound isolation test report. The Authority may require additional reports in the event of test failures;

(G) Test plan for post-construction HVAC noise testing;

(H) Post-construction HVAC noise measurement test report. The Authority may require additional reports in the event of test failures;

(I) Test plan for room acoustic performance verification tests;

(J) Test report for room acoustic performance verification measurements. The Authority may require additional reports in the event of test failures;

(K) Test plan for post-construction environmental noise measurements;

(L) Post-construction environmental noise measurement report. The Authority may require additional reports in the event of failures; and

(M) Report summarizing in-situ measurement verification of floor vibration characteristics for all spaces where required by vibration sensitive equipment manufacturers.

(p) Building Code Submittals

(i) Code compliance report will contain the following:

(A) BCBC Data Matrix including design considerations; and

(B) Fire and Life Safety Data Summary (may be illustrated graphically).

(ii) When applicable, Alternative Solutions will contain:

(A) All information required by Authorities Having Jurisdiction;

(B) Any operational impacts of the Alternative Solution; and

(C) Any operations and maintenance impacts of the Alternative Solution.

(q) Infection Prevention and Control Plan

(i) The template Infection Control Work Plan found in Appendix 2 of the Authority's guideline IX0900 Infection Control During Construction, Renovation and Maintenance in Health Care Facilities forms part of this Schedule and will be completed by the Design-Builder or otherwise amended in accordance with the procedure set out in the Agreement and in Schedule 2 [Review Procedure].

(ii) Objectives

(A) Refer to IX0900 Infection Control During Construction, Renovation and Maintenance in Health Care Facilities for the objectives of the Infection Control Work Plan.

(r) Facility Threat and Risk Assessment

(i) The Design-Builder will, by the date specified in the Submittal requirements, deliver to the Authority a comprehensive threat and risk assessment report for the Facility ("Facility Threat and Risk Assessment") identifying specific risks and vulnerabilities to people, property and the Authority associated with the Facility and the surrounding community, and describing how the Design will mitigate these risks and vulnerabilities, including with reference to post-disaster management and security.

(ii) The Facility Threat and Risk Assessment will be based on the preliminary facility threat and risk assessment included in the Proposal Extracts.

(iii) The Authority may provide comments on the Facility Threat and Risk Assessment within 15 Business Days of receiving it.

(iv) The Design-Builder will, acting reasonably, take account of the Authority's comments in finalizing the Facility Threat and Risk Assessment and deliver to the Authority a copy of the final Facility Threat and Risk Assessment within 15 Business Days of receiving the Authority's comments.

(v) The Design-Builder will implement the risk mitigation strategies described in the Facility Threat and Risk Assessment in developing the Design.

(s) Operations and Maintenance Manuals

(i) The Design-Builder will provide operations and maintenance manuals as set out in Section 1.1(j) of this Appendix.

(t) Shop Drawings

(i) The Design-Builder will provide shop drawings in accordance with Section 1.2(d).

1.4 Civil Construction Design and Construction Documents

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Drawing Content						
On-Site Drawings Title sheet, typical sections and details used on this Project	X	X	X	X	X	X
Existing Conditions	X	X	X	X	X	-
Erosion and Sediment Control	X	X	X	X	X	-
Temporary Service during Construction	X	X	X	X	X	-
Site Coordination Layout, turning templates for emergency and service vehicles	X	X	X	X	X	-
Storm Water Drainage Plan	X	X	X	X	X	X

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Grading, Site servicing, roads, parking lot(s),	X	X	X	X	X	X
Hardscape and streetlights	X	X	X	X	X	X
Utilities Plan and profile	X	X	X	X	X	X
Retaining Walls Plan and Profile	X	X	X	X	X	X
Sections and details	X	X	X	X	X	X
Pavement Marking and Signage Plans	X	X	X	X	X	X
Hydrogeological Study		X		X	X	X
Constructing phasing	X	X	X	X	X	-
Rainwater Management Plan	X	X	X	X	X	-
Sanitary and Water Analysis Design Brief	X	X	X	X	X	-
Off-Site Drawings						
Deep and Shallow Utilities Plan and profile	X	X	X	X	X	X
Right-of-way Plans	X	X	X	X	X	
Storm Water Drainage Plan	X	X	X	X	X	X
Specifications						
Civil Specifications	-	-	-	X	X	-
Design Memos						
Storm Management Plan		X	X	X	X	
Sanitary Holding Tank Design Memo		X	X	X	X	
Phasing of Parking Plan		X	X	X	X	

(a) Plans, sections and elevations will contain the following:

(i) Provide diagrams describing:

(A) How general traffic works during Construction; and

(B) How parking stall allocation works during Construction.

(ii) Existing Site conditions;

(iii) Erosion and sediment control plans;

(iv) Storm sewer drainage profiles and plans;

(v) Sanitary sewer profiles and plans;

(vi) Water main profiles and plans;

(vii) Third-party Utilities plans;

(viii) Site coordination layouts, including turning movements for emergency and service vehicles;

(ix) Site grading and roadworks plans;

(x) Retaining wall profiles and plans;

(xi) Pavement marking and signage plans;

(xii) Water analysis design brief identifying the demands of the Site and the impact on the surrounding network;

(xiii) Sanitary analysis design brief identifying the demands of the Site and the impact on the surrounding network;

(xiv) Construction phasing plans;

(xv) Rainwater management plan;

(xvi) Developed off-site drawings:

(A) Storm sewer drainage profiles and plans;

(B) Green infrastructure plans and details;

(C) Sanitary sewer profiles and plans;

(D) Water main profiles and plans;

(E) Third-party Utilities plans; and

(F) Right-of-way plans.

(b) Existing conditions drawing will contain all pertinent topographic information, contours at appropriate interval with spot elevations in clear legible format, all underground Utilities including inverts and depths, size and type, borehole and test pit locations and elevations, existing and new survey monuments.

(c) Erosion and sediment control drawings will contain existing topographic information, contours at appropriate intervals with spot elevations, calculations for sizing of erosion and sediment control facilities, design and layout of each such facility, stormwater discharge connection and location, quality measurement point and details of erosion and sediment control facilities.

(d) Site coordination and layout drawing will contain:

(i) Horizontal and vertical control, the principal Site elements to be constructed, survey monuments and/or nearby buildings or structures that may be used to show the relative location of the proposed structure of Work, sufficient dimensions or coordinates that the exact location of proposed Work is clearly identified, Construction lay down area, relative locations of all below and above ground Utilities (e.g., electrical, water main, sanitary sewer, storm sewer, etc.), Site removals; and

(ii) Demonstrated vehicle and pedestrian movements for all types of expected traffic to and from the Facility.

(e) Grading plan will contain the footprint and finished floor elevation of the Facility, proposed grades with existing contours/grades provided in background in light font, drainage

structures numbered, typical sections, dimensions and proposed Site development features, including pavement/curb, sidewalk type, and streetlight locations.

(f) Deep and shallow Utilities plan and profile will contain horizontal location and vertical depths of new, existing, and temporary services; Utilities; manholes; drainage structures; valves; roof leader tie in points; location of foundation drainage (if required); structure data table; pipe load and capacities per BCBC.

(g) Site servicing plan will include a phasing plan for water main flushing, pressure testing and disinfecting the services to the Facility. Plan will be submitted and reviewed by the Authority Having Jurisdiction for approval.

(h) Storm water management plan will contain catchment areas, existing storm sewer system, flow direction, calculations for pre-development and post-development flows, detention calculations, and best management practices.

(i) Rainwater Management

(i) Design-Builder will submit a Rainwater Management Plan for each Development Permit application, which will be required to include:

(A) An overview of how the Site intends to meet the City's storm sewer volume reduction, water quality and release rate criteria, for both pre- and post-Site conditions, a summary of the rainwater management approach being taken, calculations and assumptions to support any figures provided;

(B) A plan that shows the surface types and identifies the rainwater management method that will be used in each area. The plan will indicate any rainwater routing into proposed practices, show the extents of underground parking and the location of any proposed practices. If landscaping will be used to capture any runoff, then area and depth of landscaping must be provided;

(C) A Site Servicing and Grading plan which shows the locations of all proposed rainwater management practices or devices with service connections to the municipal network and surface grading and drainage patterns;

(D) An Infiltration Report which supports any proposal for infiltration on Site, prepared by a qualified professional. Any proposed infiltration practices must be designed based on Site-specific conditions, including pollutant loading, groundwater elevation/contamination, infiltration rates, etc.;

(E) Detailed drawings for any proposed system or device being employed which include tank and orifice specifications, raingarden, swale or tree trench design drawings. Typical detail for each green infrastructure practice will include inflow locations, flow dissipation, safe overflows, and sub-drains;

(F) Proprietary information for any proposed water quality treatment device, demonstrating that it meets either the Washington State Department of

Ecology's Technology Assessment Protocol (TAPE) or ISO 14034 ETV certification. If the device is being used as a primary treatment tool for high pollutant surfaces, then it will have the 'basic treatment' certification for 80% TSS removal, otherwise lower performing devices can be used for pre-treatment or as part of a treatment train. The Design-Builder may propose other technologies but will provide supporting information that shows the technology meets the Standards; and

(G) Operation & Maintenance (O&M) Manual for all rainwater systems will be employed on Site and off Site. O&M Manual will describe the level of effort and frequency of tasks required to maintain optimal performance for each individual component of the system.

(j) Offsite drawings will include all drawings and details required by the City to secure a works and services agreement for the offsite works.

(k) Groundwater Management

(i) The Design-Builder will submit a Hydrogeological Study if groundwater is determined to be an issue for the Facility based on the outcome of geotechnical investigations and groundwater monitoring carried out by the Design-Builder.

(A) Not Used

(B) Not Used

(l) Operations and Maintenance Manuals

(i) The Design-Builder will provide operations and maintenance manuals as set out in Section 1.1(j).

(m) Shop Drawings

(i) The Design-Builder will provide shop drawings in accordance with Section 1.2(d).

1.5 Structural Design and Construction Documents

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Drawing Content						
Title Sheet, General Notes	X	X	X	X	X	X
Typical Details	-	X	X	X	X	X
Slab, Column, Beam, Wall Schedules	X	X	X	X	X	X
Foundation Plans	X	X	X	X	X	X
Floor and Roof Framing Plans	X	X	X	X	X	X
Sections and Details	-	X	X	X	X	X
Wall and Bracing Elevations	-	X	X	X	X	X
Wall Sections	-	X	X	X	X	X
Specifications						
Concrete (Division 03)	X	X	X	X	X	-
Masonry (Division 04)	X	X	X	X	X	-

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Metals (Division 05)	X	X	X	X	X	-
Wood (Division 06)	X	X	X	X	X	-
Earthwork and Piling (Division 31)	X	X	X	X	X	-
Reports						
Basis of Design report	X	X				-
Concept review letter as per Schedule 1, Section 5.9.1.3	-	-	-	-	-	X
Snow Study Report as per Schedule 1, Section 5.9.1.7	-	X	-	-	-	-
Analysis results and design reports	Upon request					-

(a) Title Sheet, General Notes, will contain:

(i) General description of the structure, its main components, gravity load resisting and lateral load resisting systems;

(ii) Codes and Standards, with dates of issue, to which the Design conforms;

(iii) Description of the lateral load resisting system will indicate values of Rd (ductility factor) and Ro (over strength factor) used in the Design;

(iv) Importance factors used in the Design;

(v) Design criteria indicating vertical design loads including dead and superimposed dead loads; occupancy live loads; snow loads (including snow drift diagrams or keyplans); wind uplift loads; mechanical equipment loads; Construction loads; ceiling lift loads; special loading considerations;

(vi) Horizontal design loads indicated including seismic loads, wind loads, lateral earth pressures and hydrostatic pressures;

(vii) Loading plans showing area loads not covered by design criteria information such as planter and soil loads with an indication of maximum soil depth;

(viii) Geotechnical information used in the Design including reference to the Geotechnical Reports, footing or pile bearing capacities, Site classification and Site coefficients;

(ix) Concrete mix requirements indicating application, exposure classification, minimum 28-day compressive strength, and maximum aggregate size;

(x) Concrete cover requirements, based on weather and soil exposure, fire resistance rating, or chloride penetration; and

(xi) Concrete reinforcement, structural steel, steel deck, timber framing properties and brief specifications.

(b) Schedules as required for items such as columns, beams, slabs, walls, foundations, baseplates, and embed plates.

(c) Foundation plans, fully coordinated with other consultants' drawings, will contain:

(i) Gridlines and gridline dimensions;

(ii) Foundation types, sizes and reinforcement, including strip footings, pad footings, rafts, piles and pile caps, soil anchors and grade beams. Foundations should be located relative to the supported structure. Indicatively show and detail steps in footings; indicate pile base and cut-off elevations. Indicate top of footing elevation, frost protection and freeze mitigation measures;

(iii) Interior slabs-on-grade including thickness, reinforcement, contraction joint requirements, and subgrade requirements including moisture barrier if required. Indicate step heights or top of slab elevations and ensure step conditions etc. are sufficiently detailed. Show pits for elevators and mechanical openings;

(iv) Concrete walls including thickness and reinforcement. Clearly indicate shear walls and, if detailed elsewhere, ensure adequate referencing. Ensure wall corners, openings, intersections control joints, expansion joints, and construction joints are sufficiently detailed. Provide full height wall sections as required;

(v) Concrete columns, pedestals and pilasters including dimensions and reinforcement, including tie arrangement details;

(vi) Steel columns and other steel framing elements including size and base plate details;

(vii) Steel stair including connection details; and

(viii) Load bearing masonry walls if applicable, including masonry unit dimensions, reinforcement and grouting. Stud walls, if applicable, including stud sizes and spacing, plywood sheathing thickness and nailing requirements. Provide sufficient details as required.

(d) Floor and roof framing plans, fully coordinated with other consultants' drawings, will contain, at a minimum, the following items:

(i) Gridlines and gridline dimensions;

(ii) Concrete slabs including thickness, cambers and reinforcement. Show all openings coordinated with other consultants. Indicate step heights or relative elevations. Ensure step conditions, slab edge conditions, construction joints, delay strips, and such are sufficiently detailed;

(iii) Concrete walls including thickness and reinforcement. Clearly indicate shear walls and, if detailed elsewhere, ensure adequate referencing. Ensure wall corners, intersections, control and construction joints are sufficiently detailed. Provide full height wall sections as required;

(iv) Concrete columns, pedestals and pilasters including size and reinforcement, including tie and column rebar arrangement details. Ensure that columns starting,

stopping and continuing are sufficiently detailed; ensure that offset column transitions are sufficiently detailed;

(v) Concrete beams including dimensions and reinforcement. Elevate beams with complex reinforcement. Ensure beams are sufficiently detailed;

(vi) Detail concrete stairs, including throat thickness, reinforcement and sufficient details for cast in place stairs. For precast concrete stairs provide sufficient seating details;

(vii) Steel deck with or without concrete topping including thicknesses, deck type, connection to supporting structure, and shear transfer elements. Ensure sufficient deck edges, mechanical openings, ledger angles, framing around openings, and structural requirements for support of equipment are adequately detailed;

(viii) Steel beams, open web steel joists and steel trusses, including member sizes or depths, spacing, embed plates where connected to concrete and cambers. Ensure all design forces and moments are provided for use by connection designer, open web steel joist designer and truss designer. Ensure steel girts and ledgers between levels are clearly called up. Ensure desired intent for visually exposed connections is specified. Provide elevations for members between levels if required for clarity;

(ix) Steel columns including size, base plate, embed plate and cap plate details; and

(x) Detail steel stairs, including stringer sizes and connection details.

(e) Elevations, fully coordinated with other consultants' drawings, will contain, at a minimum, the following items:

(i) Concrete wall or shear wall elevations as required to convey information not detailed on plan including complex areas of reinforcement, openings, shear wall zones, headers and such;

(ii) Concrete beam elevations for beams with complex reinforcement;

(iii) Steel bracing elevations including member sizes, forces and sufficient information for connection designer; and

(iv) Any other elevations deemed necessary to convey sufficient structural information.

(f) Sections and details will contain information for all structural conditions not dealt with completely on plans, elevations or schedules. Additional information includes clarification of structural geometry, reinforcement, connection configurations and welding.

(g) Operations and Maintenance Manuals

(i) The Design-Builder will provide operations and maintenance manuals as set out in Section 1.1(j).

(h) Shop Drawings

(i) The Design-Builder will provide shop drawings in accordance with Section 1.2(d).

1.6 Mechanical Design and Construction Documents

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Drawing Content						
Legends, regulatory data, drawing list, key plans	X	X	X	X	X	X
Fire suppression – schematics and floor plans, sections, details	X	X	X	X	X	X
Plumbing – schematics and floor plans, sections, details	X	X	X	X	X	X
Heating and Cooling (Hydraulic) – schematics and floor plans, sections, details	X	X	X	X	X	X
HVAC Ventilation – schematics and floor plans, sections, details	X	X	X	X	X	X
Medical Gas – schematic and floor plan drawings, details	X	X	X	X	X	X
BMS - plans, sections, details Schematics and schedules, air and water flow diagrams, equipment schedules, control schematics, sequence of operations, etc.	-	X	X	X	X	X
Specifications						
General Requirements	X	X	X	X	X	-
Fire Suppression	X	X	X	X	X	-
Plumbing	X	X	X	X	X	-
Heating, Ventilating and Air Conditioning	X	X	X	X	X	-
BMS Integrated Automation	X	X	X	X	X	-
Other						
Updated Energy Model and Report	X	X	X	X	X	-
Fire suppression - Calculations	X	X	X	X	X	X
Plumbing - Calculations	X	X	X	X	X	X
Heating and Cooling (Hydraulic) - Calculations	X	X	X	X	X	X
HVAC (Ventilation) - Calculations	X	X	X	X	X	X

(a) Regulatory Sheet (may be included on title sheet) will contain:

(i) Design load assumptions and calculations including rainfall intensity.

(ii) Calculate and submit an electronic spreadsheet to the Authority demonstrating the estimated maximum flow requirement for the domestic hot water supply. The calculation will include a complete fixture unit count for each of the plumbing system components, pressure drop, and pipe sizes including future allowance.

(b) Fire Suppression - Plans, Sections, Calculations and Details will contain:

(i) Design calculations for water flow with water supply flow data, fire pump (if required), and smoke control. Fire suppression design status will match Design if Scenario 2 is selected by the Design-Builder. Submission drawings will reflect this level of design;

(ii) All design calculations will indicate the planned design conditions and the allowance for spare capacity and future provisions identified;

(iii) Sprinkler zoning including indication of dry pipe and pre-action systems;

(iv) Provisions to accommodate security hazard classifications;

(v) Clearly indicated ceiling and slab elevations (geodetic) complete with level changes, bulkheads, beams, etc.;

(vi) The location of doors and windows, and other openings;

(vii) The location of "special fire hazard / load" conditions such as compact storage shelving, vaults, electronic data processing rooms, etc.;

(viii) The location of interconnected floor spaces;

(ix) The location of fixtures and equipment for washrooms, kitchens, conference rooms, equipment, mechanical, electrical and Communications Rooms;

(x) The designation (usually by room name and number) of interior spaces including sprinkler head type;

(xi) Graphic indication of fire separation(s), acoustic separation(s), security separation(s), etc.; and

(xii) Specialist fire suppression elements required as part of an Alternative Solution.

(c) Plumbing - Plans, Sections, Calculations and Details will contain:

(i) The following design calculations will be submitted at each submission stage, at the time of building permit application to the City, and at the completion of the Project:

(A) Domestic cold water system;

(B) Domestic hot water system;

(C) Domestic hot water storage tank sizing;

(D) RO system sizing;

(E) Storm water system complete with all rainfall calculations as described in Section (a)(i);

(F) Sanitary drainage system;

(G) Contaminated waste system;

(H) Grease / solids / acid neutralizer interceptor sizing calculations;

(I) Post-disaster sewage waste holding tank sizing;

(J) Instrument air compressor and pipe sizing;

(K) Utility (Shop) air compressor and pipe sizing;

(L) Medical Gas pipe sizing;

(M) Medical Gas Compressor and Vacuum Pump sizing (including all intake and exhaust piping);

(N) Medical Gas AGSS system and pipe sizing (including all intake and exhaust piping);

(O) Medical Gas Manifold sizing for both normal use and post disaster conditions;

(P) Oxygen bulk tank relocation and piping;

(Q) Other medical gases sizing;

(R) Lab gases sizing;

(S) Propane tank, vaporizer, and naturel gas system sizing; and

(T) Fuel oil system sizing including main storage tank, day tanks, and transfer pumps.

(ii) All design calculations will be in an excel spreadsheet format.

(iii) All design calculations will indicate the planned design conditions, the allowance for redundancy, spare capacity, Future Flexibility, and the Phase 2 Renovations allowances identified;

(iv) Design calculations will indicate the number of, and the rationale for, the amount of bottle storage that has been provided in the medical gas systems for the post-disaster condition.

(v) Design calculations will be updated throughout Design and Construction and the final submission will reflect the final Construction conditions.

(vi) All final design calculations will be provided to the Authority prior to Total Completion to assist in calculating any changes that occur in the Facility post completion.

(vii) Provide a Legionella Mitigation Plan for both the Design and future maintenance of the domestic hot water systems. The legionella mitigation plan will incorporate the requirements of the latest version of CSA 317.1, ASHRAE AE / NSF Standard 514, NSF, and ASPE Standards on Legionella design and control in Health Care Facilities.

(viii) Design calculations for water supply including pressure, hot water heating, sanitary waste sizing and roof drainage.

(ix) Riser diagrams with flows indicated for domestic hot and cold water lines, waste and vent lines.

(x) Site built shower double membrane assembly section, details, and products.

(xi) Plumbing fixture schedule.

(d) Heating and Cooling (Hydronic) - Plans, Sections, Calculations and Details will contain:

(i) Design calculations for water supply including pressure, hot water heating, glycol solution and chilled water;

(ii) Riser diagrams with flows indicated for hot, steam and chilled water lines; and

(iii) Equipment schedule.

(e) Heating, Cooling and Ventilation (HVAC) - Plans, Sections, Calculations and Details will contain:

(i) Design calculations for airflow calculations including minimum outside air to be admitted and air change rates, system pressure static analysis at peak and minimum loads, acoustical calculations, building heating, cooling and ventilation loads, flow and head calculations for pumping systems, sizing of fuel storage, distribution and vibration isolation;

(ii) All design calculations will indicate the planned design conditions and will indicate the allowance for redundancy, spare capacity, and Future Flexibility provisions, and Phase 2 Renovations allowances identified.

(iii) HVAC piping layouts including valves complete with locations where temperature, pressure, flow, contaminant/combustion gases, vibration gauges and remote sensing is required;

(iv) HVAC duct layouts and true sizes (double line) including fire dampers, volume control dampers, and Outbreak Control Zones;

(v) Duct shafts showing space allocation of future services install and access locations;

(vi) Layout of equipment rooms showing mechanical equipment including space for maintenance (filter replacement, valve adjustments, etc.) and removal / replacement of mechanical equipment (coils, heat exchangers, pumps, boilers, chiller tube bundles, etc.) and future equipment space allowances;

(vii) Roof plan with roof-mounted equipment and penthouses complete with indication of servicing and maintenance access;

(viii) Provide 3rd Party Dispersion Study Analysis and Report to support the placement of intakes; refer to Schedule 1 Section 7.4.4.2(9).

(ix) HVAC outside air intake and exhaust air discharge including louver sizes and locations relative to each other, ensuring security and acoustic concerns have been taken into considerations;

(x) HVAC riser diagram(s), schematic flow and riser diagrams including airflow and water flow quantities and balancing for heating and cooling equipment, flow energy measuring devices for water and air systems.

(xi) Automatic temperature control diagram(s) including control flow diagrams showing sensors, valves and controllers, sequence of operation of systems, diagram showing control signal interface with sequence of operation, locations and connections of energy metering devices for major equipment;

(xii) Equipment schedule including chillers, boilers, pumps, air handling units, fans, terminal units, diffusers and grilles. Equipment with redundancy and spare capacity requirements will note these values in the equipment schedules provided;

(xiii) Clear indication of seismic restraints for HVAC systems and equipment; and

(xiv) Plans indicating fire compartments with matrices indicating relative pressurization between compartments during normal and fire modes of operation.

(f) Integrated automation details will contain:

(i) Integrated automation layout , sequence of operation, and additional capacity for Future Flexibility; (refer to BMS Controls shop drawings requirements).

(g) Drawings and schedules will contain:

(i) Clearly indicated type, flow, head, speed, class, BHP, electrical, etc.; and

(ii) Schedules may be graphical and/or tabular in drawing and/or specification format.

(h) Energy Modeling

(i) Refer to Appendix 1 [Energy Modelling Methodology and Assumptions] of Schedule 8 [Energy and Carbon Guarantee] for detailed requirements.

(ii) Using ASHRAE 140 compliant software, as detailed in the BC Hydro New Construction Energy Modeling Guideline, demonstrate that the proposed Design meets the energy use provisions of Schedule 1 as detailed in Part 7.

(iii) Provide updated Energy Model report, which will include the following information as a minimum:

(A) Executive Summary;

(B) Facility information, including the location, weather file used, total floor area, outdoor design temperatures and humidity;

(C) Building envelope inputs for both reference building and proposed building, including clear-field and effective roof and wall assembly U-values, fenestration overall U-value, window to wall ratio, shading coefficient, internal and external shading devices;

(D) Internal loads inputs per room for both reference building and proposed building, including lighting power density, lighting control, plug loads, occupants;

(E) Indoor design conditions per room for both reference building and proposed building, including occupancy schedules, indoor design temperatures, indoor design humidity levels, ventilation air;

(F) Mechanical systems for both reference building and proposed building, including system description, fan control, fan power, outdoor air, exhaust air, heat recovery system, equipment efficiencies;

(G) Facility energy plant for both reference building and proposed building, including heating type and efficiencies, cooling type and efficiencies, service water heating type and efficiencies;

(H) Utility rates for all types of fuel;

(I) Energy Modelling results for both reference building and proposed building, including energy summary by end use, energy type, energy use and energy intensity, energy use savings and energy cost savings; and

(J) List of recommended energy conservation measures, including annual estimated savings, incremental capital costs, life expectancy, and life cycle cost analysis.

(i) Operations and Maintenance Manuals

(i) The Design-Builder will provide operations and maintenance manuals as set out in Section 1.1(j).

(j) Shop Drawings

(i) Design-Builder will provide shop drawings in accordance with Section 1.2(d).

1.7 Electrical Design and Construction Documents

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Drawing Content						
Legends, regulatory data, drawing list, key plans	X	X	X	X	X	X
Site Plans	X	X	X	X	X	X
Power Single Line Diagram	X	X	X	X	X	X
Power Riser Diagram	X	X	X	X	X	X
Large Scale - Electrical Room equipment layouts (only one typical room of each type required for 30% Submittal)	X	X	X	X	X	X
Large Scale - Electrical Room 3-D equipment layouts including equipment dimensions.	-	-	X	X	X	X
Grounding Riser Diagram	X	X	X	X	X	X
Grounding Details	-	-	-	X	X	X
Lightning Protection Riser, Plans	X	X	X	X	X	X

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Lightning Protection Details	-	-	-	X	X	X
Lighting Control Riser	X	X	X	X	X	X
Lighting Control Details	-	-	X	X	X	X
Clock System Riser	-	-	X	X	X	X
Metering Risers	-	X	X	X	X	X
Fire Alarm and Voice Communication System Riser	X	X	X	X	X	X
Lighting and Lighting Control:						
Plans	X	X	X	X	X	X
Circuiting	-	-	-	X	X	X
Power:						
Plans	X	X	X	X	X	X
Circuiting	-	-	-	X	X	X
Fire Alarm and Voice Communication Systems Plans	X	X	X	X	X	X
Switchgear/CDP/Unit Substation, elevations and schedules	-	X	X	X	X	X
Fire Alarm and Voice Communication Systems schedules	-	-	X	X	X	X
Site Service details	-	X	X	X	X	X
Miscellaneous details	-	-	-	X	X	X
All other drawings	-	-	-	X	X	X
Specifications						
Table of Contents: listing all sections	X	X	X	X	X	-
General Requirements	X	X	X	X	X	-
Electrical	X	X	X	X	X	-
Branch Circuit Panelboard Schedules	-	-	-	X	X	-
Luminaire Schedules	X	X	X	X	X	-
Lighting Control Schedules	-	-	X	X	X	-
Communications (clock system and interval timers)	-	X	X	X	X	-
Electronic Safety and Security	-	-	X	X	X	-
Other						
Total load calculations (utility electric service)	X	X	X	X	X	-
Total load calculations (generator power)	X	X	X	X	X	-
Load calculations (transformer loadings)	X	X	X	X	X	-
Load Calculations (MDP, CDP) (only MDP calculations are required for 30% and 50% submittals)	X	X	X	X	X	-
Load calculations (UPS power)	X	X	X	X	X	-
Power system ground grid calculations	-	X	X	X	X	-
Voltage drop calculations	-	-	-	X	X	-
Short circuit calculations	-	X	X	X	X	-
Arc flash calculations	-	-	-	X	X	-
Co-ordination study	-	-	X	X	X	-
Magnetic Field study	-	-	-	X	X	-
Lighting calculations	-	-	X	X	X	-
Cable tray calculations	-	-	-	X	X	-

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Third party power quality report	-	-	-	-	-	X

(a) Regulatory Data (may be included on title sheet) will contain:

(i) Design load assumptions and calculations to demonstrate code compliance.

(b) Site Plans will include:

(i) Property limits;

(ii) Public and private roadways and lighting;

(iii) Driveways;

(iv) Parking lots;

(v) Electric utility services;

(vi) Electrical high voltage feeders;

(vii) Site lighting and underground conduits;

(viii) Exterior Facility lighting;

(ix) Exterior Signage

(x) Parking control systems;

(xi) Electric vehicle supply equipment and bike share power infrastructure;

(xii) Maintenance hole locations with sump pump circuits as applicable;

(xiii) Hand holes, duct banks, pull pits; and

(xiv) High voltage and lightning protection ground grids.

(c) Power Single Line Diagram will include:

(i) The entire electrical system from the utility service to and including switchgear, CDPs, panelboards, MCCs, chillers, imaging equipment, motors 50 HP, elevators, generators, transformers, switches, splitters, bus ducts, power factor / harmonic correction units, grounding resistors, feeders and feeder breakers;

(ii) Ratings of transformers, generators, breakers, switches, fuses, transfer switches, switchgear, CDPs, MCCs;

(iii) Ratings of grounding resistors, zig-zag grounding transformers, fuses, bus ducts, feeders, splitters, safety switches, panelboards, power factor / harmonic correction units, etc., for 50%, 70%, 90% and 100% Submittals;

(iv) Transformer and generator winding arrangements, phase shifts, and system grounding locations;

(v) Calculated maximum fault levels, symmetrical and asymmetrical, equipment short circuit current ratings, and protective device symmetrical interrupting ratings, for 70%, 90% and 100% Submittals;

(vi) Calculated arc flash incident energy level at each power distribution equipment bus, for 90% and 100% Submittals;

(vii) Interlock schemes;

(viii) Potential and current transformers, including neutral or ground fault current sensors;

(ix) Protective and control relays on high voltage breakers including transfer switches;

(x) Metering, for 50%, 70%, 90% and 100% Submittals; and

(xi) Equipment names, following a consistent equipment naming methodology/convention that is suitable for use in Future Flexibility, renovations, including the Phase 2 Renovations, and future buildings.

(d) Power Riser Diagram will include:

(i) The entire electrical system from the utility service to and including switchgear, CDPs, panelboards, MCCs, chillers, imaging equipment, motors over 50 HP, elevators, generators, transformers, switches, splitters, bus ducts, power factor / harmonic correction units, grounding resistors, and feeders;

(ii) Equipment shown in elevation relative to its actual size;

(iii) Equipment shown on the floor level where it will be installed;

(iv) A two-dimensional relative representation of where the equipment will be located;

(v) Feeders to equipment with fire protection methods noted where applicable;

(vi) A two-dimensional representation of the routing of the feeders; and

(vii) Equipment names, following a consistent equipment naming methodology.

(e) Large Scale - Electrical Room equipment Layouts will include:

(i) All Electrical Rooms drawn to a scale of not less than 1:50;

(ii) All equipment in the room shown to scale;

(iii) Dimensions of equipment shown, for 50%, 70%, 90% and 100% Submittals;

(iv) Widths of access aisles dimensioned, and paths for removal and replacement of large equipment, for 50%, 70%, 90% and 100% Submittals;

(v) Dimensions of drawn-out equipment components shown in their drawn-out positions, for 50%, 70%, 90% and 100% Submittals;

(vi) Dimensions of spare floor space, wall space, and adjacent areas reserved for Future Flexibility requirements;

(vii) Equipment door swings indicated;

(viii) Room doors shown;

(ix) Room names and numbers;

(x) Horizontal and vertical provisions for future raceways and wiring; and

(xi) Three-dimensional drawing files provided for 70%, 90% and 100% Submittals.

(f) Grounding Riser Diagram and Details will include:

(i) The entire electrical grounding system from the ground grid to each Electrical Room, generator room, and Communications Room;

(ii) Ground rods, buried ground grid conductors, ground buses, grounding and equipotential bonding conductors;

(iii) Equipment shown in elevation;

(iv) Equipment shown on the floor level where they will be installed;

(v) A two-dimensional relative representation of where the equipment will be located;

(vi) A two-dimensional representation of the routing of the conductors;

(vii) Ground bus names, following a consistent naming methodology/convention, for 70%, 90% and 100% Submittals;

(viii) Equipment and conductor sizing; and

(ix) Details of ground bus Design and mounting, for 90% and 100% Submittals.

(g) Lightning Protection Riser, Plans and Details will include:

(i) The entire lightning protection system from the ground grid to the air terminals and roof top equipment connected to the system;

(ii) Ground electrode and grid down conductors, interconnecting conductors and bonding details;

(iii) Equipment shown in elevation;

(iv) Equipment shown on the floor level where they will be installed;

(v) A two-dimensional relative representation of where the equipment will be located;

(vi) A two-dimensional representation of the routing of the down conductors and interconnecting conductors;

(vii) Equipment sizing;

(viii) Details of:

(A) Air terminal parapet mounting;

(B) Air terminal roof mounting;

(C) Roof penetrations;

(D) Air terminal to conductor connections;

(E) Conductor interconnections; and

(F) Bonding straps for other equipment.

(h) Lighting control riser and details will include:

(i) All lighting controllers and network connections;

(ii) Lighting controllers shown on the floor level where they will be installed;

(iii) A two-dimensional relative representation of where the lighting controllers will be located and the areas they serve;

(iv) Wiring runs to equipment;

(v) A two-dimensional representation of the routing of the wiring runs;

(vi) Wiring details for each type of control device and major space types, showing wiring topology and methods, clearly indicating how luminaires, sensors, switches, controllers and network interfaces connect;

(vii) Equipment names, following a consistent equipment naming methodology/ convention; and

(viii) Details of integration with other systems.

(i) Clock System Riser will include:

(i) Clock system communications network nodes and links, including transmitters, receivers, and booster units;

(ii) Equipment shown on the floor level where they will be installed;

(iii) A two-dimensional relative representation of where the equipment will be located;

(iv) Wiring runs and wireless communications links between equipment and to remote time servers;

(v) Equipment names, following a consistent equipment naming methodology/ convention; and

(vi) Details of integration with other systems.

(j) Metering Riser will include:

(i) The entire system including network connections and interfaces to other systems;

(ii) Equipment shown on the floor level where they will be installed;

(iii) A two-dimensional relative representation of where the equipment will be located;

(iv) Wiring runs to equipment;

(v) A two-dimensional representation of the routing of the wiring runs; and

(vi) Equipment names, following a consistent equipment naming methodology/ convention.

(k) Fire alarm and voice communication system riser will include:

(i) The entire fire alarm and voice communication system;

(ii) Equipment shown on the floor level where they will be installed;

(iii) A two-dimensional relative representation of where the equipment will be located;

(iv) Communication wiring between the head end and local panels, and between local panels;

(v) A two-dimensional representation of the routing of the wiring between the head end and the local panels and between the local panels;

(vi) Each initiating loop out of a local panel, including every isolation module used in the loop;

(vii) Indication of each initiating zone;

(viii) Indication of each notification zone;

(ix) A typical representation of the initiating, monitoring and control devices installed on each segment of a loop (i.e. between isolation modules);

(x) Each notification circuit out of a local panel;

(xi) A typical representation of the notification devices installed on each signal circuit;

(xii) Interconnections with other systems; and

(xiii) Equipment names, following a consistent equipment naming methodology.

(l) Lighting and lighting control plans will include:

(i) Reflected ceiling plans to scale showing all luminaires, including emergency lighting and exit signs, in their relative locations;

(ii) An indication of the luminaire types, corresponding to the luminaire schedules;

(iii) Circuiting of each luminaire;

(iv) Lighting control devices, in their relative locations;

(v) Control panels, in their relative locations;

(vi) Lighting control zoning;

(vii) Lighting panelboards, in their relative locations; and

(viii) Room names and numbers, doors and windows, corridor names.

(ix) Power Plans will include:

(x) Floor plans to scale showing all:

(A) receptacles;

(B) equipment connections;

(C) safety switches;

(D) transfer switches;

(E) feeders;

(F) splitters;

(G) panelboards;

(H) switches controlling receptacles or equipment;

(I) timers;

(J) clocks;

(K) contactors;

(L) switchgear;

(M) CDPs;

(N) power factor or harmonic correction units;

(O) isolated power systems;

(P) transformers;

(Q) generators;

(R) UPS equipment;

(S) motor control centres;

(T) chillers;

(U) motors over 50 HP;

(V) automatic door controls;

(W) control equipment (other than lighting control), shown in their relative locations;

(X) an indication of the equipment types, corresponding to the legend;

(Y) circuiting of each item of equipment; and

(Z) room names and numbers, doors and windows, corridor and other space names.

(m) Fire alarm system plans will include:

(i) Reflected ceiling plans to scale showing all initiating devices, notification devices, control devices, monitoring devices, isolation modules, in their relative locations;

(ii) An indication of the equipment types, corresponding to the Legend;

(iii) Annunciators, head end equipment, local panels, battery cabinets, paging stations, control centres, in their relative locations;

(iv) Identification of each zone boundary;

(v) Circuiting of items requiring power for 90% and 100% Submittals;

(vi) Room names and numbers, doors and windows, corridor names;

(vii) Zone names; and

(viii) Fire walls, fire separations.

(n) Switchgear/CDP/Unit Substation, Elevations and Schedules will include:

(i) The elevation of each item of switchgear, each CDP and each unit substation showing protective devices, switching devices, bus arrangements, protective relays, control relays, metering, labelling, surge protective devices; and

(ii) Schedules identifying each protective device, switching device, transformer, bus, showing the ratings of these plus the settings of each protective device, including:

(A) Long-time pickup;

(B) Long-time delay;

(C) Short time pickup;

(D) Short time delay;

(E) Instantaneous;

(F) Ground fault pickup; and

(G) Ground fault delay, etc. as applicable.

(o) Fire alarm and voice communication system schedules will include, in a matrix format:

(i) All initiating, monitoring and control zone designations;

(ii) All notification zone designations;

(iii) A description of the area or equipment involved;

(iv) An indication of the system operation related to that zone;

(v) All voice communications zone designations;

(vi) A description of the area involved for each voice communications zone; and

(vii) A description of the smoke control/smoke venting systems operations for each initiating zone.

(p) Site Service Details will include:

(i) Maintenance holes and hand holes;

(ii) Cable racking inside maintenance holes;

(iii) Cable pulling provisions inside maintenance holes;

(iv) Built in ladders inside maintenance holes;

(v) Means of draining maintenance holes including gravity drainage and sump pump systems;

(vi) High water alarms for maintenance holes;

(vii) Lighting and power provisions inside maintenance holes;

(viii) Cross sections of each duct bank;

(ix) Cross sections of any direct buried cables;

(x) Bases for lighting standards;

(xi) Bases for bollards;

(xii) Bases for other equipment;

(xiii) Snow melting details; and

(xiv) Roof and gutter de-icing details.

(q) Miscellaneous Details will include:

(i) All details required for the full description of the Design and Construction and the Facility not included on other drawings.

(r) All other drawings will include:

(i) Drawings as required for the full description of the Design and Construction and the Facility not included on other drawings.

(s) Record Drawings will include:

(i) Drawings included in the 100% Submittals plus any changes made and any drawings added up to the completion of Construction;

(ii) Updating of each drawing to the final "as built" condition;

(iii) Final locations of duct banks including elevation information at intervals not greater than 15 metres, maintenance holes, hand holes, conduit, outlets, panels, branch wiring, system wiring, pull boxes, bus ducts, and equipment;

(iv) Dimensions from column lines or edge of roadways to the location of buried conductors/ducts, and burial depth of each; and

(v) Project surveyor's information on the Site services Record Drawings.

(t) Electrical Specifications will include:

(i) Sections in sufficient detail to unequivocally describe each material and each item of equipment to be used on the electrical scope of work for the Project;

(ii) The method of installation, testing, Commissioning and documenting for each material, item of equipment, and system that is part of the electrical scope of work for the Project; and

(iii) Identification of the codes and Standards in accordance with which the materials, equipment, and systems will be provided.

(u) Branch Circuit Panelboard Schedules will include:

(i) A separate schedule for each panelboard;

(ii) Panelboard ratings, voltage and ampacity;

(iii) Main breaker ratings (where applicable);

(iv) Maximum number of branch breaker poles that the panelboard can accommodate;

(v) The rating and number of poles for each branch breaker;

(vi) The phase that each breaker pole is connected to;

(vii) The name of the load supplied by each branch breaker;

(viii) The anticipated circuit and overall panel loading in amperes, and spare capacity provisions;

(ix) Spare breakers;

(x) Breaker spaces;

(xi) The interrupting rating of the circuit breakers; and

(xii) Circuits equipped with breaker "lock-on" devices.

(v) Lighting control schedules will include:

(i) A separate schedule for each control panel;

(ii) Lighting control zone designations;

(iii) Circuits and sub-circuits controlled;

(iv) Designation of each control relay;

(v) Rating of each control relay;

(vi) A description of the type of control;

(vii) A listing of "scenes" allocated to the zone; and

(viii) Interfaces with other panels, head end equipment, other systems.

(w) Calculations will be:

(i) Published, handwritten calculations will not be submitted;

(ii) Fully detailed to allow review of each step of the calculations;

(iii) With power demand, diversity factors, spare and future provisions identified; and

(iv) With all assumptions clearly stated.

(x) Total Load Calculations (Utility Electric Service) will include:

(i) Calculation of the annual peak demand load, in kW and kVA, expected for the CMH Campus;

(ii) Calculation of the annual peak demand load, in kW and kVA, on each utility service under typical operating conditions, indicating the spare capacity on each service; and

(iii) Calculation of the annual peak demand load, in kW and kVA, on each utility service with one utility service shutdown.

(y) Total Load Calculations (Generator Power) will include:

(i) Calculation of the annual peak demand load on the generating system, in kW and kVA, expected for the CMH Campus;

(ii) Calculation of the annual peak demand load, in kW and kVA, on each generator under typical operating conditions, indicating the spare capacity on each generator;

(iii) Calculation of the annual peak demand load, in kW and kVA, on each generator with one generator out of service;

(iv) Calculation of the annual peak demand load, in kW and kVA, on each generator with one generator bus (e.g. two generators) out of service.

(v) Calculation of the reserve generator capacity for required spare, motor starting, and stepped loads;

(vi) Calculation of the annual peak demand load, in kW and kVA, on each ATS; and

(vii) Calculation of each load shedding step at minimum and maximum loading conditions.

(z) Load Calculations (Transformer Loadings) will include:

(i) Calculation of the annual peak demand load, in kW and kVA, on each transformer under typical operating conditions;

(ii) Calculation of the annual peak demand load, in kW and kVA, on each transformer with one transformer out of service, the transformer out of service will be one that causes substation load to be transferred to the transformer for which the load calculation is being performed (e.g. its twin);

(iii) Calculation of the anticipated future load growth on each transformer; and

(iv) Calculation of the spare capacity provided for in each transformer.

(aa) Load Calculations (MDP, CDP) will include:

(i) Calculation of the annual peak demand load, in kW and kVA, on each MDP and CDP under typical operating conditions;

(ii) Calculation of the annual peak demand load, in kW and kVA, on each MDP with the adjacent branch main breaker open and tie-breaker(s) closed; and

(iii) Calculation of the spare capacity provided for in each MDP and CDP.

(bb) Load Calculations (UPS Power) will include:

(i) Calculation of the annual peak demand load, in kW and kVA, on each UPS system under typical operating conditions;

(ii) Calculation of the anticipated future load growth on each UPS system;

(iii) Calculation of the spare capacity provided for in each UPS system; and

(iv) Calculation of the battery support time of each UPS system, based on:

(A) full load operation;

(B) with the redundant system not available;

(C) with the battery capacity derated to the actual ambient room temperature, and

(D) with the batteries at "end of life".

(cc) Power System Ground Grid Calculations will include:

(i) Identification of soil resistivity based on Site testing, two-layer resistivity values and depths used in computer models if applicable; and

(ii) Calculation of the GPR, step and touch potentials, in accordance with IEEE 80.

(dd) Voltage Drop Calculations will include:

(i) Calculations of the steady state voltage drop from the utility service though to every power utilizing device;

(ii) Provided that a maximum of 3% voltage drop is allowed for each branch circuit then the voltage drop calculations can end at the branch panelboard or MCC;

(iii) Calculations based on a load equal to the maximum continuous load rating of the breaker or fuse protecting the circuit, unless the load is fixed and known (e.g.: a single motor), in which case the fixed known load can be used; and

(iv) Calculations based on a power factor of 90% unless a different power factor is known to apply in which case the known power factor will be used.

(ee) Short Circuit Calculations will include:

(i) Calculations of symmetrical and asymmetrical values of fault currents, based on the calculated X/R ratio of the system;

(ii) Calculations of the maximum three phase fault current, the maximum line to line fault current, the maximum line to ground fault current and the maximum line to ground fault current at every protective device and switching device in the electrical system, excluding local switches on branch circuits;

(iii) The maximum fault currents based on the utility supply in parallel with the generator supply, where closed transition transfer switches are used;

(iv) The utility and generator ultimate design fault levels;

(v) Motor contribution; and

(vi) Actual transformer impedances, but until actual impedances are available, worst case (low) impedances.

(ff) Arc Flash Calculations will include:

(i) Calculations of the arc flash incident energy at every piece of distribution equipment, protective device and every switching device in the system, excluding local switches on branch circuits.

(ii) Arc flash labels produced for all power distribution equipment, excluding local switches on branch circuits.

(gg) Coordination Study will include:

(i) Graphs of each portion of the electrical system on log-log paper showing:

(A) The operating characteristics of each protective device;

(B) Full load ratings of transformers;

(C) Full load ratings of individual generators and generators in parallel;

(D) The maximum and minimum fault level at each protective device and each switching device;

(E) Transformer inrush current;

(F) Motor starting current;

(G) Cable damage curves;

(H) Transformer damage curves;

(I) Full load ratings of generators;

(J) Generator damage curves;

(K) Generator decrement curves for individual generators and paralleled generators;

(L) Full load ratings of UPS systems;

(M) UPS system fault levels;

(N) UPS system maintenance bypass fault levels; and

(O) A single line diagram of the portion of the system involved including the equipment names, ratings and settings.

(ii) No more than five times current curves of protective devices on each graph;

(iii) Graphs showing operation on utility power;

(iv) Graphs showing operation on generator power;

(v) Graphs showing operation on UPS power;

(vi) A sufficient number of graphs to depict the entire electrical system including the Utilities protective devices and the generators down to feeders to lighting/receptacle/lab panels, splitters, motor control centres, chillers, motors of 50 HP and larger;

(vii) Separate graphs for phase currents;

(viii) Separate graphs for ground currents with phase trip curves shown as needed for ground fault coordination;

(ix) Schedules showing each protective device that is equipped with an adjustable trip unit, showing the device frame size, CT ratios and the detailed settings of its trip unit;

(x) Identification of areas where equipment protection is not adequate; and

(xi) Identification of areas where full co-ordination is not achieved.

(hh) Magnetic field study will include:

(i) Post-installation magnetic field measurements (60Hz magnetic field strength, in milligauss) in any areas with sensitive equipment located near transformers, motors, or other field-producing equipment.

(ii) Field measurements to be made where requested by the Authority.

(ii) Lighting calculations will include:

(i) Minimum and average light levels measured in lux, for each unique room, stairway, corridor, public space, service space, Patient Care Area type, including multiple switching scenarios when applicable. Calculations will be based on grids not exceeding 0.3m x 0.3m and calculated at the work plane or wall/floor as appropriate.

(ii) Night light levels in public areas and Patient Care Areas.

(iii) Exterior minimum and average light levels at exits, walking paths/sidewalks, roadways, drive aisles, and gathering areas. Calculations will be based on grids not exceeding 1m x 1m.

(jj) Cable Tray calculations will include:

(i) Number and type of cables at each location terminating at a service room, closet, or distribution equipment, and each location where there is a reduction in size of the cable tray.

(ii) The fill space available will be included based on percentage of cable type(s) and similar sizes in the cable tray for each of the locations noted above.

(kk) Submit reports for the following:

(i) Operating and maintenance manuals;

(ii) Training session records;

(iii) Short circuit, protective device co-ordination, and arc flash studies.

(iv) Panelboard loading test results;

(v) Transformer loading test results;

(vi) Motor control centre loading test results;

(vii) Seismic restraints;

(viii) Testing of Patient Care Areas to CSA Z32;

(ix) Lighting level (illuminance) measurements;

(x) Factory witness testing;

(xi) Site acceptance (pre-service) testing;

(xii) Ground resistance measurements;

(xiii) Lightning protection grounding resistance;

(xiv) UPS battery testing;

(xv) UPS performance testing;

(xvi) Generator testing;

(xvii) Transfer switch testing;

(xviii) Transformer testing;

(xix) High voltage cable testing;

(xx) Switchgear/CDP testing;

(xxi) Distribution system dynamic performance verification;

(xxii) Magnetic field studies for sensitive areas and post-installation measurements; and

(xxiii) Clock system signal coverage.

(ll) Submit the following Certificates and Verifications:

(i) Manufacturers' letters verifying that the equipment has been installed in accordance with their instructions for the following:

(A) Fire stopping;

(B) Fire rated wiring;

(C) Lighting control systems;

(D) Clock system;

(E) Automatic transfer switches;

(F) Generators;

(G) Paralleling and load management systems;

(H) UPS systems;

(I) UPS batteries;

(J) EVSE;

(K) Power factor and harmonic correction units; and

(L) Metering.

(ii) Seismic certifications and letters of assurance for:

(A) Transformers;

(B) Generators;

(C) Transfer switches;

(D) Switchgear /CDPs/MCCs; and

(E) Seismic restraints/anchorage of other electrical components.

(iii) Other documentation:

(A) Fire alarm system verification;

(B) Radio license for clock system;

(C) Request for final review;

(D) Electrical engineer's letter of assurance; and

(E) Equipment warranties.

(mm) Operations and Maintenance Manuals

(i) The Design-Builder will provide operations and maintenance manuals as set out in Section 1.1(j).

(nn) Shop Drawings

(i) The Design-Builder will provide shop drawings in accordance with Section 1.2(d).

1.8 Communications Systems Design and Construction Documents

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Drawing Content						
Legends, drawing list, key plans	X	X	X	X	X	X
Location, Site - plans and details	X	X	X	X	X	X
Power and Data Drop Overall Floor plans (Coordinated on Electrical plans)	X	X	X	X	X	X
Data Drop Typical Room Floor plans	X	X	X	X	X	X
Communications Room Floor plans	X	X	X	X	X	X
Structured Cabling Riser Diagrams	X	X	X	X	X	X
Communications Room Wall Layouts	-	X	X	X	X	X
Telecommunications Bonding and Grounding Diagram	X	X	X	X	X	X
Physical Network and Telephony Design	-	X	X	X	X	X
Intra-Building Pathways Floor plans	X	X	X	X	X	X
Intra-Building Backbone Cabling Diagram	X	X	X	X	X	X
Public Address Riser and System Diagrams	X	X	X	X	X	X
IM/IT Overall Systems Floor plans (Public Address, Nurse Call, RTLS Infrastructure)	X	X	X	X	X	X
RTLS Reflected Ceiling Plan Device Layouts and Zoning Diagrams	-	X	X	X	X	X
RTLS Riser and System Diagrams	X	X	X	X	X	X
Wireless Systems Coordination Reflected Ceiling Plans (Wireless Access Points, DAS Antennas, Wireless Telemetry Antennas and RTLS Beacons)	-	-	-	X	X	X
DAS Riser and System Diagrams	-	-	X	X	X	X
IM/IT Wi-Fi Network Riser and System Diagrams	-	-	X	X	X	X
IM/IT Wi-Fi Network WAP Layout and Heatmaps	-	-	-	X	X	X

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Guest Infotainment Riser and System Diagram	-	-	X	X	X	X
Audio-Visual Equipment System Diagrams	-	-	X	X	X	X
Audio Visual (Each Multimedia Room Floorplan, Elevations and Reflected Ceiling Plans) (1:50 scale)	X	X	X	X	X	X
Nurse Call Riser and System Diagrams	X	X	X	X	X	X
Nurse Call Typical Room Device Layouts	X	X	X	X	X	X
Integration Engine narrative and integration diagrams and sequence of operations	-	-	-	X	X	X
Systems Block Diagrams and Integration Matrix (Including Divisions 25, 27, 28 Systems)	X	X	X	X	X	X
Standard Operating Procedures narrative and scenario examples for each system in editable spreadsheet format	-	-	X	X	X	X
Bill of Materials Spreadsheet Tables						
Communications (Division 27) All Systems		X	X	X	X	-

(a) Communications documents will include:

(i) Sections in sufficient detail to fully describe each material and each item of equipment to be used for each system, including manufacturers, materials, assembly, functions, features and performance requirements;

(ii) The method of installation, testing, Commissioning and documenting for each material, piece of equipment, and system, and interface; and

(iii) Identification of the codes and Standards in accordance with which the materials, equipment, and systems will be provided.

(b) Communications (Division 27) drawings will be identified as "COM" series (communications) drawings in the approved Construction drawings, separated from "E" (electrical) drawings. The COM-series drawings at a minimum will include:

(c) All drawings, Specifications, Submittals and Construction documents will be produced and reviewed and stamped by the RCDD employed by the Design-Builder.

(d) Refer to PHSA Communications Infrastructure Standards and Specifications for the Authority's construction standard drawings (C-STD) and details.

(e) The drawings will use industry-standard symbols and legends. Refer to PHSA Communications Infrastructure Standards and Specifications for the Authority-approved symbols.

(f) Floor plan layouts will indicate:

(i) Systems device locations and types;

(ii) The locations of all Communications Rooms and their associated serving zone boundaries;

(iii) All Telecommunications Outlets identifying types of cables, label details and number of Data Drops per outlet;

(iv) Locations, quantity and sizes of all cable tray, sleeves, risers, junction boxes and pull boxes;

(v) Backbone cabling pathways including the routes of the telecommunications grounding backbone;

(vi) Layouts will be to scale providing detail plan views, reflected ceiling plans and elevations of all communications and low voltage components and equipment, racks and enclosures.

(vii) Maintenance and operational clearances;

(viii) Non-telecom related materials, equipment, devices and structures (all dimensions will be included); and

(ix) Elevation drawings of all walls of each Communications Room, clearly showing the layout of all termination hardware, grounding and bonding components, horizontal pathway penetrations, and wall-mounted equipment cabinets.

(g) Provide riser diagrams for each system, including the following details:

(i) Inter-building and intra-building backbone pathway system including the Service Entrance Facilities identifying quantity and sizes of conduits, trays and sleeves;

(ii) Equipment locations in Communications Rooms and typical field devices;

(iii) Power supplies and Electrical circuiting details; and

(iv) Inter-building and Intra-building backbone cabling subsystem identifying cross connect locations and type, size, sheath, gauge, length and strand or copper pair count of each cable installed.

(h) Public address plans, sections, details will contain:

(i) Reflected ceiling plans showing locations of all speakers;

(ii) Complete point to point wiring details, schematic diagrams and other information required to demonstrate that the system has been properly designed and coordinated to meet the requirements of the Authority; and

(iii) Layouts of equipment and appurtenances and their relationship to other parts of the work including clearances for maintenance and operation.

(i) Audio Visual

(i) Floor layouts (1:50 scale) of each multimedia room identifying quantities and types of cables, endpoint locations, pathways, floorbox locations;

(ii) Elevation layouts of each multimedia room identifying locations of all power/data outlets, wall backing for equipment mounts, locations for display screens, control panels and switches, source connection patch panels, cameras, speakers and other AV components; and

(iii) Reflected ceiling plans of each multimedia room identifying location of ceiling mounted AV equipment including projectors, motorized screens, speakers, microphones and other ceiling devices including sprinkler heads, lighting fixtures, sensors, vents, grilles.

(j) Nurse call drawings will include:

(i) Floor plans showing zoning, and locations and types of all devices, dome lights, panels and equipment to be installed as part of the nurse call system; and

(ii) Complete wiring details illustrating how each device will connect back to the main panels (including system integrations), and the cable type to be used for each connection.

(k) Shop Drawings

(i) The Design-Builder will provide shop drawings in accordance with Section 1.2(d).

(ii) In addition, provide shop drawing and bill-of-material data for all materials, including each system controller, cable, device and user peripherals for the items listed in Sections 1.2(d)(xiii)(VVVVVVV) through 1.2(d)(xiii)(LLLLLLLL).

(l) Operations and Maintenance Manuals

(i) The Design-Builder will provide operations and maintenance manuals as set out in Section. 1.1(j).and, in addition, include:

(A) 360 record photos of all Communications Rooms showing each wall and rack elevations with shop drawings embedded as metadata;

(B) Spreadsheets for horizontal cabling and fibre backbone. Refer to PHSA Communications Infrastructure Standards and Specifications;

(C) Manufacturer certification and test result printouts:

(1) Fire-stop design and Record Documentation as set out in PHSA Communications Infrastructure Standards and Specifications

(m) Record Documentation

(i) In addition to the Record Drawing package described in Section 1.2(f), the Design-Builder will include additional requirements as set out in the PHSA Communications Infrastructure Standards and Specifications.

1.9 Electronic Safety and Security System Design and Construction Documents

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Drawing Content						
Legends, drawing list, key plans	X	X	X	X	X	X
Location, Site - plans, and details	X	X	X	X	X	X
Security Systems Overall Floor plans (IP Video Surveillance, Access Control, Intercom, Intrusion Detection, and Fixed Duress).	-	X	X	X	X	X
Communications Room Layouts and Elevations	X	X	X	X	X	X
Infant protection system Floor plans / Reflected Ceiling Plans	-	X	X	X	X	X
Infant protection system Riser and System Diagrams	X	X	X	X	X	X
Patient wandering Floor Plans	-	X	X	X	X	X
Patient wandering Riser and System Diagrams	X	X	X	X	X	X
Fire Alarm Overall Reflected Ceiling Plans	X	X	X	X	X	X
IP Video Surveillance Riser and System Diagrams	X	X	X	X	X	X
IP Video Surveillance Camera FOV Floor plans	-	-	X	X	X	X
Access Control Riser and System Diagrams	X	X	X	X	X	X
Intercommunications Riser and System Diagrams	X	X	X	X	X	X
Intrusion Detection Riser and System Diagrams	X	X	X	X	X	X
Fixed Duress Riser and System Diagrams	X	X	X	X	X	X
Wireless Staff Duress Floor plans/Reflected Ceiling Plans	-	X	X	X	X	X
Wireless Staff Duress Riser and System Diagrams	X	X	X	X	X	X
Integration Engine narrative and integration diagrams and sequence of operations	-	-	-	X	X	X
Standard Operating Procedures narrative and scenario examples for each system in editable spreadsheet format	-	-	-	X	X	X
Bill of Materials Spreadsheet Tables						
Electronic Security (Division 28) All Systems	-	X	X	X	X	-

(a) Electronic Safety and Security (Division 28) drawings will be identified as “ESS” series drawings in the approved Construction drawings, separated from “E” (electrical) drawings. The ESS-series drawings at a minimum will include:

(i) Electronic Safety and Security Systems Design and Construction Drawings Table.

(b) Construction Drawings

(i) The Authority's Construction Standard Drawings (C-STD) and details can be referenced in PHSA Communications Infrastructure Standards and Specifications.

(ii) The drawings will use industry standard symbols and legends. Refer to PHSA Communications Infrastructure Standards and Specifications for the Authority-approved symbols.

(c) Floor Layouts and Site Plans will indicate:

(i) Locations, quantity and types of all devices, components and equipment required for the electronic security systems;

(ii) Security zoning (interior and exterior);

(iii) Locations, quantity and sizes of all cable tray, risers, junction boxes and pull boxes;

(iv) Location of head-end equipment and storage;

(v) Overall system riser wiring diagram identifying control units, circuits, terminations, terminal numbers, conductors and raceways;

(vi) Detailed elevation drawings of equipment installed in racks and cabinets. Elevation drawings will include vertical and horizontal wire managers, fiber and copper patch panels, hardware such as shelves and all active equipment regardless of the supplier;

(vii) Control layout, including interconnections between electronic security systems as well as the Authority's network; and

(viii) Typical electrified door hardware diagrams, indicating hardware devices, conduit, controllers, junction boxes and the responsibility of various trades to ensure operability.

(d) Schematic drawings will be provided for the following elements:

(i) Inter-building and intra-building connections of electronic security systems identifying quantity and sizes of conduits, trays and sleeves.

(e) Electronic Safety and Security Specifications Sections will include:

(i) Sections in sufficient detail to fully describe each material and each item of equipment to be used for each system, including manufacturers, materials, assembly, functions, features and performance requirements;

(ii) The method of installation, testing, Commissioning and documenting for each material, piece of equipment, system, and interface; and

(iii) Identification of the codes and Standards in accordance with which the materials, equipment and systems will be provided.

(f) Shop Drawings

(i) Design-Builder will provide shop drawings in accordance with Section 1.2(d).

(ii) Provide shop drawing and bill-of-material data for all materials including, each system controller, cable, device and user peripherals for items listed in Section 1.2(d)(xiii).

(g) Maintenance Manuals

(i) Design-Builder will provide maintenance manuals as outlined in Section 1.3(q).

(h) Record Documentation

(i) In addition to the Record Drawing package described in Section 1.2(f), the Design-Builder will include additional requirements as set out in the PHSA Communications Infrastructure Standards and Specifications.

1.10 Landscape Design and Construction Documents

Percentage Complete at Submittal Stages	30%	50%	70%	90%	100%	Record
Drawing Content						
Keyplan, Showing Overall Site Design	X	X	X	X	X	X
Layout Plans	X	X	X	X	X	X
Grading Plans	X	X	X	X	X	X
Planting Plans	-	X	X	X	X	X
Planting Plans with Utility Overlay	-	-	X	X	X	X
Planting Plans with Sun/Shade Overlay	-	X	X	X	X	X
Green Roof Plans	X	X	X	X	X	X
Irrigation Plans	-	X	X	X	X	X
Detail Enlargement Plans	-	X	X	X	X	X
Construction Details, Sections and Elevations	-	X	X	X	X	X
Site Furnishings Details, Catalog Sheets	-	X	X	X	X	X
Specifications						
Landscape Table of Contents	X	X	X	X	X	-
Landscape Site Grading	-	X	X	X	X	-
Softscape*	-	X	X	X	X	-
Hardscape, also Coordinate with other Disciplines	-	X	X	X	X	-
Irrigation	-	X	X	X	X	-
Site Furnishings	-	X	X	X	X	-
Landscape Maintenance Plan and Schedule	-	X	X	X	X	-
Sample Board/Presentation						
Update Conceptual Design Presentation Drawings	-	X	-	-	-	-
Colour Board(s) Illustrating Plant Material	-	X	-	-	X	-
Colour Board(s) Illustrating Hardscape and Site Furnishings	-	X	-	-	X	-

(a) Plans and Schedules will contain the following:

(i) Outline of the Facility showing all perimeter doors and windows;

(ii) Hardscape layout and surface treatment;

(iii) Soft landscape treatment (trees, hedges, planting beds, vines, lawn etc.), including vegetation within public road right-of-way;

(iv) Tree retention, removal, and replacement plan if applicable, showing preliminary civil Site grading Design;

(v) All landscape structures (fences, trellis, arbours, retaining walls, lighting etc.);

(vi) Location and size of all outdoor spaces and amenity areas;

(vii) Location of garbage enclosure and all other surface utility structures;

(viii) Preliminary grading information sufficient to determine ramps, special treatment or provisions for retaining elements;

(ix) A sun/shade study for the courtyards and outdoor spaces;

(x) A Design key plan at a 1:500 scale complete with enlargement plans of all courtyards, amenity areas and roof gardens;

(A) Garden and outdoor space enlargement plans; and

(B) A preliminary sign location plan, with draft message schedule of sign content and working scales sufficient to determine the suitability of the sign and its message.

(xi) Irrigation and planting Design. Standard details will be incorporated, with Site specific details underway;

(xii) Water conservation and irrigation plan prepared by a qualified professional inclusive of a hydro zone plan, landscape water conservation irrigation report (landscape water budget) and an irrigation Design;

(xiii) A preliminary plant list of trees, shrubs, perennials and ground covers including quantities, botanical and common names, planting sizes, and on centre spacing;

(xiv) Location and species of boulevard trees and preliminary Construction drawings;

(xv) Location, material and preliminary Construction details of all landscape elements and structures including garbage enclosure; and

(xvi) Location, material, graphic standards and preliminary Construction details of all exterior signage with revised schedule of sign content.

(xvii) Key Plan at 1:500 scale showing the overall Site Design Plan and integration with the streetscape;

(xviii) Separate enlargement plans will be at 1:100 or 1:200 scale including Layout Plans, Grading Plan, Planting Plans, and Irrigation Plans illustrating all exterior spaces and referenced to the key plan;

(xix) All landscape Construction plans will be sealed and signed by a Registered Landscape Architect with current membership in the British Columbia Society of Landscape Architects;

(xx) BCSLA landscape schedules by a Landscape Architect registered in British Columbia will be supplied as required at each stage of development;

(xxi) All drawings and supplemental material(s) for irrigation systems will be stamped and signed by a Certified Irrigation Designer (CID) - Commercial. This certification will be issued by the Irrigation Association (IA). The certified designer will be in good standing with the association;

(xxii) North arrow will be included;

(xxiii) Include the legal description and Site and property line zoning, including bearings and dimensions. If the Site has a municipal address, include it in the plan;

(xxiv) Include utility locations, legal easements, Rights-of-Way, etc.; and

(xxv) Include curb lines, sidewalks, utility poles, fences, and any other boundary conditions.

(b) Layout Plan[s] will be a separate plan and include the following:

(i) Outline the extents of all types of hard surface treatments and dimensions as required to facilitate Construction;

(ii) Reference all Construction details to Layout plans;

(iii) Layout Plans to include all exterior features of other disciplines such as lighting, retaining walls, signage, architectural columns and utility infrastructure components; and

(iv) Show the location of proposed structures and features.

(c) Planting Plan[s] will be a separate plan and include the following:

(i) Plans to outline all surface treatments including seed or sodded areas, groundcovers, extent and type of mulches or other surface treatments;

(ii) Outline erosion control treatment where required;

(iii) Major items associated with "Layout" but not including dimensions, i.e. walkways, roads, curbs, hard surface areas, other structures, natural areas;

(iv) Outline of planting beds, plant species and material with crowns at 2/3 maximum size;

(v) Proposed contours in soft landscape areas;

(vi) Utilities and rights-of-way; and

(vii) Include a plant list identifying species (botanical and common name), quantities, sizes, habit, spacing, and specific remarks as required.

(d) Grading Plan[s] will be a separate plan and include the following:

(i) A plan for each area is required to identify all gradients on pedestrian hard surface areas and landscape areas;

(ii) All retaining walls, constructed slopes, planters and structures will be clearly identified and referenced, complete with top and bottom elevations;

(iii) Surface drainage requirements and proposed elevations will be coordinated with other disciplines;

(iv) Major items associated with layout but not including dimensions, i.e. walkways, roads, curbs and other structures;

(v) Existing contours and proposed contours at 0.5 m contour intervals, and at 0.25m intervals in detail areas;

(vi) All hard surface slopes over 2%, by showing spot elevations at the top and bottom of each slope.

(vii) All grades in geodetic measure and tied to the nearest A.S.C.M. benchmark. A.S.C.M. benchmark number will be indicated on plan;

(viii) Elevations at each break point (top and toe of slope);

(ix) Label property lines and show spot elevations;

(x) Catch basin rim and invert elevations where required;

(xi) Manhole rim elevations;

(xii) Top of wall, top of curb, and finished floor elevations as required;

(xiii) Surrounding grade information affecting Site development;

(xiv) Label all concrete gutters and drainage structures; and

(xv) Show all trap lows with their 1:100 inundation area, emergency spill routes and other surface drainage requirements.

(e) Irrigation Plan[s] will include:

(i) Major items associated with Layout Plan (but not including dimensions), such as walkways, structures, fences, play fields, roads, curbs, and natural areas;

(ii) Toned back major items of “Planting” and “Grading” plans;

(iii) Proposed contours at 0.5 m intervals;

(iv) Locations of all lines, sprinkler heads, valves, drains, sleeves, electrical drop-offs, 100 volt wire, 110 volt conduit, and electrical controllers, dimensional from adjacent property lines.

(v) Ensure that the irrigation system is designed so that sprinkler heads do not spray on to hard surfacing or buildings;

(vi) Indicate whether the system will be trenched or “plowed in” and whether the system will be gravity drained, blown out, or a combination;

(vii) Coordinate water services with mechanical and ensure stub out is accessible to landscape areas. Lateral irrigation lines will be set back a minimum of 0.5 m from property lines;

(viii) Include a schedule of materials/products describing sizes, manufacturers and model numbers, pipe fitting method, performance standards, and sources of said materials/products. Approval of the list of materials/products is required prior to the placing of formal orders for them;

(ix) Ensure that the water window time period is justified by vandalism problems and horticultural requirements;

(x) Coordinate water service pipe size with mechanical and ensure it delivers sufficient service for this size Site and indicate static water pressure on the plan; and

(xi) Complete an Irrigation Scheduling Chart to ensure that the irrigation Design will function effectively within the practical water window.

(f) Construction Details will contain the following:

(i) Provide Construction details, sections and elevations of all exterior Site Design elements referenced to the appropriate enlargement plan;

(ii) Provide sections for Construction details of all planting and structures over a roof slab. Coordinate drainage with other disciplines;

(iii) Prepare sections to illustrate the landscape integration with all exterior structures;

(iv) Provide model number and cut sheet for all catalog items. Provide installation details for all elements; and

(v) Prepare a maintenance plan and one (1) year schedule outlining the levels of maintenance required to establish the proposed landscapes.

(g) Urban Design and Landscape Drawing Coordination

(i) To improve and inform the Site Design; coordinate the drawings with other disciplines at all Submittal stages. Coordination includes:

(A) Civil: Coordination on impacts to the Design for rainwater management requirements. Coordinate all planting and structures with the location of deep and shallow underground Utilities. Provide a drawing showing the overlay of all Utilities with the planting plans;

(B) Mechanical: Coordinate to ensure all landscape areas including roof areas have access to water for irrigation and maintenance. Coordinate drainage requirements for all exterior spaces including roof areas;

(C) Electrical: Coordinate all electrical requirements for all exterior spaces. Coordinate street lighting and Site lighting requirements;

(D) Structural: Coordinate requirements for all structures at grade and on roof slabs; and

(E) Wayfinding: Coordinate requirements and locations for all signage and Wayfinding elements.

(h) Operations and Maintenance Manuals

(i) The Design-Builder will provide operations and maintenance manuals as set out in Section 1.1(j).

(ii) Provide a maintenance plan and one-year schedule outlining the levels of maintenance required to establish the proposed landscapes.

(i) Shop Drawings

(i) The Design-Builder will provide shop drawings in accordance with Section 1.2(d).

1.11 LEED Documentation

(a) The 30% Phase Submittal will include:

(i) An annotated LEED project checklist indicating all of the credits targeted to be achieved, the responsible party who will sign and prepare the LEED documentation for each targeted credit, and a brief description of the Project approach to achieve the credit and any risks identified.

(ii) A narrative describing the integrative process outcomes related to the LEED prerequisite and credit associated with Integrative process (if this credit is pursued).

(iii) Documentation demonstrating alignment of the urban Design and landscape Design of the Project with sustainable design and LEED requirements.

(b) The 50% Phase Submittal will include an updated annotated LEED project checklist indicating all of the credits targeted to be achieved, the responsible party who will sign and prepare the LEED documentation for each targeted credit, and a brief description of the project approach to achieve the credit and any risks identified.

(c) The 90% Phase Submittal will include an updated annotated LEED project checklist indicating all of the credits targeted to be achieved, the responsible party who will sign and prepare the LEED documentation for each targeted credit, and a brief description of the project approach to achieve the credit and any risks identified.

(d) The 100% Phase Submittal will include:

(i) An updated annotated LEED project checklist indicating all of the credits targeted to be achieved, the responsible party who will sign and prepare the LEED documentation for each targeted credit, and a brief description of the project approach to achieve the credit and any risks identified.

(ii) A complete electronic copy of all submission documentation submitted for the Design Stage LEED review submitted to the LEED reviewer. In addition, provide a copy of the LEED review file as well as written description of the team's approach to address any items raised by the LEED reviewer.

(e) The Design-Builder will submit an electronic copy of all LEED certification submissions, including the final updated Project checklist, all supporting credit documentation, and copies of the LEED review file.

1.12 Energy

(a) Refer to Schedule 8 [Energy and Carbon Guarantee] for Submittal requirements associated with Energy Modelling.

1.13 Commissioning Documentation

(a) The 30% Phase Submittal will include:

(i) Owner's Project Requirements Review from the Commissioning Authority (CxA).

(ii) Basis of Design Review from the CxA.

(iii) Outline of the Commissioning Plan.

(iv) Project specific Commissioning responsibilities and responsible parties for each major Building System and sub-system in accordance with Appendix 1L [Commissioning Roles and Responsibilities].

(v) Confirmation that the CxA will provide oversight of the Commissioning of each of those Building Systems and sub systems from design phase to start-up testing, and functional testing.

(b) The 50% Phase Submittal will include:

(i) Commissioning review of the 50% design for all systems included in the Commissioning process;

(ii) Draft of the Division 1 Commissioning Specifications and confirmation that mechanical, electrical, and architectural Specifications have been reviewed for consistency with the Design-Builder's Commissioning requirements;

(iii) A draft of the Commissioning Plan; and

(iv) Sample verification checklists and test procedures.

(c) The 90% Phase Submittal will include:

(i) Commissioning review of the 90% design and construction documents for all systems included in the Commissioning process, including back-check of outstanding items from the 50% design and construction documents review;

(ii) Updated draft of the Commissioning Plan;

(iii) Updated verification checklists and test procedures;

(iv) Requirements for systems operations manuals; and

(v) Operational training requirements.

(d) The 100% Phase Submittal will include:

(i) Report from the CxA clarifying how all issues identified in the Commissioning design reviews have been resolved and the next steps for any remaining issues;

(ii) Updated Commissioning Plan that includes a Commissioning schedule identifying Commissioning milestones, precedent activities and durations of Commissioning tasks; and

(iii) Updated verification checklists and test procedures.

(e) Construction and Occupancy Phase Submittals

(i) Provide a copy of each CxA shop drawing review report within one week of report completion.

(ii) Provide regular updates of Commissioning schedule and advance notice of timing for all Commissioning meetings.

(iii) Provide regular updates to the Commissioning Plan based on actual equipment and approved control shop drawings and sequences of operation.

(iv) Provide pre-functional check sheets (drafts will be provided in advance of pre-functional checks and completed versions within 2 weeks of pre-functional checks being completed for individual equipment or systems).

(v) Provide installation check sheets (drafts will be provided in advance of installation checks and completed versions within 2 weeks of installation checks being completed for individual equipment or systems).

(vi) Provide start-up check sheets (drafts will be provided in advance of start-up checks and completed versions within 2 weeks of start-up checks being completed for individual equipment or systems).

(vii) Provide copies of functional and integrated test procedures in advance of functional and integrated testing for each system and provide completed functional and integrated test reporting within two (2) weeks of each system's completion.

(viii) Provide copies of Commissioning meeting minutes,

(ix) Provide regularly updated Commissioning issues logs and confirmation detailing how issues have been resolved.

(x) Provide Authority's training agendas for each system well in advance of planned training date.

(f) Fire Safety Plans

(i) The Design-Builder will retain a professional fire safety consultant. The professional fire safety consultant will provide fire safety plans and all related documentation as required by the Authorities Having Jurisdiction and coordinate in further consultation with the Authority to ensure such documentation meets all applicable Authority Standards for Fire Safety Plans and related documentation.

SCHEDULE 3

INSURANCE CONDITIONS

Without restricting the generality of the indemnification provisions in Section 58, insurance and coverage will be arranged and paid for as follows:

1. WRAP-UP LIABILITY INSURANCE

1.1 The Authority will provide, maintain and pay for Wrap-up Liability Insurance with a limit of inclusive per occurrence, general aggregate for bodily injury, death, and damage to property including loss of use thereof, product/completed operations liability with a limit of aggregate.

1.2 This insurance will cover the Authority, the Design-Builder and Subcontractors, architects, engineers, consultants and anyone employed by them to perform a part or parts of the Work (includes both Construction and Design services, but excludes all professional services, under this Agreement) but excluding suppliers whose only function is to supply and/or transport products to the project site or security protection persons or organizations providing site protection on or at the insured project. The insurance does not extend to any activities, works, jobs or undertakings of the insureds other than those directly related to the Work of this Agreement. The insurance does not extend to any liability arising in relation to any workforce camp or worker accommodation or any related services.

1.3 The insurance will preclude subrogation claims by the insurer against anyone insured hereunder except for claims arising out of the rendering of professional services from any architect, engineer, surveyor or other professional design consultants.

1.4 The insurance will include coverage for:

(a) Products or Completed Operations Liability (twenty-four (24) months);

(b) Blanket Contractual Liability;

(c) Cross Liability (or Severability of Interests);

(d) Contingent Employer's Liability;

(e) Personal Injury Liability;

(f) Shoring, Blasting, Excavating, Underpinning, Demolition, Piledriving and Caisson Work, Work Below Ground Surface, and Grading, as applicable (details of such parts of the Work must be reported by the Design-Builder to the insurer);

(g) Liability with respect to Non-Owned Licensed Vehicles (no less than

(h) Broad Form Property Damage;

(i) Limited Pollution Liability

(j) Employees as Additional Insureds;

(k) Broad Form Tenants Legal Liability

(l) Operation of Attached Machinery; and

(m) Forest Fire Fighting Expenses

1.5 Any applicable deductibles will not exceed per occurrence except for completed operations, to which a deductible not exceeding will apply.

1.6 This insurance will be maintained continuously from commencement of the physical Construction at the Site until Substantial Completion of the Project, plus cover completed operations for a further period of

1.7 If the Project involves hot roofing work for renovations or existing structures, the Design Builder will take out and maintain in force, or will cause to be taken out and maintained, commercial general liability insurance which will include the following:

(a) coverage in an amount not less than inclusive per occurrence and in the aggregate against bodily injury, personal injury and property damage and including liability assumed under this Agreement;

(b) include the Authority as an additional insured;

(c) be endorsed to provide the Authority with advance written notice of adverse material change or cancellation;

(d) include a cross liability clause; and

(e) this policy will be treated as primary coverage and the Authority's Wrap-Up Liability Insurance will be treated as excess coverage. This insurance shall be maintained continuously from commencement of hot roofing work until such work is completed.

2. PROFESSIONAL LIABILITY INSURANCE

2.1 The Design-Builder or the Design-Builder's Consultant during the term of this Agreement will provide and maintain continuously from the commencement of the Work, until 2 (two) years after Substantial Completion of the Project, the following insurance which will be placed with such company or companies and in such form and amounts and with such deductibles as may be acceptable to the Authority:

(a) Project Specific Professional Errors and Omissions Liability Insurance protecting the Design-Builder or the Design-Builder's Consultant, sub-consultant(s) and their respective servant(s), agent(s) or employee(s) against any loss or damage arising out of the Design under this Agreement. Such insurance will be for the adequate amount acceptable to the Authority and will in any event be not less than per claim and with a limit of aggregate, such limits to be dedicated specifically to the Project.

(b) Any applicable deductibles will not exceed

(c) This insurance will be endorsed to provide the Authority with advance written notice of cancellation.

3. PROPERTY COVERAGE INSURANCE

3.1 The Authority will provide, maintain and pay for Course of Construction coverage, against "All Risks" of direct physical loss or damage including flood and earthquake, and will cover all materials, property, structures and equipment purchased for, entering into, or forming part of the Work whilst located anywhere on Site during construction, erection, installation and testing, but such coverage will not include coverage for Design-Builder's and Subcontractors' equipment of any description. Such coverage will be maintained from the commencement of physical Construction at the Site until Substantial Completion of the Project. No coverage will be provided for any workforce camp or worker accommodation.

3.1.1 Deductibles, per occurrence, not exceeding the following amounts and if more than one deductible applies, the highest one will apply:

(a) For floods,

(b) For water damage and sewer back up,

(c) Design Error, DE5 or equivalent, deductible;

(d) For earthquakes, the greater of

(e) For testing and commissioning, and

(f) For all other insured perils,

3.1.2 Waiting period deductible per occurrence not exceeding the following amounts to be applied separately from any property deductible:

(a) For soft costs, a one (1) day waiting period for each month of the Project duration, subject to a minimum waiting period of and a minimum

3.2 The coverage will include as a protected entity, each Design-Builder, Subcontractor, Architect or Engineer who is engaged in the Project.

3.3 The coverage will contain a waiver of the Authority's rights of subrogation against all protected entities except where a loss is deemed to have been caused by or resulting from any error in design or any other professional error or omission, or manufacturers (not employees of the insured).

3.4 The Design-Builder will, at his own expense, take special precaution to prevent fires occurring in or about the Work and will observe, and comply with, all insurance policy warranties and all laws and regulations in force respecting fires.

4. AUTOMOBILE LIABILITY INSURANCE

4.1 The Design-Builder will provide, maintain and pay for, and require all Subcontractors to provide, maintain and pay for Automobile Liability Insurance in respect of all owned or leased vehicles, subject to limits of not less than inclusive per occurrence. The insurance will be placed with such company or companies and in such form and deductibles as may be acceptable to Authority.

5. AIRCRAFT AND/OR WATERCRAFT LIABILITY INSURANCE

5.1 The Design-Builder will provide, maintain and pay for liability insurance with respect to owned or non-owned aircraft (including unmanned aerial vehicles, uncrewed aerial vehicles or drones) and watercraft if used directly or indirectly in the performance of the Work, subject to limits of not less than inclusive per occurrence for bodily injury, death, and damage to property including loss of use thereof and including Aircraft Passenger Hazard where applicable. The insurance will name the Authority as an additional insured, include a cross liability clause, be endorsed to provide the Authority with advance written notice of cancellation and be placed with such company or companies and in such form and deductibles as may be acceptable to Authority.

5.2 The Design-Builder will provide, maintain and pay for marine cargo insurance covering all materials, equipment and other property supplied under or used during the project and which are critical to performance of the Work if such materials, equipment and other property are conveyed by ocean marine transport. The insurance will include the following terms:

(a) coverage in an amount not less than the full replacement value of the shipment;

(b) coverage for the Design-Builder and all Subcontractors;

(c) include the Authority as an additional named insured;

(d) subject to the conditions of the Institute Cargo Clauses (All Risks), including war and strikes extensions, and including transit and storage where applicable;

(e) if an entire vessel is chartered for shipping materials, equipment or property then charterer's liability insurance will also be provided in amounts sufficient to protect and indemnify the Authority, Design-Builder and all Subcontractors from and against all liability arising out of the chartering of such vessel; and

(f) a deductible not exceeding per occurrence.

6. CONTRACTORS POLLUTION LIABILITY INSURANCE

6.1 When applicable, the Design-Builder (or Design-Builder's Subcontractors) will be required to provide, maintain and pay for:

(a) Contractors Pollution Liability insurance, where the Design-Builder's performance (or Design-Builder's Subcontractor's performance) of the work is associated with hazardous materials clean up, removal and or containment, transit or disposal. This insurance must have a limit of liability not less than inclusive per occurrence insuring against bodily injury, death, and damage to property including loss of use thereof.

Any insurance required under this Section 6 must name the Authority as an additional insured, but only with respect to liability arising out of the Design-Builder's performance of the Work. Such insurance will not be impaired by any time element limitations, biological contaminants (without limitation, mould and bacteria), asbestos, or lead-based paint exclusions. Any "Insured versus Insured" exclusion shall not prejudice coverage for the Authority and shall not affect the Authority's ability to bring suit against the Design-Builder as a third party.

6.2 Any insurance required under this Section 6 must be endorsed to provide the Authority with 30 days' advance written notice of cancellation. If any such insurance is provided on a claims-made basis and that insurance is cancelled or not renewed, such policy must provide a extended reporting period.

6.3 The Design-Builder must cause all Subcontractors to provide to the Authority a Certificate of Insurance confirming all policies and endorsements necessary to comply with the insurance requirements outlined herein, or upon request, a certified copy of the required insurance policy.

7. COMMERCIAL GENERAL LIABILITY INSURANCE

7.1 Upon Substantial Completion of the Project, the Design Builder will take out and maintain in force, or will cause to be taken out and maintained, Commercial General Liability insurance in an amount not less than inclusive per occurrence and in the aggregate against bodily injury, personal injury and property damage and including liability assumed under this Agreement. This insurance must:

(a) include the Authority as an additional insured;

(b) be endorsed to provide the Authority with advance written notice of adverse material change or cancellation; and

(c) include a cross liability clause.

The above coverage is also required during the period between the Effective Date and the commencement of physical Construction at the Site and during any other period, if any, the Wrap up Liability Insurance is not in force under Section 1 of this Schedule 3.

8. HCPP PROPERTY COVERAGE

8.1 From commencement of the Work until Substantial Completion, the Authority may take out and maintain in force, or may cause to be taken out and maintained in force, under the Health Care Protection Program (the "**HCPP**"), insurance covering medical, diagnostic and imaging equipment purchased for, entering into and forming part of the Work, that is not otherwise covered by the Course of Construction policy described in Section 3 of this Schedule 3, and such policy:

(a) will be made available to the Design-Builder by HCPP and HCPP's obligations under such policy will be supported by an indemnity from the Province of British Columbia in favour of HCPP;

(b) will provide insurance coverage comparable to or better than the coverage required for such equipment under the Course of Construction policy as described in Section 3 of this Schedule 3;

(c) will satisfy the requirements set out in Section 9 of this Schedule 3; and

(d) will be on terms comparable to or better than those offered by insurers licensed in British Columbia.

9. GENERAL

9.1 The description of the Authority arranged insurance described herein is provided on a summary basis only and is not a statement of the actual policy terms and conditions. The Authority does not represent or warrant that the Authority arranged insurance contains insurance for any and all losses. It is the Design-Builder's responsibility to ascertain the exact nature and extent of coverage provided by the Authority arranged insurance, to review all policies pertaining thereto and to obtain any other insurance that it may be prudent for the Design-Builder to obtain.

9.2 The Design-Builder will also provide, maintain and pay for any other insurance that the Design-Builder is required by law to carry, or which the Design-Builder considers necessary.

9.3 Unless specified otherwise, the duration of each coverage and insurance policy will be from the date of commencement of the Work until the date of final certificate for payment.

9.4 The Authority will, upon request, provide the Design-Builder with proof of insurance of those coverages and insurances required to be provided by the Authority prior to commencement of the Work and subsequent certified copy of policies within a reasonable time period thereafter.

9.5 The Design-Builder and/or its Subcontractors, the Design-Builder's Consultants and sub-consultants as may be applicable, will be responsible for any deductible amounts under the policies of coverage and insurance except for perils of flood and earthquake.

9.6 The Design-Builder will provide the Authority with proof of insurance for those insurances required to be provided by the Design-Builder (or Design-Builder's Consultant) prior to the commencement of the Work in the form of a completed Certificate of Insurance and will also provide a certified copy of any required policies upon request.

9.7 The Authority will not be responsible for injury to the Design-Builder's employees or for loss or damage to the Design-Builder's or to the Design-Builder's employees' machinery, equipment, tools or supplies which may be temporarily used or stored in, on or about the premises during construction and which may, from time to time, or at the termination of this Agreement, be removed from the premises. The Design-Builder hereby waives all rights of recourse against the Authority with regard to damage to the Design-Builder's property.

9.8 If the Design-Builder fails to provide, maintain and pay for insurance as required by this schedule, other than automobile liability insurance, the Authority may obtain and pay for the required insurance, the cost of which will be payable on demand by the Design-Builder. The Authority may offset such amounts from any monies due to the Design-Builder if not paid within 15 days.

SCHEDULE 4

COMMUNICATION ROLES

The Authority and the Design-Builder will share responsibilities for communications, including community relations, stakeholder consultation, media relations and emergency communications on the terms set out in this Schedule.

1. GENERAL

1.1 The Design-Builder will be guided by the Authority's best practices regarding communications. Unless otherwise specified by the Authority, the governing document relating to best practices will be the disclosure guidance document entitled "Procurement Related Disclosure for Major Infrastructure Projects" posted at www.infrastructurebc.com.

1.2 The Design-Builder will consult and cooperate with the Authority regarding communications activities relating to the Project. The Design-Builder will not communicate with the media about the Project without the prior written approval by the Authority, which approval will be provided in the Authority's sole discretion on a case-by-case basis for each specific instance of communication.

1.3 The desired outcome of communications activities is to inform and involve the public and other stakeholders about the progress, value and benefits of the Project and to develop and maintain support for the Project.

1.4 Communications strategies and plans involving the interests of both parties are to be prepared on a joint basis, with one party taking a lead role and the other a supporting role, as described in this Schedule.

1.5 Where communications strategies and plans involve the interests of both parties, each party will give the other a reasonable opportunity (taking into account the need for timely communications) to consider communications strategies and plans initiated by the other and, if information is supplied by a party, it should include or be accompanied by sufficient explanatory or other material to enable the information to be properly considered.

1.6 The Design-Builder will consider and, acting reasonably, take into account, public and other stakeholder input in regard to its plans for the Design and Construction.

1.7 This Schedule is a guideline and may be amended by mutual agreement. Non-compliance with this Schedule by either party will not constitute a breach of this Agreement.

1.8 No communication regarding the subject matter of a Dispute, including one resolved under Section 63 (Dispute Resolution) of the Agreement, will be made without the prior written consent of the Authority or the Design-Builder, as the case may be, unless otherwise ordered under the Dispute resolution procedure.

1.9 The Design-Builder acknowledges that FIPPA applies to the Authority, that nothing in this Schedule limits any requirements for compliance with FIPPA and that the Authority may be required to make disclosure of information under FIPPA.

1.10 The Design-Builder acknowledges that the Authority will be free to disclose (including on websites) this Agreement and any and all terms hereof, except for those portions that would not be

required to be disclosed under FIPPA. The Authority will consult with the Design-Builder prior to such disclosure.

1.11 Except for Section 1.10, this Schedule is subject to the parties' obligations in respect of Confidential Information pursuant to Section 66 of this Agreement.

2. CATEGORIES OF COMMUNICATIONS

The following categories of communications are covered by this Schedule and each category applies during the Construction period:

(a) Communications Planning: the Design-Builder will be provided with a copy of parts of the Project Communications Plan prepared by the Authority and applicable to this Project and will support the implementation of the strategies and activities listed in it;

(b) Community Relations: keeping all key audiences including external and internal Project stakeholders (as identified in communications plans) informed, including providing overall Project information, including information about schedule, design, construction (including traffic management), facilities management and other services, using any and all appropriate communications tools and tactics;

(c) Consultation: engaging in discussions with Project stakeholders;

(d) Media Relations: providing media with Project updates and responding to issues raised by the media; and

(e) Emergency Communications: preparing and implementing crisis communications planning and preparedness.

3. LEAD AND SUPPORTING ROLES

3.1 Within each category of communications set out in Section 2 of this Schedule, the Design-Builder will play either a lead or supporting role, working with the Authority to achieve the desired communications outcomes.

3.2 For all categories of communication, and whether communication occurs as part of a lead or supporting role, no advertising that involves payment, by the Design-Builder, to a third party may include the Authority or the Project unless the Design-Builder obtains the prior consent of the Authority, not to be unreasonably withheld or delayed.

4. LEAD RESPONSIBILITIES

The following is an overview of the responsibilities associated with lead roles:

(a) developing an overall strategic communications plan for the Project, that includes plans for communications, community relations, consultation, media relations and emergency communications;

(b) having regard for the input of the supporting party, approving communication plans and tactics in response to specific circumstances, unless otherwise indicated in this Schedule;

(c) implementing its role in approved plans;

(d) achieving the outcomes set out in the strategic communication plan;

(e) maintaining constructive and positive relationships with the public and other stakeholders;

(f) providing information, as required by the supporting party and its team members, to support communication and consultation activities;

(g) as relevant to its lead role, organizing, attending and participating in community and other stakeholder consultation meetings and carrying out other communication activities to consult with and report back to the community and other stakeholders, including open houses, information updates, public displays, advertising, website creation, maintenance updates, construction notices, milestone celebration events, news releases and tours, and directing inquiries to the supporting party as appropriate;

(h) assuming responsibility for costs related to carrying out lead responsibilities to a standard acceptable to the Authority, in the amounts and in the manner approved by the Authority;

(i) monitoring whether the Design and Construction are conducted in a manner consistent with strategic communication plans and advising the parties of any material inconsistency; and

(j) having a trained media relations spokesperson available 24/7 to respond to media requests.

5. SUPPORTING RESPONSIBILITIES

The following is an overview of the responsibilities associated with supporting roles:

(a) assisting with the implementation of plans, including drafting of other communication documents, as directed by the lead party;

(b) implementing its role in approved plans;

(c) maintaining constructive and positive relationships with the public and other stakeholders;

(d) providing information, as required by the lead party and its team members, to support communication and consultation activities;

(e) as relevant to its supporting role, organizing, attending and participating in community and other stakeholder consultation meetings and carrying out other communication activities to consult with and report back to the community and other stakeholders, including open houses, information updates, public displays, advertising, website creation, maintenance updates, construction notices, milestone celebration events, news releases and tours, and directing inquiries to the lead party as appropriate;

(f) assuming responsibility for costs related to carrying out supporting responsibilities to a standard acceptable to the Authority, in amounts and in a manner approved by the Authority; and

(g) having a local, trained media relations spokesperson available 24/7 to respond to media requests.

6. ALLOCATION OF LEAD AND SUPPORTING ROLES

The lead and supporting roles will be allocated as set out in the following table, unless otherwise required by the Authority in consultation with the Design-Builder:

CATEGORY	LEAD	SUPPORTING
Communications Planning	Authority	Design-Builder
Community Relations	Authority	Design-Builder
Consultation	Authority	Design-Builder
Media Relations	Authority	Design-Builder
Emergency Communications Relating to existing Authority employees, programs, services and facilities and Design-Builder performance	Authority	Design-Builder
Emergency Communications related to Design-Builder Site health and safety	Design-Builder	Authority
Construction	Authority	Design-Builder
Moves	Authority	Design-Builder
Traffic	Authority	Design-Builder
Noise	Authority	Design-Builder

7. AUTHORITY RIGHT TO STEP IN AT DESIGN-BUILDER'S COST

If the Design-Builder is required to take a lead role but fails to comply with its obligations under this Schedule in any material respect, the Authority may give reasonable notice to the Design-Builder that it intends to undertake and assume the lead role obligations of the Design-Builder as allocated in this Schedule, at the expense of the Design-Builder, including all direct costs of engaging third party assistance with communication responsibilities and all direct costs of the Authority in connection with fulfilling the Design-Builder's obligations under this Schedule.

SCHEDULE 5

KEY INDIVIDUALS

Individual's Name	Address	Role	Duties
	700 – 700 Pender Street Vancouver, BC V6C 1G8	Design-Build Director	Represents the Design-Builder and has overall responsibility to design and build the Project.
	700 – 700 Pender Street Vancouver, BC V6C 1G8	Design-Build Design Manager	Representative in charge of oversight of the design-build design team, including managing design quality, including managing design quality.
	300 – 175 2 Avenue Kamloops, BC V2C 5W1	Lead Architect	Responsible for leading the design of the Project.
	700 – 700 Pender Street Vancouver, BC V6C 1G8	Design-Build Construction Manager	Responsible for leading the construction of the Project, including the oversight of the construction process and construction activities on the Site, and conducting constructability reviews through the Project's design development process.
	400 - 1820 Hamilton Street Regina, SK S4P 2B8	Clinical Lead/Planner	Responsible for leading the clinical planning during the procurement, design and construction phases of the Project.
	1100-111 Dunsmuir Street Vancouver, BC V6B 6A3	IMIT Lead	Responsible for leading the deployment of IMIT infrastructure through design, construction equipment fit out and commissioning and integration with other systems of the Project.

1100-111 Dunsmuir Street Vancouver, BC V6B 6A3	Electrical Engineer Lead	Responsible for leading the electrical design of the Project.
300 – 801 South Figueroa Street Los Angeles, CA US 90017-3007	Equipment Lead	Responsible for leading the equipment planning and procurement for the Project
400 - 655 Tyee Road Victoria, BC V9A 6X5	Mechanical Engineer Lead	Responsible for leading the mechanical design of the Project.
10840 – 27 Street SE Calgary, AB T2Z 3R6	Quality Manager	Responsible for the overall quality of the design and construction of the Project.
1100-111 Dunsmuir Street Vancouver, BC V6B 6A3	Design-Build Site Superintendent	Responsible for supervising and managing construction activities at Site within the established design, budget and scheduling guidelines. This may include planning and scheduling, organizing, directing and controlling day-to-day construction activities on the Site.

SCHEDULE 6

SCHEDULE OF PRICES

The Contract Price represents the entire compensation to the Design-Builder by the Authority for any and all costs related to the Work, including but not limited to all fees, cash allowances, contingencies and all duties and taxes, excluding GST payable by the Authority to the Design-Builder.

The attached schedule is a breakdown of the Contract Price solely for the purpose of assisting the parties to develop the Schedule of Values, and will not be used or relied upon by the Design-Builder for any purpose.

Paid under the DEWA	
Month 1	
Month 2	
Month 3	
Month 4	
Month 5	
Month 6	
Month 7	
Month 8	
Month 9	
Month 10	
Month 11	
Month 12	
Month 13	
Month 14	
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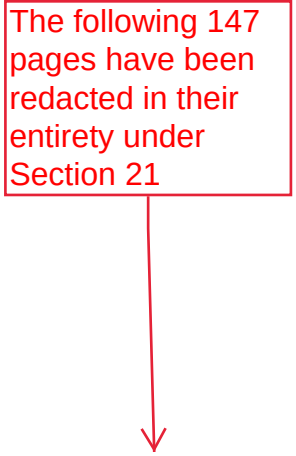
Month 30	
Month 31	
Month 32	
Month 33	
Month 34	
Month 35	
Month 36	
Month 37	
Month 38	
Month 39	
Month 40	
Contract Price	**$ 245,802,655**


The following 147 pages have been redacted in their entirety under Section 21

SCHEDULE 8

ENERGY AND CARBON GUARANTEE

1. INTERPRETATION

1.1. Definitions

In this Schedule, in addition to the definitions set out in Section 1 of this Agreement:

"**Approved Building Performance Professional**" means an individual who is (i) registered as a Professional Engineer (P.Eng) with Engineers and Geoscientists BC (EGBC) or as Architect with the Architectural Institute of British Columbia (AIBC) and can serve as Professional of Record taking responsibility for the energy model, and (ii) has experience with IES VE and/or EnergyPlus (energy modelling software) or equivalent as approved by the Authority for the purpose of the Project;

"**Carbon Emissions**" for a period means the total amount of carbon equivalent greenhouse gas emissions associated with Energy Consumption during that period, expressed in metric tonnes of equivalent carbon dioxide (tCO2e) and calculated using the following formula:

$$tCO_2e = \left(Elec_C \times 0.011\ \frac{tCO_2e}{MWh}\right) + \left(NG_C \times 0.180 \frac{tCO_2e}{MWh}\right) + \left(HW_C \times 0.224 \frac{tCO_2e}{MWh}\right) + \left(CHW_C \times 0.002 \frac{tCO_2e}{MWh}\right) + \left(Stm_C \times 0.256 \frac{tCO_2e}{MWh}\right)$$

where,

$$Elec_C = Electricity\ Consumption\ [MWh]$$

$$NG_C = Natural\ Gas\ Consumption\ [MWh]$$

$$HW_C = Hot\ Water\ Consumption\ Consumption\ [MWh]$$

$$CHW_C = Chilled\ Water\ Consumption\ [MWh]$$

$$Stm_C = Steam\ Consumption\ [MWh]$$

"**Carbon Guarantee**" has the meaning given in Section 3.1 of this Schedule;

"**Carbon Target**" means

"**Energy**" means all energy consumed, including electrical energy, fossil fuels, biofuels and thermal energy used within, by or for the Facility, including electrical and thermal energy used within, by or for exterior elements connected to the Facility's electrical and thermal systems;

"**Energy Consumption**" for a period means the total amount of Energy consumed during that period, expressed in MWh as reflected by the readings for the metered utilities, whether or not directly from utility providers, and as calibrated by the Design-Builder;

"**Energy Guarantee**" has the meaning given in Section 2.1 of this Schedule;

"**Energy Model**" means the hourly energy simulation model and simulation produced using whole building energy modelling software (IES VE, EnergyPlus or equivalent as approved by the Authority). The energy model created with IES VE, EnergyPlus or other approved software shall follow the energy methodology appendix. The results of the simulations are used to calculate the expected Energy Consumption, the expected Carbon Emissions and the expected operating cost based on the assumptions in Appendix 1;

"**Energy Model Report**" means the report described in Section 1.4 of Appendix 1 of Schedule 8;

"**Energy Target**" means

"**EUI**" means the energy use index expressed in kWh/m^2/year for end use divided by modelled floor area;

"**Independent Energy Consultant**" means a consulting firm that includes a team of specialized consultants with expertise in the following areas: energy modeling, healthcare design, building HVAC controls and commissioning;

"**Megawatt hour**" or "**MWh**" is the unit of energy to be used throughout this Schedule and 1 MWh is equivalent to 3.6 GJ;

"**Project Credits**" means any incentive, income, credit, rebate, right, benefit or advantage provided by a governmental authority or industry group relating to energy, design, materials or environmental matters, including means of production of energy, input sources, use of products or materials, efficiencies, type and level of emissions, and compliance with any energy or environmental laws, regulations, rules or orders;

"**Renewable Energy**" means energy generated from renewable resources such as solar power or wind power; and

"**Weather Data**" means the actual historic weather data obtained from Environment Canada's "National Climate Data and Information Archive" including but not limited to daily temperature in TMY or CWEC format.

2. ENERGY GUARANTEE

2.1. Meet or Beat Energy Target

The Design-Builder warrants to the Authority that the Facility will be designed and constructed so that the Energy Consumption per year will not exceed the Energy Target (the "**Energy Guarantee**").

2.2. Energy Guarantee During Construction Period

The Design-Builder warrants to the Authority that at all times during Construction the Design-Builder will be able to demonstrate that the Facility will achieve the Energy Guarantee and that, as a condition of achieving Substantial Completion, the Design-Builder will demonstrate that the Facility will achieve the Energy Guarantee.

2.3. Energy Guarantee Submittals

The Design-Builder will, with each Submittal under the Review Procedure, identify any issues that could potentially impact the Design-Builder's ability to achieve the Energy Guarantee, including any issues that impact the assumptions set out in Appendix 1. The Authority will review any such issues and will consider, acting reasonably, whether any changes to the Energy Target should be made by amendment pursuant to

Section 74.10 of the Agreement. If the Design-Builder does not identify an issue with a Submittal, the Authority will not be required to consider the issue if it is later raised by the Design-Builder and was known, or ought to have been known, by the Design-Builder at the time of the original Submittal.

At each of the 30%, 50%, 70%, 90% and 100% Design stages and together with the application for the Certificate of Substantial Completion, or at any other point in time where the Authority requests, acting reasonably, the Design-Builder will provide an updated Energy Model prepared by the Approved Building Performance Professional that demonstrates that the Energy Guarantee will be met.

If the Design-Builder at any time prior to Substantial Completion fails to demonstrate that the Energy Guarantee will be met, the Design-Builder will:

(a) revise the Design and re-submit the reviewed Drawings and Specifications, together with an updated Energy Model prepared by the Approved Building Performance Professional demonstrating the Energy Guarantee will be met, to the Authority for review under the Review Procedure; and

(b) modify the Work as required so that it complies with the revised Drawings and Specifications once they receive a "reviewed" comment under the Review Procedure.

The Authority will not be required to make any payment for any Design or Construction that fails to comply with, or will cause the Design-Builder to fail to comply with, the Energy Guarantee. The Independent Certifier will assess any such Design and Construction and determine the amount of a holdback to be retained by the Authority which will equal the estimated cost to correct such Design and Construction. The holdback will be retained by the Authority until the Design and Construction is modified to comply with the revised reviewed Drawings and Specifications that demonstrate that the Energy Guarantee will be met, as determined by the Independent Certifier.

2.4. **Approved Building Performance Professional and Independent Energy Consultant**

The Design-Builder will retain the Approved Building Performance Professional and will ensure that the Approved Building Performance Professional will:

(a) review the Energy Model updates and confirm that the Energy Guarantee will be met;

(b) ensure the Energy Model is updated on an-ongoing basis with each Submittal and notify the Design-Builder and the Authority of changes to the proposed Facility energy performance resulting from the Submittals; and

(c) provide updates relating to the proposed Facility's Energy Consumption to the Authority at regular intervals as reasonably required by the Authority, until it is demonstrated that the Design and Construction meets the Energy Guarantee as determined by the Independent Certifier.

The Authority reserves the right to require the Design-Builder to retain an Independent Energy Consultant acceptable to the Authority, acting reasonably, to review the Energy Model updates and confirm that the Energy Guarantee will be met. Such an Independent Energy Consultant will be jointly retained by Design-Builder and the Authority, at Design-Builder's cost.

2.5. **Energy Guarantee After Substantial Completion**

Notwithstanding any other provision of this Agreement, the Design-Builder:

(a) does not warrant that after Substantial Completion either the Energy Guarantee will be met or the actual Energy Consumption per year for the Facility will not exceed the Energy Target; and

(b) will not be liable under this Section 2 if after Substantial Completion either the Energy Guarantee is not met or the actual Energy Consumption per year for the Facility exceeds the Energy Target.

3. CARBON GUARANTEE

3.1. **Meet or Beat Carbon Target**

The Design-Builder warrants to the Authority that the Facility will be designed and constructed so that the Carbon Emissions per year will not exceed the Carbon Target (the "**Carbon Guarantee**").

3.2. **Carbon Guarantee During Construction Period**

The Design-Builder warrants to the Authority that at all times during Construction the Design-Builder will be able to demonstrate that the Facility will achieve the Carbon Guarantee and that, as a condition of achieving Substantial Completion, the Design-Builder will demonstrate that the Facility will achieve the Carbon Guarantee.

3.3. **Carbon Guarantee Submittals**

The Design-Builder will, with each Submittal under the Review Procedure, identify any issues that could potentially impact the Design-Builder's ability to achieve the Carbon Guarantee, including any issues that impact the assumptions set out in Appendix 1. The Authority will review any such issues and will consider, acting reasonably, whether any changes to the Carbon Target should be made by amendment pursuant to Section 74.10 of the Agreement. If the Design-Builder does not identify an issue with a Submittal, the Authority will not be required to consider the issue if it is later raised by the Design-Builder and was known, or ought to have been known, by the Design-Builder at the time of the original Submittal.

At each of the 30%, 50%, 70%, 90% and 100% Design stages and together with the application for the Certificate of Substantial Completion, or at any other point in time where the Authority requests, acting reasonably, the Design-Builder will provide an updated Energy Model prepared by the Approved Building Performance Professional that demonstrates that the Carbon Guarantee will be met.

If the Design-Builder at any time prior to Substantial Completion fails to demonstrate that the Carbon Guarantee will be met, the Design-Builder will:

(c) revise the Design and re-submit the reviewed Drawings and Specifications, together with an updated Energy Model prepared by the Approved Building Performance Professional demonstrating the Carbon Guarantee will be met, to the Authority for review under the Review Procedure; and

(d) modify the Work as required so that it complies with the revised Drawings and Specifications once they receive a "reviewed" comment under the Review Procedure.

The Authority will not be required to make any payment for any Design or Construction that fails to comply with, or will cause the Design-Builder to fail to comply with, the Carbon Guarantee. The Independent Certifier will assess any such Design and Construction and determine the amount of a holdback to be retained by the Authority which will equal the estimated cost to correct such Design and Construction. The holdback will be retained by the Authority until the Design and Construction is modified to comply with the revised reviewed Drawings and Specifications that demonstrate that the Carbon Guarantee will be met, as determined by the Independent Certifier.

3.4. **Approved Building Performance Professional and Independent Energy Consultant**

The Design-Builder will retain the Approved Building Performance Professional and will ensure that the Approved Building Performance Professional will:

(d) review the Energy Model updates and confirm that the Carbon Guarantee will be met;

(e) ensure the Energy Model is updated on an-ongoing basis with each Submittal and notify the Design-Builder and the Authority of changes to the proposed Facility carbon performance resulting from the Submittals; and

(f) provide updates relating to the proposed Facility's Carbon Consumption to the Authority at regular intervals as reasonably required by the Authority, until it is demonstrated that the Design and Construction meets the Carbon Guarantee as determined by the Independent Certifier.

The Authority reserves the right to require the Design-Builder to retain an Independent Energy Consultant acceptable to the Authority, acting reasonably, to review the Energy Model updates and confirm that the Carbon Guarantee will be met. Such an Independent Energy Consultant will be jointly retained by Design-Builder and the Authority, at Design-Builder's cost.

3.5. **Carbon Guarantee After Substantial Completion**

Notwithstanding any other provision of this Agreement, the Design-Builder:

(a) does not warrant that after Substantial Completion either the Carbon Guarantee will be met or the actual Carbon Emissions per year for the Facility will not exceed the Caron Target; and

(b) will not be liable this Section 3 if after Substantial Completion either the Carbon Guarantee is not met or the actual Carbon Emissions per year for the Facility exceed the Carbon Target.

4. PROJECT CREDITS

4.1. **Entitlement to Projects Credits**

Without limiting Section 11 or Section 12 of the Agreement, the Authority will be entitled to any and all Project Credits related to the Facility and its operation and the Design-Builder will use commercially

reasonable efforts to assist the Authority in achieving the maximum Project Credits available with respect to the Facility.

APPENDIX 1 OF SCHEDULE 8

1. ENERGY MODELING METHODOLOGY AND ASSUMPTIONS

The intent of this appendix and associated appended tables is to provide clarity regarding modeling methodologies and assumptions, especially related to Authority-controlled variables.

1.1. General

(a) The Design-Builder shall apply the modeling assumptions and methodologies outlined in this appendix for all energy models and supporting documentation submitted in relation to the Design and Construction Energy Target. In the Energy Model Report, the Design-Builder will include detailed information on the energy model inputs for system operations and controls.

(b) The methodology for producing an Energy Model as described in this appendix shall take precedence over LEED, ASHRAE 90.1-2010 Appendix G Rating Method, NECB Performance Compliance or other protocols. Where not specified herein, follow modelling procedures in accordance with protocols of LEED and ASHRAE 90.1-2010 Appendix G Performance Rating Method.

(c) A 'baseline' or 'reference' building simulation is not required for the Energy Target.

(d) Compliance with the Energy Target provisions of Schedule 8 is required regardless of simulation and calculation tools, or techniques employed by the Design-Builder.

(e) Referenced tables are included at the end of the appendix.

1.2. Terminology

(a) Modelled Floor Area (MFA)

1) The total enclosed floor area of the Facility, as reported by the energy simulation software. All other spaces, including partially-conditioned and unconditioned spaces within the thermal envelope, are included in the MFA. The MFA must be within 5% of the gross floor area from the architectural drawings, unless justification is provided demonstrating where the discrepancy arises and why the MFA should differ from the gross floor area by greater than 5%, as agreed by the Authority, acting reasonably.

(b) Total Energy Use Intensity (EUI)

1) The sum of all Energy used on Site (i.e. electricity, natural gas), minus all Renewable Energy generated on Site, divided by the Modelled Floor Area (MFA), reported as kWh/m^2/year.

(c) Process Load

1) Energy Consumption other than zone lighting or zone receptacle loads that in general are a function of the occupant-driven or commercial processes occurring within the Facility rather than Energy Consumption associated with operation of the Facility and Site.

(d) Utility Rate Scenarios

1) Utility Rate Scenario 1 specifies utility cost and emission tariffs reflecting current economic conditions.

2) Utility Rate Scenario 2 specifies anticipated utility cost and emission tariffs for future conditions based on an annual energy escalation rate of 3.00%, carbon emissions cost escalation of 2.00% and a discount rate of 3.00%.

(e) Climate Scenarios

1) Climate Scenario 1 reflects current weather information (CWEC 2016, or more recent, Weather Data).

2) Climate Scenario 2 reflects future weather information, as prepared by the Pacific Climate Impacts Consortium for years 2041-2070.

(f) Simulation Scenarios

1) Four distinct simulations will be required per Table 1, for the purpose of informing the Authority utility budget planning process.

Table 1: Simulation Scenarios Definition

Simulation Scenario	Utility Rate Scenario	Climate Scenario	End-Use Breakdown	Utility & Emission Summary	Output Variables	Compliance Statement
A	**1**	**1**	●	●	●	●
B	**1**	**2**	●	●		
C	**2**	**1**	●	●		
D	**2**	**2**	●	●		

The combination of climate and utility scenarios distinguish the simulation end-use breakdown.

1.3. **Simulation Engines**

(a) For determining the Energy Target and the Carbon Target, simulation engines shall at a minimum have the following abilities:

1) Explicitly model 8760 hours per year,

2) Hourly variations in occupancy, lighting power, miscellaneous equipment,

3) HVAC system operation variations in setpoints and schedules,

4) Part-load performance curves for systems & equipment,

5) Output time-series variables in the following electronic file format:

a. Tab- or comma-separated values

b. Spreadsheet files

(b) Operating schedules as defined in this Appendix, and site shading elements are made available by the Authority in electronic files compatible with the following simulation engines:

1) EnergyPlus

2) IES Virtual Environment

(c) The Authority has no preference or requirement for a specific simulation engine in the list.

(d) The Design-Builder will perform spreadsheet calculations outside of a simulation engine by utilizing time-series output data from the simulation to perform calculations that the simulation engine cannot. The Design-Builder will document these calculations and include them in Submittals.

1.4. Energy Model Reporting Content

(a) The Energy Model Report to be provided by the Design-Builder will include the following:

1) Executive Summary

2) Statement of software used and version,

3) Summary of Modelled Floor Area (MFA) broken down into:

i. Total MFA (m^2) – refer to section 1.2

ii. Conditioned Area (m^2)

iii. Semi-Conditioned Area (m^2)

iv. Unconditioned Area (m^2)

4) Use ASHRAE 90.1 definition of conditioned, semi-conditioned and unconditioned spaces.

5) Description of modelled building systems.

6) Description of modelling methodologies, including description of any workarounds or post-processing of results made outside of software.

7) Detailed summary of all energy model inputs and assumptions.

8) Include assumptions & parameters not described, or that deviate from those described herein with a rational and solution used for any deviation.

9) Provide output summary reports from the energy simulation software including annual energy consumption, energy cost and unmet load hours.

10) Per Table A2, provide energy consumption end-use breakdown including:

i. Interior Lighting

ii. Exterior Lighting

iii. Task Lighting

iv. Fans

v. Pumps

vi. Cooling & Heat Rejection

vii. Process Cooling

viii. Heat Pumps

ix. Space Heating

x. Humidification

xi. Service Water Heating

xii. Receptacle Loads

xiii. Electrical Losses

xiv. Elevators & Escalators

xv. Medical Equipment

xvi. Other Process

xvii. Miscellaneous

xviii. Total

11) Identify for each end-use the Energy Consumption the fuel type, i.e., electricity, natural gas, or any other source of energy that may be available

12) For the Energy Target and the Carbon Target, provide calculations and results for:

i. Total indicative Facility annual Energy Consumption, both as MWh and energy use intensity ($kWh/m^2/year$), and by sourced energy type.

ii. Total Facility greenhouse gas emissions, both as $tCO_{2e/year}$ and carbon intensity ($kg/m^2/year$), and by sourced energy type.

iii. Total Facility energy cost, as $/year and monthly, and by sourced energy type.

13) Use the format of Tables A1, A2 and A3 for submission of the Energy Target and the Carbon Target results.

1.5. **Input Summary Reporting**

(a) Use the template provided in Table A4, or greater level of detail, to document key energy modeling inputs and assumptions, including details on optimization of energy systems' operations, controls, and sequences to realize maximum system efficiencies. The information contained in the model inputs shall inform the building systems commissioning process.

1.6. **Output Variable Reporting**

(a) At the discretion of the Authority, hourly output variables of the simulation will be submitted by the Design-Builder in electronic format.

1.7. **Scenarios**

(a) In addition to the preceding, the Design-Builder will provide the following if requested by the Authority:

1) Use the format of Tables A1, A2, and A3 for reporting results of Simulation Scenarios B, C, and D.

1.8. **General Independent Assumptions**

(a) To ensure comparable simulations while allowing flexibility in modeling approach, use the default assumptions shown in the following sections to determine operating parameters for the various spaces, unless other Authority-provided data contradicts these assumptions, or where knowledge or experience dictate that a different assumption would better reflect actual operating conditions. If deviations are made to assumptions made herein provide a rational to why different assumptions have been used and what they are.

1.9. **Weather File**

(a) Weather Data for the Energy Models shall be based on two scenarios:

1) (CWEC) Weather Data for Williams Lake, BC (WMO#:71104).

2) 2041-2070 Weather Data for Williams Lake, BC created by the Pacific Climate Impacts Consortium.

1.10. **Carbon Offset Cost**

(a) When calculating operational costs for energy, the carbon offset cost assumed is $50/tCO2e.

1.11. **Utility Rates and Emissions Factors**

(a) Utility & Emission Costs, are to be as identified in Table 2. Emission Costs are based on $50/tCO2e for Scenario 1. For Scenario 2, utility and emissions cost need to be adjusted per escalation and discount rates provided in this appendix.

(b) Emission rates for calculation of annual greenhouse gas emissions, are to be as identified in Table 2.

(c) Emission factors for calculation of annual greenhouse gas emissions, are to be as identified in Schedule 8 (within definition of Carbon Emissions).

Table 2: Utility Rates and Emissions Factors

Utility / Emission	**Energy Costs**	**GHG emissions Costs**	**Emission Factor (ton CO_{2e} / MWh)**
Electricity	$63.06 / MWh and, $12.83 / kWh demand charge	$0.54 / MWh	0.011
Natural Gas	$27.73 / MWh	$8.98/ MWh	0.180

1.12. **Envelope Modeling Methodology**

(a) Take-offs and Facility Construction as per Design. Include exterior envelope dimensions in calculations, not including the cladding and rainscreen cavity. Glazing areas to represent the total area of the rough opening including glass + frame.

(b) Any windows, curtainwall and spandrel walls must include the thermal bridging impact of framing and installation, using NFRC 100 Standard Procedures, BC Hydro's Building Envelope Thermal Bridging Guide, and/or Fenestration Association of BC (FENBC) Reference Procedure for Simulating Spandrel U-Factors.

(c) Facility opaque thermal performance must account for variations in construction types and assemblies, above and below grade.

(d) Thermal bridging from major structural penetrations, such as balcony slabs, beams, girders, columns, and ornamentation or appendages that must completely penetrate the Facility envelope to perform their intended function should be taken into account.

(e) Thermal bridging from structural penetrations that partly penetrate the Facility envelope assembly, such as slab edges, should be accounted.

(f) Infiltration: 0.25(L/s)/m² of total gross above-ground wall and roof areas unless a lower rate can be justified with design and implementation measures. This rate is at ambient pressure (5 Pa). The Authority reserves the right to reject a lower infiltration rate.

(g) For thermal bridges to be included and excluded, follow methodology outlined in City of Vancouver Energy Modeling Guideline v.2.0, Section 3. Overall opaque assembly U-values must be determined using the Enhanced Thermal Performance Spreadsheet (available from BC Hydro New Construction Program), performance data for clear fields and interface details from the Building Envelope Thermal Bridging Guide (BETBG), and the calculation methodology as outlined in the BETBG.

1.13. **Thermal Zones**

(a) Zoning Methodology

1) Thermal zones in the simulation are to reflect the zones in the design except in cases where doing so would cause simulation issues or inaccuracies, such as:

   i. Zones served by single-zone equipment such as cooling fan coils and ventilation air provided by a central VAV system.

   ii. Large, open spaces served by multiple air terminals or supplemental HVAC units.

   iii. Other may be identified by the Design-Builder.

2) Internal loads of thermal zones are to be based on the sum of internal loads applied to the spaces with the thermal zones.

3) Schedules and temperature settings may be applied to thermal zones based on those of the dominant space when appropriate.

4) Combination of like interior (core) zones are to follow the following criteria:

5) Same internal load density (lighting, plug & process loads, and occupant).

6) Same minimum outdoor air and supply air exchange rates.

7) Served by the same air system and no zone supplemental equipment.

8) Same operating schedules.

9) Combination of like exterior (perimeter) zones are to follow the following criteria:

   i. Criteria (1) through (4) per interior zones

   ii. Same net floor area +/- 20%

   iii. Within a tolerance of 10%, zones have the same ratio of net floor area to: design cooling airflow; design heating airflow; and perimeter heating capacities.

   iv. Same exterior surface & window constructions, and shading elements.

   v. Same ratio of net floor area to exterior wall & window areas within a tolerance of 10%, and facing directions within 10° or all exterior surfaces facing +/- 40° from true north.

   vi. All zones are completely shaded, or all zones are completely unshaded by topographical features, other buildings, or by surfaces of the building itself.

1.14. **Zone Independent Assumptions**

(a) Schedules & Hours of Operation

1) All schedules applicable to the simulation are to be referenced in NECB 2017.

(b) Room Set-Points

1) All space temperature and humidity setpoints are to be set as indicated in CSA Z317.2

2) Where space temperature and humidity setpoints are not indicated in CSA Z317.2, setpoints are to be per the relevant NECB operating schedule by space type.

3) Appended Table A5 identifies departments and the associated NECB schedule that is to be used for simulation parameters. The table is to be completed by the Design-Builder. The NECB schedule is to be used for the following parameters:

   i. Occupants: occupant schedule for spaces within the department.

   ii. Lighting: lighting schedule for spaces within the department.

   iii. Receptacle equipment: receptacle equipment schedule for spaces within the department.

   iv. NECB Fans Schedule: departmental occupied and unoccupied hours, as referenced by CSA Z317.2 for occupied and unoccupied period flow rates.

   v. On a space-by-space basis, NECB is to be referenced for occupant density.

1.15. **Air Systems**

(a) Ventilation Rates

1) Apply CSA Z317.2 minimum air change rates.

2) Ventilation setback is permitted where identified in CSA Z317.2.

(b) Air System Heat Recovery

1) Air system heat recovery effectiveness is normally a function of the fraction of actual-to-nominal airflow. If the simulation engine's heat recovery algorithm cannot accommodate adjusting the parameters of this function, the nominal effectiveness is to be adjusted so that the simulated effectiveness is less than or equal to the rated effectiveness throughout the range of airflow ratios.

2) If exhaust-to-supply-air enthalpy wheels are incorporated in the design, latent effectiveness should be simulated if the design employs capacity modulation by air-bypass.

3) If the heat recovery capacity modulation is by varying the wheel's angular velocity, latent effectiveness may only be simulated if the following requirements and methods are met:

4) A detailed performance map is provided by the device manufacturer showing sensible effectiveness as a function of angular velocity and latent effectiveness as a function of angular velocity.

5) Both dew-point and temperature set point control for heat recovery can be accommodated, the simulation engine's heat recovery algorithm must be parameterized to calculate both:

   i. latent effectiveness as a function of modulated sensible effectiveness

   ii. sensible effectiveness as a function of modulated latent effectiveness.

6) The heat recovery equipment manufacturer guarantees performance as stated.

(c) Controls

1) Zone temperature setpoints are to have a deadband of 0.5°C, meaning that a zone thermostat setpoint of 22.5°C will result in the VAV damper increasing airflow above the minimum CSA Z317 airflow only when the space temperature has approached 23°C, and the reheat valve is not opened until the space temperature has approached 22°C. The simulation engine utilized by the Design-Builder is to have the ability to model control with a deadband no greater than 0.5°C.

2) Setback of zone temperatures is not permitted.

3) Ventilation setback is permitted where identified in Table A5.

1.16. **Process and Miscellaneous Loads**

(a) Exterior Lighting

1) Lighting load as per design. Total kW with schedule based on photocell controls per ASHRAE 90.1-2016.

(b) Elevator Electricity Consumption

1) Use BC Hydro NCP Guide for elevator energy assumptions

(c) Parking Garage – if applicable

1) Based upon the design. Assume 6 hours daily exhaust fan operation controlled by vehicle emission sensors. Lighting is to be continuously available.

(d) Service Water Heating

1) Service water heating load need not be modelled at the zone level. Model 230 kW peak load following NECB Schedule B, Service Water Heating.

(e) Electrical Losses

1) For transformer losses in electrical rooms, schedule the loss based on the actual load on the transformer and efficiency of the transformers.

2) Create polynomial curves based on the 4 part-load efficiency points specified by DOE 10 CFR Part 431 2016 / NRCan 2019 Energy Efficiency Requirements for MVDT Transformers

Process Loads shall be per NECB with the exceptions noted in Table A-6 – Special Inputs.

APPENDED TABLES
These tables are to be used to show the energy modelling inputs and results.

A1 – Energy Cost & Emission Summary

A2 – End Use Breakdown

A3 – Energy Use Intensity by End Use

A4 – Modelling Input Summary Table

A5 – Department Operating Schedules

A6 – Special Inputs

Table A1 Energy, Cost & Emission Summary		Total	Electricity		Natural Gas		NEU		Greenhouse Gas	
		Cost	Cost	Demand	Cost	Demand	Cost	Demand	Cost	CO_2e tonne
			Cost	Energy		Energy		Energy		
January	kW	*$*	*$*	*kW*		*kW*		*kW*	*$*	*tonne*
	MWh		*$*	*MWh*		*MWh*		*MWh*		
February	kW									
	MWh									
March	kW									
	MWh									
April	kW									
	MWh									
May	kW									
	MWh									
June	kW									
	MWh									
July	kW									
	MWh									
August	kW									
	MWh									
September	kW									
	MWh									
October	kW									
	MWh									
November	kW									
	MWh									
December	kW									
	MWh									
Annum	kW									
	MWh									

Table A2 Energy Consumption by End-Use MWh/year			
End Use	**Electricity**	**Natural Gas**	**NEU**
Interior Lights			
Exterior Lights			
Task Lights			
Fans			
Pumps			
Cooling & Heat Rejection			
Process Cooling			
Heat Pumps			
Space Heating			
Humidification			
Service Water Heating			
Receptacles			
Electrical Losses			
Elevators & Escalators			
Medical Equipment			
Other Process			
Miscellaneous			
Total			

Table A3 Energy Use Intensity by End-Use kWh/m^2/year			
End Use	**Electricity**	**Natural Gas**	**NEU**
Interior Lights			
Exterior Lights			
Task Lights			
Fans			
Pumps			
Cooling & Heat Rejection			
Process Cooling			
Heat Pumps			
Space Heating			
Humidification			
Service Water Heating			
Receptacles			
Electrical Losses			
Elevators & Escalators			
Medical Equipment			
Other Process			
Miscellaneous			
Total			

Table A-4

Inputs	Energy Model Assumptions Reporting
Software used and version	
Climate Zone & Weather File	
Building Floor Area and MFA	
Hours of operation	
Utility Rates & Emission Factors	
Electricity	
Gas	
Energy Center (DES)	
Other Fuel Sources	
Envelope Performance	
Roof R-value (effective) ($^oK \cdot ft^2/btuh$)	For each type
Wall Above Grade R-value (effective) ($^oK \cdot ft^2/btuh$)	For each type
Wall Below Grade R-value (effective) ($^oK \cdot ft^2/btuh$)	For each type
Slab on grade ($^oK \cdot ft^2/btuh$)	
WWR Glazing (%)	
Glass U-value including frame ($btu/h.ft^2.F$), and Solar Heat Gain Coefficient (SHGC)	For each type
Shading Devices	
Infiltration Rate	
Internal Loads	
Occupant Density & Schedule	
Lighting Power Density & Schedule	
Interior Lighting Controls	
Exterior Lighting	
General Plug Loads & Schedule	
Process Loads & Schedule	
Elevators & Schedule	
Domestic Hot Water & Schedule	
Operating Conditions	
Room Set-points	Temperature, Humidity
Air Handling Units	Per AHU and MAU– list all that applies:

Inputs	Energy Model Assumptions Reporting
	Area it serves Min OA Flow and % of total Total Supply Air Flow Heating Coil Capacity Cooling Coil Capacity Reheat Coil Capacity Fan Power Supply Fan Power Return Fan Power Exhaust Supply Air Temperature Humidification Controls / Variable / Constant Volume / DCV
Heat Recovery Ventilators	Per HRV or ERV -list all that applies: Min OA flow Sensible efficiency % Latent efficiency %
Zone Terminal Systems	List all that applies for heating and cooling
Zone Exhausts	Per System: Air Flow Fan Power
Central Plant	
Heating Equipment Type	Type, Capacity, Efficiency, Temperature
Hot Water Loop	Per Hot Water Loop – list all that applies: Supply Water Temperature Return Water Temperature Description of Reset / Controls Heat Rejection/Heat Recovery
Cooling Equipment Type	Type, Capacity, Efficiency, Temperature
Chilled Water Loop	Per Chilled Water Loop – list all that applies: Supply Water Temperature Return Water Temperature Heat Rejection/ Heat Recovery
Heat Rejection	Type, Capacity, Efficiency, Temperature
Condenser Water Loop	Per Condenser Water Loop –list all that applies: Supply Water Temperature Return Water Temperature Heat Rejection/ Heat Recovery
Steam System	Type, Capacity, Efficiency, Temperature
Domestic Hot Water Preheat	Type, Capacity, Temperature
Domestic Hot Water	Type, Capacity, Efficiency, Temperature, Storage Capacity
Pumps	For all pumps: Flow, Power
Other	
Renewable Energy	List all that applies: Type, Capacity

Table A6 Special Inputs				
Reference	Category or Zone	Input Parameter	Input	Comment
1	Process Load	Medical Gas Systems		excluded from Energy Target
2	Process Load	Domestic Hot Water		excluded from Energy Target

SCHEDULE 9

APPRENTICESHIP POLICY

1. APPRENTICESHIP POLICY

1.1 The Design-Builder acknowledges that it has obtained a copy of and has reviewed the Ministry of Jobs, Economic Development and Innovation policy set out in Apprentices on Public Projects Policy and Procedure Guidelines, Date: July, 2015, Update: March, 2016 available at https://www2.gov.bc.ca/assets/gov/business/economic-development/assets/apprentices-on-public-projects/policy_and_procedure_guidelines.pdf (the "**Apprenticeship Policy**").

1.2 Unless defined in this Agreement, capitalized terms in this Schedule have the meaning given in the Apprenticeship Policy.

2. APPLICATION

2.1 The Design-Builder agrees that the Apprenticeship Policy applies to this Agreement and the Design-Builder will, subject to the reasonable assistance of the Authority, comply with the requirements of the Apprenticeship Policy.

2.2 The Design-Builder agrees that the Authority requires the Design-Builder to apply the Apprenticeship Policy to Subcontractors and Subcontracts (of all tiers) valued at $500,000 or more.

3. REQUIREMENTS

3.1 The Design-Builder acknowledges that the requirements of the Apprenticeship Policy and this Schedule include:

(a) using Registered Apprentice(s) in respect of Specified Trades valued at $500,000 or more;

(b) reporting in Form A: Confirmation of Intent to Use Registered Apprentices as soon as practicable and at least 5 days prior to commencement of Work under this Agreement or work under the applicable Subcontract and completing all supplementary forms (Form A) as required;

(c) reporting in Form B: Apprentice Utilization Report quarterly and upon completion of Work under this Agreement or work under the applicable Subcontract; and

(d) complying with applicable requirements in relation to Personal Information.

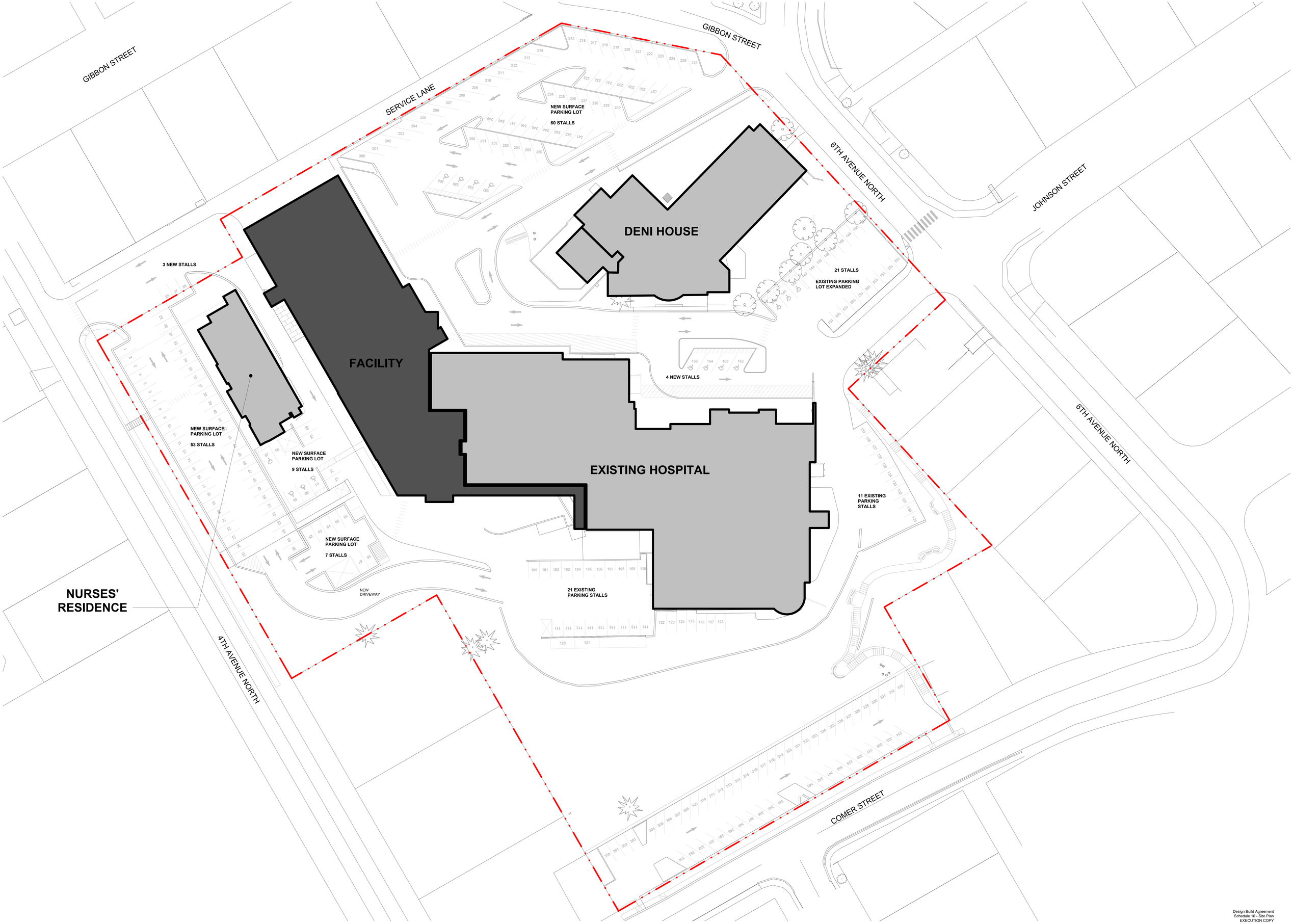
3.2 The Design-Builder further acknowledges that under the Apprenticeship Policy the Authority may, or may permit AEST, to exercise all provisions of the Apprenticeship Policy applicable to the Authority or the Province (whether through AEST or otherwise) provisions that permit the Authority:

(a) to delay the start of Work on the Project until the Authority has confirmed, through AEST, that Registered Apprentices will be used on the Project; and

(b) to delay issue of final payment in relation to the applicable Work until the final Form B is submitted.

3.3 The Design-Builder represents that the Design-Builder will ensure that the provisions of this Schedule are incorporated into applicable Subcontracts.

3.4 The Design-Builder and the Authority acknowledge that any change to the Apprenticeship Policy will, if required by the Authority to be implemented for purposes of this Agreement, be implemented as a Change under Part E- Changes.



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Interior Health

SCHEDULE 10 - SITE PLAN
CMH Redevelopment Project

N

Date: August 24, 2020
Project Nº: 123538
Scale 1 : 300

Design Build Agreement
Schedule 10 - Site Plan
EXECUTION COPY

A122a

SCHEDULE 11

INDEPENDENT CERTIFIER AGREEMENT

TABLE OF CONTENTS

SCHEDULE 11

INDEPENDENT CERTIFIER AGREEMENT

THIS AGREEMENT is made as of the ▼ day of ▼, 20▼

AMONG:

INTERIOR HEALTH AUTHORITY

(the "**Authority**")

AND:

GRAHAM DESIGN BUILDERS LP

(the "**Design-Builder**")

AND:

▼

(the "**Independent Certifier**")

WHEREAS:

A. the Authority and the Design-Builder have entered into the Design-Build Agreement;

B. the Authority and the Design-Builder wish to appoint the Independent Certifier, and the Independent Certifier wishes to accept such appointment, to perform certain services in connection with the Design-Build Agreement; and

C. the Authority, the Design-Builder and the Independent Certifier wish to enter into this Agreement in order to record the terms by which the Independent Certifier will perform such services.

NOW THEREFORE in consideration of the mutual promises and agreements of the Authority, the Design-Builder and the Independent Certifier herein expressed and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the Authority, the Design-Builder and the Independent Certifier covenant and agree as follows:

1. DEFINITIONS

1.1 Definitions

In this Agreement including the recitals and appendices, unless the context indicates a contrary intention, terms which are defined in the Design-Build Agreement (and not otherwise defined in this Agreement) will have meanings given to them in the Design-Build Agreement and the following terms will have the following meanings:

"**Agreement**" means this Independent Certifier Agreement and its appendices;

"**Change in Control**" means with respect to a relevant person:

(a) any direct or indirect change by contract or otherwise (other than as set out in (b)) which results in a person or group of persons having the ability to direct or cause the direction of the management, actions or policies of the relevant person; or

(b) any direct or indirect change in the ownership or control of any legal, beneficial or equitable interest in any or all of the shares, units or equity in the relevant person (including the control over the exercise of voting rights conferred on equity share capital, unit interests or equity interests or the control over the right to appoint or remove directors, a general partner or other managers), including changes arising from assignment or transfer of existing shares, units or equity, issuance of new shares, units or equity or amalgamation, merger consolidation, amendment of a limited partnership certificate or other reorganization, or any other direct or indirect change which results in a person or group of persons, other than the equity holders of the relevant person immediately prior to the change, directly or indirectly:

(1) controlling the composition of the majority of the board of directors of the relevant person or of a general partner or manager of the relevant person;

(2) controlling the decisions made by or on behalf of the relevant person, including by controlling the voting power of the board of directors or by controlling the voting power of any class of shareholders or equity holders of any of the relevant person, a general partner of the relevant person or a manager of the relevant person or otherwise;

(3) holding equity (either beneficially or otherwise) of the relevant person with a subscribed value (taking into account contributions to be made in the case of a limited partnership) of more than one half of the subscribed value (taking into account contributions to be made in the case of a limited partnership) or equity (either beneficially or otherwise) of the relevant person with more than one half of the voting rights; or

(4) having the ability to direct or cause the direction of the management, actions or policies of the relevant person;

"**DBA Parties**" means, collectively, the Authority and the Design-Builder;

"**Design-Build Agreement**" means that certain agreement entitled "Design-Build Agreement" and made between the Authority and the Design-Builder as of the 30th day of January, 2023 with respect to the design and construction of the Facility; and

"**Fee**" means the fees payable by the DBA Parties to the Independent Certifier for the Functions, as such fees are specified and made payable in Appendix 2 [Fee];

"**Functions**" means:

(a) all of the functions and obligations conferred on the Independent Certifier under the Design-Build Agreement;

(b) all of the functions and obligations conferred on the Independent Certifier under this Agreement, including the functions described in Appendix 1 [Functions]; and

(c) all other things or tasks which the Independent Certifier is required to do to comply with its obligations under this Agreement;

"**Functions Variation**" means any change to the Functions;

"**Intellectual Property**" means any and all intellectual property rights throughout the world, whether subsisting now or in the future, including rights of any kind in inventions, patents, copyright, trademarks, service marks, industrial designs, integrated circuit topography rights, applications for registration of any of the foregoing, and know-how, trade secrets, confidential information and trade or business names; and

"**Project Material**" means all material:

(a) provided to the Independent Certifier or created by or required to be created by any DBA Party; and

(b) provided by or created by or required to be created by the Independent Certifier as part of, or for the purpose of, performing the Functions,

including documents, equipment, reports, technical information, plans, charts, drawings, calculations, tables, schedules and data (stored and recorded by any means).

2. INTERPRETATION

2.1 Interpretation

The division of this Agreement into Sections, the insertion of headings and the provision of a table of contents are for convenience only, do not form a part of this Agreement and will not be used to affect the construction or interpretation of this Agreement. The word "including" will not be construed as limiting the general term or statement immediately preceding. Unless otherwise specified:

(a) each reference in this Agreement to "**Section**" and "**Appendix**" is to a Section of, and an Appendix to, this Agreement;

(b) each reference to a statute is deemed to be a reference to that statute and any successor statute, and to the regulations made under that statute and any successor statute, as amended or re-enacted from time to time;

(c) words importing the singular include the plural and vice versa and words importing gender include all genders;

(d) references to time of day or date mean the local time or date in Vancouver, British Columbia;

(e) all references to amounts of money mean lawful currency of Canada; and

(f) an accounting term has the meaning assigned to it, and all accounting matters will be determined, in accordance with GAAP consistently applied.

2.2 Obligations and Exercise of Rights by the DBA Parties

The obligations of the DBA Parties under this Agreement will be several. Except as specifically provided for in this Agreement, the rights of the DBA Parties under this Agreement will be jointly exercised by each of the DBA Parties.

3. ROLE OF THE INDEPENDENT CERTIFIER

3.1 Engagement

The DBA Parties hereby appoint the Independent Certifier, and the Independent Certifier hereby accepts such appointment, to carry out the Functions in accordance with this Agreement. The Independent Certifier will perform the Functions in accordance with this Agreement.

3.2 Acknowledgement by Independent Certifier

The Independent Certifier hereby acknowledges in favour of the DBA Parties that it has received a copy of the Design-Build Agreement.

3.3 Standard of Care

The Independent Certifier will exercise the standard and skill, care and diligence in the performance of the Functions that would be expected of an expert professional experienced in providing services in the nature of the Functions for projects similar to the Project.

3.4 Duty of Independent Judgment

In exercising the Functions, the Independent Certifier will act:

(a) impartially, honestly and independently;

(b) reasonably and professionally; and

(c) in a timely manner:

(1) in accordance with the times prescribed in this Agreement or the Design-Build Agreement, as applicable; or

(2) where no times are prescribed, within five Business Days or such earlier time so as to enable the DBA Parties to perform their respective obligations under the Design-Build Agreement.

Although the Independent Certifier should take account of any opinions or representations made by the DBA Parties, the Independent Certifier will not be bound to comply with any opinions or representations made by either of them in connection with any matter on which the Independent Certifier is required to exercise its professional judgment.

3.5 Authority to Act

The Independent Certifier:

(a) is an independent consultant and is not, and will not purport to be, a partner, joint venturer or agent of any DBA Party;

(b) other than as may be expressly set out in the Design-Build Agreement, has no authority to give any directions to a DBA Party or its officers, employees, contractors, consultants or agents; and

(c) has no authority to waive or alter any terms of the Design-Build Agreement, nor to discharge or release a DBA Party from any of its obligations under the Design-Build Agreement unless jointly agreed in writing by the DBA Parties.

3.6 Knowledge of the DBA Parties' Requirements

The Independent Certifier warrants that:

(a) it has and will be deemed to have informed itself fully of the requirements of the Design-Build Agreement;

(b) it will inform itself fully of the requirements of such other documents and materials as may become relevant from time to time to the performance of the Functions;

(c) without limiting Sections 3.6(a) or 3.6(b), it has and will be deemed to have informed itself fully of all time limits and other requirements for any Function which the Independent Certifier carries out under the Design-Build Agreement and this Agreement;

(d) it has and will be deemed to have informed itself fully of the nature of the work necessary for the performance of the Functions and the means of access to and facilities at the Facility and Site including restrictions on any such access or protocols that are required; and

(e) it has satisfied itself as to the correctness and sufficiency of its proposal for the Functions and that the Fee covers the cost of complying with all of the obligations under this Agreement and of all matters and things necessary for the due and proper performance and completion of the Functions.

3.7 Co-ordination by Independent Certifier

The Independent Certifier will:

(a) fully co-operate with the DBA Parties;

(b) carefully co-ordinate the Functions with the work and services performed by the DBA Parties;

(c) without limiting its obligations under Sections 3.4 and 3.7(b), perform the Functions so as to avoid unreasonably interfering with, disrupting or delaying the work and services performed by the DBA Parties; and

(d) provide copies to all DBA Parties of all reports, communications, certificates and other documentation that it provides to any DBA Party.

3.8 Conflict of Interest

The Independent Certifier warrants that:

(a) at the date of signing this Agreement, no conflict of interest exists or is likely to arise in the performance of its obligations under this Agreement; and

(b) if, during the term of this Agreement, any such conflict or risk of conflict of interest arises, the Independent Certifier will notify the DBA Parties immediately in writing of that conflict or risk of conflict and take such steps as may be required by each of the DBA Parties to avoid or mitigate that conflict or risk.

3.9 Independent Certifier Personnel

(a) Subject to Section 3.9(b), the Independent Certifier will use the partners, directors or employees described in Appendix 3 [Independent Certifier Personnel] in connection with

the performance of the Functions and such individuals' services will be available for so long as may be necessary to ensure the proper performance by the Independent Certifier of the Functions. Such individuals will have full authority to act on behalf of the Independent Certifier for all purposes in connection with this Agreement.

(b) None of the individuals listed in Appendix 3 [Independent Certifier Personnel] will be removed or replaced unless he/she ceases to work as a partner in or director or employee of the Independent Certifier or he/she is unable to work because of death or illness. The Independent Certifier will notify the DBA Parties of any such circumstances and will be responsible for finding a replacement who will previously have been approved in writing by the DBA Parties.

4. ROLE OF THE DBA PARTIES

4.1 Assistance

The DBA Parties agree to co-operate with and provide reasonable assistance to the Independent Certifier to familiarize the Independent Certifier with all necessary aspects of the Project to enable the Independent Certifier to carry out its obligations under this Agreement.

4.2 Instructions in Writing

All instructions to the Independent Certifier by the DBA Parties will be given in writing.

4.3 Information and Services

The DBA Parties will each make available to the Independent Certifier, as soon as practicable from time to time, all information, documents and particulars necessary for the Independent Certifier to carry out the Functions, including such information, documents and particulars required in order for the Independent Certifier to determine whether the criteria for Substantial Completion have been achieved, and will provide copies of all such information, documents and particulars to the other DBA Party.

4.4 Additional Information

If any information, documents or particulars are reasonably required to enable the Independent Certifier to perform the Functions and have not been provided by the Design-Builder or the Authority, as the case may be, then:

(a) the Independent Certifier will give notice in writing to the Design-Builder's Representative or the Authority's Representative, as the case may be, of the details of the information, documents or particulars demonstrating the need and the reasons why they are required; and

(b) the Design-Builder or the Authority, as the case may be, will arrange the provision of the required information, documents or particulars.

4.5 Right to Enter and Inspect

Upon giving reasonable notice to the Design-Builder's Representative, the Independent Certifier (and any person authorized by it) may enter and inspect the Site, Facility and work in progress at any reasonable time in connection with the exercise or proposed exercise of rights under this Agreement, subject to:

(a) observance of the reasonable rules of the Design-Builder as to safety and security for the Site, Facility and work in progress;

(b) not causing unreasonable delay to the carrying out of the Work by reason of its presence at the Site or Facility; and

(c) not causing any damage to the Site, Facility or work in progress.

4.6 DBA Parties Not Relieved

Neither DBA Party will be relieved from performing or observing its obligations, or from any other liabilities, under the Design-Build Agreement as a result of either the appointment of, or any act or omission by, the Independent Certifier.

4.7 DBA Parties not Liable

On no account will a DBA Party be liable to another DBA Party for any act or omission by the Independent Certifier whether under or purportedly under a provision of the Design-Build Agreement, this Agreement or otherwise, provided that any such act or omission will not extinguish, relieve, limit or qualify the nature or extent of any right or remedy of either DBA Party against or any obligation or liability of either DBA Party to the other DBA Party which would have existed regardless of such act or omission.

5. SUSPENSION

5.1 Notice

The Functions (or any part) may be suspended at any time by the DBA Parties:

(a) if the Independent Certifier fails to comply with its obligations under this Agreement, immediately by the DBA Parties giving joint notice in writing to the Independent Certifier; or

(b) in any other case, by the DBA Parties giving seven days joint notice in writing to the Independent Certifier.

5.2 Costs of Suspension

The Independent Certifier will:

(a) subject to the Independent Certifier complying with Section 8, be entitled to recover the extra costs incurred by the Independent Certifier by reason of a suspension directed under Section 5.1(b) valued as a Functions Variation under Section 8; and

(b) have no entitlement to be paid any costs, expenses, losses or damages arising from a suspension under Section 5.1(a).

5.3 Recommencement

The Independent Certifier will immediately recommence the carrying out of the Functions (or any part) on receipt of a joint written notice from the DBA Parties requiring it to do so.

6. INSURANCE AND LIABILITY

6.1 Independent Certifier's Professional Indemnity Insurance

(a) The Independent Certifier will, at its cost, have in place:

(1) professional errors and omissions insurance:

(A) in the amount of per claim and in the aggregate, a deductible of not more than and from an insurer and on terms satisfactory to each of the DBA Parties;

(B) with a term and extended reporting period from the date of this Agreement until the expiration of from the cessation of the Functions; and

(C) covering liability which the Independent Certifier might incur as a result of a breach by it of its obligations or any breach of a duty owed by the Independent Certifier in a professional capacity to the DBA Parties, or either of them, under or in connection with this Agreement or the provision of the Functions; and

(2) at all times during the term of this Agreement, comprehensive general liability insurance in the amount of per claim and in the aggregate, no deductible for personal injury or bodily injury, a deductible of not more than per occurrence for property damage, naming the Authority as an additional insured and from an insurer and on terms satisfactory to each of the DBA Parties.

(b) The Independent Certifier will:

(1) ensure that each of the insurance policies described in Section 6.1(a):

(A) bears an endorsement to the effect that the insurer will not effect any adverse material change or amendment to the policy or any cancellation of the policy without first giving at least 30 days prior written notice by registered mail to the Authority; and

(B) is obtained and maintained with reputable and qualified insurers, acceptable to the Authority, licensed in British Columbia; and

(2) provide copies of each of the insurance policies described in Section 6.1(a) to each of the DBA Parties upon request.

6.2 Workers' Compensation Insurance

The Independent Certifier will, at its own cost and at all times during the term of this Agreement, insure its liability (including its common law liability) as required under any applicable workers compensation statute or regulation in relation to its employees engaged in the Functions.

7. PAYMENT FOR SERVICES

7.1 Fee

(a) In consideration of the Independent Certifier performing the Functions in accordance with this Agreement, the DBA Parties will pay the Independent Certifier the Fee.

(b) The Fee includes all taxes (except for GST), disbursements and expenses (including accommodation, car rental, equipment and travel expenses), overheads and profit to perform the Functions.

7.2 Payment of Fee

(a) Subject to Section 7.2(c), the DBA Parties will each pay half the Fee to the Independent Certifier in accordance with the payment schedule specified in Appendix 2 [Fee]. The Independent Certifier will invoice each of the DBA Parties separately. The obligation on the Design-Builder and the Authority to each pay its portion of the Fee to the Independent Certifier is not subject to joint and several liability and neither the Authority nor the Design-Builder will have any liability whatsoever for the non-payment by the other of any fees or costs payable by such other party under this Agreement.

(b) The Design-Builder acknowledges and agrees that if any amount due and payable by the Design-Builder to the Independent Certifier is outstanding, the Independent Certifier will not have any obligation to the Design-Builder to make any certification under the Design-Build Agreement.

(c) The Design-Builder will bear the full cost of the Fee related to certification of Work, including equipment and materials, that is located off-Site where such off-Site Work is not identified in the Time Schedule and agreed and included in the Fee.

8. FUNCTIONS VARIATIONS

8.1 Notice of Functions Variation

(a) If the Independent Certifier believes, other than a "Functions Variation Order" under Section 8.3, that any direction by the DBA Parties constitutes or involves a Functions Variation it will:

(1) within 7 days after receiving the direction and before commencing work on the subject matter of the direction, give notice to the DBA Parties that it considers that the direction constitutes or involves a Functions Variation; and

(2) within 21 days after giving the notice under Section 8.1(a)(1) above, submit a written claim to each of the Authority's Representative and the Design-Builder's Representative which includes detailed particulars of the claim, the amount of the claim and how it was calculated.

(b) Regardless of whether the Independent Certifier considers that such a direction constitutes or involves a Functions Variation, the Independent Certifier will continue to perform the Functions in accordance with this Agreement and all directions, including any direction in respect of which notice has been given under this Section.

8.2 No Adjustment

If the Independent Certifier fails to comply with Section 8.1, the Fee will not be adjusted as a result of the relevant direction.

8.3 Functions Variation Procedure

(a) The Authority's Representative and the Design-Builder's Representative may jointly issue a document titled "Functions Variation Price Request" to the Independent Certifier which will set out details of a proposed Functions Variation which the DBA Parties are considering.

(b) Within 7 days after the receipt of a "Functions Variation Price Request", the Independent Certifier will provide each of the Authority's Representative and the Design-Builder's Representative with a written notice in which the Independent Certifier sets out the effect which the proposed Functions Variation will have on the Fee.

(c) Each of the Authority's Representative and the Design-Builder's Representative may then jointly direct the Independent Certifier to carry out a Functions Variation by written document titled "Functions Variation Order" which will state either that:

(1) the Fee is adjusted as set out in the Independent Certifier's notice; or

(2) the adjustment (if any) to the Fee will be determined under Section 8.4.

8.4 Cost of Functions Variation

(a) Subject to Section 8.2, the Fee will be adjusted for all Functions Variations or suspensions under Section 5.1(b) carried out by the Independent Certifier by:

(1) the amount (if any) stated in the "Functions Variation Order" in accordance with Section 8.3(c);

(2) if Section 8.4(a)(1) is not applicable, an amount determined pursuant to the fee schedule for Functions Variations in Appendix 2 [Fee]; or

(3) where such rates or prices are not applicable, a reasonable amount to be agreed between the DBA Parties and the Independent Certifier or, failing agreement, determined by the Authority's Representative and the Design-Builder's Representative jointly, acting reasonably.

(b) Any reductions in the Fee will be calculated on the same basis as any increases.

9. TERM AND TERMINATION

9.1 Term

Subject to earlier termination, this Agreement will commence on the Effective Date and continue in full force until:

(a) 60 days after the Total Completion Date; or

(b) such later date as may be mutually agreed between the DBA Parties and the Independent Certifier.

9.2 Notice of Breach

If the Independent Certifier commits a breach of this Agreement, the DBA Parties may give written notice to the Independent Certifier:

(a) specifying the breach; and

(b) directing its rectification in the period specified in the notice being a period not less than 7 days from the date of service of the notice.

9.3 Termination for Breach

If the Independent Certifier fails to rectify the breach within the period specified in the notice issued under Section 9.2, the DBA Parties may, without prejudice to any other rights of the DBA Parties or either of them, immediately terminate this Agreement.

9.4 Termination for Financial Difficulty

The DBA Parties may, without prejudice to any other rights which the DBA Parties or either of them may have, terminate this Agreement immediately if:

(a) events have occurred or circumstances exist which, in the opinion of the DBA Parties, may result in or have resulted in insolvency or the control of the Independent Certifier passing to another body or corporation; or

(b) the Independent Certifier has communications with its creditors with a view to entering into, or enters into, any form of compromise, arrangement or moratorium of any debts whether formal or informal, with its creditors.

9.5 Termination for Convenience

Notwithstanding anything to the contrary in this Agreement, the DBA Parties may at any time terminate this Agreement upon 30 days written notice to the Independent Certifier.

9.6 Independent Certifier's Rights upon Termination for Convenience

Upon a termination under Section 9.5, the Independent Certifier will:

(a) be entitled to be reimbursed by the DBA Parties for the value of the Functions performed by it to the date of termination; and

(b) not be entitled to any damages or other compensation in respect of the termination and (without limitation) any amount in respect of:

(1) the lost opportunity to earn a profit in respect of the Functions not performed at the date of termination; and

(2) any lost opportunity to recover overheads from the turnover which would have been generated under this Agreement but for it being terminated.

9.7 Procedure upon Termination

Upon completion of the Independent Certifier's engagement under this Agreement or earlier termination of this Agreement (whether under Sections 9.3, 9.4 or 9.5 or otherwise) the Independent Certifier will:

(a) co-operate with the DBA Parties;

(b) hand to the DBA Parties all Project Material and all other information concerning the Project held or prepared by the Independent Certifier; and

(c) as and when required by the DBA Parties, meet with them and such other Persons nominated by them with a view to providing them with sufficient information to enable the DBA Parties to execute the Project or the Persons nominated to provide the Functions.

9.8 Effect of Termination

Except as otherwise expressly provided in this Agreement, termination of this Agreement will be without prejudice to any accrued rights and obligations under this Agreement as at the date of termination (including the right of the Design-Builder and the Authority to recover damages from the Independent Certifier).

9.9 Survival

Termination of this Agreement will not affect the continuing rights and obligations of the Design-Builder or the Authority and the Independent Certifier under Sections 6, 7, 9.6, 9.7, 9.8, 10, 11.7, 11.8 and this Section 9.9 or under any other Section which is expressed to survive termination or which is required to give effect to such termination or the consequences of such termination.

10. INDEMNITY

10.1 Indemnity

The Independent Certifier will indemnify and save harmless the DBA Parties, and each of them, and their respective employees, agents, officers and directors from and against any and all losses incurred or suffered by any of them by reason of, resulting from, in connection with, or arising out of:

(a) the breach of any representation, warranty, covenant, term, duty or obligation of the Independent Certifier set out in or arising under this Agreement or the Design-Build Agreement; or

(b) any act or omission of the Independent Certifier in connection with the subject matters of this Agreement.

11. GENERAL

11.1 Entire Agreement

This Agreement and the Design-Build Agreement constitute the entire agreement between the DBA Parties and the Independent Certifier and supersede all communications, arrangements and agreements, either oral, written, made or entered into prior to the date of this Agreement between the DBA Parties and the Independent Certifier with respect to the subject matter of this Agreement.

11.2 Negation of Employment

(a) The Independent Certifier, its officers, employees, servants and agents and any other individuals engaged by the Independent Certifier in the performance of the Functions will not by virtue of this Agreement or the performance of the Functions become in the service or employment of the DBA Parties for any purpose.

(b) The Independent Certifier will be responsible for all matters requisite as employer or otherwise in relation to such officers, employees, servants and agents and other individuals who are engaged by the Independent Certifier.

11.3 Waiver

Failure by any DBA Party or the Independent Certifier to enforce a provision of this Agreement will not be construed as a waiver by that DBA Party or the Independent Certifier of any right in respect of that provision, or any other provisions of this Agreement.

11.4 Notices

Any notice or communication required or permitted to be given under this Agreement will be in writing and will be considered to have been sufficiently given if delivered by hand or transmitted by electronic transmission to the address or electronic mail address of each party set out below:

(a) if to the Authority:

Interior Health Authority
4th Floor – 505 Doyle Avenue
Kelowna BC V1Y 0C5

Attention: Michael Morton, Director, Major Capital Projects
Email: michael.morton@interiorhealth.ca

(b) if to the Design-Builder:

Graham Design Builders LP
10840 27 Street SE
Calgary Alberta T2Z 3R6

Attention: **[Greg Parnell, Director Buildings]**
Email: **[greg.parnell@graham.ca]**

(c) if to the Independent Certifier:

Independent Certifier
Address
[●]
[●]

or to such other address or electronic mail address as any party may, from time to time, designate in the manner set out above.

11.5 Transfer and Assignment

(a) The Independent Certifier:

(1) will not assign, transfer, mortgage, charge or encumber any right or obligation under this Agreement without the prior written consent of the DBA Parties, which each DBA Party may give or withhold in its absolute discretion; and

(2) agrees that any assignment, transfer, mortgage, charge or encumbrance will not operate to release or discharge the Independent Certifier from any obligation or liability under this Agreement.

(b) For the purposes of this Section, an assignment will be deemed to have occurred where there is a Change In Control of the Independent Certifier after the date of this Agreement.

(c) Each of the DBA Parties may assign, transfer, mortgage, charge or encumber any right or obligation under this Agreement in accordance with the terms of the Design-Build Agreement.

11.6 Governing Laws and Attornment

This Agreement will be governed by and construed in accordance with the laws of the Province of British Columbia and the federal laws of Canada applicable therein without regard to conflicts of law principles that would apply a different body of law, and the Authority, the Design-Builder and the Independent Certifier hereby irrevocably submit and attorn to the exclusive jurisdiction of the courts of that Province and all courts competent to hear appeals therefrom with respect to any action, suit, proceeding or dispute in connection with this Agreement.

11.7 Confidentiality

(a) The Independent Certifier will ensure that:

(1) neither it nor any of its officers, employees, servants and agents disclose, or otherwise make public, any Project Material or any other information or material acquired in connection with or during the performance of the Functions without prior written approval of the DBA Parties; and

(2) no Project Material is used, copied, supplied or reproduced for any purpose other than for the performance of the Functions under this Agreement.

(b) The DBA Parties may at any time require the Independent Certifier to give and to arrange for its officers, employees, servants and agents engaged in the performance of the Functions to give written undertakings, in the form of confidentiality agreements on terms required by the DBA Parties, relating to the non-disclosure of confidential information, in which case the Independent Certifier will promptly arrange for such agreements to be executed and delivered.

11.8 Project Material

(a) The DBA Parties and the Independent Certifier agree that the Independent Certifier does not and will not have any rights, including any Intellectual Property, in any Project Material provided to the Independent Certifier or created or required to be created by any DBA Party.

(b) All title and ownership, including all Intellectual Property, in and to the Project Material created or required to be created by the Independent Certifier as part of, or for the purposes of performing the Functions, is hereby assigned jointly to the Authority and the Design-Builder on creation, or where such title, ownership and Intellectual Property cannot be assigned before creation of the Project Material, it will be assigned to the Authority and the Design-Builder on creation. In addition, to the extent that copyright may subsist in such Project Material so created by the Independent Certifier, the Independent Certifier hereby waives all past, present and future moral rights therein and the Independent Certifier will ensure that any agent or employee of Independent Certifier will have waived all such moral rights.

(c) The Independent Certifier will do all such things and execute all such documents as reasonably requested by either of the DBA Parties in order to confirm or perfect the assignment of Intellectual Property in the Project Material referred to in Section 11.8(b).

11.9 Time of the Essence

Time will be of the essence of this Agreement and of the transactions contemplated by this Agreement.

11.10 Amendment

No change or modification of this Agreement will be valid unless it is in writing and signed by each party to this Agreement.

11.11 Severability

If any provision of this Agreement will be declared invalid, unenforceable or illegal by the courts of any jurisdiction to which it is subject, such provision may be severed and such invalidity, unenforceability or illegality will not prejudice or affect the validity, enforceability or legality of the remaining provisions of this Agreement.

11.12 Enurement

Subject to the restrictions on transfer contained in this Agreement, this Agreement will enure to the benefit of and be binding on the parties and their respective heirs, executors, administrators, successors and assigns.

11.13 Counterparts

This Agreement may be executed in any number of counterparts and all counterparts taken together will constitute one and the same instrument.

[signature pages follow]

IN WITNESS WHEREOF the Authority, the Design-Builder and the Independent Certifier have executed this Agreement.

INTERIOR HEALTH AUTHORITY

Per: _____
Michael Morton
Director, Major Capital Projects

GRAHAM DESIGN BUILDERS LP, by its general partner GRAHAM DESIGN BUILDERS LTD.

Per: _____
Dave Corcoran
Vice President, Construction

[INDEPENDENT CERTIFIER],

Per: _____
Name:
Title:

Per: _____
Name:
Title:

APPENDIX 1

FUNCTIONS

The Independent Certifier will, subject to the provisions of the Design-Build Agreement, provide the services as set out below. In the event of a conflict between any provision of this Agreement, including this Appendix 1, and a provision of the Design-Build Agreement, the Design-Build Agreement will prevail.

(a) The Independent Certifier will:

(i) consult with the Authority, the Design-Builder and others involved in the Design;

(ii) conduct monthly inspections of the Work; and

(iii) raise any quality concerns and investigate those identified by the Design-Builder and/or the Authority,

as the Independent Certifier determines is required for purposes of the Independent Certifier's functions under this Agreement and, no later than the 10th day of each month, prepare and deliver to the Authority and the Design-Builder a monthly written report containing a description of:

(iv) the Work completed in the previous month; and

(v) the progress of the Work relative to the Time Schedule, with an overview analysis of variances and investigations of quality concerns.

(b) The Independent Certifier will:

(i) determine amounts owing to the Design-Builder based on the Independent Certifier's observations and evaluations of the Design-Builder's applications for payment;

(ii) issue certificates of payment;

(iii) determine the dates of Substantial Completion and Total Completion and the issuing of certificates for same;

(iv) for purposes of the *Builders Lien Act* (British Columbia), determining the date of substantial performance and acting as payment certifier for this Agreement and for progressive release of portions of the Lien Holdbacks in respect of Subcontracts;

(v) determine the holdback for any defects or deficiencies in the Work at Substantial Completion;

(vi) verify the Design-Builder's applications for release of the Performance Holdbacks;

(vii) assess the scope of any holdbacks to be made at any time; and

(viii) perform such other functions as are set out in the Design-Build Agreement.

(c) For greater certainty, the Independent Certifier will adjust the amount of any payment to the Design-Builder to reflect the Independent Certifier's estimate of Work satisfactorily performed as of the date of the application for payment, and will not certify for payment of any Work not carried out in compliance with the reviewed Drawings and Specifications.

APPENDIX 2

FEE

[NTD: This Appendix should also include a fee schedule for Functions Variations.]

APPENDIX 3

INDEPENDENT CERTIFIER PERSONNEL