

Item Description Analyzer, HPLC	Equipment Number 2002
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Manufacturer ----- BIO-RAD -----	Model Number ----- D-10 -----
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Further information:

- Uses column chromatography to separate, identifies, and quantifies compounds.
- The D-10 System and accessories provide automated diabetes monitoring and β -thalassemia testing in one compact platform
- Fully Automated
- Primary tube sampling
- Bar coded for positive sample identification
- Compact
- Small footprint
- Touch screen operation
- Printed reports include chromatogram
- Startup checklist printed on power-up
- Simplified user maintenance
- Low maintenance LED-based detector



Specifications:

- Dimensions (mm) (without rack loader): 402W x 476H x 534D; Weight: 35 kg; 77 lbs.
- Rack loader size:
- Dimensions (mm): 255H x 310W x 485D; Weight 14 kg; 31 lb

Electrical

- Voltage: 100-240 VAC
- Power Consumption 250 Watts maximum

Installation Considerations:

- Network connection
- Drain
- Operating Temperature 15 to 30°C
- Operating Humidity 20 to 80%, Non-condensing
- Countertop device
- UPS
- Essential power
- Wet suction at sink
- Data

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Analyzer, ICP

Equipment Number
2004

Manufacturer ----- Thermo Scientific -----	Model Number ----- iCAP 6300 -----
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- Further Description:**
- Wavelength range: 166 - 847 nm
 - Spectral bandpass: 7 pm at 200 nm
 - Detector High performance: CID86 chip
 - RF source: 27.12 MHz solid state ,750 - 1500 watts output power (Duo restricted to 1350 watts)
 - Sample pump: 3-channel, 12 roller peristaltic. Speed 0 - 125 rpm
 - Plasma gas: Fixed 12 L/min, argon
 - Nebulizer gas: Pressure control, from 0 - 0.4 MPd
 - Auxiliary gas: 4 fixed flows, 0, 0.5, 1.0 and 1.5 L/min
 - Standard sampling kit: Concentric glass nebulizer
Glass cyclone spray chamber Semi-demountable torch 1.5 mm bore quartz injector (Radial version) 2 mm bore quartz injector (Duo version)



- Installation Requirements:**
- Bench-top should be 18 " (Min.) from rear wall for service access
 - Exhaust required (Positive pressure, Extraction operational Rate (>265 cubic feet/min))
 - Argon or Nitrogen Gas Required: The recommended configuration is a Liquid Argon tank, with Ar being used both for plasma gases and purge (in most cases this is also the most economical solution). Use a two stage regulator with stainless steel diaphragm. Ar 80 psi , N2 90 psi
 - Water Supply required: Temperature (15°C-20°C) Flow Rate (5l/min) Temperature Stability (±°C) 12mm OD tubing [IF WATER SUPPLY DOSE NOT MEET THE REQUIRE MENTS THEN A NesLab Chiller by Thermo-Fisher MIGHT BE REQUIRED]
 - blast proof room or minimum fire rating requirement
 - Drain
 - Fire Rating Requirements
 - 20A Breaker
 - Essential Power & UPS
 - Meditech

- Specifications:**
- Dimensions: 840 W x 750 D x 590 H
 - Bench top Device
 - Air conditioning: Temperature (15°C - 35°C) Stability (<2°C/hour) Relative Humidity (20-80%)
 - 200-240 V 20 A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Analyzer, Immunoassay

Equipment Number
1011

Manufacturer	Model Number
-----	-----
Siemens	ADVIA Centaur
-----	-----
Roche	Cobas 6000 (e601)
-----	-----

Specifications: Roche

cobas e 601:	approx. 380 kg
Core unit:	approx. 217 kg
Control unit:	approx. 75 kg
• Dimensions:	
Width:	1850 to 4250 mm
Core unit:	60 cm; per cobas c or cobas e module: 120 cm
Depth:	98 cm; per cobas c or cobas e module
Height:	130 cm
Control unit:	Width: 80 cm, depth: 80 cm
• Power:	
Power requirements:	100-240 V 4.6kVA
Frequency:	50 Hz or 60 Hz +/- 0.5 %
• Weight: 425 to 1000 kg	



Specifications: Siemens

Operating temperature	18-30°C
Operating humidity	20%-85% RH non condensing
Electrical	100-240v, 50/60Hz
Dimensions	Height: 32 in/81 cm Width: 43 in/107 cm Depth: 29 in/74 cm (excludes monitor and accessories)
Weight	366lbs/166kg (includes monitor and accessories)
System description	Random access immunoassay system
Throughput	Up to 180 tests per hour in batch or random access mode
Time to first result	15 minutes
Assays on board	15
Total assay capability	100

- Installation Considerations:**
- May Require Floor drain
 - May Require RO Water Supply
 - 220V 20 A breakers
 - UPS, essential power
 - Data
 - May Require Compressed Air
 - Meditech interface
 - Not close to electromagnetic sources
 - Not close to ultra high frequency sources
 - No direct sunlight
 - No perceptible vibration

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description, Analyzer, Organism ID & susceptibility	Equipment Number 1366
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Manufacturer ----- Biomerieux ----- -----	Model Number ----- VITEK 2-XL ----- -----
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Further Description:

- A system is comprised of a PC, Reader/Incubator, and Smart Carrier Station™
- Capable of performing Gram-Negative, Gram-Positive and Yeast Identification and Susceptibility Tests.
- Increase work capacity by connecting 2 Reader/Incubator Modules together



Specifications:

Dimensions

- Height: 26.3 in (67 cm)
- Width: 55.1 in (140 cm)
- Depth: 27.7 in (71 cm)

Weight

- (120 card capacity) 145 kg (320 lb)
- Electrical Power Requirements
- 100/120 VAC (50-60 HZ)
- 220/240 VAC (50-60 HZ)

Power: 10 watts nominal

- Heat: 34 BTU/hr (nominal)
- Power cord: Detachable 3-wire with ground, per IEC 227 or IEC 245

Heat Dissipated

- VITEK 2 XL:682 BTU/Hr. (nominal)

Installation considerations:

- a 2-inch clearance is required on all sides of the instrument
- a 20-inch clearance is required above the instrument

Electrical Requirements

- Four 120VAC outlets are required:
- VITEK 2 system (5.2 amps)
- Smart Carrier Station
- Modem
- DensiChek (can also be used with alkaline batteries)

Environmental Requirements

- Operating Ambient Temperature Range: 68°F-86°F (20°C to 30°C)
- Operating Humidity Range: 20% to 80% relative humidity, non-condensing

- Meditech Interface and DATA
- Essential power & UPS

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Analyzer, Osmometer, single sample,

Equipment Number
1787

Manufacturer ----- Advanced Instruments ----- -----	Model Number ----- Model 3320 ----- -----
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- Further Description:
- Performance at Reference Conditions
 - Linearity: Less than $\pm 1\%$ from a straight line over calibrated range
 - Repeatability: 0 to 400 mOsm: ± 2 mOsm/kg (1 S.D.) 400 to 2000 mOsm: $\pm 0.5\%$ (1 S.D.)
 - Drift: Less than 1 mOsm/kg H₂O per month
 - Temperature Effects: Less than 1 mOsm/kg H₂O for every 5°C (9°F) ambient temperature change
 - Operating Conditions Temperature: 18°C to 35°C (64°F to 95°F)
 - Humidity: 5 to 80% relative humidity (non-condensing)
 - Storage Temp.: -40°C to +45°C (-40°F to +113°F)
 - Start-up Time: 30 seconds from power-on
 - Test Time: 60 seconds



- Installation Considerations:
- Dimensions
- 35.5 cm x 35.5 cm x 38.1 cm
 - (14.0" H x 14.0" W x 15.0" D)
- Weight
- Net: 6.1 kg (13.4 lbs.)
 - Shipping: 11.4 kg (25.0 lbs.)
 - 14 inches of bench space is needed

- Installation Considerations:
- UPS
 - Essential power
 - Meditech Interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

April 2005

Item Description
Analyzer, Pregnancy

Equipment Number
1178.1

Manufacturer ----- Siemens ----- -----	Model Number ----- Clinitek Status ----- -----
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Further description:

- Provides important markers to detect early stages of many disease states, such as diabetes, kidney disease and urinary tract infections.
- Enhances disease monitoring and patient management.
- To detect pregnancy Clinitek hCG Test cassette for use with the Clinitek Status® Analyzer are used
- 200 Patient test results, including Operator Identification.
- Results are sent to a personal computer via a RS-232 serial port using a 9-pin null modem cable.



Specifications:

- 110V AC +/- 20% 45-65 Hz.
- Battery powered operation (optional) 6 AA non-rechargeable alkaline batteries, not included.
- Depth: 10.7 inches
- Width: 6.7 inches
- Height: 6.2 inches
- Weight: 3.65 lb
- (Clinitek Status Analyzer only without batteries or power supply)

Installation Considerations:

- Essential power & UPS
- Meditech interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Analyzer, Renal Stone

Equipment Number
2003

Manufacturer ----- Thermo Fisher ----- -----	Model Number ----- Nicolet iS10 FT-IR ----- -----
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- Specifications:**
- 7800-350 cm⁻¹ optimized, mid-infrared KBr beamsplitter
 - 11000-375 cm⁻¹ XT KBr extended range mid-infrared optics
 - Signal-to-noise:
 - 10000:1 peak to peak in five seconds
 - 35000:1 peak to peak in one minute
 - Room temperature, KBr optics, DTGS detector, 4 cm⁻¹ spectral resolution
 - Wavelength precision: better than 0.01 cm⁻¹ at 2000 cm⁻¹
 - Collection speed: variable from 0.16 cm/sec to 2.5 cm/sec; suitable to slow responsivity (PAS) and high-sensitivity (MCT) detectors
 - Maximum speed: 40 spectra per second at 16 cm⁻¹ resolution, individually collected and stored
 - Spectral resolution: better than 0.4 cm⁻¹, non-apodized
 - Ordinate linearity (ASTM E1421): <0.1%T deviation from 0.0%T, measured at 4 cm⁻¹ resolution



- Technical Specifications:**
- Size: 550 mm x 570 mm x 250 mm (W x D x H)
 - Weight: 39 Kg
 - Regulatory Approvals: CE, ETL
 - Input Current: 3.2A
 - Input Voltage: 100 – 240 V AC
 - Line Frequency: 47 – 63 Hz
 - Noise: less than 2V (common mode)
 - Less than 20V (normal mode)

- Installation Considerations:**
- UPS
 - Essential Power
 - Meditech Interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Analyzer, Sweat Chloride

Equipment Number
1173

Manufacturer ----- LABCONCO -----	Model Number ----- 442500 -----
Supplier: Fisher -----	-----

Further Description:

The Digital Chloridometer is a coulometric titrator designed to determine chloride ion concentrations in clinical samples such as sweat, urine, serum and biological extracts. Referenced in the NCCLS Sweat Testing Method C34A and used in the diagnosis of cystic fibrosis, it provides quantitative determination of chloride ion content. The Digital Chloridometer is useful in calibrating ion specific electrode (I.S.E.) based instruments and is an F.D.A. listed medical device.

- Laboratory standard for determining sweat, serum and urine chlorides
- May also be used to measure the chloride and sodium chloride content of foods, beverages, industrial materials, waste water and other environmental samples
- Micro samples of 0.1 ml or less of serum, sweat and tissue extracts require no prior processing or precipitation of protein before titration
- Total titration time is less than 20 seconds for sample concentrations of 100 milliequivalents per liter (mEq/L)
- Calibrated knob to adjust for variations in pipetting systems, although with standard systems, the instrument requires no calibration
- Blank compensating circuit corrects for background chloride readings between batches of reagent mixtures
- 3-digit display



Installation Considerations:

- UPS and Essential Power
- Meditech Interface

Specifications:

- Power Requirements: 115 volts, 60 Hz
- Power Consumption: 30 watts
- Range: 30-999 mmol/L
- Resolution: 1 mmol/L with standard 3-digit readout; mmol/L with optional 4-digit readout
- Measuring Modes: High and low current
- Reproducibility: $\pm 0.1\%$ (generally limited by sample dispensing system)
- Accuracy: $\pm 0.5\%$ (generally limited by sample dispensing system)
- Titration Time: Less than 20 seconds for 100mEq/L concentration
- Sample Size: 10 μ l on low range setting for direct reading; 100 μ l on high range setting for direct reading
- Display: 3-digit or 4-digit
- Dimensions: 8.4" W x 8.8" H x 8.8" D (212 mm W x 222 mm H x 222 mm D)
- Shipping Weight: 15 lbs (6.8 kg)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

April 14, 2005

Equipment Datasheet

Item Description Analyzer, urinalysis	Equipment Number 1178
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Manufacturer ----- Roche ----- Siemens	Model Number ----- Urisys 2400 ----- Clinitek Advantus
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Further Description:

- Requires data connection to network.
- Streamlined operation with immediate start-up
- Improved efficiency with non pacing processing
- Improve accuracy with automatic calibration for every strip
- Continued productivity boost with throughput of 7 seconds per sample
- Minimize errors with simple, barcode identification of sample, color and clarity values
- Flexibility in reporting options, on-screen display, printout and/or uploading to laboratory information system

Further Description:

- Fully automated urinalysis system providing outstanding convenience and efficiency for medium to high volume laboratories
- Innovative, ready-to use cassette with 400 test strips for fast one-grip loading of strips onto board
- Easy loading of samples via Roche standard racks
- Minimum sample volume of 1.5 ml
- Positive sample identification by integrated barcode reader
- Walk away time of up to 20 minutes
- **Requires data connection to network.**

Specifications:

- Dimensions: 12.75 (h) x 15.75 (w) x 13.75 (d) in, 32 (h) x 39 (w) x 35 (d) cm
- Weight: 7.2 kg (16 lbs)
- Power Requirements: 100 V to 240 V; 50/60 Hz
- Maximum Power Input: 72 VA
- Ambient Operating Temperature Range: 18oC to 30oC (64oF to 86oF)

Specifications:

- User interface: LCD touch screen (90x120 mm)
- Memory: 1000 samples, 3x100 controls
- System interfaces: RS 232 serial interfaces to barcode reader, sediment terminal and PC/Host
- Host protocols: ASTM + and Urisys® 2400 ASTM
- Electrical requirements: 110-240 V, 50/60 Hz
- Physical dimensions: Width: 42.5 cm, Depth: 34.0 cm, Height: 26.0 cm (36.0 cm with upright display)
- Weight: approx. 12 kg

Installation Considerations:

- Data, UPS, Essential power and Meditech interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
AutoClave

Equipment Number
1621

Manufacturer ----- STERIS -----	Model Number ----- AMSCO® CENTURY® -----
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Further Description:

- Amsco Century Small Sterilizers are designed for sterilization of materials used in healthcare facilities. They are available in two configurations: Gravity and Prevacuum
- FEATURES
- Hinged front cabinet panel fully opens
- Resistance Temperature Detectors (RTD)
- Electronic water saving control
- Software calibration
- Automatic utilities startup/shutdown
- Steam purge
- One-piece insulation sleeve
- Lighted DIN connectors



Specifications:

Size (in./mm) :

- 20 x 20 x 38 (508 x 508 x 965)
- If recessed through one wall and using house steam, 20" (508 mm) for 20 x 20 x 38" unit.

Power:

- 208 Volt, 50/60 Hz, 3-phase,
- 83.2 Amps; 240 Volt, 50/60 Hz,
- 3-phase, 72.2 Amps; or 480 Volt,
- 50/60 Hz, 3-phase, 37 Amps.

Weight:

- 622 - 778 kg (depends on the type)

- Heat loss to the front door: 8750 BTU/ Hr
- Min Depth in the wall: 1321 mm
- Min Space required to open the door: 747 mm
- Min Width in the Wall from the center: 686 mm (Left), 813 mm (Right)
- Min Height: 1892 m
- Wall thickness: 102 – 203 mm

Installation Considerations:

- Access to the recessing area from the control end of the sterilizer is recommended.
- Minimal Clearances are :
- If loading car and carriage are to be used with a 20 x 20 x 38" (508 x 508 x 965 mm) sterilizer, front clearance should be at least 76" (1930 mm).
- Floor drain should be provided within confines of sterilizer framework.
- Sterilizer Using House Steam: Steam 1/2" NPT, 50 to 80 psig (3.5 to 5.6 bar) dynamic, 97 to 100% vapor quality.
- Drain: 1-1/2" ODT drain terminal. (Floor drain capacity must handle
- peak water consumption; refer to Engineering Data.)
- Electrical - Controls 120 Volt, 50/60 Hz, 1-phase, 2.0 Amps.
- Sterilizer Feed Water: refer to the attached file
- Ventilation
- Heat loss on all the walls should be considered

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description
Automated Blood Bank

Equipment Number
2010

Manufacturer ----- Ortho-Clinical Diagnostics ----- Immucor -----	Model Number ----- Ortho ProVueTM ----- Galileo Echo -----
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Further description:

- Provides important markers to detect early stages of many disease states, such as diabetes, kidney disease and urinary tract infections.
- Enhances disease monitoring and patient management.



Specifications:

- Operating Temperature: 18 - 28°C (64 - 82° F)
- Site Relative Humidity: 15-80% RH non-condensing
- Dimensions: Fluidics Module: 17" W x 23" D x 13.5" H
- Instrument, w/shroud: 28 W" x 19.5" D x 19" H
- Printer: 14.6" W x 9.6" D x 9.5" H
- Weight: Instrument w/ cover: 84lbs (38kg)
- Fluidics Module: 20lbs (9kg)
- Power Line Range: 100-240V AC 50-60Hz
- Uninterruptible Power Supply (UPS) provided
- Power Consumption: 250 VA

Installation Considerations:

- Entrance to Room: 75 cm (29.52 in.)
- The site needs to have:
 - Digital Thermometer accuracy of 1° C
 - Digital Scale Accuracy of 0.1 mg
- access to the REAR PANEL must be a minimum of 80 to 120 cm (31 to 47 in.) or place the Ortho ProVue on a table with wheels
- Must not be within 6 feet of any equipment that produces excess vibrations, such as centrifuges or cell washers.
- The Ortho ProVue should not be located in an area of direct sunlight.
- Holding table should stand 136 Kg load
- UPS & essential power
- Moveable work bench, with locking wheels
- Rear access for servicing.
- Meditech Interface
- Possible Drain

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Automated Chemistry Line

Equipment Number
2020

Manufacturer	Model Number
-----	-----
Beckman Coulter	
-----	-----
Roche	

Further Description:

- Automates sample login and sorting, cap removal, centrifugation and serum level measurement.
- Hematology outlet for non-centrifuged samples Automated centrifuge and centrifuge conveyor
- Decapper
- One outlet for spun samples going to non-connected workstations consists of:
 - Two immunoassay analyzer
 - Two connections to chemistry analyzers
- Automated, refrigerated, 3,000-tube stockyard with recapper and Secondary decapper
- Sample carriers and line controller computer; PrepLink 3.0 computer and software
- Generic racks Data manager

Specifications: (Beckman Coulter Line)

Component	Qua.	(H x W x D) mm	Wei. (kg)
Inlet station	1	1355 x 800 x 590	110
Hematology outlet for non-centrifuged samples	1	1355 x 800 x 670	120
Automated centrifuge and centrifuge conveyor	2	1120 x 590 x 795	215
Decapper	1	1355 x 400 x 350	55
Serum Level Detector	Optional	1355 x 600 x 495	84
Aliquot unit	1	1555 x 800 x 396	135
Secondary tube labeler	1	1555 x 900 x 396	130
NCCLS connection for UniCel DxI 800 immunoassay analyzer/DxI 800 gantry	2	1700 x 1710 x 970	630
connections for SYNCHRON LX chemistry analyzers	2	1520 x 3560 X 1040	1470
Recapper	1	1275 x 590 x 600	95
Secondary decapper:	1	1355 x 400 x 350	55
Tube Outlet unit	optional	1355 x 800 x 670	125
Automated, refrigerated, 3,000-tube stockyard	1	2600 x 790 x 865	460

- Does not include connection lines and turntables
- Additional maintenance space (clearance) required (Min: 1000 mm sides and above)



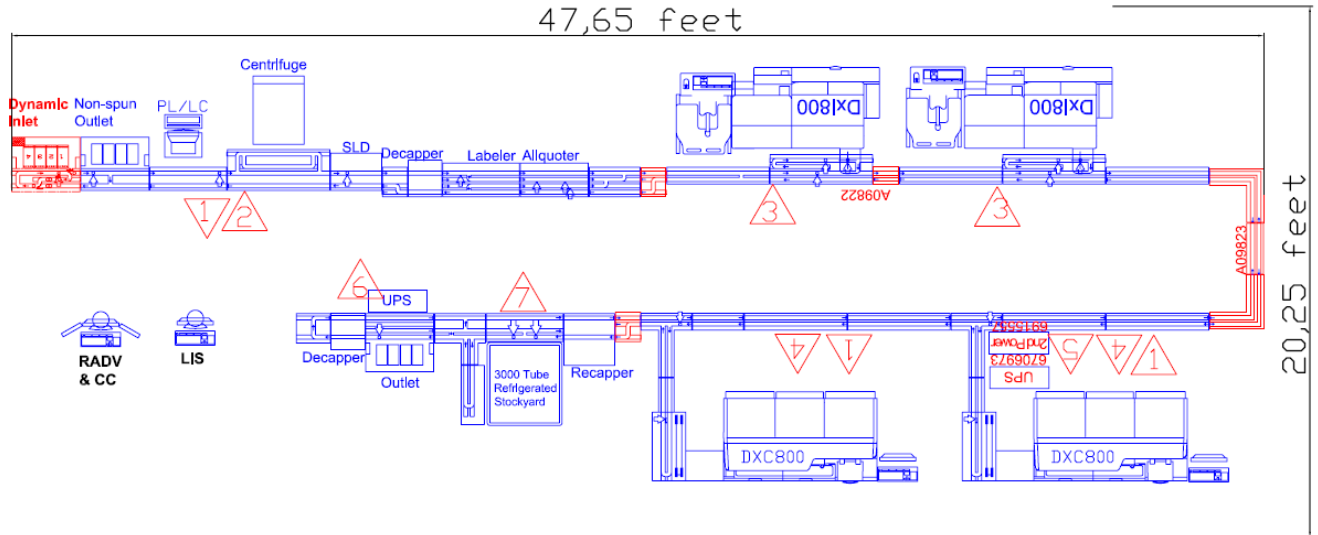
Installation Constitutions:

- Data line
- Wall and floor drain (Central drain port, diameter: >= 50 mm)
- RO water supply
- UPS & Essential power
- Medical Air (Compressed air)
- Meditech Interface
- Numerous power outlets for computer and modules
- Dedicated power lines:
 - 110V single phase, 30A
 - 208-240V single phase, 30A
 - 208-240V 3 phase, 30A
- Approximate heat production > 50,000 BTU

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

April 2010

Beckman Coulter Sample Floor layout

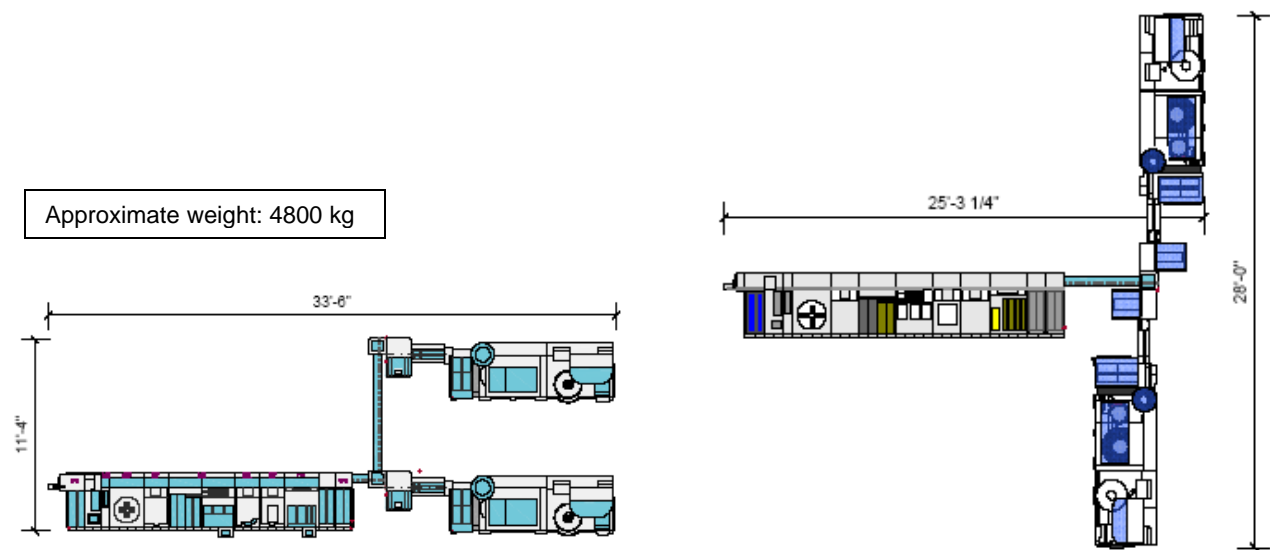


BCI SYMBOLS

SYMBOL	DESCRIPTION
	AIR SUPPLY, OIL FREE, DRY 90 PSI @ 3.0 cfm
	NCCLS TYPE 2 DEIONIZED WATER
	110 VAC 20 AMPS 50/60 Hz Duplex outlet
	220 VAC 20 AMPS 50/60 Hz NEMA L6-20R
	208 VAC 3 PHASE 20 AMPS 50/60 Hz NEMA L15-20R
	208-240 VAC SINGLE PHASE 30 AMPS 50/60 Hz NEMA L6-30R
	WATER DRAIN (16 LITERS/HOUR 36",1 METER)
	INSTRUMENT INTERFACE (REFER TO CSS AND LIS PLAN)
	ANALOG PHONE LINE FOR MODEM

Indicates "roughed-in" location.
 (Install hard drop after equipment is in place)
 (3 places) +

Roche Sample Floor layouts:



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

April 2010

Item Description
Automated Chest Compression Device

Equipment Number
2051

Manufacturer

Physio Control

Model Number

LUCAS Chest Compressing System

Further Description:

- The LUCAS Chest Compression System is an automated compression device that helps relieve the stress of a code by providing continuous, Guidelines-consistent compressions for good blood flow for victims of cardiac arrest.
Lightweight
- Easy to use
- Effective, consistent and uninterrupted compressions according to current AHA guidelines
- Maintain good blood flow
- Increasing operational effectiveness
- Easy to use and efficient to own
- Keep personnel safe during CPR
- Available in a battery-powered version.
- Compression Frequency: 100 ± 5 compressions per minute
- Compression Depth: 1.5 to 2" (4-5cm)
- Compression/Decompression Duty Cycle: 50 ± 5%

Patients Eligible for Treatment:

- Sternum height of 6.7–11.9 inches (17 – 30.3 cm)
- Maximum chest width: 17.7 inches (45 cm)
- The use of LUCAS is not restricted by patient weight



Specifications:

- Polymer Ion battery; Capacity: 25.9V, 3.3 Ah (typical), 86 Wh
- Run time: 45 minutes (typical)
- Maximum battery charge time: Less than 4 hours at room temperature (22°C)
- Weight (including battery): 17.2 lbs (7.8 kg)
- Height: 25.6 inches (65 cm)
- Width : 13 inches (33 cm)
- Depth : 9.8 inches (25 cm)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Automated Medication Dispensing System

Equipment Number
1221

Manufacturer ----- Cardial Health ----- -----	Model ----- Pyxis /Medstation 4000 ----- -----
--	---

- Further Description:**
- Networking: 10/100 Ethernet, RS485
 - Security Features
 - Encrypted password
 - Biometric user ID
 - Fingerprint or barcode badge scan
 - Failed logins report
 - Increases security over access to medications
 - Supports compliance with Joint Commission standards
 - Reduces chances of dispensing medications exposed to inappropriate temperatures
 - Controls costs by helping to prevent medication losses
 - Provides clinicians with more time for patient care

- Specifications:**
- Sealed lead acid battery operation of cabinet
 - Heat evolved : max 1230 BTU/hr
 - Main Unit (6-Drawer)
 - Size: 57.9(W) x 68.6(D) x 139.7(H) cm
 - Weight: 75.1 kg
 - Auxiliary Unit (7-drawer)
 - Size: 57.9(W) x 68.6(D) x 119.4(H) cm
 - Weight: 60.3 kg
 - Console and Rack
 - Size: 76.2(W) x 61(D) x 124.5(H) cm
 - Weight: 58.1 kg
 - 4-Door Tower
 - Size: 29.7" W x 27.0" D x 78.0" H
 - Weight: 167 kg

- Installation Considerations:**
- Rear panel cannot be opened without 2 keys
 - Eyebolt for security cable
 - 115-230 VAC 1-Phase 2-4 Amp 100W
 - Data line



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Automated Sample Preparation System (Flow Cytometry)	Equipment Number 2040
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Manufacturer ----- Beckman Coulter -----	Model Number ----- FP 1000 -----
--	--

Further Description:

- Complex Protocols
- Difficult Testing Panels
- Connecting Multiple Parameters to A Single Sample
- Reliability of Results
- Safe Sample Handling
- Streamlined Data Management



Specifications:

FP 1000

- Height: 82 cm (32 in) x Width: 123 cm (48 in) x Depth: 77 cm (30 in)
- Weight: 91 kg (200 lb)

Computer

- Height: 15.9 cm (6.2 in) x Width: 53.9 cm (21 in) x Depth: 43.0 cm (16.8 in)
- Weight: 18.1 kg (40 lb)

Monitor

- Height 43.1 cm (16.8 in) x Width: 40.8 cm (15.9 in) x Depth: 44.3 cm (17.3 in)
- Weight: 22 kg (48.4 lb)

- Power Requirements Installation Category - Over voltage Category II
- Input Voltages - 100/240 Vac , 48/62 Hz 150 W
- Noise ≤ 65 db
- Operating Temperatures 16 to 32° C
- Operating Humidity Range 30% to 85%, without condensation
- Safety UL, CSA and CE
- Pollution Degree 2

Installation Considerations:

Data

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Amateur (HAM) Radio
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Equipment Number 2060

Manufacturer ----- Com-West Radio (retailer) -----	Model ----- -----
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Further Description:

- Antennas placed on the roof
- Two Coax cables (approx 5/8" each) running from each antenna through the conduit to the EOC room
- Antennas may need to be 100 feet apart on the roof



Installation considerations:

- Two Antenna approximately 100 feet apart, on the roof (a platform is required on the roof for final installation)
- Coax cable to the Emergency Command Center

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

January 2010

Item Description
Analyzer, Polymerize Chain Reaction

Equipment Number
2009

Manufacturer ----- Cepheid ----- -----	Model Number ----- Smart Cyclor ----- -----
---	--

Further Description:

- Blocks of 16 independently programmable reaction sites delivers maximum flexibility. Up to 96 different cycling protocols can be performed simultaneously in one system. Multiple experimental runs can be started at different times, allowing several operators to use the system concurrently.
- The modular nature of the SmartCycler System gives laboratories a great deal of flexibility to meet varying workload demands. System capacity can be easily and cost-effectively upgraded in multiples of 16 module units.



Specifications:

- Automated real-time PCR system. Available in 16, 32, 48, 64, 80, or 96 site configurations.
- Performance parameters
- Heating ramp rates (max.):
- 10 °C/sec from 50 °C to 95 °C
- Cooling ramp rates (max.):
- 2.5 °C/sec from 95 °C to 50 °C
- Temperature duration accuracy:
- ± 1.0 sec from programmed time
- Temperature accuracy:
- ± 0.5 °C from 60 °C to 95 °C
- Melt curve programmable ramp rates:
- 0.1 °C/sec to 1.0 °C/sec

Installation Considerations:

Physical dimensions

- Processing block: 12" w x 12" h x 10" l, 22 lbs
- As little as 2.5 linear feet of bench space
- Smart-Cycler TD travel case: 24" w x 20" h x 25.5" l
- Total weight with processing block, computer & accessories: 74 lbs
- Power requirements
- 100–240 VAC, 50–60 Hz, 350 Watts
- UPS and Essential power
- Meditech Interface

One control unit + one extra block of 16 reaction site are required (a total of 32 reaction sites)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Analyzer, Automated Microscopy

Equipment Number
2005

Manufacturer ----- Sysmex -----	Model Number ----- UF 1000i -----
---	---

- Specifications:**
- Technology - Urine flow cytometry- Two stains with fluorescent dye- Separate bacteria channel for improved discrimination- Modern IT environment
 - Sampler 50 samples on board processing
 - Sample Volume Manual mode : 1mLSampler mode : 4mL
 - Parameters RBC, WBC, Epithelial Cells, Casts, Bacteria
 - Flagging Parameters Pathological Casts, Crystals, Small Round Cells, Sperm, Yeast, Mucus
 - Data Storage 10,000 samples (incl. Scatter grams)
 - Peripheral Interfaces Host line printerGraphic printerHand-held bar code reader
 - Quality Control 24 files with 300 data points each Sysmex control material: UF II CONTROL Levey-Jennings and X-bar quality control programs



- Specifications:**
- Dimensions/ weights w x h x d [mm] / [kg]
 - 580x615x710 / 75.5 (main unit with sampler and integrated pneumatic unit)
 - 305x85x345 / 8 (IPU: information processing unit)
 - Power: 100 – 240 V AC, 500 VA
 - Throughput Maximum 40 - 100 samples / hour
 - Parameters Measured Red Blood Cells, White Blood Cells, Epithelial Cells, Cast, and Bacteria and flags the presence of the following: Pathologic Cast, Crystal, Sperm, Small Round Cell, Yeast like cell and Mucus
 - Rinsing cycles: Automatically performed by the analyzer in accordance with pre-programmed laboratory settings

- Installation Considerations:**
- Drain
 - UPS and essential power
 - Possible RO supply
 - Data
 - Meditech Interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

January 2009

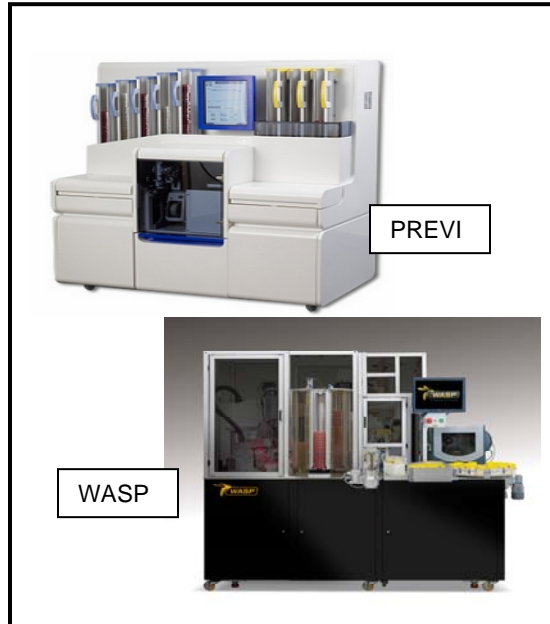
Item Description Analyzer, Automated Plate Streaker	Equipment Number 2008
---	---------------------------------

Manufacturer ----- Biomerieux ----- COPAN	Model Number ----- PREVI Isola ----- WASP
---	---

Further description:

PREVI:

- Sample Capacity Up to 114 samples
- Input cassette 5 – Minimum of 30 plates
- Output cassette 3 – Minimum of 30 plates
- Plate compatibility Regular round plates and bi-plates with outer diameter of 90-94 mm and total plate height of 13.6 mm and 18.6 mm
- Dimensions H 59" x W 67" x D 103"
- Required space : H 79" x W 220" x D 106"
- Weight (unloaded) 657 lb
- Electrical Power Supply 100 – 240 VAC, 50/60 Hz 15 A



Specifications:

WASP:

- 9 Silos for Plated Media with a minimum capacity of approximately 36 – 42 plates each
- (324 – 378 plates total) depending on dimensions of manufacturer's plates
- 1 Set of ESwab Pallets (6 Pallets per Set)
- 1 Set of Triquetra Inoculation Loops (1µl, 10µl, 30µl and 50µl)
- Dimensions 43.5 inches x 81.5 inches x 76 inches
- Weight Approximately 1,300 pounds
- Input Voltage 220V, 20Amps
- Network Ethernet 100 MB
- Interface LIS interface available upon request
- Peripherals Touch screen, external barcode reader, label printer
- Certifications CE, CSA and in Compliance with 61010 Standard for Safety for Electrical Equipment for Laboratory Use
- Electrical Receptacle Plug is HBL2321

Installation Considerations:

- A typical installation will require a space of: width 57.0", a height 67.0" and a depth 36.0" with a weight of 657 lbs. Minimum space required for the front of the instrument to access the waste bin is 35.0"
- Dedicated power source
- The dimensions required are allowing for service accessibility and ventilation for proper airflow and cooling are 19" for rear and each side of the instrument with 55" of clearance in front of the instrument
- Data line
- UPS
- Essential Power
- Meditech Interface
- 240 V 20A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Analyzer, Automated Stainer

Equipment Number
8019.1

Manufacturer ----- BioMérieux ----- -----	Model Number ----- PREVI Color Gram ----- -----
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Further Description:

- PREVI™ Color Gram is an automated gram stainer system for all types of specimens which provides rapid, standardized results. Not only does this small footprint system help save on lab technician time but it economically uses just enough reagent for the task at hand.
- Set the volume of Crystal Violet and Iodine and chose one of the 9 decolorizer cycle settings depending on the thickness of your specimen.
- Slides dry and ready for the microscope in just 3-5 minutes.



Performance Specification

- Slide carousel capacity 12 (PREVI™ Color Gram 12)
- 30 (PREVI™ Color Gram 30)
- Dimensions H 24 cm x W 56 cm x D 53 cm
- Clearance Height (Lid open) 58 cm
- Weight 16.8 kg
- High throughput • 12-120 slides/hour (PREVI™ Color Gram 12)
- 30-300 slides/hour (PREVI™ Color Gram 30)
- PREVI™ Rotor (optional application)
- Capacity 8 chambers and slides
- Weight 1.1 kg
- Dimensions Diameter 22.6 cm x H 6.2 cm
- Speed Programmable 100 to 2000 rpm
- Body Fluids Sputum, Pleural Fluids,
- Synovial/Pericardial Fluids,
- Bronchial Washing, CSF

Installation Considerations:

- UPS
- Essential Power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Analyzer, Blood Culture	Equipment Number 1024
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Manufacturer ----- Biomerieux -----	Model Number ----- BacT/ALERT 3D -----
---	--

Further Description:

- BacT/ALERT 3D 60 handles an annual workload of up to 3,600 blood/body fluid culture bottles, or up to 500 mycobacteria tests.

Controller Module dimensions: (2 required)

- Width: 35.6 cm (14 in)
- Height: 91.4 cm (36 in)
- Depth: 61.7 cm (24.3 in)
- Weight: 57.2 kg (126 lbs)

Incubator Module dimensions: (8 required)

- Width: 49.6 cm (19.5 in)
- Height: 91.4 cm (36 in)
- Depth: 61.7 cm (24.3 in)
- Weight unloaded: 118.8 kg (262 lbs)
- Weight loaded: 133.8 kg (295 lbs)

Bench-top cart dimensions: (9 required)

- Width: 99.1 cm (39 in)
- Height: 85.1 cm (33.5 in)
- Depth: 63.5 cm (25 in)
- Weight: 100 kg (220 lbs)

- A Computer with data line also required (sit on top of one of the carts)
- Total length of 9x99.1=~ 9 m is required, if the system installs in a line fashion**



Specifications:

- Capacity: 240 cells per module
- Electrical Power Services Requirements: 100/120 or 220/240 Volts (50-60 HZ) 720 W (8 module required)
- Power Consumed control unit : (3D 240) 100/240 V.A.C. 117 Watts typical (2 modules required)
- Heat Dissipated per module: 245 Btu/Hr. 2840 maximum
- Sound Emission: 50 dB

Installation considerations:

- Environmental Requirements Operating Temperature Range: 10°C to 30°C (50°F – 86°F) : PROPER AIR FLOW AND VENTILATION IS REQUIRED
- Operating Humidity Range: 10% to 90% relative humidity, non-condensing
- A single analog telephone line must be within 25 ft or 7.62 m of the BacT/VIEW computer for remote access modem capability to be utilized. (DATA LINE)
- The BacT/ALERT 3D system should not be installed under or near a HVAC register or in direct sunlight or bright over lights.
- At least 4 inches or 10 cm of unobstructed clearance must be provided behind the rear of each CM and IM for proper airflow and cooling.
- To provide adequate service accessibility, a minimum unobstructed clearance of 12 inches or 30.5 cm must be provided above and on both sides of the System.
- Meditech interface
- Temperature monitoring

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Analyzer, Blood Gas

Equipment Number
1004

Manufacturer

Instrumentation Laboratories

RADIOMETER

Model Number

GEM Premier 4000

ABL800 FLEX

Further Description:

GEM Premier 4000

- Self-contained, multi-use cartridge PAKs include all testing components
- Maintenance-free – replace the cartridge every 30 days
- Remote management software, enables access to any networked analyzer to see results.
- blood testing at the bedside and in the lab
- Analyze menu including pH, pO2, pCO2, electrolytes, metabolites and onboard CO-Oximetry. Onboard CO-Oximetry and a full complement of parameters

ABL800 FLEX

- Analyzer and PC workstation is one
- USB and Ethernet connection
- Automated quality control by AUTOCHECK
- Automated sample processing
- 128 wavelength for better results
- Graphical interface
- Warm-up time Cold start: 25 min typical. Warm start: 5 min
- Ambient temperature 15-32 oC/59-90 oF
- Relative humidity 20-80 %
- Spectrometer 128-wavelength measurement Hemolyzer frequency 30 KHz intracuvette hemolysis
- Barometer 450-800 mmHg

Specification

GEM Premier 4000

Dimensions and Weight:

- Analyzer: H: 18 in, W: 12 in, D: 15 in, Wt: 44 lbs
- PAK: H: 6.75 in, W: 10 in, D: 8 in, Wt: 8 lbs

ABL800 FLEX

Dimensions:

- Width 70 cm; 28 in
- Height 55 cm; 22 in
- Depth 53 cm; 21 in
- Weight: 33.2 kg; 73.2 lbs
- Power: 100-240 VAC, 50-60 Hz, 270 VA



GEM Premier 4000 with optional Cart

ABL800 FLEX

Installation consideration:

- Interface Protocols
- ASTM or HL7 enables data transmission to a laboratory, hospital or third-party information management system
- Requires data connection to network.
- May require drain (for some models)
- UPS & Essential power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Analyzer, Chemistry

Equipment Number
1010

Manufacturer ----- Ortho-Clinical Diagnostics ----- Roche ----- Beckman Coulter	Model Number ----- Vitros 5.1 FS ----- Cobas 6000 (C501) -----
--	---

Specifications:

Ortho-Clinical Diagnostics

- Dimensions: 92.2" L x 33.4" W x 52.5" H
- Weight: 1400 lbs (640 Kg)
- Plumbing: No water or drain required
- Power: Dedicated 20 ampere, nominal 200-240V AC at 47-63Hz

Roche

- Power requirements: Single phase 208-240 Volts AC Dedicated 4.6kVA
- Frequency: 60 Hz +/- 0.5 %

Dimensions:

- Width: 1850 to 4250 mm
- Core unit: 60 cm; module: 120 cm
- Depth: 98 cm
- Height: 130 cm
- Control unit: Width: 80 cm, depth: 80 cm

Weight:

- Main module approx. 350 kg
- Core unit: approx. 217 kg
- Control unit: approx. 75 kg



Installation Constitutions:

Possible Compressed air

- Oil free; continuous supply
- Minimum Air Pressure - 99.5 psi or 7 bars
- Minimum Air Volume - 2.8 cfm or 80 L/m minimum
- Particle Filtration - 5 µM or less
- Moisture content less than 1%
- Pressure dew point -4°F or -20°C or lower

Installation Constitutions:

- Requires data connection to network.
- Possible wall drain < waste: Central drain port, diameter: >= 50 mm 100 mm above the floor
- Possible RO water supply
- UPS & Essential power
- Meditech Interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description Analyzer, Coagulation	Equipment Number 1006
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Manufacturer ----- Stago ----- Stago	Model Number ----- STA Compact ----- STA R Evolution
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Further Description:

- The STA Compact® is a completely automated, benchtop hemostasis analyzer capable of performing clotting, chromogenic and immunological assays in random access mode.
- The STA-R Evolution® is a fully-automated, stand-alone workstation with robotic capabilities for the total laboratory automation line

Stago STA Compact (Stago STA R Evolution)

- 96 (220) sample capacity on-board
- 45 (70) reagent positions on board @ 15-19 o C
- Fast and easy STAT processing
- Barcode reader for samples and reagents
- 80 test selections
- Flat screen monitor
- Cap-piercing option
- 1,000 cuvettes on-board
- Patented VDS technology
- Maintenance program on-board
- Bi-directional host-query - ASTM protocol
- (200 open definable tests)
- (Flat panel touch screen monitor)
- (Automatic or manual rerun of patient tests)



Stago STA Compact

Stago STA R Evolution

<p>Specifications:</p> <p><u>STAGO STA Compact:</u></p> <ul style="list-style-type: none"> • Height: 25.2 inches • Width: 38.3 inches • Depth: 25.8 inches • Weight: 351 pounds • Voltage: 95-230V~ • Frequency: 50-60 Hz • Power: 1400W <p><u>STAGO STA R Evolution</u></p> <ul style="list-style-type: none"> • Height...49.2 in 1250 mm • Width...50.3 in 1280 mm • Depth...32.2 in 820 mm • Weight...256 kg • Voltage 95-230V~ • Frequency .. 50-60 Hz • Power 2 kW 	<p>Installation consideration:</p> <ul style="list-style-type: none"> • Space needs to be reserved for the device: • H 1875 mm • W 2940 mm • D 1300 mm • Voltage 95-230V~ • Frequency .. 50-60 Hz • Power 2 kW • 3 outlets required • Requires data connection to network • UPS & Essential power • Not locate close to Centrifuges • RO Supply may require • Floor Drain may require • Meditech Interface
--	---

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Analyzer, Electrophoresis + Scanner

Equipment Number
8508

Manufacturer ----- Sebia ----- -----	Model Number ----- Hydrasys 2 ----- -----
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- Further Information:**
- Applicators: 6, 7, 15 or 18 samples for 7, 15, 30, or 54 gels
 - Disposable microporous applicators
 - Optimized application utilizing vertical movement
 - Automated application controlled through software
 - Voltage, current and power regulation
 - 9 staining programs + 3 washing programs
 - Magnetically driven gear pump
 - Safety lid-locks on the migration and staining compartments
 - Test and control programs – Alarms
 - Upgradable software: update using SD card port
 - System controlled by a color LCD touch screen with back-lit panel



- Specifications:**
- Voltage: 115/230 ± 1-%, 50/60 Hz
 - Power: 1000VA
 - Dimensions: 29.8" (78.8cm)L x 8.3" (21.1cm) H x 11.0" (47.9cm) W
 - Weight: 35kg (77.1lbs)
 - Including Scanner

- Installation Considerations:**
- May require Drain
 - Essential power
 - UPS
 - Meditech interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Analyzer, ESR + Barcode Scanner
 Automated Erythrocyte Sedimentation Reader

Equipment Number
 1546

Manufacturer	Model Number
----- Cardinal Health (Diesse) ----- -----	----- Ves-matic Easy ----- -----

Further Description:

- The Ves-matic analyzer is a bench top instrument for ESR measurement, which automatically and homogeneously analyzes the specimens to avoid the inaccuracies caused by inadequate sample preparation and testing technique.
- Mixing and reading are fully automated and incorporated in the same instrument (except MiniVes)
- Homogeneous and standardized mixing (except MiniVes)
- Photometric infrared reading to avoid interference caused by the presence of lipids or bilirubin in the samples
- The end point ESR reading is electronically timed and the actual value of the sedimentation is given.
- The tube has an inclination of 18°
- Results in only 25 minutes
- Temperature correction
- Random access
- Cost-effective system
- Results in 20 min.
- Compact design
- Only 1 ml of blood
- Correlates with ICSH-Westergren's referens method
- Integrates with computer systems
- Optional Positive Sample ID
- Built in printer
- External Barcode reader (Required)
- Reading system: Infrared sensor
- LCD screen of 16 Characters per line
- USB port for HOST connection



Specifications:

- Dimensions: (15x15x22cm) (LxWxh)
- Weight 1,5 kg
- External power supply IN 100/240 VAC
OUT 9VDC
- Meditech interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description Analyzer, Fibronectin	Equipment Number 2013
--	---------------------------------

Manufacturer ----- Hologic -----	Model Number ----- FullTerm™ -----
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<p>Further Description:</p> <ul style="list-style-type: none"> • Total hands-on time less than 60 seconds per test • Walk-away operation: Patient result in 23 minutes • Single-use dry chemistry cassette • Easy to read QC and test results • Internal Quality Control • Performed automatically with every patient test • Verifies analyzer and cassette performance during patient testing • Daily Quality Control • Analyzer QC and System Verification with the QCette® • Verification that the analyzer Performance is within specification • Reusable QC device with results in 3 minutes • Simple to run with QC data stored in memory for easy reference 	<p>Installation Considerations:</p> <ul style="list-style-type: none"> • UPS • Essential power • Meditech Interface
---	---

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Analyzer, Flow Cytometry

Equipment Number
1204

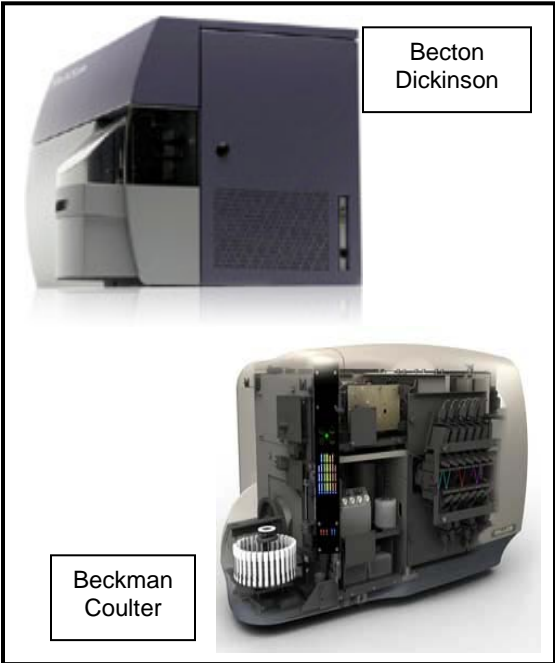
Manufacturer ----- Becton Dickinson ----- Beckman Coulter -----	Model Number ----- FACSCanto ----- Gallios -----
--	---

Further description:

- Flow cytometry is a technique for counting and examining microscopic particles suspended in a stream of fluid.

Gallios:

- Available in 3 configurations
6 color 2 Laser (5+1)
8 color 2 Laser (5+3)
10 color 3 Laser (5+3+2)
- Laser cartridges Picomotor driven beam steering optics Laser control to conserve laser life Allow for easy future integration of new lasers Design for laser flexibility



Specifications:

Becton Dickinson

- Size (D x W x H) Cytometer 24 x 36 x 25 in. (61 x 91 x 64 cm)
- Fluidics cart 24 x 31 x 25 in. (61 x 79 x 64 cm)
- The cytometer depth increases to 30 in. (76 cm) with BD FACS Loader Option installed
- Weight Cytometer 320 lb (146 kg)
- Fluidics cart 112 lb (51 kg)

Beckman Coulter

- Weight: 230 lbs
- Dimensions: W 38 " , H 24" , D 28"

Installation Considerations:

- Power 100/115/230 VAC, 50 – 60Hz
- Operating Environment 16 – 30°C, 20 – 80% non-condensing relative humidity
- Heat Dissipation with BD FACS Loader installed 1843 BTU/hr
- Network connection requires
- UPS and Essential power
- May require RO water Supply
- May require Floor Drain
- Meditech Interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

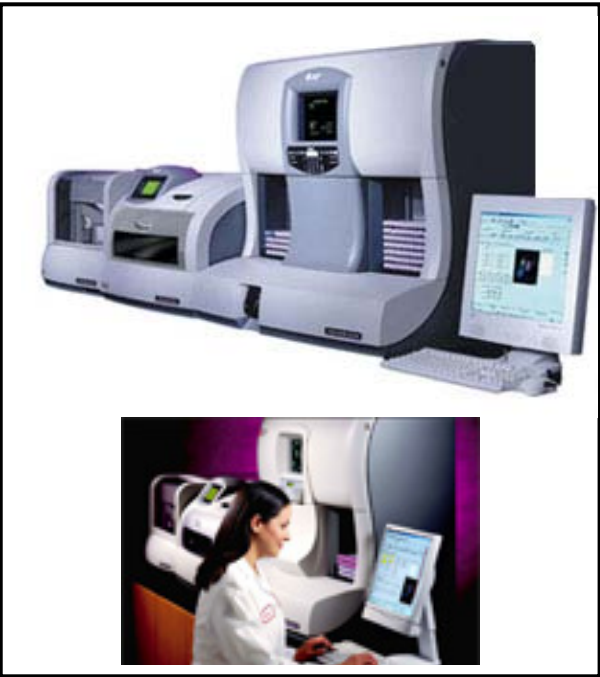
Item Description Analyzer, Hematology

Equipment Number 1012

Manufacturer ----- Beckman Coulter -----	Model Number ----- LH780 -----
--	--

Further Description:

- Fully automated whole blood cell counter capable of throughput of 100 samples/hour
- Automated 5 part differential with accompanying scatterplot/histogram analysis and flagging of abnormal samples. Low degree of false positive flagging
- Automated reticulocyte counting
- Ability to select panel for testing (eg: CBC + diff vs. CBC + diff+retic)
- Reagent system interchangeable with other mfr. models
- Closed cap analysis and continuous automated sample loading for walkaway operation



Specifications:

- Power supply 90-264 Vac 47-63 Hz 1Phase
- Power consumption: max 2080 W
- Air conditioning 5500 BTU/h

Dimensions

- Height 35"
- Width 44" (plus PC/keyboard of 24")
- Depth 24"
- Weight 200lbs

Power supply dimension (separate unit)

- Height: 23"
- Width: 14"
- Depth: 24 "
- Weight: 125 lbs

Installation consideration:

- Requires data connection to network
- If slide strainer and slide makers are required, 53.25 " more width is required
- An open drain, suitable for biohazardous waste, less than 76 cm (30 in.) above the floor
- The maximum waste line length is 3.7 m
- All ventilation fans must be at least 25 cm (10 in.) away from walls or obstructions that could interfere with the flow of air.
- Access to perform service procedures. Allow at least 46 cm (18 in.) for the rear doors plus sufficient room for work space. Units can be moved to obtain additional work space.
- UPS & Essential power
- Meditech interface

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description Defibrillator (Defibrillator Transport)
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Equipment Number 1084

Manufacturer ----- Medtronic Physio Control ----- -----	Model ----- LifePak 15 ----- -----
--	---

- Further Description:**
- Clinical innovations such as carbon monoxide monitoring and CPR guidance via a clinically-proven Metronome
 - Operational innovations including a bright color LCD screen with SunVue™ and the latest Lithium-ion battery technology
 - LIFEPAK TOUGH™ makes it our most rugged monitor/defibrillator
 - Sharing the user interface and footprint of the LIFEPAK® 12 defibrillator/monitor to reduce training and switching costs
 - Optional software for remote ECG transfer



- Specifications:**
- Weight:
- Basic monitor/defibrillator with new roll paper and two batteries
 - installed 8.6 kg (18.9 lb);
 - Fully featured monitor/defibrillator with new roll paper and two
 - batteries installed: 9.1 kg (20.1 lb)
 - Lithium-ion battery: 0.59 kg (1.3 lb)
 - Accessory Bags and Shoulder Strap: 1.77 kg (3.9 lb)
 - Standard (hard) Paddles: 0.95 kg (2.1 lb)
- Dimensions:
- Height: 31.7 cm (12.5 in)
 - Width: 40.1 cm (15.8 in)
 - Depth: 23.1 cm (9.1 in)

- Building Considerations:**
- Essential power
 - Data drop

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description Defibrillator, AED

Equipment Number 1084.1

Manufacturer ----- Medtronic Physio Control -----	Model ----- LifePak CR Plus -----
---	---

Further Description:

- AHA/ERC Guidelines 2005 consistent
- Fully automatic configuration
- Clear, calm voice guides user one step at a time
- Highly visible readiness indicator
- Infant/Child Electrode capability
- Lightweight, compact and durable
- Simplified maintenance
- Compatible with EMS and hospital technology
- Soft carry case and extra set of electrodes included
- Waveform: Biphasic truncated exponential, with voltage and current duration compensation
- Output Energy Sequence: Multiple levels, user configurable from 150J to 360J
- Output Energy Accuracy: $\pm 10\%$ into 50 ohms, $\pm 15\%$ into 25 to 100 ohms
- Infant/Child Reduced Energy Defibrillation Electrodes: Intended for use with any CR Plus defibrillator on children up to 8 years of age or 25kg (55 lbs).

Device Capacity:

- Typical: Thirty (30) full discharges or 210 minutes of "on time" with a fully charged device.
- Minimum: Twenty (20) full discharges or 140 minutes of "on time" with a fully charged device.
- Shock Charge Time: Charge times with a fully charged device: 200 joules in less than 9 seconds, 360 joules in less than 15 seconds.

CHARGE-PAK Battery Charger

- Type: Li/SO₂Cl₂ Lithium Sulfuryl Chloride, 11.7V, 1.4 amp-hours.
- Replacement: Replace after each use, after 30 minutes of accumulated "on" time, or when CHARGE-PAK indicator is visible, typically after two (2) years.



Specifications:

- Height: 10.7 cm (4.2 in)
- Width: 20.3 cm (8.0 in)
- Depth: 24.1 cm (9.5 in), excluding handle
- Weight: 2.0 kg (4.5 lbs) with CHARGE-PAK and electrodes
- Battery Weight: 80.5 grams (0.18 lb)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Diluter

Equipment Number
2012

Manufacturer ----- Hamilton -----	Model Number ----- ML560 -----
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Further Description:

- Programming and method storage is performed using a PC and RS232C communication. The computer controls the MICROLAB 500C instrument based on the method selected or one that has been pre-programmed into the instrument's EEPROM (Electrically Erasable Programmable Read-Only Memory). Up to 16 instruments can be daisy-chained and controlled from the host computer.
- Accuracy: Within $\pm 1\%$
- Precision: Within $\pm 0.2\%$
- Resolution: 0.05% of syringe volume
- Volume Increment: 0.05% to 100% of total syringe volume
- Speed: 1 to 250 seconds per full syringe stroke
- Syringe Drive Mechanism Stepper motor driven high precision lead screw with encoder
- Program Memory: 1 program stored in EEPROM or unlimited storage on a PC
- Communication Interface RS-232, baud rate selectable; TTL out
- Baud Rate: 1,200 - 38,400 Selectable



Specifications:

- Power Requirements: 100-240VAC; 50-60Hz; 80 VA
- Weight: 10 lbs 6 oz (4.7 Kg)
- Height: 11 1/8" (28.26 cm)
- Width: 6 1/8" (15.56 cm)
- Depth: 7" (17.78 cm)
- Fluid Path: PTFE and borosilicate glass
- Shipping Weight 19 lbs (8.6 Kg)
- Certifications CE, CSA, TÜV/GS

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Disinfectors, Bedpan, Small

Equipment Number
11-278B

Manufacturer

ArjoHuntleigh

Model Number

Ninjo

Specifications:

Ninjo

- 9+2: Nine fixed and two rotating nozzles
- Thermal disinfection of the goods with the steam transported into the chamber through all pipes and nozzles
- Smooth, hygienic chamber – no folds or pockets – to minimize the risk of residues or bacteria
- Easily comprehensible display
- Two programs: one for urine bottles and one for bedpans or toilet buckets
- Locked during process
- Wide range of holders for different receptacles
- Easy maintenance and service

Models available:

- Freestanding
- Under-counter



Installation Considerations:

- Drainage floor/Wall , Ø 4 1/4" (110 mm)
- Cold water: Ø 1/2" (15 mm), pressure 70-800 kPa, flow minimum 0.3 l/second
- Hot water: Ø 1/2" (15 mm), pressure 70-800 kPa, flow minimum 0.3 l/second

Dimensions and weights for under-counter models:

	Under-Counter	Free-stand Model
Weight	57 kg	68 kg
Depth	580 mm	580 mm
Height	870 mm	1255 mm
Width	450 mm	450 mm

Electrical

- 240V, 1 Phase, 60 Hz, 1x20 A, 3.5 kW
- 208V, 1 Phase, 60 Hz, 1x20 A, 3.0 kW
- Power consumption: 0.16 kWh/cycle

- Max. External Temperature: 40° C
- Noise level: approx. 58 dB

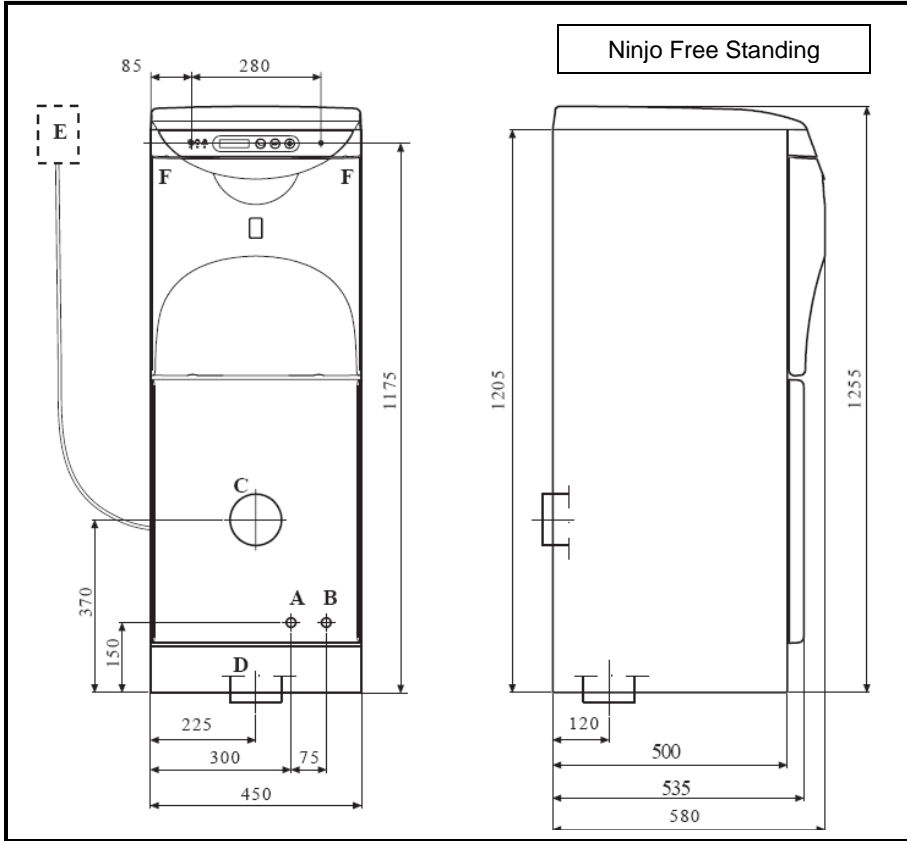
For Ninjo Under-Counter model only:

- Operating at 208 V is supplied with an external transformer box
- The rinse agent will not be fitted inside the unit. The liquid bottles need to be placed in an area adjacent to the unit.

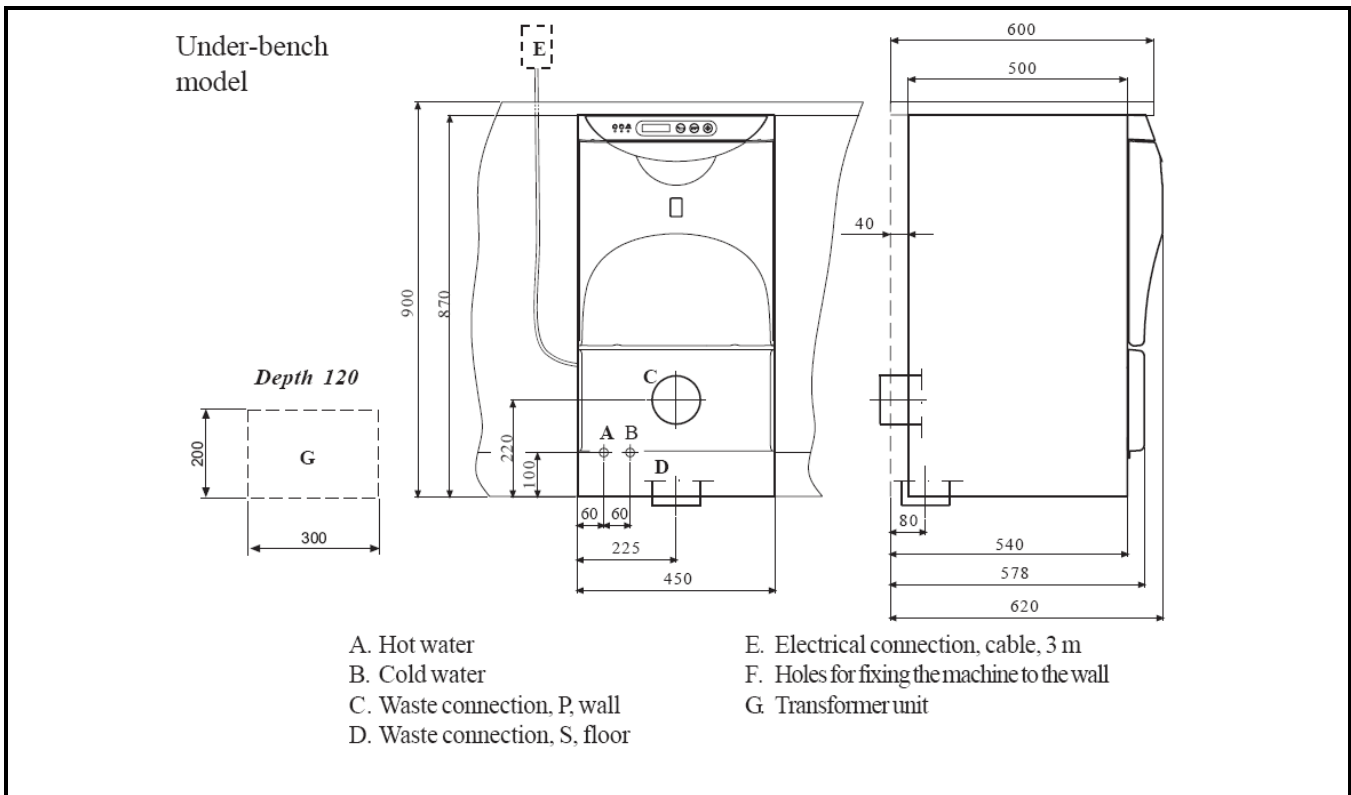
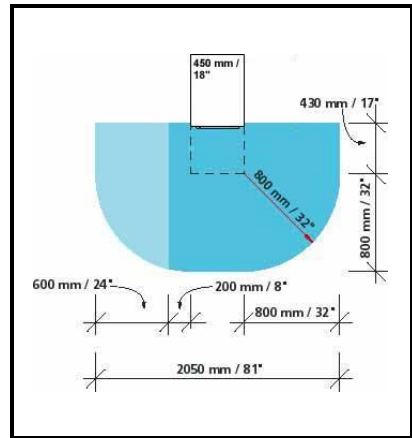
This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

March 2010

Equipment Datasheet



- Two different layouts available for this device as shown in the next drawings.
 - Either floor or wall drain is required (based on the design)
 - Both cold and hot water are required
 - Preferred drainage pipe 110mm (not less than 90 mm)
- Option:
- External cooling (rinse after disinfection with water supplied directly from the water inlet instead of the tank)



- A. Hot water
- B. Cold water
- C. Waste connection, P, wall
- D. Waste connection, S, floor
- E. Electrical connection, cable, 3 m
- F. Holes for fixing the machine to the wall
- G. Transformer unit

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

March 2010

Item Description Doppler, vascular
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Equipment Number 1225

Manufacturer ----- Huntleigh ----- -----	Model Number ----- D900 ----- -----
---	--

Further Description:

- Compact, pocket size, non-invasive tool for vascular assessment
- Require all standard features of Doppler unit plus built-in loudspeaker and enhanced LCD display
- Output via speaker or headphone
- Measure relative blood flow velocity (non-bidirectional)
- Battery operated
- Include 5 and 10 MHz probes - appropriate for vascular assessment in Surgical Suite
- No Services Required
- Durable outer case that provides accurate and easy to read display. Unit is easy to use and carry.
- May require stand



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

December 2008

Item Description
Drug Packaging, Unit Dose

Equipment Number
1413

Manufacturer ----- Euclid Spiral paper tube corp -----	Model Number ----- Wet Cadet ----- Cadet
--	--

Further Description:

- Compact and fast unit dose packaging machine for hospital, long term care or oral solid manufacturing environments.

Specification:

Cadet (dry)

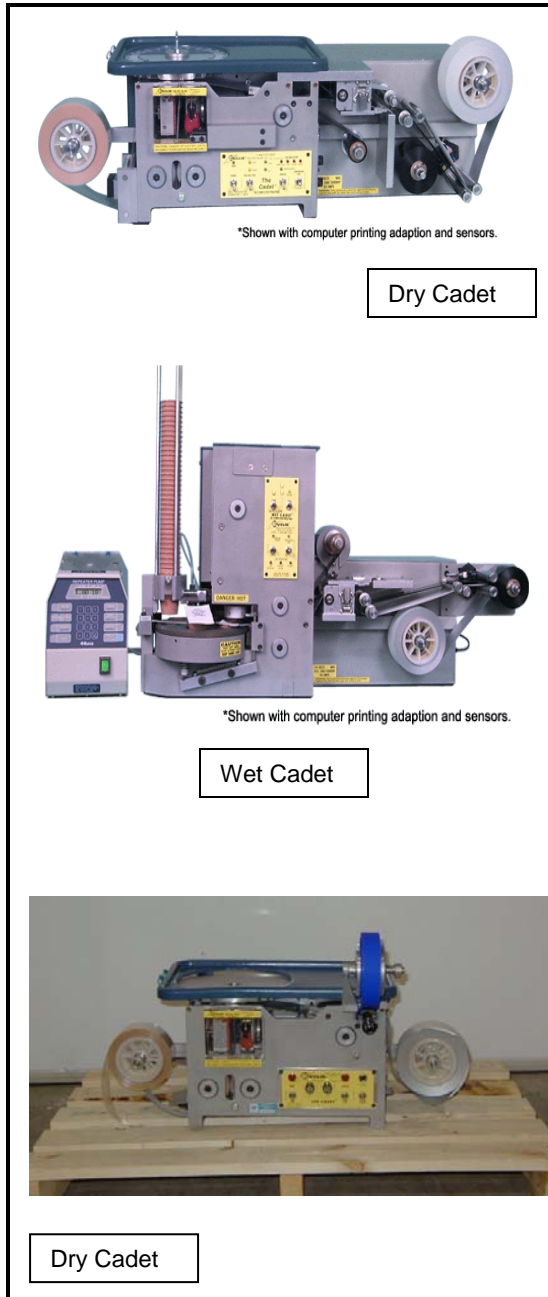
- Speed • 60 units per minute
- Weight • Computer Print - 95 lbs.
- Size • Computer Print L 39" x W14" x H12"
- Printing Computer Printing with Thermal Transfer Printhead
- Feeder Manual Fill Universal Capsule and Tablet Disks
- Electrical: 120 VAC, 60 Hz, 9.5 amps full current load with computer printing

Cadet Wet:

- Speed • Up to 32 units per minute
- Weight • Computer Print - 120 lbs.
- Size • Computer Print: L37 " x W17" H35 "
- Printing • Computer Printing with Thermal Transfer Printhead
- Cups • F.D.A. approved materials
- • Small - 0 mL to 24 mL
- • Large - 0 mL to 42 mL
- Electrical • 120 VAC, 60 Hz, 6.5 amps full current load

Installation consideration:

- A personal computer is required to run the device.
- Space is required around the device
- Data



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July, 2009

Item Description Bassinets	Equipment Number 1032.1
--------------------------------------	-----------------------------------

Manufacturer ----- Hill-rom ----- Stryker -----	Model Number ----- ----- -----
--	---

<p>Description</p> <ul style="list-style-type: none"> • c/w lower storage and upper dressing section • Chart rack/holder • Lightweight design, easy to maneuver • Trend like positioning • Convenient steering handle • SS frame and Wooden Cabinets 	
---	---

<p>Specifications:</p> <ul style="list-style-type: none"> • L x W x H (in) : 32 x 21 x 43

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Bed, Bariatric	Equipment Number 1060
---	---------------------------------

Manufacturer ----- Stryker ----- Hill-Rom -----	Model Number ----- Bari 10 A ----- Excel Care® ES Bariatric Bed -----
--	--

Further description:
STRYKER:

- 1000 lb. patient capacity
- Independent back and knee movement, up/down adjustments, Trendelenburg and Reverse Trendelenburg positioning
- 36" wide mattress support platform sections easily expand to 48" wide
- 80" (expandable to 88") mattress support platform. Integrated foot end extension section extends an extra 8" length for taller residents/patients
- Integrated scale system for resident/patient weight monitoring up to 1000 lbs
- Head and foot end siderails/assist devices
- One-handed siderail release
- Siderails on head and foot sections fold down for easy patient access
- Pendant control for all bed functions with separate selective lock-out to override functions
- Emergency manual release for mattress platform
- Quiet DC motors, Welded steel tubular frame
- Pan-style mattress support platform
- Wide stable base, Heavy-duty casters
- Centerline caster locks, Bed angle indicators
- Soft-tone frame color

HILL-ROM:

- Safely supports patients up to 1,000 pounds
- Expandable width surface offers side air bolster expansion, with both foam and air surface, from 40 to 50 inches for greater patient comfort and safety
- Adjustable length helps keep patients from sliding down in bed
- Seat deflate for easier patient egress and ingress—available with low air loss only
- Robust, easy-to-grip patient-assist siderails allow patients to reposition themselves more easily
- Aesthetic design for patient dignity and satisfaction
- Trendelenburg and Reverse Trendelenburg for easier patient positioning
- Built-in scale for trouble-free patient weighing
- One-handed CPR for quick response in emergencies
- Battery backup for all functions
- Optional pressure relieving, low air loss therapy surface



Specifications:

STRYKER:

- (L x W x H) 98" x 52" x 33.7"
- Max Weight 1000 lb
- 110-240 V 6A

HILL-ROM:

- Maximum overall width: 43"-53" (109.2-128.6cm)
- Maximum overall length: 91"-100" (254cm)
- High position – sleep deck to floor: 29" (73.7cm)
- Power requirements: 120v, 60 cycle AC
- Fuse: 3.15A
- Maximum current: <1.0A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description Bed, Specialty, Bariatric
--

Equipment Number 1060.1

Manufacturer ----- Hill-Rom ----- -----	Model Number ----- Totalcare Bariatric Plus ----- -----
--	--

- Further description:
- Single – Post Patient Helper Trapeze
 - Safety and Efficiency
 - Optional low airloss pressure redistribution surface helps to prevent and treat ulcers
 - IntelliDrive Powered Transport for efficient in-bed patient transport
 - Turn Assist for easier patient repositioning
 - FlexAfoot retractable foot mechanism helps keep patients from sliding down in bed
 - 30-Degree Head of Bed Angle alarm and trending
 - HandsFree® emergency CPR and Trendelenburg Mobility
 - Pulmonary therapies including continuous lateral rotation therapy (CLRT) and percussion/vibration therapy
 - Upright FullChair® position with dependent leg positioning for “up in chair”
 - Chair egress from side and foot-end and seat deflate for easier positioning Dignity
 - Attractive, mainstream design
 - Single-post patient helper trapeze
 - 500-pound weight capacity with 40-inch surface Available Pressure Redistribution Surfaces
 - Multi-layer foam
 - Low airloss pressure redistributing surface
 - Low airloss with pulmonary therapies
 - Continuous lateral rotation therapy
 - Percussion and vibration



- Specifications:
- Height: High Position - sleep deck to the floor 38" (94.0 cm)
 - Width: Side-rails up42" (106.6 cm)
 - Length: Fully extended 93.5" (237.3 cm)
 - 110VAC 10 A

- Installation Consideration:
- Wall mounted 37 Pin connector through CAT5 cables to the hospital network for Meditech and Central Monitoring and remote access (Middleware may be required)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description
Bed, Specialty

Equipment Number
1035

Manufacturer ----- Hill-Rom ----- Stryker	Model Number ----- TotalCare SpO2RT ----- In-Touch
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Further Description:

In -Touch:

- Touch screen interface
- Bed history screen
- Smart maintenance screen
- Event Manager™ screen
- Smart scale
- BackSmart Pivot in-bed patient positioning
- Chaperone three-zone bed exit alarm
- Electric brake with mechanical back-up
- CPR foot pedal and CPR-ready headboard
- Full functionality battery back-up
- Enhanced cardiac chair
- One-handed side rail release
- Side rail-storable patient control pendant
- Radiolucent litter top
- Patient lock-out controls
- Integrated pump holder
- Single 110-volt auxiliary outlet
- LED nightlight
- DC actuators
- Foley bag hooks

SpO2RT:

- Graphical Caregiver Interface
- Manual foot pedal
- Hands-free emergency CPR and Trendelenburg release
- Drainage bag holders
- Brake and steer system
- Wall guard bumper system
- Permanent IV poles on both sides
- Headboard/footboard Speaker
- Patient controls
- Nightlight
- Weight-based pressure settings
- Turn Assist, (optional Module)
- Patient Therapy (optional Module)
- Full Network connectivity



Installation Consideration:

- Wall mounted 37 Pin connector through CAT5 cables to the hospital network for Meditech and Central Monitoring and remote access (Middleware may be required)

Specifications:

SpO2RT:

- Overall length (with roller bumpers) 93.5" (237.5 cm)
- Overall width Side rails up 40" (102 cm)
- Bed height without mattress Max 36.5" (92.7 cm)
- Overall bed weight With maximum options/accessories 585 lbs. (265 kg)
- Bed lift capacity 500 lbs. (227 kg)
- Rated voltage 100-240V AC
- Power/input 9.9 A/5.0 A

In -Touch:

- (L x W x H) 90" x 42" x 33"
- Safe working load 249 KG
- Electrically powered: 110-240 V

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description Bed, Standard	Equipment Number 1037
--	---------------------------------

Manufacturer ----- Stryker ----- Hillrom	Model Number ----- GoBed II® C ----- Care Assist
--	--

Further Description:

GoBed II EX

- Centrally-located brake pedal
- One-hand, intermediate side-rails
- Retractable frame
- Steer control
- Downward motion interrupt
- CPR release and removable headboard
- Dual pedestal lift design
- Three-sided bed motion controls
- Foot end lock-out controls
- Night light

Care Assist ES bed

- Built-in scale
- Integrated bed extenders
- Point-of-Care® controls
- Dual-locking brake casters with audible alarm
- Unparalleled patient security and comfort
- Superior in falls alerting and communication technology



Specifications:

GoBed II EX

- Domestic 120 V AC
- Domestic 4A, 9.8A with auxiliary outlet
- International 100VAC-7.5A, 200 VAC-3.2A, 220 VAC-2.9A
- Current Leakage <100 microamperes
- Overall Length 94.25" (240 cm)
- Siderails Up 40" (102 cm)
- Siderails Down 39" (99 cm)
- Weight Capacity 500 lbs (226 kg)
- Height Range (to litter top)
- High 29" (74 cm)
- Low 14.5" (37 cm)
- Knee Gatch 0° - 28°
- Retraction 10" (25 cm)
- Patient Surface 36" x 84" (91 x 213 cm)

Specifications:

Care Assist ES bed

- Frame width: 39.74" (100.95 cm)
- Frame length with head/ footboard (w/ bumpers)
Normal: 90.04" (228.71 cm) , extended: 94.04" (238.86 cm)
- Width: 36.00" (91.44 cm)
- Bed clearance under frame: 5.00" (12.70 cm)
- Low position floor to deck: 5.75" (42.55 cm)
- High position floor to deck: 32.5" (82.55 cm)
- Max head elevation: 65 degrees
- Max Trend and reverse Trend: 16 degrees
- Caster size: 6" (15 cm)
- Weight limit (Safe working load): 500 lbs

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Bin, miscellaneous Storages

Equipment Number
1591.1

Manufacturer

Akro-Mils

Model Number

Further Description:

Wall Mount Systems

- Free up valuable floor work space.
- Optimize you work area, arrange units on wall as needed.
- Use alone or side-by-side with additional wall mount units.
- Wt. capacity 50 lbs.
- Wall Mounted Units Should be customized to fit your own application

Model Number	Description (L x W x H)	Unit Wt Capacity	Shipping Wt.
30536	Panel Unit Only 37 1/2" x 1 3/4" x 25 3/8"	50 lbs.	35.0

Bin Size	No of Cartons	Shipping Wt.
Panel Unit with 30210STONE Bins	5 3/8" x 4 1/8" x 3"	45.0
Panel Unit with 30220STONE Bins	7 3/8" x 4 1/8" x 3"	51.0
Panel Unit with 30230STONE Bins	10 7/8" x 5 1/2" x 5"	55.0
Panel Unit with 30235STONE Bins	10 7/8" 11" x 5"	55.0

Model Number	Description (L x W x H)	Bin Size	Shipping Wt.
30536320S	Panel Unit with 30320STONE Bins	8 5/8" x 33" x 5"	47.0



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Biological Safety Cabinet

Equipment Number
1298

Manufacturer

The Baker Company

Model

Sterilguard III (603) Advance

Protection	From Particulates	From Vapors and Gases
Type A1 Type A2	personnel, work area (products) and environment	if exhausted to room: none; not for use with vapors and gases if exhausted to facility exhaust system, protects personnel if exhausted to a treated facility exhaust system protects personnel, the work area and the environment
Type B1	personnel, work area (products) and environment	offers more protection to personnel and the work area the closer the vapor source is located toward rear of work area; (offers protection to the environment if exhausted to treated system)
Type B2	personnel, work area (products) and environment	offers protection to personnel; (offers protection to environment if exhausted to treated system)



Specifications: (Class II)

- Electrical
 - Total Amps: 20
 - Volts: 115
 - Watts: 600
- BTU/HR: 2200
- Weight (lb)
 - Net Weight: 810
 - Ship Weight: 1000

Installation considerations:

Exterior dimensions: (for 6' cabinet)

- 70" W , 36" D , 64" H (height without stand)
- Stand height : 28 1/8" – 36 5/8"

Electrical System

- 115V-1. Phase, 60 Hz.
- One 16' power cord with 20-amp plug, NEMA 5-20P.
- Unit is ETL Listed as certified for electrical, fire and personal safety.
- One Ground Fault Interrupt (GFI) protected interior duplex receptacle at 5.0 amps, controlled by a touch pad switch.
- Exhaust Requirement (SG303); External. For an 8" opening: 162 CFM at .02" to .04" water column suction directly above the exhaust filter before any reductions, elbows or restrictions.
- Possible UPS required
- Possible Horizontal Extraction
- Possible External ventilation
- Air circulation space: at least 30 cm space on either side and behind the cabinet.
- Access space: A minimum of 40 cm should be available between the top exhaust filter and the ceiling.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description Bladder, Scanner

Equipment Number 1511

Manufacturer ----- Verathon ----- -----	Model Number ----- Bladderscan BVI 9400 ----- -----
--	--

Further Description:

- Input: Lithium Ion Battery Pack. Verathon P/N 0400-0066.
- Output: No load to full load at rated voltage. Refer to unit label.
- Insulation The power supply is Class I with basic insulation to each terminal.
- Transient Overvoltage: Category II
- Display 13.36cm W x 10.13cm H (5.26" W x 3.99" H) (640 x 480 pixels, 120 dpi)
- Integrated printer Thermal label printer

Specification:

- Weight 5.2 lb (2.36 kg) (with battery)
- Use Indoor
- Ambient Temperature Range +10 - +40° Celsius (+50 - +104° Fahrenheit)
- Atmospheric pressure range 700 hPa - 1060 hPa
- Relative humidity 30% - 75% non-condensing
- Charger Powered by a desktop DC power supply.
- Input voltage 100 - 240 VAC RMS
- Input frequency 50 - 60 Hz
- Input current 1 Amp max



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Warmer, Blanket

Equipment Number
1076

Manufacturer ----- Imperial Surgical ----- -----	Model Number ----- OR 7xxx ----- -----
---	---

- Further Description:**
- All cabinet bodies and interior components are fully welded stainless steel with a #4 polished finish
 - Cabinet bodies are fully insulated with high-temperature non-combustible insulation with an R-6 rating
 - Electrical chases are ventilated by a fan system to ensure proper temperature of internal components
 - Cabinets are free-standing and come complete with adjustable levelling feet
 - Cabinet doors are fully insulated stainless steel with a reversible hinge / handle feature (for left or right opening configurations)



Specifications:

Model #	Dimensions (W x D x H)	Capacity (Cu.Ft.)	Power
OR-7054	(737 mm x 508 mm x 864 mm)	5.2	120V, 3.1A, 300W
OR-7154	(737 mm x 660 mm x 864 mm)	7.2	120V, 3.1A, 300W
OR-7754	(737 mm x 559 mm x 1880 mm)	14.6	120V, 6.0A, 700W
OR-7854	(737 mm x 711 mm x 1880 mm)	19.8	120V, 6.0A, 700W
OR-7954	(737 mm x 711 mm x 1880 mm)	18.1	120V, 9.0 A, 1050W

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Blender

Equipment Number 2048

Manufacturer ----- WestCare Medical ----- -----	Model Number ----- NEO2 BLEND ----- -----
--	--

Further Description

- Accurate
- Dependable
- Economical
- Dual Flowmeters
- 15 LPM
- 3.5 LPM



Specifications:

- Oxygen % 21-100%
- Number of Ports 2
- Left Flowmeter Range 3-15 LPM with no bleed, 1-3 with 3 LPM Bleed
- Right Flowmeter Range 0-3.5 LPM with 3 LPM Bleed
- Accuracy ~ 3% full scale
- Size 8.13 x 6.55 x 4.60 inches OR 20.65 x 16.64 x 11.68 cm
- Weight 4.05 lbs OR 1.84 kg

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Blood Pressure Unit
--

Equipment Number 1215.2

Manufacturer ----- Welch Allyn ----- -----	Model Number ----- Tycos® ----- -----
---	--

Further Description:

Tycos® Aneroids

- 767 Wall and Mobile
- Great looks and certified accuracy.
- Certified accurate to ± 3 mmHg
- Mercury-free and latex-free for safety
- Ruby-jeweled movement for long life
- Laser-engraved dial face for accuracy
- Large, easy-to-read dial face (6.25"/15 cm)
- Built-in cuff storage basket
- Mobile stand has adjustable height and 360° swivel for clear viewing
- Lifetime calibration warranty

Tycos® Aneroid Sphygmomanometers

- 767 Wall and Mobile
- Accuracy and reliability at an affordable price.
- Certified accurate to ± 3 mmHg
- Mercury-free and latex-free for safety
- Jeweled movement for long life
- Thermally treated diaphragm maintains calibration
- Large, easy-to-read dial face (6.25"/15 cm)
- Lifetime calibration warranty



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Blood & Fluid Warming Systems

Equipment Number
1054

Manufacturer ----- Smiths' medical ----- -----	Model Number ----- (HotLine HL 90) ----- -----
---	---

Further Description:

- Keeps blood and fluids warm between 37 - 42°C, delivering warm fluids to the patient

Specifications:

- 120 V
- DISPLAY: LCD
- Temp range, Åc (AUTO MODE PATIENT): 35-43
- DIMENSIONS (HXWXD) CM, (IN) (DISPLAY): 25.4x 20.3 x 22.9
- WEIGHT, kg (lb) (DISPLAY): 6(13)
- HEAT EXCHANGER: Warmed water
- FLOW RANGE, mL/min,:
- with 10Åc input:



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Boom, Ceiling Mount (Equipment Management)

Equipment Number
1556

Manufacturer

TRUMPF

Model

uniPORT –uniPORT ComLine

- Further Description:
- New concept for more efficient patient and equipment management
 - Modular construction so that uniPORT can grow with your demands
 - Unique colour concept creates a pleasant atmosphere for patients and staff
 - Max Load: 80 Kg
 - Max Length of support arm: 2600 mm
 - Max Height Adjustment: 700 mm



- Installation consideration:
- Room layout
 - Floor to ceiling clearance
 - Above ceiling clearance
 - Medical gasses and vacuum
 - Above ceiling strength
 - Bed to Bed distance (min 3100 mm for uniPORT)
 - Data
 - **May require central Nitrogen gas or compressed air for the boom brakes**

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Boom, Wall Mount (Equipment Management)

Equipment Number
1556

Manufacturer

Hill-Rom

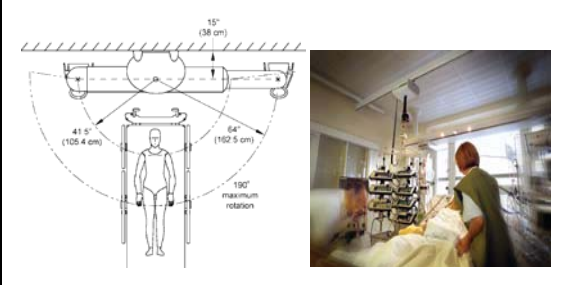
Model

Latitude

- Further Description:
- Easy access to the patient and the head of the bed.
 - Flexible as a ceiling boom & practical as headwall
 - Max dual arm system : 578 kg
 - Max rotation from wall to wall: 190
 - Max boom extension: 162.5
 - Adjustable for 8' to 10' Ceilings with 190° arm move
 - Up to 20 gas service outlets total
 - Electrical Receptacles – up to 40 receptacles
 - Low Voltage or Data – 12 provisions
 - Max Gross Weight for dual system 578kg, and for single arm 379kg
 - Main support structure: 33"W x 8.5"D
 - Service head 9000 series: 46.25"H x 13.25"W x 14.25"D
 - Min Vertical Clearance: AFF 29"-31"
 - Rotational Requirements: Fixed: 41.5", Telescoping Arm: max 69" to outer edges of service head
 - Elevator foot print (for install box): 102"L * 60"W



- Installation consideration:
- The arm system will fit where ceiling height is 244-305 Cm.
 - Device package size: 259x152x213 Cm
 - Package weigh 272 Kg
 - 120VAC 20A supply power (source for attached devices)
 - 120VAC 1A device consumption
- Architectural considerations:
- Room layout
 - Floor to ceiling clearance
 - Above ceiling clearance
 - Medical gases and vacuum
 - Above ceiling and/or floor strength
 - Bed to Bed distance (min 3100 mm for uniPORT)
 - Data



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 25, 2009

Item Description
Bronchoscopy System

Equipment Number
1516

Manufacturer ----- Olympus ----- -----	Model Number ----- EVIS EXERA ----- -----
---	--

Further Description:
EVIS EXERA
Consist of following pieces:

- Cart:
 - Narrow WM-N60
 - Wide WM-D60
- Light Source CLV-160
 - 300W short-arc xenon lamp with ~500 hours continuous use lamp life
 - Emergency Halogen lamp 12V 100W
 - Built in Air feeding Pump
- Video Centre CV-160
 - Image storage and retrieval
- Software EndoWork
Image Manager for Windows
- Printer Sony UP-21MD
Color Video Printer
- Monitor: 23" Flat Screen IPS LCD



Specifications:

- 120 V

Installation Considerations:

- Data
- Essential power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Cabinet, flammable safety

Equipment Number
1068

Manufacturer ----- Justrite ----- -----	Model Number ----- 17353 ----- -----
--	---

- Further Description:
- 22 gallon
 - Undercounter
 - self closing and self latching
 - double wall 18 ga. steel with 1 ½ " air space
 - one shelf adjustable in 2 ¼ " increments
 - 2" flame arrestor vent at rear
 - 2" deep spill well
 - recessed toe kick



- Specifications:
- 35" high x 35" wide x 22" deep
 - Cabinet must safely house flammable products, provide adequate, efficient storage and fit under a 36" counter.

- Building Considerations:
- Possible Positive-pressure ventilation to exterior

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Camera, Retinal

Equipment Number
2032

Manufacturer ----- Clarity Medical ----- -----	Model ----- RetCam3 ----- -----
---	--

Further Description:

- The RetCam 3 is a fully-integrated wide-field digital imaging system for the hospital and clinic.
- Software user interface and ergonomic hand piece.
- Extended video duration allows 2 minute recording
- Brilliant, color images can be viewed in full screen mode for maximum visualization of detail
- Image Annotation
- Frame-by-frame review after video capture allows user to select optimal images

Options include:

- FA (Fluorescein Angiography)
- Five interchangeable lenses



Specifications:

Physical

- 26"(660 mm) wide x 24"(610 mm) deep x 54"(1372 mm) minimum height
- Approximately 200 lbs. (91 Kg) fully loaded

Electrical

- Ratings: 100-240 V~, 50/60 Hz, 700 VA
- Fuses: 3AG 10A 250V slo-blo 5 x 20 mm
- Power consumption: 700W with all options
- Detachable hospital grade power cord

Environmental conditions:

- Temperature: 10° to 35° C
- Storage temperature: -29° to 50° C
- Relative Humidity 30% to 90%
- Atmospheric Pressure: 20.7 to 31.3 inches Hg (70 to 106 kPa)
- Altitude -1255 to 9882 feet (-382 to 3012 meters)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
C-arm (Rad/Fluoro)

Equipment Number
1795

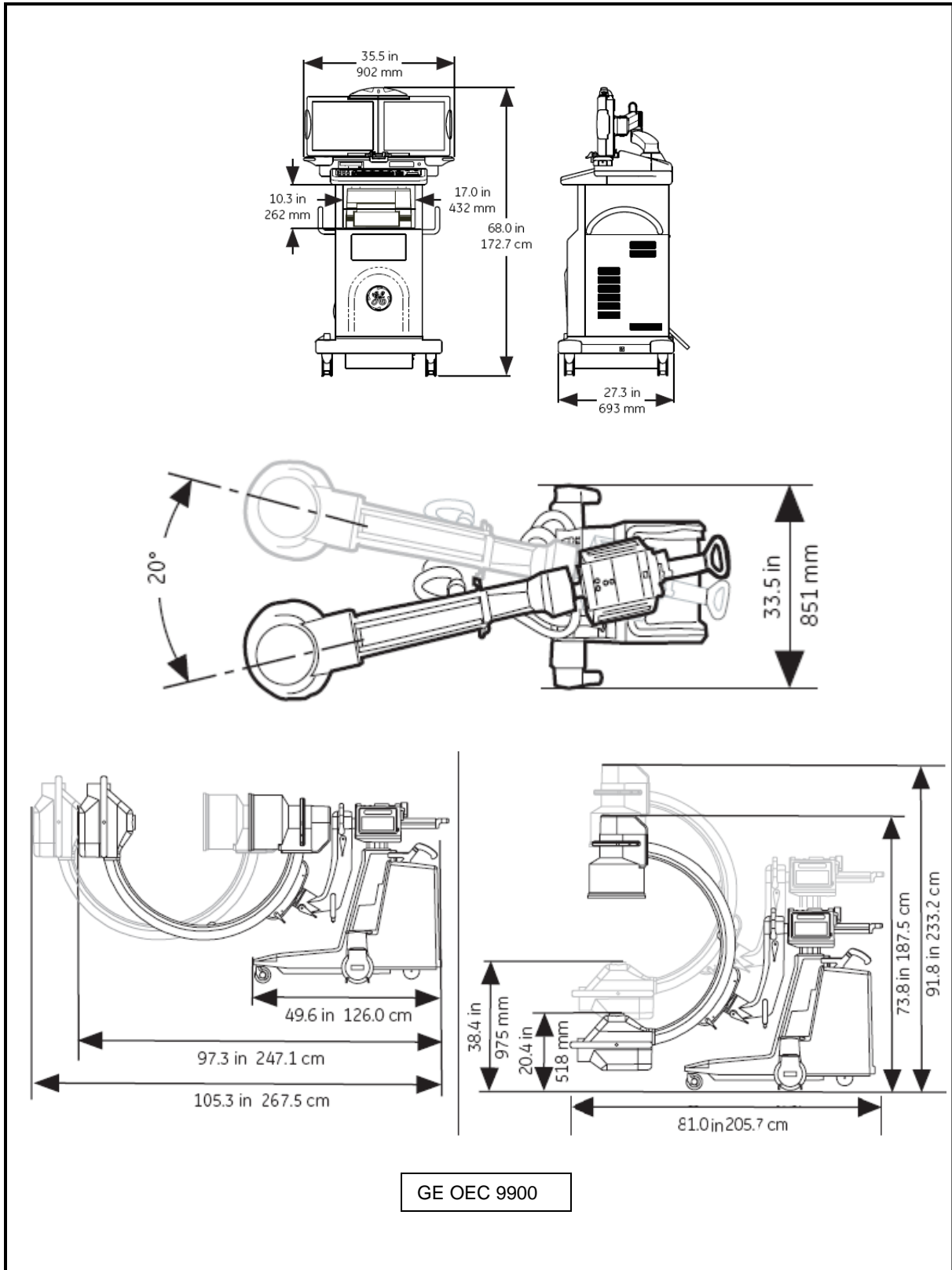
Manufacturer	Model
-----	-----
GE Medical	OEC 9900
-----	-----
PHILIPS	Pulsera
-----	-----
SIEMENS	Arcadis Varic



Installation consideration:

- Minimum door pass should be considered (> 95 Cm)
- PACS data connection
- 110 V wall outlets are required
- Possible Shielding
- 120V 20A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.



GE OEC 9900

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

March 2009

Item Description
Cart, General

Equipment Number
1094.2

<p>Manufacturer</p> <p>-----</p> <p>Armstrong Medical</p> <p>-----</p> <p>-----</p>	<p>Model Number</p> <p>-----</p> <p>A-Smart Premier</p> <p>-----</p> <p>A-Smart Standard</p> <p>-----</p> <p>Specialty</p>
--	---

- Further information:
- Lightweight Aluminum Cart
 - Side shelf
 - Plastic top
 - Push handles (2)
 - Accessory panels
 - TENTE Casters
 - Locking casters (2)
 - Swivel caster
 - Tracking caster
 - Key locking bar (length of bar is equal to Cart size)
 - Stabilizing frame with bumper
 - Durable aluminum mounting tracks
 - 17 colors
 - Auto-Locking Carts
 - Push-Button Locking Carts
 - Narrow Carts
 - Mini Carts
 - Isolation Carts
 - Bedside Carts
 - Wide Carts
 - Emergency
 - Anesthesia / Procedure
 - Pediatric Emergency
 - Accessories
 - Variety of sizes
 - Lockable
 - Durable



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description Cart Locking System
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Equipment Number 2042

Manufacturer ----- Lionville ----- -----	Model Number ----- ----- -----
---	---

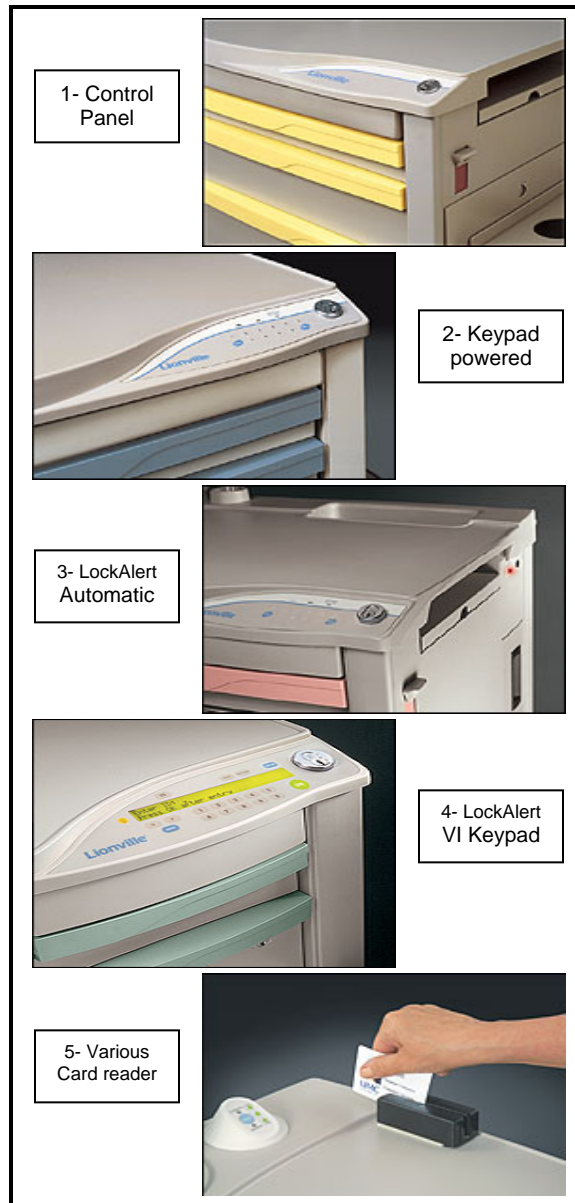
Further Description:

Comprehensive Cart Security Systems with More Choices starting with the basics: a front access control panel with a Best® key lock and a color-coded reloading handle within easy reach

Options:

- Keypad Unlocking
- Keypad Unlocking w/ Lighted Display
- Card Reader Unlocking
- Automatic Relocking w/ Motion Sensor
- Laptop Programming Option
- Detailed Activity Reports
- Keypad-controlled Narcotic Drawers

- 1- Control Panel: with Best Lock unlocks the cart's main lock and releases the color-coded reload handle located on the side of the cart.
- 2- Keypad powered: by a lifetime battery pack allows the cart to be unlocked with one of two valid numeric codes instead of the Best lock.
- 3- LockAlert Automatic Relocking with a motion sensor and adjustable timer prevents the cart from relocking while still in use. An optional on/off switch is also available.
- 4- LockAlert VI Keypad w/ Lighted Display allows up to 1998 different numeric IDs to unlock the cart. User friendly display prompts assist operators and managers through various functions. A laptop computer can be used to download operator ID numbers, names and cart configurations, and to prepare a variety of detailed activity reports. Keyless, Double-locked Drawers can be added to carts to eliminate the use of metal keys entirely. 2000 additional ID numbers are available to access keyless drawers.
- 5- Various Card Readers (bar code, magnetic, proximity) can be added to carts with LockAlert VI to allow operators to unlock the cart by swiping an authorized card with or without an option.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

November 2009

Item Description
Cart, Chart Storage

Equipment Number
260

Manufacturer ----- First HealthCare ----- -----	Model Number ----- Economy Chart Storage ----- -----
--	---

Further Description

- Mobile vertical chart storage for 1", 1 1/2" and 2" ring-binders
- 4 dual-wheel casters allow for quiet smooth mobility
- Available in Economy style or Total Privacy which includes doors, back and side panels
- Beige Level II 635 Series Economy Mobile Chart Rack. 45 capacity (3 x 15) vertical storage for 1", 1-1/2" and 2" side-opening ring binder charts.
- Black pebble-textured epoxy-coated steel end frames and wire dividers, with Spectrum Series color gloss epoxy-coated finish on steel shelves, won't crack, chip, peel, scratch or fray.
- Durable steel end frames with rounded handles for safety.
- Four, (two locking), dual-wheel swivel Black 4" diameter casters with nylon housing.
- Shipped completely assembled.
- Overall dimensions: 57-1/4" H x 42" W x 18" D.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Cart, Crash

Equipment Number
1094

Manufacturer ----- Intermetro ----- -----	Model Number ----- Lifeline LEC 53 ----- -----
--	---

Further Description:

Cart equipped with the following:

- Biphasic defibrillator LIFEPAK 15 w/ adult & pediatric paddles, external pacing, and ECG monitoring & display – for additional detail see the Defibrillator/Cardioversion equipment sheet #1084
- Intermetro Lifeline LEC 53 Cart with
 - IV pole, 2 small , 1 large drawer, vacuum pump mounting bracket and defib swing arm
 - O₂ tank & holder
 - Shelf
- Spoons
- Cardiac board
- Heine Laryngoscope with blade size assortment
- Portable suction unit, battery and line powered see equipment item #1743
- Ambubags, pediatric & adult PMR2
- Dimensions of cart
 - 35"W x 36"H x 23"D



Specifications:

- See defibrillator
- Cart to be easy to maneuver and able to support defibrillator and Gomco suction unit

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Revised: December 2008

Item Description
Cart, Splint

Equipment Number
1592

Manufacturer ----- Sammons Preston ----- -----	Model Number ----- 5503-58 ----- -----
---	---

- Further Description**
- Waterproof: won't warp if something spills.
 - Mobile workstation with 200 lb. capacity.
 - Surface measures 25" x 42" (63.5 x 106.5cm).
 - Vertical dividers in lockable cabinet, which holds 18" x 24" (46 x 64cm) sheets of thermoplastic.
 - Lockable drawer for tools has ball bearing slides for easy opening and closing.
 - Handles on both sides for maneuvering.
 - Two locking casters.
 - Stainless steel. Cart size including handle: 42"W x 25"D x 31"H (1.07m x 63.5cm x 78.7cm)



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Cart, Supply with Secure Storage

Equipment Number
1094.1

Manufacturer ----- Armstrong Medical ----- -----	Model Number ----- Security Drug Box ACV-1PB ----- Premier Aluminum Two-Tone Emergency Carts -----
---	---

- Security Drug Box
- PVC cabinet with PETG clear door (ACV) or Privacy cover (APK) ; provides long lasting durability
 - Corrosion-resistant
 - Can be mounted to a shelving unit (hardware not included)
 - Minimizes set-up time when surgery is delayed
 - Multiple locking choices; simple key locking or push-button locking with key override
 - Dimensions: 14"D x 7 1/2"W x 7 3/8" H
- Cart
- Premier Aluminum Two-Tone Emergency Carts
 - Lightweight Aluminum
 - Slide-thru side shelf
 - Plastic top
 - Push handles (2)
 - Accessory panels (2)
 - Locking casters (2)
 - TENTE Casters
 - Swivel caster
 - Tracking caster
 - Breakaway locking bar (length of bar is equal to Cart size)
 - Durable aluminum mounting tracks
 - 17 colors to choose from
- PAR-30 Specifications:
- Overall dimensions: 45 1/2"H x 25"D x 33 1/2"W (includes bumper/handles/casters)
 - Drawer Size: 17 1/16"D x 22 1/4"W
 - Drawer sizes: 3"H(3), 6"H(2), 9"H (1)



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September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Cart, Wire

Equipment Number
1603

Manufacturer

NHS Healthcare

ACART EQUIPMENT LTD

Model Number

Further Description:

Metro 3-Shelf Wire Utility Carts

- Attractive
- Super Erecta Shelf Construction
- Wire Shelves: Bright, modern, sanitary appearance. Open construction minimizes dust accumulation, maximizes visibility and air circulation.
- Handle material matches shelves
- All casters come with donut bumpers
- MW701 18" x 24" x 34" 3-shelf Chrome Utility Cart
- MW703 18" x 30" x 34" 3-shelf Chrome Utility Cart
- MW705 18" x 36" x 34" 3-shelf Chrome Utility Cart
- MW707 21" x 36" x 34" 3-shelf Chrome Utility Cart
- MW711 24" x 36" x 34" 3-shelf Chrome Utility Cart
- Metro also have Wire Utility Carts with Basket Shelves in 18" x 36" and 18" x 48 configurations.

•

Wire ACart

- **Size: 25"W X 58"L X 72" H**
- 4-tier enclosed carts with 2 brakes- Chrome
- 4-tier enclosed carts- Chrome
- 4-tier open carts with 2 brakes- Chrome
- 4-tier open carts with 2 brakes- Chrome - with accessories
- 4-tier open carts- Chrome
- 4-tier open carts- Duro-Seal
- 4-tier open carts- Duro-Seal - with accessories
- 4-tier open/enclosed carts- Chrome - with accessories
- 5-tier enclosed carts with 2 brakes- Chrome
- 5-tier enclosed carts- Chrome
- 5-tier open carts with 2 brakes -Duro-Seal
- 5-tier open carts with 2 brakes -Duro-Seal - with accessories
- 5-tier open carts with 2 brakes-chrome
- 5-tier open carts with 2 brakes-chrome - with accessories
- 5-tier open carts-chrome
- 5-tier open carts-Duro-Seal
- 5-tier open carts-Duro-Seal - with accessories
- 5-tier open/enclosed carts-chrome - with accessories



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Cart, Wire, Linen, Tow

Equipment Number
1603.1

Manufacturer ----- ebco -----	Model Number ----- -----
---	------------------------------------

Further Description:

- Soft Wrap-Around Bumper
- Casters including Darcor Cart Washable and Colson Hi-tech Performa casters

Models

- 200 CWS - Convertible wire shelves
- 200 CMS - Convertible solid shelves
- 200 FMS - Fixed solid shelves
- 200 U - Uniform cart, with hang rail instead of shelves
- 200 E Series - Enclosed cart, with the same welded stainless steel frame on the inside, and an anodized aluminum skin on the outside.

Options

- Towing Package - tow hitch & hitch pin
- Card holders
- Bar code tags
- Brakes
- Swivel locks



Specifications:

Dimensions

- Standard: 24"W x 63"L x 67.5"H
- Tilbury Size: 24"W x 55.5"L x 67.5"H
- Height includes 6" casters

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Cart, Housekeeping

Equipment Number
1168.1

Manufacturer

Rubbermaid

Model Number

Mega BRUTE

Further Description:

- Capacity: 120 gallons, 400 lbs.
- Maneuverable "diamond" wheel and caster pattern.
- Waste sortation options with Slim Jim® containers and can liner retainer. (Photo shown with 3540 yellow)
- Integrated storage for cleaning supplies.
- Optional full coverage, hinged lid



Supporting Documents:
Product: [Specifications](#)

Specifications:

No.	Description	Dimensions	Capacity	Ship Wt/Ctn	Color
9W71	Mega BRUTE® Mobile Waste Collector, 3 pk	52½" l x 27½" w x 42½" h	120 gal	222.00 lb	BLA
9W73	Mega BRUTE® Mobile Waste Collector, 1 pk	52½" l x 27½" w x 42½" h	120 gal	74.0 lb	BLA
9W72	Mega BRUTE® Lid	49½" l x 30" w x 10½" h	N/A	12.38 lb	BLA

SLIM JIM® WASTE CONTAINER

No.	Description	Dimensions	Capacity	Ship Wt/Ctn	Color
3540	Slim Jim® Waste Container	23½" l x 11" w x 30" h	23 gal	32.9 lb	BEIG, BRN, BLA, BLUE, GRAY, YEL

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Cast Saw with Vacuum

Equipment Number 1493

Manufacturer ----- Stryker ----- -----	Model Number ----- 940 Cast Removal Systems ----- 986 Cast Vacuum -----
---	--

Further Description:

Includes: hand piece, a variety of blades, vacuum and hose.

Hand piece

- Two Speed Control:
 - Standard Speed. Very quiet
 - High Speed. Increased speed for quick removal
- Versatile: May be used with Vacuum or plugged directly into wall.
- Quick Connect Vacuum Mount
- Impact Resistant Housing
- Traditional Ergonomic Design
- Integral Vacuum Housing: Reduces overall size while improving balance and mobility.

Vacuum Unit

- Detachable Cannister Lid
- Tool Bracket: conveniently stores small cast spreader, scissors, screwdriver, and blade removal tool on back of stand.
- Five Wheel Mobile Stand: Provides stability and easy transportation.
- Easy to operate Three Way Power Switch
- Twelve Foot Cord



Specification:

Hand piece

- Electrical: 100-120V~ 50-60Hz 1.5A
- Weight: 2.8 lbs. (1.3 Kg)
- Length: 10.0 in. (254 mm)
- Height: 3.0 in (76 mm)

Vacuum Unit

- Electrical: 100-120V~ AC 60-50Hz 8.5A
- Weight: 13.5 lbs. (6.1 kg)
- Height: 24.4 in. (620 mm)
- Diameter: 8.75 in (222 mm)
- NEMA 5-15P "Hospital Grade" plug

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Cell washer for RBC

Equipment Number
1131.1

Manufacturer ----- Helmer ----- -----	Model Number ----- Ultra CW ----- -----
--	--

- Further Description:**
- Electronic flow meter for consistent, reproducible results
 - Programming flexibility for optimized results
 - Shorter wash cycles for faster results
 - Digital calibration for accurate saline volume
 - 24-place rotor option for increased capacity
 - Lower height profile on bench
 - Saline can be stored below cell washer
 - 24-Place Rotor (Part No. 450002-1)
 - The UltraCW comes standard with a 12-place rotor. An optional 24-place rotor is available
 - Certified to applicable UL and CSA standards by a NRTL.



- Specifications:**
- Electrical 115V / 60Hz / 2.5A: 230V / 50/60Hz / 1.5A
 - Maximum RPM 3,500
 - Height Lid Open 22.5" (57cm)
 - Height Lid Closed 11" (28cm)
 - Width 13" (33cm)
 - Depth 15.5" (39.5cm)
 - Weight 51.5 lb / 23.5 kg

- Installation Considerations:**
- Maintenance and vent space around the device
 - Drain

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description Centrifuge, Multifuge	Equipment Number 2011
--	---------------------------------

Manufacturer ----- Thermo Scientific -----	Model Number ----- Heraeus Multifuge X3 -----
--	---

Further Description:

- Featuring a convenient three-liter capacity and available in both ventilated and refrigerated units, the Heraeus Multifuge X3 offers breakthrough functionality including:
- Increased Capacity and Processing Throughput

Process up to 40 x 50 ml conical tubes (40% more) in a swinging bucket rotor, or up to 14 x 50 ml (100% more) in fixed angle configuration, for significantly increased capacity over competitive models in the same bench space.

- Broad Range of Rotors
- Unmatched Energy Efficiency
- Programmable Controls
- Detailed operation information
- ClickSeal® Bucket Sealing System
- Motorized Lid Latch
- SMARTSpin® Technology



Specification Details:

- Swinging Bucket
- Max Capacity : 4 x 750 ml (w/ TX-750 and BIOLiner rotors)
- Max Speed (rpm) : 6000 (w/ BIOShield 1000A rotor)
- Max RCF (xg) : 7164 (w/ BIOShield 1000A rotor)

Fixed Angle Rotors

- Max Capacity : 6 x 250 ml (w/ F14-6x250LE rotor)
- Max Speed (rpm) : 15200 (w/ 48x2 ml rotor)
- Max RCF (xg) : 25314 (w/ 48x2 ml rotor)

Specifications:

- Temperature range : Multifuge 3SR Plus: -9°C to 40°C
- Height (lid open) 90 cm/ 35.4 in (upright model) 138.5 cm/ 54.5 in
- Height (lid closed) 36 cm/ 14.2 in (upright model) 79 cm/ 31.1 in
- Width 56.5 cm/ 22.2 in (upright model) 55 cm/ 21.7 in
- Depth 67 cm/ 26.4 in (upright model) 67 cm/ 26.4 in
- Weight 86 kg/ 189.6 lb (upright model) 152.5 kg/ 336.2 lb)

Installation Considerations:

- Essential power upon request

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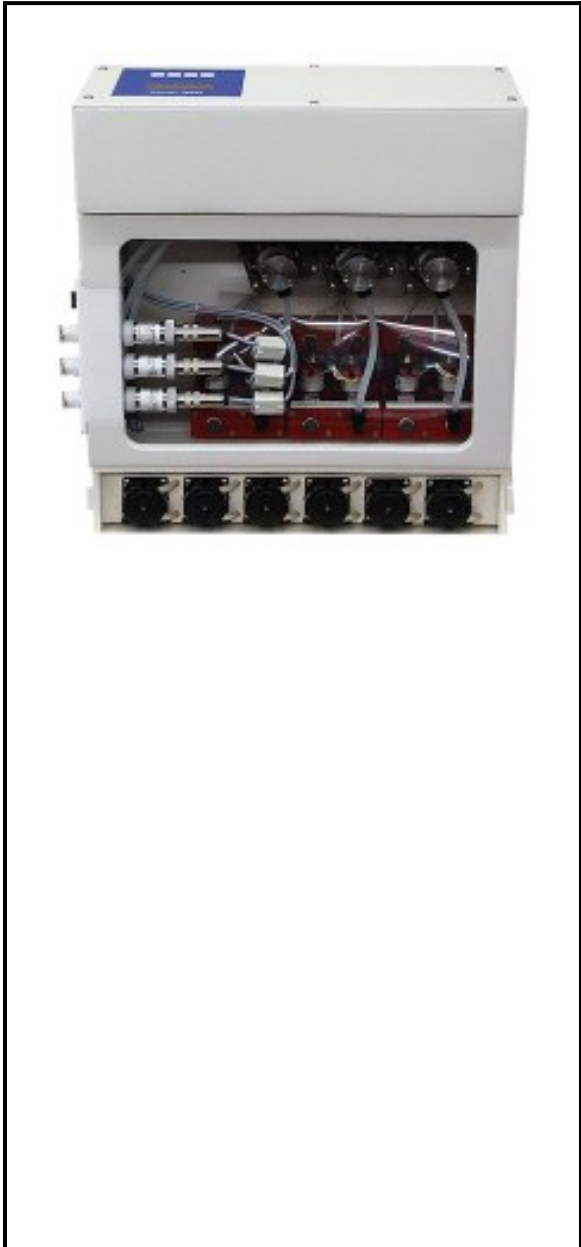
July 2009

Item Description
Central Acid Distribution

Equipment Number
2106

Manufacturer ----- DWA ----- -----	Model Number ----- CECON ----- -----
---	---

- Further Description:
- To supply up to 40 dialysis stations
 - Maximum supply for
 - 1 floor and 3 concentrates
 - 2 floors and 2 concentrates
 - 3 floors and 1 concentrate
 - Direct operation through pressure/volume regulation
 - Automatic concentrate venting
 - Microprocessor controlled
 - Online remote control with program surveillance and fault display



- Specifications:
- Dimensions: 530 x 520 x 200 mm (WxHxD)
 - Weight: 20-22 kg (according to equipment)
 - Mechanical connections
 - Container: Hose ID 10 mm
 - Supply: CPC nipple or DWA supply block
 - Electrical connections
 - Mains plug: Earthing-pin plug
 - Mains voltage: 230 V / 50 - 60 Hz / 250 W
 - Fuses Miniature circuit breaker 16 A
 - Intake temperature max. 25 °C
 - RO water input required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2010

Item Description
Central Bicarbonate Distribution

Equipment Number
2105

Manufacturer ----- DWA ----- -----	Model Number ----- CCMS ----- -----
---	--

- Further Description:
- For up to 35 stations
 - No external tank or reservoir required
 - Requires RO water input
 - Provide continuous supply of fresh bicarbonate - 10 litres per batch
 - Microprocessor controlled
 - Fully automatic heat disinfection required

- Specifications:
- Dimensions:
- W x H x D (mm) 550 x 1300 x 450
 - Weight 100 kg
 - Self monitoring for safety
 - Water feed and recirculation ensuring no dead-legs



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2010

Item Description Centrifuge, Benchtop	Equipment Number 1139
---	---------------------------------

Manufacturer ----- Eppendorf ----- Hettich	Model Number ----- Model 5702 ----- MIKRO 220
--	---

Further information:

Eppendorf

- Extensive range of adapters, nearly all types of tubes can be used.
- Rotors within the 5702 line to be interchangeable.
- Large dials and an easy-to-read display
- Switch between rpm and rcf
- Speed can be set from 100 rpm to max. 4,400 rpm, in increments of 100 rpm
- Parameter locking
- "At Set" function starts timer when set speed is reached for reproducible results.
- Glass window for quick calibration check
- Six rotor options
- SOFT brake functions for delicate samples. Optimized braking ramp for isolation of mononuclear blood cells using Ficoll density gradient centrifugation.
- Speed: 100-4,400 rpm (in 100 rpm increments); Maximum rcf: 3,000 x g

MIKRO 220

- Max. capacity 60 x 1.5 / 2.0 ml
- Max. capacity 48 x 1.5 / 2.0 ml 48 x 1.5 / 2.0 ml, 6 x 50 ml
- Max. RPM (speed) 18,000 min-1
- Max. RCF 31,514
- Running time 1 sec – 99 min : 59 sec, continuous run, short cycle mode (impulse key)



Installation consideration:

MIKRO

- Needs top space to open the door
- Centrifuge must have sufficient ventilation to allow for heat dissipation.
- The holding surface must stand for vibration of the working device.
- Dimensions (mm) H260 x W275 x D344
- Weight approx. 11.5 kg
- Power supply 1 p 100 - 127 V ; 270VA

Eppendorf

- Power supply: 120 V/60 Hz ,230 V/50 Hz
- Maximum power requirement: 200 W
- Dimensions (W x D x H): 12.5 x 16 x 9.5 in (32 x 40 x 24 cm)
- Weight: 44 lb/20 kg
- For both models, UPS and Essential power is required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description Centrifuge, Cytocentrifuge	Equipment Number 1205
---	---------------------------------

Manufacturer ----- Thermo Fisher (Shandon) ----- -----	Model Number ----- Cytospin 4 ----- -----
---	--

- Further Description:**
- Uses centrifugation to prepare thin-layer cell preparations onto glass slides. Centrifugation speeds from 200 to 2000 rpm
 - Easy to operate
 - No special training needed
 - Safety against aerosols
 - Low instrument cost
 - Low cost per test
 - STAT or batch processing
 - High specimen throughput
 - Time efficient processing
 - Space efficient/portable
 - Proven instrument reliability
 - 23-program memory
 - Built-in alarm signals for lid lock, speed control, out-of-balance, and specimen protection
 - System can be utilized for both "air-dried" and "preserved" specimens
 - Smaller screening areas for enhanced screening, throughput and efficiency
 - Maintains cell integrity
 - 6 funnel options to fulfill all of your processing needs
 - Accommodate specimen volumes ranging from: .01ml to 6ml
 - Cell deposition areas of 13mm², 28mm², 72mm², 294mm²
 - Disposable or reusable Cytofunnels®
 - Octospot® funnel for small volumes (.01 to .04ml) and IHC, ISH, & FISH
 - Cytoblock® for preparing cell blocks on the Cytospin



- Specifications:**
- Dimensions (H x W x D) :
 - With Closed Lid: 9.5" x 16" x 24.5" (24 x 40.5 x 62 cm)
 - With Opened Lid: 25" x 16" x 24.5" (62.5 x 40.5 x 62 cm)
 - Weight : 26.5 lbs. (12Kg)
 - Power Requirements : 100-240 VAC, 50/60 Hz, 1 Ph, 150 VA Max
 - Agency Approvals : IEC 61010, CSA, UL, and CE Mark (IVDD compliant).

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Centrifuge, Refrigerated

Equipment Number
1139.1

Manufacturer	Model Number
Beckman Coulter	Allegra X-15R
-----	-----
Hettich	Rotanta 460R
-----	-----
Thermo Scientific	Sorvall Legend Mach 1.6R

Further information:

Beckman Coulter Allegra X-15R

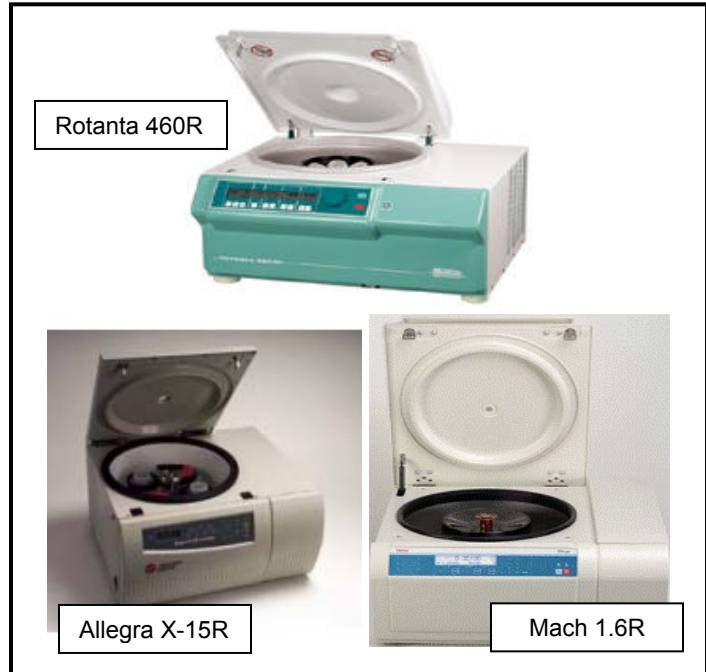
- Refrigeration Yes, CFC-Free
- Max RPM 4,750 rpm (swing bucket), 10,200 rpm (fixed angle)
- Max Force 5,250 xg (swing bucket), 11,400 xg (fixed angle)
- 6,130 x g (Swinging-bucket)
- Maximum Capacity 4 x 750 mL
- Run Time Timed (Up to 9 hrs, 59 min)
- Noise at Max Speed ≤ 68 dBA
- Accel/Decel Profiles 10 Independent
- Temperature Range -10°C to +40°C

Rotanta 460R

- 4 x 750 ml at max. 4,779 RCF
- up to 24 microtitre plates / 4 filter plates at max. 4.235 RCF
- 18,038 RCF with a max. capacity of 6 x 94 ml
- 14,025 RCF with a max. capacity of 6 x 250 ml
- 24 microtitre plates / 4 filter plates at max. 4.235RCF
- 24,400 RCF with a max. capacity of 30 microcentrifuge tubes (1.5 / 2.0 ml)
- 120 blood collection tubes at max. 4.637
- Max Capacity: 4 x 750 ml Swing-Out
- Max RPM/RCF: 15,000/24,400 Fixed Angle
- Temperature: -20 to +40°

Mach 1.6R

- Speed Range : 300 – 15,000 adjustable in 10 rpm increments
- Maximum RCF : 24,652
- Maximum capacity : 4 x 400 ml with swinging bucket rotor and round buckets 6 x 94 ml with Highconic® fixed-angle rotor
- Temperature range (Mach 1.6 R) : -9 to +40, CFC-free refrigerant



Installation consideration:

- Needs top space to open the door
- Centrifuge must have sufficient ventilation to allow for heat dissipation.
- There must be 7.6 cm (3 in.) clearances at the sides and back of centrifuge.
- The holding surface must stand for vibration of the working device.

Specifications:

Beckman Coulter:

- Dimensions(cm) Lid Closed 65W x 68.5D x 40.5H
- Dimensions (in) Lid Closed: w x h x d: 30 x 13.5 x 24. 5
- Weight without Rotor 124 kg (273.4 lbs)
- 208 V 60Hz

Hettich Rotanta

- Power supply: 110-240 V 50-60 Hz, 20A
- H x W x D in mm: 453 x 770 x 707
- Weight: 125 kg

Mach 1.6 R

- Dimensions (H x W x D) inch (mm) : 14.3 x 27.0 x 26.2 (365 x 686 x 665) 12.4 (316) working height
- Weight lb (kg) :259 (118)
- Electrical 120V (60Hz) or 230V (50/60)
- For all models, UPS and essential power is required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Centrifuge, small stat (Serofuge)
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Equipment Number 1135

Manufacturer ----- Hettich ----- -----	Model Number ----- EBA 21 ----- Rotors : 1126 & 1416 -----
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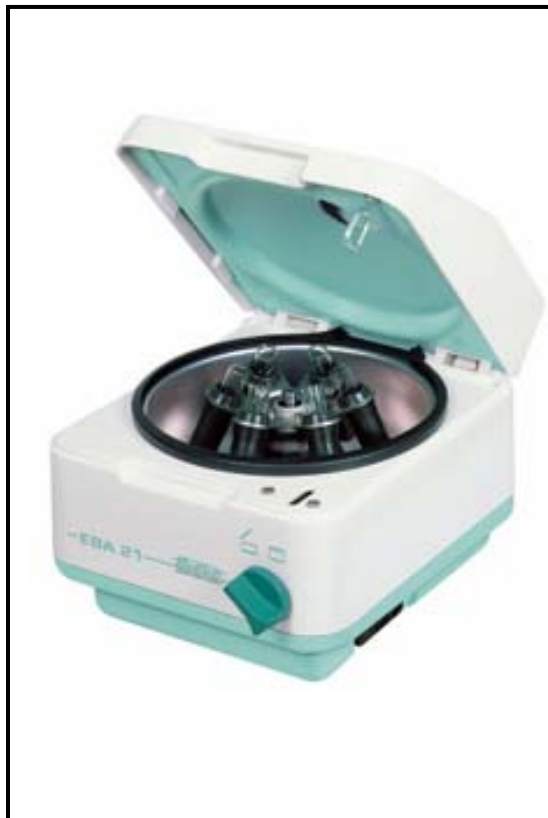
Further Description

Maximum capacity:

- In an angle rotor: 6 x 50 ml
- In a swing-out rotor: 6 x 15 ml
- In a hematocrit rotor: 24 standard capillaries
-
- Max. speed (RPM): 18.000 min⁻¹
- Max. RCF: 25.718
- Dimensions (H x W x D): 247 x 275 x 330 mm
- Weight: approx. 11 kg
- Refrigeration: Air cooling

Frequently used rotors:

- Angle rotor for 6 x 50 ml, max. RCF 3,904 – Cat. No. 1116
- Angle rotor for 30 x 1.5 / 2 ml, max. RCF 21,255 – Cat. No. 1089
- Swing-out rotor for 12 x 6 ml (60°), max. RCF 2,960 – Cat. No. 1126



TECHNOLOGY	EBA 21	
Small centrifuge, without rotor		
Power supply ³⁾	220–240 V 1 ~	110–127 V 1 ~
Frequency	50–60 Hz	
Consumption	500 VA	550 VA
Emission	EN 55011 group 1, class B EN 61000-3-2, EN 61000-3-3	FCC class B
Immunity	EN 61000-6-2	-

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July 2009

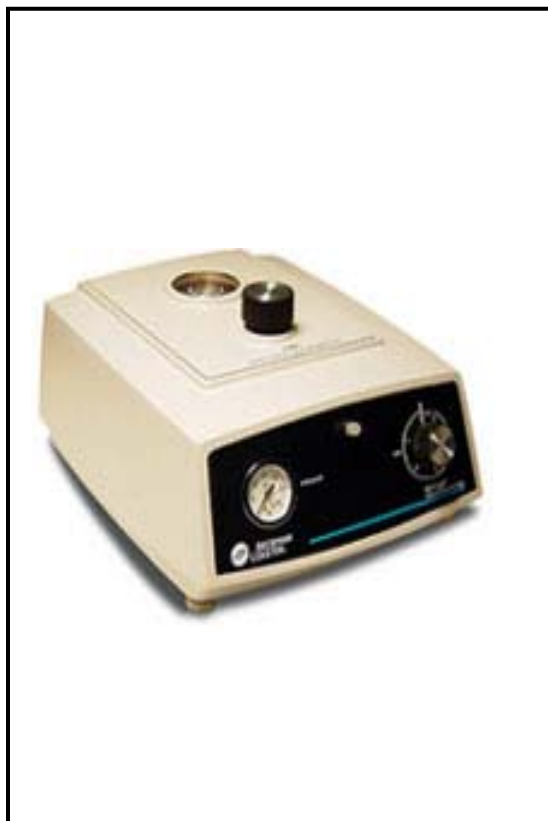
Item Description
Centrifuge-ultra (airfuge)

Equipment Number
1786

Manufacturer ----- Beckman Coulter ----- -----	Model Number ----- 362781 Airfuge ----- -----
---	--

Further Description

- Lipemic samples can be cleaned in 10 minutes
- Reaches top speed in 30 seconds.
- Decelerates smoothly to help keep sample contents separated.
- Operates a few degrees above ambient temperatures.
- Run timed runs up to five hours, with hold position for long runs.
- Batch rotor pellets particles from a large sample.
- Electron microscopy particle-counting rotor (EM-90) sediments particulates from very small volumes onto supports suitable for insertion into an electron microscope.
- Four fixed angle rotors (A-110; A-100/18; A-100/30; and A-95) generate the high speeds and forces necessary to perform a variety of tasks.



Performance Specification:

- Requires 42 psig (290 Kpa) air pressure at 0.0016m³/sec (3.5 scfm) for routine operation. Connecting hose and air filter included with instrument.
- Rotor ordered separately – ACR-90 Chylomicron Rotor. Includes rotor, stand/vise, package of liners and adapters. PN#341260

Installation Considerations:

- Compressed Air

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Chair, Modified Barium Swallow

Equipment Number
1634.1

Manufacturer	Model Number
-----	-----
TransMotion Medical	TMM3
-----	-----
-----	-----

- Further Description:**
- 350 Lb Patient Weight Capacity
 - 90° Rotating Chair Section
 - Infinite Patient Positioning
 - Low 24" Seat Height With
 - Cushioned Side Rails
 - Full Radiolucent Backrest
 - Head, Torso, Leg Straps
 - Quick Change Battery
 - Auto-Extending Foot Rest
 - Manual Quick Release
 - Easy Mobility
 - All Metal Surfaces
 - Compact Footprint
 - Pediatric Option



- Specifications:**
- Height Range - High 32"
 - Height Range - Low 24"
 - Patient Seat Width 24"
 - Patient Back Width 15" (38cm)
 - Overall Width 29"
 - Patient Surface Length 76"
 - Overall Chair Height - High 62"
 - Overall Chair Height - Low 54"
 - Max Patient Weight 350 lbs
 - Backrest Articulation 0° to 90°
 - Side Rail - Height 11"
 - Side Rail - Length 21"
 - Battery Pack
 - Volts 24 vdc
 - Capacity 4.5 ahr
 - Charging System
 - Input
 - Volts 100-240vac
 - Current 1.0a (max)
 - Frequency 50/60 hz
 - Output +24v dc 1.5a

- Installation Considerations:**
- Electrical floor outlet may be required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

November 2009

Item Description

Closed Waste Disposal Unit

Equipment Number

1003

Manufacturer

Vernacare

Model

Vortex/Enviroflash

Solo



Further Description:

Enviroflash or Vortex

- Zero clearance installation on sides
- Service access available from the front and top
- Angled front panel allows for side-approach
- Cycle Time: 115 seconds
- Electrical Requirement: 110 volts
- Water Usage: Cold Water only
- Exterior Housing: Stainless Steel
- Foot pedal to open (Vortex Only)

Solo

- Can be installed in patient washrooms
- Suitable for low volume pulp usage locations – ICU, Isolation Rooms
- Appropriate for long term care facilities
- Dimension: (44d x 36w x 96h (cm) or 17.32" d x 14.17" w x 37.8" h)
- Integrated start button: completely sealed for infection control purposes
- Cold water
- <50 sec cycle
- Quiet
- Can be used at night
- Tilted opening
- Opens to approximately a 90 degree angle

Installation considerations:

Enviroflash

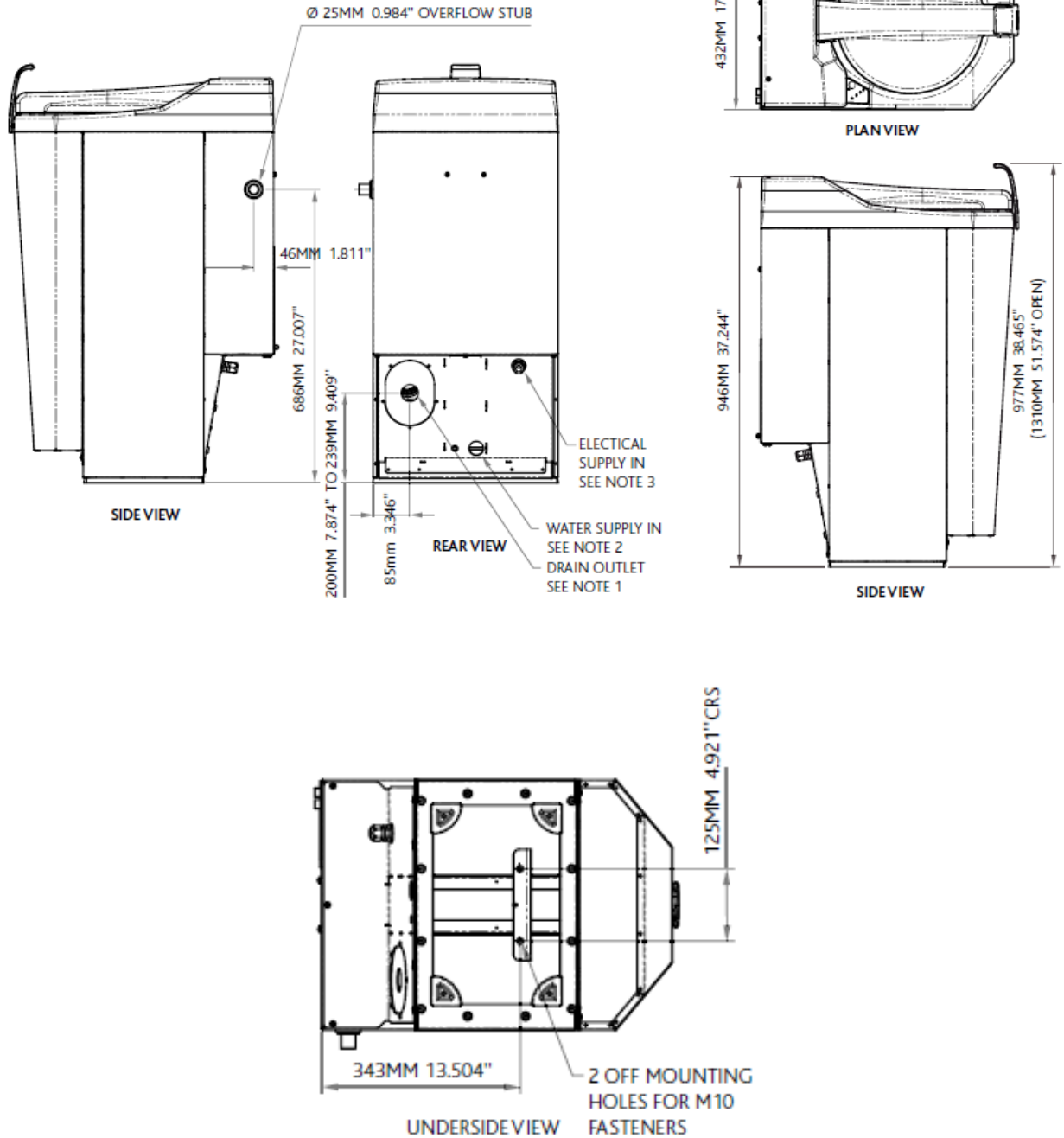
- Drain outlet terminates at a fitting suitable for a 50mm (2") dia. pipe stub with outlet height adjustable between 200mm (7.874") to 239mm (9.409"). P trap supplied and fitted internally.
- Water supply in via 700mm (27.56") long 10mm (0.394") bore flexible water inlet pipe with 3/4" GHT female thread supplied.
- Electrical Supply: Connect to a 20 amp circuit with motor switch.
- The recommended clearances for the Disposal Unit are 6" at the rear and 5" on each side
- Ensure floor area is firm and level

Solo

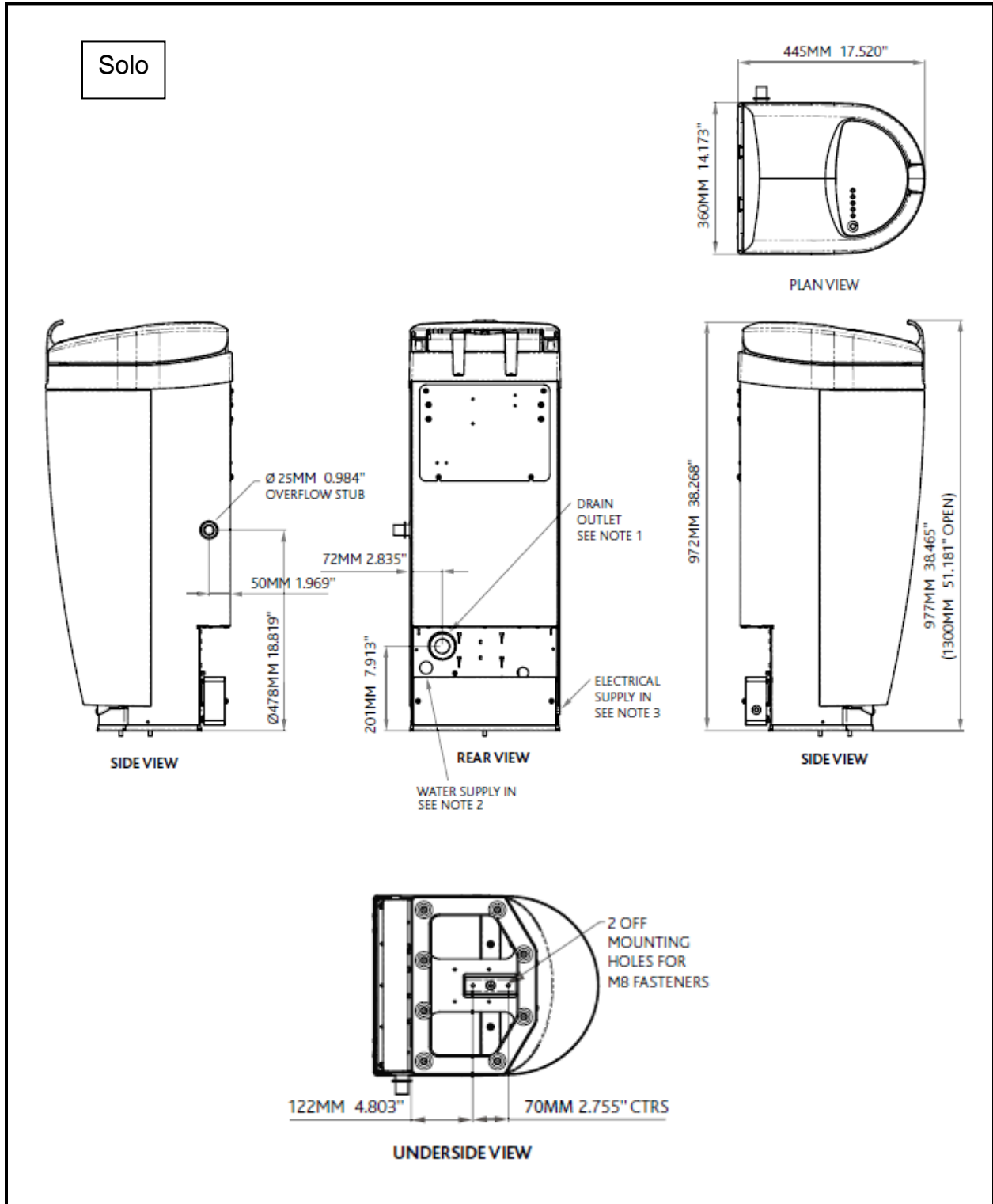
- Drain outlet terminates at a fitting suitable for a 38mm (1 1/2") dia. pipe stub. P trap supplied and fitted internally. maximum run of machine to the soil drain is 6' 7"
- Water supply in via 700mm (27.56") long 10mm (0.394") bore flexible water inlet pipe with 3/4" GHT female thread supplied.
- Electrical Supply: Connect to a 15 amp circuit with motor switch.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Enviroflash



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Conductivity Tester, Neo

Equipment Number
2049

Manufacturer ----- Mesa Labs ----- -----	Model Number ----- NEO-STAT+ ----- -----
---	---

Further Description:

- Is a convenient hand held syringe style meter for quick and accurate measurement and verification of conductivity and temperature of the final dialysate. The small size is convenient to use and stores easily when not in use.
- Conductivity Range .10 to 1.99; 2.0 to 19.9 ; 20.0 to 120 ;120.0 to 200.0
- Resolution .01 mS/cm ;0.1 mS/cm ;1 mS/cm ;10 mS/cm
- Accuracy $\pm .01$ mS/cm ; ± 0.1 mS/cm; ± 2.0 mS/cm; ± 30 mS/cm
- Temperature: Range 10.0° to 90.0° C
- Resolution 1° C
- Accuracy ± 1 ° C



Specification:

- Physical Specifications
- Dimensions H 10.0 x W 2.5 x D 1.0" (25 x 6.25 x 2.5 cm)
- Weight 7.33 oz. (208 g)
- Power Battery: Battery Type 9V Alkaline



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Confidence monitor housing	Equipment Number UBC23
<p>Further Description:</p> <ol style="list-style-type: none">1. The lecture theatre shall be equipped with a millwork housing for the confidence monitors, located at the front of the first audience seating/table row.2. The confidence monitor millwork shall be suitable in size to accommodate two side-by-side flat screen displays. The size of the flat screen displays will be a minimum diagonal image size of 42". The confidence monitor millwork should take into account display dimensions based on commercially available displays.3. The confidence monitor millwork shall allow the displays to be 'wall' mounted in the housing, using commercially available wall mount brackets.4. The confidence monitor millwork shall provide secure accommodation for the displays, including a removable, clear glass front cover with security and anti-glare film.5. The confidence monitor millwork shall permit the fronts and backs of the displays to be accessed for in-place servicing.6. The confidence monitor millwork shall permit for the displays to be easily removed and re-mounted for installation, servicing, and replacement.7. The confidence monitor millwork shall be lockable for security purposes.8. The confidence monitor millwork shall be equipped with an audible alarm for security purposes.9. The confidence monitor millwork shall provide sufficient ventilation for the displays using active air exchange10. The confidence monitor millwork ventilation shall utilize one active exhaust, mounted near the top of the millwork, and one active air intake, mounted near the bottom of the millwork. The air intake and exhaust fans shall be shock mounted and shall have a tonal and broadband noise level of 25dB maximum.11. The finishing color of the confidence monitor millwork shall be coordinated with the finishing color of the audience desks.12. The confidence monitor millwork shall provide access and the required openings for power and low voltage audiovisual connections to the displays.13. See attached conceptual plan, section and elevation drawings.	

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description CR Reader

Equipment Number 1189

Manufacturer ----- AGFA ----- Kodak	Model ----- CR 85.0 ----- Directview classic CR
--	--

Description:

Digitizers designed to convert transparent x-ray film images into a digital format according to the optical density of the film image, mapping them into a two-dimensional digital matrix. These devices typically consist of a light source, a light-transmission system, and a light sensor; a mechanical film-transporting system; an analog-to-digital converter; an electronic processor; and a computer interface. Some systems use a laser light source. Film digitizers facilitate radiographic image transfer and manipulation through hospital information systems, printing of images using laser printers, and permanent archiving in magnetic and/or optical disks. (Source: ECRI)

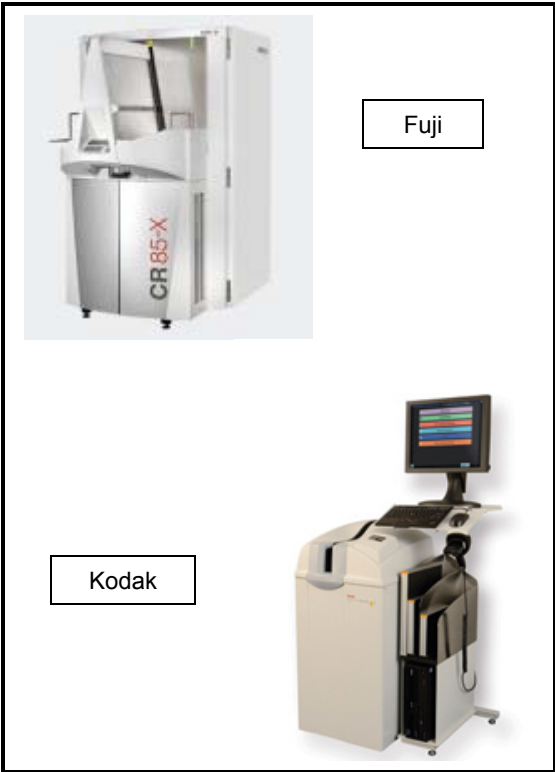
Further Description:

AGFA

- 10 cassettes of mixed sizes, both in input and output buffer
- throughput: up to 112 plates/h (depending on size and application)
- Greyscale resolution: Data acquisition: 12 bits/pixel
- Greyscale resolution: Output to processor: 12 bits/pixel

KODAK

- Greyscale resolution Acquisition: 16 bits per pixel
- Greyscale resolution Display: 12 bits per pixel



Specifications:

AGFA

Dimensions and weight

- W x D x H: 84 x 115 x 142 cm (33 x 45 x 56 in)
- At foot: 84 cm (33 in)
- At buffer: 142 cm (56 in)
- Weight: Approx. 320 kg (705,47 lbs)

Power

- 220V 20A 50/60 Hz single phase

Environmental effects

- Noise level: max. 65 dB (A)
- Heat dissipation: standby 350 W, max. 2000 W

KODAK

- Reader Dimensions H x W x D (cm): 103 x 48.5 x 58
- Reader Weight = 300 lbs (136 kg)
- Stand Dimension H x W x D (cm): 111.5 x 78 x 56
- Reader Weight: 115 lbs (with keyboard holder) (52.3 kg) Does not include PC, monitor, keyboard, or barcode reader

Power

- 100/120V AC 50/60Hz 10A
- 200/230V AC 50/60Hz 5A

Installation Considerations: (Based on the AGFA model)

- Temperature: 20 - 30 °C (68 - 86°F)
- Humidity: 15 - 75% RH
- Magnetic fields: max. 12.60 μT
- Rate of change of temperature: 0.5°C/minute
- Data
- Essential power
- 2000W (20A dedicated line)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description CT Scanner

Equipment Number 1512

Manufacturer ----- GE ----- GE -----	Model ----- Lightspeed VCT XT (GT 2000) ----- Lightspeed VCT (GT 2000) -----
---	---

<p>Further Description:</p> <ul style="list-style-type: none"> • 64x0.625 mm slices (with advancement to 128 slice with VCT 750HD) • Snapshot Pulse technology delivers 83% less dose • 40 mm wide scintillator delivers 0.35 mm resolution • Gantry <ul style="list-style-type: none"> ○ Fastest rotation time: 0.35 s ○ Tilt limits: +30° to -30° ○ Opening: 700 mm • Whole body scanner with advanced neuro and cardio capability • Table max patient weight: 227 kg • X-ray tube cooling: oil / air • DICOM 3.0 interface • Two 19" LCD monitors for procedure observation



<p>Technical Detail:</p> <p><u>Power requirements</u></p> <ul style="list-style-type: none"> • Line voltage: 380 to 480 V, 50/60 Hz, 3-phase • Maximum power demand: 150 kVA • Minimum recommended transformer size: 225 kVA • Max line current demand: 180 A @ 480 V <ul style="list-style-type: none"> ○ Max output power: 100.2 kW <p><u>Dimensions and Weight</u></p> <ul style="list-style-type: none"> • Gantry: 227 (W) x 190 (H) x 101 (D) cm, [1864] • Table and cradle: 66 (H) x 99 (H) x 530 (D) cm, [430] • Power distribution unit: 66 (W) x 99 (H) x 530 (D) cm, [335 kg] • Operator Console: 123.8 (W) x 102.2-122.8 (D) x 71.1-81.3 (H) cm, [204 kg] • Typical Scan room size: 4115 mm x 6706 mm • Recommended Ctrl Room Size 2743 mm x 4420 mm

<p>Installation Considerations:</p> <ul style="list-style-type: none"> • UPS required • Separate and dedicated GIG network may be required • Radiation shielding is required for CT scan room's walls, windows and doors • Special floored power duct required based on manufacturer specification • Floor vibration, levelness and strength should meet manufacturer requirements • All doors and passage sizes should be adequate for moving of equipment from exterior to specified room. (Min 40 inches) • The structural floor support of the CT Suite and the delivery path should be adequate for the weight of the equipment • Equipment Anchorage required based on device data sheet • Piping must be finished before device installation; check the manufacturer if water cooling or external cooling should be installed for the device • Appropriate HVAC is required to prevent device and room overheat (temp 18-26 C Humidity 30-60 %) Only device ventilation 55925 BTU/Hr
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

10 June 2009

Item Description CT Scanner	Equipment Number 1512
---------------------------------------	---------------------------------

Manufacturer ----- Philips -----	Model Number ----- Brilliance CT 64 -----
--	---

Further Description:

- Acquire 40mm of coverage in every rotation
- NanoPanel tile detectors improve signal to noise ratio
- Spatial resolution as high as 24lp/mm in ultra high resolution mode
- Equipment Weight (lbs)
 - Gantry: 4250
 - Patient table: 850
 - Operators console: 193
 - Host computer cabinet: 260
 - Power Unit: 697
 - Tripp Lite UPS: 286.5
 - Brilliance Workspace: 90
- Including LCD Monitors for procedure observation



Technical Detail (See attached document)

- Line Voltage: 480 VAC 100A, 47-53 Hz, 3-phase, wye
- Branch Power Recommended: 112.5 kVA
- Max power required: 80 kVA
- Branch Power Recommended: 112.5 kVA
- Max load voltage range: 425-525 VAC
- Minimum ceiling height: 2438 mm
- Recommended ceiling height: 2743 mm
- Recommended scan room size 4270x6680 mm
- Recommended control room size: 4270x2110 mm

For installation and dimensions of the system, see the attached document.

Installation Considerations:

- UPS required
- Separate and dedicated GIG network may be required
- Radiation shielding is required for CT scan room's walls, windows and doors
- Special floored power duct required based on manufacturer specification
- Floor vibration, levelness and strength should meet manufacturer requirements
- All doors and passage sizes should be adequate for moving of equipment from exterior to specified room. (min 1041 mm) plan route for device move to the room is required
- The structural floor support of the CT Suite and the delivery path should be adequate for the weight of the equipment
- Equipment Anchorage required based on device data sheet
- Piping must be finished before device installation; check the manufacturer if water cooling or external cooling should be installed for the device
- Appropriate HVAC is required to prevent device and room overheat

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

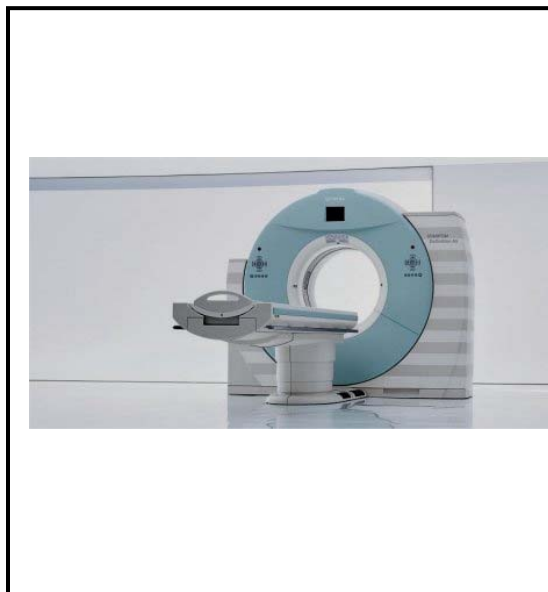
June 2009

Item Description CT Scanner

Equipment Number 1512

Manufacturer ----- Siemens -----	Model Number ----- Definition AS+ -----
--	---

- Further Description**
- Data acquisition system
 - Max. number of slices/rotation: 128
 - Number of detector rows: 64
 - Rotation time: 0.30 s
 - Gantry
 - Aperture: 78 cm
 - Scan field: 50 cm
 - Tilt: ± 30°
 - Rotation time: 0.30, 0.33, 0.5, 1 s
 - Patient Table
 - Max table load: 220 kg
 - Vertical travel range: 48-92 cm
 - Quad core 2.66 GHz computer
 - Syngo CT acquisition workplace
 - Image storage: 146 GB
 - Available in 64-slice configuration (Definition AS)
 - Including LCD Monitors for procedure observation



- Technical Detail (See attached documents for additional information.)**
- Nominal Voltage: 380-480 V in 20 V steps, 50/60 Hz, 3 phase
 - Power consumption in scanning operation: 125 kVA (80 kW), 140 kVA (100 kW)
 - Generator Max Power: 100 kW
 - Tube Assembly
 - Tube current range: 20-800 mA
 - Tube voltage: 80, 100, 120, 140 kV
 - Tube cooling rate: 7.3 MHU/min
 - Surface Area of system for installation: 18 m²
 - Dimensions
 - Gantry: 1980 (H) x 935 (W) x 2380 (L) mm
 - Patient Table: 1000 (H) x 750 (W) x 2445 (L) mm
 - Operators Console: 720 (H) x 800 (W) x 1200 (L) mm
 - Power Cabinet: 1960 (H) x 900 (W) x 700 (L) mm
 - Image Reconstruction System: 550 (H) x 350 (W) x 755 (L) mm
 - Syngo acquisition workplace: 500 (H) x 250 (W) x 650 (L) mm

- Installation Considerations:**
- UPS required
 - Separate and dedicated GIG network may be required
 - Radiation shielding is required for CT scan room's walls, windows and doors
 - Special floored power duct required based on manufacturer specification
 - Floor vibration, levelness and strength should meet manufacturer requirements
 - All doors and passage sizes should be adequate for moving of equipment from exterior to specified room. A route plan to move equipment to room is required
 - The structural floor support of the CT Suite and the delivery path should be adequate for the weight of the equipment
 - Equipment Anchorage required based on device data sheet
 - Piping must be finished before device installation; check by the manufacturer if water cooling or external cooling should be installed for the device
 - Adequate ventilation is required to prevent device and room overheat

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description CT Scanner

Equipment Number 1512

Manufacturer ----- Toshiba -----	Model Number ----- Aquilone One -----
--	---

<p>Further Description:</p> <ul style="list-style-type: none"> • Supports simultaneous acquisition of 320 slices using the 160 mm wide area detector with 0.5 mm detector elements. • Desired slice thickness of 0.5, 1, 2, 3, 4, 5, and 8 mm thickness • Scanning at 0.35 s per rotation • Whole body scan, including head • Gantry <ul style="list-style-type: none"> ○ Tilt: forward 22° to backward 22° (1° increments) ○ Aperture 720 mm • Patient Couch: motorized <ul style="list-style-type: none"> ○ Min/Max couch top height: 330/988 mm ○ Max patient load: 300 kg • Dual monitor system • Enhanced DICOM • Image storage: 3.8 Tbyte • Including LCD Monitors for procedure observation



<p>Technical Detail:</p> <p><u>Power Requirements</u></p> <ul style="list-style-type: none"> • Line Voltage: 380, 400, 420, 440, 460, or 480 VAC, 3-phase, 50/60 Hz • Power Capacity: 125 kVA <p><u>X-ray Generation</u></p> <ul style="list-style-type: none"> • Slice direction angle: 15.2° • Rated output: 70 kW • Tube voltage: 80, 100, 120, and 135 kV • Tube current: 10-580 mA • Tube cooling rate: 1386 kHU/min max, 873 kHU/min actual • Minimum area for installation: 43 m² <p><u>Dimensions</u></p> <ul style="list-style-type: none"> • Gantry: 2430 (W) x 1070 (L) x 2030 (H) • Patient Table: 660 (W) x 2890 (L) x 470 (H) • Power Distributor: 900 (W) x 770 (L) x 980 (H)

<p>Installation Considerations:</p> <ul style="list-style-type: none"> • UPS required • Separate and dedicated GIG network may be required • Radiation shielding is required for CT scan room's walls, windows and doors • Special floored power duct required based on manufacturer specification • Floor vibration, levelness and strength should meet manufacturer requirements • All doors and passage sizes should be adequate for moving of equipment from exterior to specified room. (typically 1800 mm) a route plan to move equipment to the room is required • The structural floor support of the CT Suite and the delivery path should be adequate for the weight of the equipment • Equipment Anchorage required based on device data sheet • Piping must be finished before device installation; manufacturer if water cooling or external cooling should be installed for the device • Adequate ventilation is required to prevent device and room overheat (temp 20-26 c humidity 40-80 %)
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
DAS, DICOM Application Services Server

Equipment Number
2057

Manufacturer ----- Sun Microsystems ----- -----	Model Number ----- Sunfire V100 ----- -----
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Further Description:

- The hardware required is a rack-mounted SunFire V100 server

Hardware

- Sun Fire V100 server
- Rack mountable (1 RU)
- No monitor or keyboard - remotely configurable web service command center
- Up to seven modality connections per server
- Environmental Specifications: The system generates less than 60 dBA at a distance of 23.67 inches (600 mm) and a height of 59.17 inches (1500 mm) while operating in an ambient temperature of 77°F (25°C).
- Specifications Operating Storage Ambient temperature 5°C to 40°C ; Temperature variation 30°C/hr maximum; Relative humidity 5% to 85%



Specification:

- Physical Specifications : Height 1.72 in. (43.6 mm); Width 17.2 in. (436.7 mm); Depth 18.8 in. (478 mm)
- Weight 9 kg (with two hard disk drives and four memory modules installed)
- AC Power 90–264 V AC (47–63 Hz); Nominal: 51W
- Input Current 1.3 A/0.65A
- BTU/hr. Maximum: 280; Nominal: 148 (550-MHz or 650-MHz CPU)

Building Consideration:

- Holding cabinet may be required
- Data line required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Heating Blocks

Equipment Number
2036

Manufacturer ----- VWR ----- VWR -----	Model ----- Digital Dry Block Heater ----- Modular Heating Blocks for Standard Tubes -----
---	---

Further Description:

Digital Dry Block Heater

- Temperature Uniformity and Accuracy
- Hold Interchangeable, Modular Heating Blocks
- Heat to 120°C
- Optional External Temperature Probe
- LED Display
- Depending on the size and model chosen, accommodate up to 6 Standard heating blocks (1,2,3,4 and 6)

Modular Heating Blocks for Standard Tubes

- These blocks have been designed for standard test tubes. Constructed from a solid anodized aluminum block, the close contact of tubes to block walls allows for maximum heat retention



Specifications:

Digital Dry Block Heater (for 2 Blocks)

- Voltage: 120V, 50/60Hz, 210W
- Dimensions, L x D x H, cm (in.): 39.1 x 20.3 x 8.9 (15 1/3/32 x 8 x 31/2)
- Shipping Weight, kg (lbs.) : 2.9 (6.4)

Modular Heating Blocks for Standard Tubes

- Dimensions: 9.5L x 7.6W x 5.1H cm (3 3/4 x 3 x 2")
- Well Depth: 48.4 mm (129/32")
- Tube Diameters(mm): 6, 10, 12/13, 15/16, 20, 25, 35

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Hemodialysis Unit

Equipment Number
1292

Manufacturer	Model
-----	-----
Bellco	Formula 2000
-----	-----
-----	-----

Further Description:

- Thermal chemical disinfection: Citric Acid (>94° C)
- Thermal disinfection: >94° C
- Weekly disinfection: configurable
- Centralized disinfection: configurable

Specifications:

Physical dimensions

- Height: 174 cm
- Main unit: Width: 50 cm; Depth: 75.5 cm
- Floor space: 63 x 60 cm
- Weight: approx. 89 kg

Electrical data

- Supply 100-240 Vac, 50/60 Hz
- Power 1500 W

- Inlet Temperature (5-32 C)
- Inlet pressure (0.9-4 bar)

Installation considerations:

- Reverse Osmosis water supply
- Appropriate hemodialysis wall drainage system at working site
- If portable RO is used instead of central RO system then two wall drainage is required for each site
- 20A power receptacle is required
- Essential power



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description Hemodialysis Unit, CRRT	Equipment Number 1293
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Manufacturer ----- Gambro ----- Gambro -----	Model ----- Prismaflex ----- Prismaflex eXeed -----
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Further Description:

- Flow rate ranges: Blood 10 to 450 ml/min
- Replacement solution: 0 to 8000 ml/h*
- Dialysate 0 to 8000 ml/h*
- Patient fluid removal 0 to 2000 ml/h*
- Effluent removal 0 to 10.000 ml/h

Fluid control

- Number of scales: 4
- Measuring principle: gravimetric
- Scales range: 0 to 11 kg

Safety systems

- Ultrasonic air detector Detects single air bubble > 20 µl
- Blood leak detector Leak ≥0.35 ml/min at 25% Hct at highest effluent flow rate
- Bar code reader Allows traceability & set parameters setting
- Anti electrostatic device to avoid ECG interferences



Specifications:

Physical dimensions

- Height: 162 cm
- Main unit: Width: 49 cm; Depth: 30 cm
- Floor space: 63 x 60 cm
- Weight: approx. 76 ±0.5 kg without bags

Electrical data

- Supply 100-240 Vac, 50/60 Hz
- Power 500-600 W

Installation considerations:

- Essential Power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

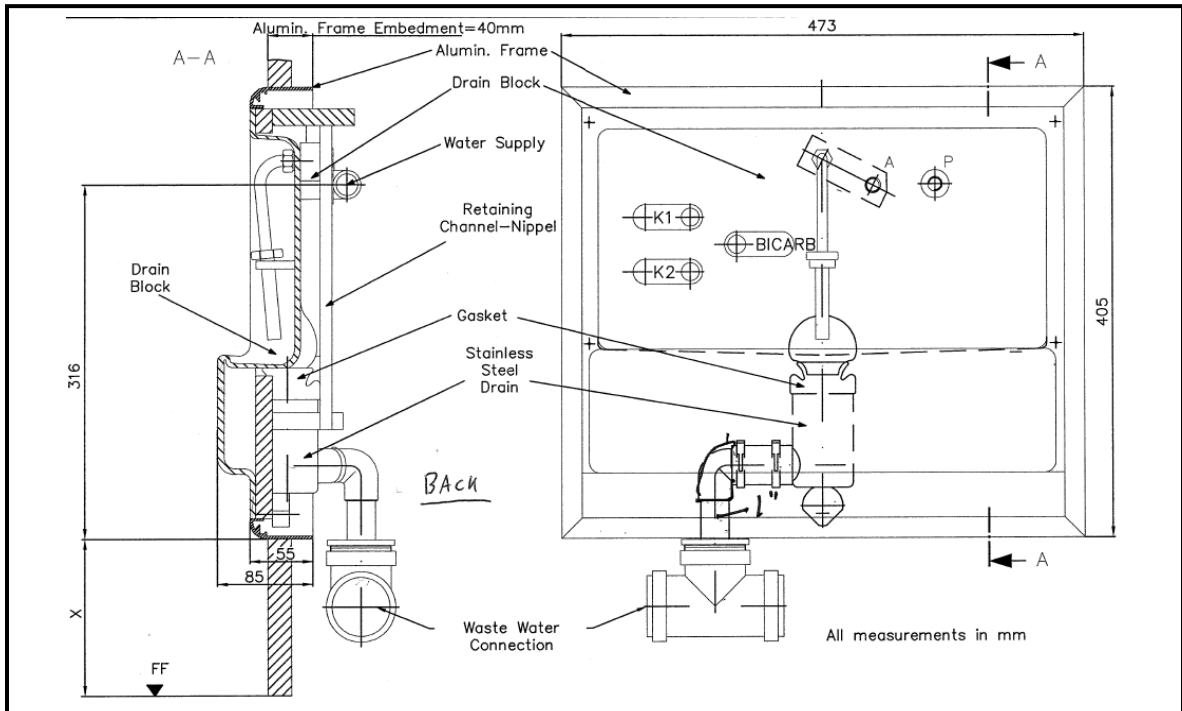
Item Description
Hemodialysis, RO supply & Drain

Equipment Number
2030

Manufacturer

BHC Medical

Model



Installation Consideration:

- Appropriate material must be used to meet the RO water transfer standards
- Central Acid (3 different concentrations) and Bicarbonate lines required for future Renal department planning
- One of these supply and drain fixtures must be installed at all hemodialysis capable beds



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Hemodialysis, Water supply & Drain

Equipment Number 2030.1

Manufacturer ----- -----	Model ----- -----
--------------------------------	-------------------------

Further Description:

- Water Supply /Drain for Hemodialysis with portable RO unit
- Custom made- similar to the photograph



Installation Consideration:

- One of these supply and drain fixtures must be installed at any hemodialysis capable bed without RO supply
- Close to 2 x 115V/60HZ/20A plug for the portable RO and Hemodialysis units

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Humidifier

Equipment Number 1677.1

Manufacturer ----- Fisher & Paykel ----- -----	Model Number ----- MR850 ----- -----
---	---

Further Description:

Aims to provide optimal humidity (37 °C, 44 mg/L) for invasive ventilation, noninvasive ventilation, Humidified High Flow Therapy oxygen therapy

- One button selects optimal temperature and humidity levels for adult, pediatric and neonatal patients
- Easy set up with simple controls and an easy to read display
- Clinically based alarm system
- Advanced algorithms and the ability to sense flow optimizes humidification delivery and minimizes nuisance alarms
- Automatic standby during periods of gas flow interruption or water out
- Available globally



Specifications:

- Weight: 2.8 kg
- Dimensions(mm): 140 x 173 x 135
- 115 VAC, 2A
- 150 W

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Hypo/hyperthermia Unit	Equipment Number 1365
---	---------------------------------

Manufacturer ----- Cincinnati Sub-Zero ----- Bair Hugger -----	Model Number ----- Maxi-Therm Blanket ----- 750 -----
---	--

Further Description:

Cincinnati Sub-Zero

- Programmable and pre-set variable gradient
- SMART mode to regulate the patient's temperature.
- The unit in conjunction with the CSZ's Kool-Kit® provides Whole Body Hypothermia System

Bair Hugger

- Flexible, easy to use designs
- Uniform perforation pattern across the blanket surface ensures even convective warming
- Resealable hose ports (where applicable)
- Soft, radiolucent, latex-free materials

Specifications:

Cincinnati Sub-Zero

- Dimensions: 17"W x 17"D x 37.5"H (43.2cm x 43.2cm x 95.2cm)
- Fluid Temperature Range Manual: 4°C to 42°C (39.2°F to 107.6°F)
- Patient Temperature Set Point Range: 30°C to 40°C (86°-104°F)
- Weight: 122 lbs. (55.3kg.)
- Flow Rate 32 gph (121.1 lph) with blanket, approx.>
- Refrigerant Non-CFC (R-134A)
- Heater Power 800 Watts
- Paddle Wheel Water Flow Indicator
- Internal By-Pass Pre-Heating or Pre-Cooling
- Adult (#276) 24in X 60in (61cm X 152.4cm)
- Pediatric (#274) 22in X 30in (55.8cm X 76.2cm)
- Infant* (#273) 12in X 18in (30.5cm X 45.7cm)

Bair Hugger

- Dimensions: 12" h x 10" w x 13.5" d (30 x 25 x 34 cm)
- Weight: 15.5 lb (7 kg)
- Filter: High-efficiency, 0.2 µm filter
- Operating Temperature:
- High: 43° ± 1.5°C (109.4° ± 2.7°F)
- Med: 38° ± 1.5°C (100.4° ± 2.7°F)
- Low: 32° ± 1.5°C (89.6° ± 2.7°F)
- Device Rating:
- 110-120 VAC, 50/60 Hz, 11.7 Amperes



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
ECG machine, portable

Equipment Number
1243

Manufacturer	Model Number
Philips	PageWriterTouch
-----	-----
GE Healthcare	MAC 5500
-----	-----

Further Description:

Pagewrite Philips:

- Integrated cardiograph cart system
- Interpretive cardiograph
- Real time ECG signal acquisition up to 12 leads for adults and pediatrics
- Colour coded real time waveform display
- Visual indication of loose electrode contact, artifact, low battery
- Defibrillator overload protection
- Storage memory for ECGs and easy transfer by floppy disk, modem or LAN to an ECG
- Line voltage: 110/220 VAC
- Battery operation: Two Lithium-ion SMART, 40 minutes continuous rhythm recording
- Include PCMCIA cards for gathering data to download
- Include software/hardware required to integrate with region-wide central storage of ECG data (Tracemaster – ECG management system)

MAC 5500 GE

- Ethernet and wireless networking options to connect to GE/MUSE or Philips/Tracemaster Data Management Systems
- Bar code scanner
- 12SL ECG Analysis program with Gender-Specific software
- 15-Lead ECG Analysis
- Optional stress testing capabilities
- Power Supply: AC or battery operation
- Voltage: 100 to 240 VAC +10, -15%; 0.5A @ 115 VAC,

Physical Specifications (without cart)

- Dimension
 - Height: 3.7 in (9.4 cm) with display closed
 - Width: 15 in (38.1 cm)
 - Depth: 13.8 in (35.1 cm)
- Weight: Approximately 6.8 kg (15 lbs) including battery without paper

Trolley Specifications

- Dimensions:
 - Height: 39 in (99 cm)
 - Width: 21 in (54 cm)
 - Depth: 28 in (72 cm)
 - Height with acquisition module holder 52.5 in (134 cm)
- Weight: 55 lbs. (25 kg)



Installation Considerations:

- Data line
- Wireless
- May require dedicated data drop

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
ECG, Modem Transfer

Equipment Number
2052

Manufacturer ----- Physio-Control ----- -----	Model Number ----- LIFENET STEMI Management Solutions ----- -----
---	---

Further Description:

- A STEMI alert system to help patients and reduce door-to-balloon times
- Web-based system; allows patient care teams to quickly decide where to send the STEMI patient for the appropriate care—mobilizing the cardiac catheterization lab, freeing up the emergency department, enabling the EMS team to move on quickly to their next case, and reducing false-positive cath lab activations.
- An early, pre-medicated 12-lead ECG from EMS is the kick-off to the STEMI alerting process.
- Transmitting diagnostic quality ECGs from the field using the LIFENET STEMI Management Solution helps get you rolling to the right facility ASAP.
- The LIFENET STEMI Management Solution is offered as a subscription service providing the simplest access to a comprehensive STEMI Management System. There are no servers to install, no hosting to manage, no maintenance. Through this program we provide you access to our best-in-class systems, data centers, and technology.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description EEG (EEG Telemetry)
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Equipment Number	8006
------------------	-------------

Manufacturer ----- XLTEK ----- -----	Model ----- EMU40 ----- -----
---	--

Further Description:

- XLTEK's third generation of LTM patient-care amplifiers brings you the revolutionary EMU40. Featuring Bluetooth wireless technology, the EMU40 delivers superior sampling frequencies, data integrity for accurate patient care, and the flexibility to deploy in multiple patient-care environments. In addition, patient safety has been firmly positioned at the forefront of the development process.
- Electroencephalographs



Specifications

Base Unit

- Push Buttons 4 (Impedance Check, Impedance Threshold, Up and Down)
- Event Switch Connection 2 – 1 on Base Unit and 1 on Breakout

Digital Specifications

- Sampling Frequencies 256 Hz, 512 Hz, 1024 Hz
- Sampling Resolution – EEG 16 bits
- Modes of Operation: Impedance Check < 2.5, < 5, < 10, < 25 kOhms

Specifications

Wireless Specification

- Operating Frequency 2.400–2.4835 GHz
- Maximal Distance Range Between Transmitter / Receiver Up to 10 meters (according to EMC environmental conditions)
- RJ45 Cable Ethernet 100BaseT (Option 1)
- TCP/IP, UDP, DHCP
- USB 2.0 (Option 2) USB 2.0 High Speed

Base Unit to Breakout Box

- Cable Length: 30 feet (~ 9 m)
- Approximate Size & Weight Breakout: ~ 100 (h) x 158 (w) x 23 (d) mm; 346 g / .76 lbs
- Base Unit: ~ 230 (h) x 225 (w) x 40 (d) mm; 1331 g / 2.9 lbs

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description Electrical Stimulator (TENS)

Equipment Number 2055

Manufacturer ----- Koalarty Products -----	Model Number ----- TENS 7000 -----
--	--

Further Description:

- Channels: Dual Channel, isolated between channels
- Pulse Amplitude: Adjustable, 0-100 mA peak into 500 ohm load each channel.
- Voltage: 0 - 50V (Load: 500 ohm)
- Pulse Rate: Adjustable, from 2 to 150 Hz, 1 Hz/step
- Pulse Width: Adjustable, from 50 to 300 microseconds, 10uS/step
- Wave Form: Asymmetrical Bi-Phasic Square Pulse
- 5 Modes: B(Burst), N(Normal), M(Modulation), SD1(Strength Duration), SD2
- Burst Mode: Burst rate: Adjustable, 0-5 ? 5Hz; Pulse width adjustable, 50~300uS; Frequency fixed = 100 Hz
- Normal Mode: The pulse rate and pulse width are adjustable. It generates continuous stimulation based on the setting value.
- Modulation mode is a combination of pulse rate and pulse width modulation. The pulse rate and width are automatically varied in a cycle pattern. The pulse width is decreased by 50% from its original setting in 0.5 second, then the pulse rate is decreased by 50% from its original setting in 0.5 second. Total cycle time is 1 second. In this mode, pulse rate(2-150Hz) and pulse width(50-300?S) are fully adjustable.
- Patient Compliance Meter: This unit can store 60 sets of operation records. Total recorded time is 999 hours.
- Timer: Adjustable, from 5 to 60 minutes or Continuous. Adjustable in 5 minutes each step. Treatment time countdown automatically.
- 3 Year Manufacturer Warranty
- System Includes: Stimulator, Lead Wires, 1 package of high quality Self-Adhesive Electrodes, 9V Battery, Hard Plastic Carrying Case, Instruction Booklet.

Specifications:

- Power source One 9 Volt Battery.
- Size 10.1cm(L) x 6.1cm(W) x 2.45cm(H)
- Weight 150 grams with battery.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Electric Parallel Bars

Equipment Number 2023

Manufacturer	Model
----- TRI W-G -----	----- TG1000 - 6' , TG1001 - 8' -----
-----	----- TG1002 - 10' , TG1004 - 12' -----
-----	----- TG1006 - 16' , TG1008 - 18' -----

Further Description:

Features:

- 600 lb. weight capacity
- UL classified 60601-1
- Height and width adjustable
- Fingertip controls, individual and simultaneous operation
- Child's lo-bar accessory available
- Steel frame



Specifications:

Bar Range:
Vertical: 25 1/2" - 39 3/4" to the top of the bar
Horizontal: 15 1/2" - 24 1/2" inside dimension

Width:
Platform: 47 1/2"
Between standards: 31 1/2"
Overall dimensions: 53 1/2"

Base:
10 gauge steel; 1 3/4" high
12" tapered end and/or 24" platform extension optional

Handrails:
Anodized aluminum, 1 5/8" standard O.D. (optional child's lo-bar attachment, 1 3/4" O.D.)

Electrical:
Two motors; 3.4 amp each; 115V, single phase, 60Hz, hospital grade plug.

Matting:
Non-skid black mat: 27", length to fit

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description
Ergometer, Arm with Table

Equipment Number
1258

Manufacturer ----- Monarch ----- Physio ERP -----	Model Number ----- 891 ----- -----
--	---

Further Description:

- Upper body ergometer to be purchased mounted on table.
- Final specifications to be determined.
- No services required,



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Eyewash station, Bottle

Equipment Number
2046

Manufacturer ----- Allegromedical ----- NMmedical -----	Model Number ----- ----- -----
--	---

Further Description

- The Eyewash Station with Eyewash Bottle is for effective and immediate first aid eye irrigation mounts to any wall providing convenient access to an eyewash bottle in case of an eye injury.
- Includes an unbreakable plastic mirror and 1 empty 16 oz. (500 ml) eyewash bottle.
- Universal symbols on the bottle and the station instruct on proper usage.
- Multi-language directions are printed on the station.



Specifications:

Dimensions: H 320 x W 240 x D 80 mm



Building Consideration:

- Need to be mounted on the wall

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description Flowmeter

Equipment Number 1263

Manufacturer ----- West Care Medical ----- -----	Model Number ----- FME ----- -----
---	---

Further Information:

Neonatal Flow-meter

- Glass inner & outer tubes
- Full line of inlet connectors
- Calibrated at 50 PSI
- DISS 1240 Outlet
- Flow Range:0-200 cc
- Gas: Oxygen
- Increments: 20 cc; starts at 20 cc
- Accuracy: ± 10 cc from 0-100 cc; ±14 cc from 100-200 cc
- Max Flush Flow: 500 cc

Regular Flow-meter

- From 1 to 15 lpm
- 1/8" NPT Female
- DISS Nut & Nipple
- DISS Handtight



Installation Considerations:

- Medical air / Oxygen

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Revised: October 2009

Item Description:
Freezer, 24 cu.ft, Lab, -30C

Equipment Number
8519

Manufacturer	Model Number
-----	-----
Sanyo	MDF-U730
-----	-----
Thermo Scientific	ULT2330-A
-----	-----

Further Description:

Thermo Scientific

- High-density, CFC-free urethane foam
- Solid door with keyed door lock
- Self-closing door
- Full-length door handle
- Adjustable leveling feet standard
- Scratch resistant painted interior and exterior finish

Sanyo

- Stable temperature control
- Energy-saving operation
- Standard door lock and independent padlock
- Sturdy cabinet construction
- Easy maintenance



Specifications:

Thermo Scientific

- Capacity 23.3 cu.ft
- Voltage 115 VAC 16A (P1)
- Interior Dimensions: (H x W x D): 58.0 x 29.0 x 24.0
- Exterior Dimensions: (H x W x D): 77.5 x 35.5 x 28.0
- Weight: 168

Sanyo

- Exterior Dimensions: (W x D x H): 30.0 x 32.7 x 77.0 (inch)
- Interior Dimensions: (W x D x H): 25.6 x 28.0 x 53.9 (inch)
- Capacity: 22.3 cu. ft.
- Voltage: 115 VAC, 400W
- Weight: 170 kg

Installation Considerations:

- Consider enough space from the walls for ventilation
- Max ambient temperature 30 C
- Central Temperature Monitoring
- Essential Power
- 20 A Breaker

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description:
Freezer, 10 cu.ft, Lab, -30C

Equipment Number
8519.3

Manufacturer	Model Number
-----	-----
Sanyo	MDF U333
-----	-----
Thermo Scientific	ULT1230A
-----	-----

Further Description:

Thermo Scientific

- Preset temperature set point
- Graphic thermometer with color coding
- Large, easy-to-read digital display
- Audible/visual warnings for over temperature, under temperature or power failure
- Remote alarm contacts
- Epoxy-coated, scratch-resistant cold-rolled steel interior and exterior finishes
- Full-length door handle and key lock
- Doors self-close and lock open at 90°

Sanyo

- Front-mounted display/control panel (with new microprocessor) located at convenient waist height
- Memory backup
- Temperature display
- Front access calibration for 7-day temperature recorder
- After a power outage, operation resumes at pre-outage settings (non-volatile memory for temperature and alarm temperature settings)
- Two access ports
- Four casters and two adjustable feet



Specifications:

Thermo Scientific

- Interior Dimensions (H x D x W): 52 x 21 x 20
- Exterior Dimensions (H x D x W): 71.9 x 28.8 x 24.0
- Capacity: 11.5 cuft
- Voltage: 115VAC 1Ø Weight: 127 kg

Sanyo

- Exterior Dimensions: W614 x D733 x H1620 (mm)
- Capacity 10 cuft (274 L)
- Voltage: 115 VAC 225 W
- Weight: 81 kg

Installation Considerations:

- Consider enough space from the walls for ventilation
- Max ambient temperature 30 C
- Essential Power
- Remote Temperature alarm monitoring
- 16 A Breaker
-

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Freezer, 13 cu ft, Lab, -86C

Equipment Number
1269

Manufacturer Thermo Scientific	Model Number Revco ULT-1386-5-A
----- Sanyo	----- MDF U33V

Further Description:

Thermo Scientific

- Heavy gauge steel cabinets with durable finish
- UFC free urethane foam insulation
- Thick insulated outer door and individual inner doors
- Sound insulation for quiet operation
- Double-seal lid door gaskets minimize frost buildup
- Recessed heavy casters
- Lockable door
- Industrial-quality, hermetically sealed compressors

Sanyo

- SANYO patented V.I.P.™ Vacuum Insulation Panel
- SANYO Green Product
- Insulated Inner
- Alarm and Safety Functions
- Three levels of cabinet security



Specifications:

Thermo Scientific

- Capacity: 13.4 cuft
- Voltage: 115V VAC 1Ø 16A
- Interior Dimensions (H x D x W inches): 50.5 x 19.5 x 23.5
- Exterior Dimensions (H x D x W inches): 77.5 x 31.3 x 37.1
- Weight: 297 kg

Sanyo

- Capacity: 11.8 cu.ft.
- Exterior Dimensions: 26.4"W x 34.1"F-B x 73.2"H
- Interior dimensions(W x D x H): (19.3" x 23.6" x 44.9")
- Voltage: 115 VAC 790 W
- Weight: 255 kg

Installation Considerations:

- Stable, ultra-low temperatures to -85°C are guaranteed in a warm +32°C ambient
- Space from the wall for ventilation
- Essential Power
- Central Temperature alarm monitoring
- 20 A Breaker

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description:
Freezer, 17 cu.ft, Lab, -30C

Equipment Number
8519.1

Manufacturer	Model Number
-----	-----
Sanyo	MDF U537
-----	-----
Thermo Scientific	ULT-1740-9-A
-----	-----

Further Description:

Thermo Scientific

- Similar to Jewett LF17 Series
- Advanced forced-air cooling with automatic defrost
- Thermostatic expansion valve provides more cooling power under heavy-use conditions
- High-visibility digital temperature display
- Positive door latches with key lock
- Options include alarm/monitoring system, temperature chart recorder, stainless steel interiors/exterior and additional shelves/drawers

Sanyo

- Manual Defrost
- Enhanced Operation
- Outstanding Reliability and Performance
- Recording Features
- Environmentally Friendly



Specifications:

Thermo Scientific

- Interior Dimensions (H x D x W): 50.5 x 25 x 23.5
- Exterior Dimensions (H x D x W): 77.5 x 36.8 x 37.1
- Capacity: 17.2 cuft
- Voltage: 115VAC 1Ø 16 A
- Weight: 286 kg

Sanyo

- Exterior Dimensions: 31.5"W x 30.4"F-B x 70.9"H
- Capacity 17 cuft
- Voltage 115 VAC 5-15 A
- Weight 131 kg

Installation Considerations:

- Consider enough space from the walls for ventilation
- Max ambient temperature 30 C
- Central Temperature Monitoring
- Essential Power
- 20 A Breaker

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Freezer, 24 cu ft, Lab, -86C

Equipment Number
1272

Manufacturer	Model Number
Thermo Scientific	Revco ULT-2586-5-A
-----	-----
Sanyo	MDF-U73VC
-----	-----

Further Description:

Thermo Scientific

- Heavy gauge steel cabinets with durable finish
- UFC free urethane foam insulation
- Thick insulated outer door and individual inner doors
- Sound insulation for quiet operation
- Double-seal lid door gaskets minimize frost buildup
- Recessed heavy casters
- Lockable door
- Industrial-quality, hermetically sealed compressors

Sanyo

- SANYO patented V.I.P.™ Vacuum Insulation Panel
- SANYO Green Product
- Insulated Inner
- Alarm and Safety Functions
- Three levels of cabinet security



Specifications:

Thermo Scientific

- Capacity: 22.8 cuft
- Voltage: 115V VAC 1Ø 16A or(230 VAC 12A)
- Interior Dimensions (H x D x W inches): 50.5 x 34.5 x 24.3
- Exterior Dimensions (H x D x W inches 77.8 x 43.0 x 36.8
- Weight: 358 kg

Sanyo

- External dimensions: W1010 x D875 x H2010 (mm)
- Internal dimensions: W870 x D600 x H1400 (mm)
- Effective capacity: 26 cuft
- Weight: 354 kg
- Voltage 208-230 VAC 15A

Installation Considerations:

- Stable, ultra-low temperatures to -85°C are guaranteed in a warm +32°C ambient
- Space from the wall for ventilation
- Essential Power
- Central Temperature Alarm Monitoring
- Possible 220 V
- 20A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description:
Freezer, 17 cu.ft, Plasma, -30C

Equipment Number
8519.2

Manufacturer	Model Number
-----	-----
Sanyo	MDF-U5411
-----	-----
Thermo Scientific	Jewett (HemaPro 2000) BPL 317
-----	-----

Further Specifications:

Thermo Scientific

- Advanced forced-air cooling with
- Bag capacity : 525 Bags
- automatic defrost
- one door and 7 drawers
- 7-day, 24-hour electronic recording thermometer
- Positive latch with key lock security
- Anti-sweat door frame heaters with magnetic compression gaskets to provide a tight door seal

Sanyo

- Power failure alarm with non-volatile memory back-up.
- Full-height storage containers on every shelf.
- Direct cooling system for stable temperature control.
- Cooling tubes under every shelf.
- Optional remote monitoring and circular chart recorder.



Performance Specification:

Thermo Scientific

- Interior Dimensions (H x D x W): 50.5 x 25 x 23.5
- Exterior Dimensions (H x D x W): 77.5 x 36.8 x 37.1
- Capacity: 17.2 cuft
- Voltage: 130VAC 1Ø 12 A
- Weight: 286 kg

Sanyo

- Exterior Dimensions: 31.7" x 30.4" x 71.0" (inch)
- Capacity 17 cuft
- Voltage 115 VAC 350W
- Weight 131 kg
- Temperature: (-20) – (-40)

Installation Considerations:

- Consider enough space from the walls for ventilation
- Ambient temperature max 32 C
- Central Temperature Monitoring
- Essential Power
- UPS
- 16 A Breaker

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Freezer, Undercounter, Lab

Equipment Number 1273

Manufacturer ----- Sanyo ----- Thermo Scientific -----	Model Number ----- SF-L6111W ----- Revco ULT-430A (or Jewett UCFxxx) -----
---	---

<p>Further Description:</p> <p><u>Thermo Scientific</u></p> <ul style="list-style-type: none"> • Heavy duty, industrial-grade, hermetically sealed compressors • Automatic defrost maintains • Optimum cooling capacity • Automatic condensate removal; no drain lines required • Positive, forced-air circulation • Directional air flow assures quick recovery after door openings • Solid door with keyed door lock • Self-closing doors • Full-length door handle(s) <p><u>Sanyo:</u></p> <ul style="list-style-type: none"> • Interior forced air circulation • Safe and Secured locked Storage Laboratory-Ready with integrated alarm functions, remote alarm contacts, and monitoring probe • Access port. • Meets JCAHO standards for controlling medication access
--



<p>Specifications:</p> <p><u>Thermo Scientific:</u></p> <ul style="list-style-type: none"> • Door: Solid , single • Number of Shelves: 3 • Volume: 4.9 cu.ft (6 cu.ft for model 3755) • Interior Dimensions(in): 20H x 20D x 20W • Exterior Dimensions(in): 33.4H x 26D x 24W • Voltage: 115V, 60Hz 8 A • Weight: 96 kg • Temperature: (-20) – (-40) C for ULT & UCF models and (-12) - (-18) for Jewett C4F model or REF417A and (-5) – (-20) for model 3755 <p><u>Sanyo:</u></p> <ul style="list-style-type: none"> • Exterior Dimensions(in): 235/8"W (600 mm) x 34½"H* (876 mm) x 22½"D (648 mm) • Volume: 5.4 cu. ft. • Door: Single, solid • Voltage 115 VAC, 0.9A • Weight: 50 kg • 2 Fixed evaporator shelves • Temperature: (-15) - (-25) C

<p>Installation Considerations:</p> <ul style="list-style-type: none"> • Space from the walls for ventilation • Maximum of +32 C ambient temperature • Essential Power • Central Temperature Alarm Monitoring • May Require UPS
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September, 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Equipment Datasheet

Item Description
Furniture, Lamp

Equipment Number
1330

Manufacturer ----- Grand & Toy ----- -----	Model Number ----- VisionMax CEO Full-Spectrum Dome Lamp ----- -----
--	--

Further Description:

- Rotary on/off switch.
- Includes 22W full spectrum bulb.
- 18 1/2"H.
- Brushed-steel finish with faux cherry wood accent



Specifications:

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Furniture, Bed

Equipment Number
1039

Manufacturer ----- Hillrom ----- -----	Model Number ----- Harbor Glen ----- -----
--	--

Further Description

- Solid hardwood platform bed with steel bedframe approx.15" high x 37"wide x 80" long
- Sleep surface to have antibacterial cover and foam core.
- Bed drawer approx. 6" hx23" w x 34" and supports approx.250 lbs.
- Optional Non-removeable drawer w/ steel bracketry, side or end location
- Adjustable floor glides
- "Harm reduction design" with rounded corners for safety and tamper resistant hardware
- Modular sections can be replaced on location.
- 10 concealed restrain strap holders



Specifications:

- Overall Height 15.5" / 39 cm
- Overall Width 37.5" / 95 cm
- Overall Depth 81.5" / 207 cm
- Sleep Surface
- Height 5" / 13 cm
- Width 35" / 89 cm
- Depth 79" / 201 cm

Installation Considerations:

- The construction should be suitable for use in a psychiatric treatment setting.
- Design should be "non-institutional".

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Furniture, Bookcase

Equipment Number
1058

Manufacturer ----- Turnstone ----- -----	Model Number ----- Currency ----- -----
---	--

- Further Description:
- Shelves 18" wide
 - Open or closed backs
 - Half- or full-height doors
 - Adjustable shelves
 - Optional cable routing
 - Shelves are easily adjustable in 1 1/4" increments
 - Utilize space more efficiently by alternating locations of back panels, allowing both sides of the wall to be functional
 - Ordering a different laminate for the doors lets you create a more custom solution



- Specifications:
- 3 section: 72"h x 70"w x 18"d
 - 4 section: 72"h x 92"w x 18"d
 - 5 section: 72"h x 119"w x 18"d

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Furniture, Cabinet, File

Equipment Number
1259

Manufacturer ----- SteelCase ----- -----	Model Number ----- Universal ----- -----
--	--

Description:

- Heights: 28", 40", 52", 65 1/2"
- Widths: 30", 36" 42"
- Depths: 18-7/8", 24"
- 5H standard with fixed shelf and receding door in top opening; 13.5"H opening supports binder storage
- 1"H steel top
- Finished back
- Lock
- Drawer fronts are removable

Options

- Three front styles: flush, steel, proud steel and proud wood
- Six pull styles: integral (flush only), contemporary, jazz, bar, handle and c:scape (proud only)
- Tops: security, no top, laminate or wood
- Individual drawer locks



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Furniture, Chair

Equipment Number
1169

Manufacturer ----- Nurture ----- -----	Model Number ----- Mitra ----- -----
---	---

Further Description:

- Energetic curves with a slim design
- Wood frame with steam bent, Wall-saver design
- Structural inner steel frame
- Active webbed seat suspension
- Clean out space between seat and back
- Wood or plastisol arm caps featuring pommel design
- Field replaceable covers and components

OPTIONS

- Bariatric
- High Back Patient
- Freestanding tables
- Contrasting textiles
- Moisture barrier
- CAL 133



Specifications:

	overall depth	overall width	overall height	seat width	seat height	arm height
Single-Seat	27 1/2"	23 1/4"	33"	20"	18 1/2"	25 1/4"
Two-Seat	27 1/2"	44 1/2"	33"	20 1/2 0"	18 1/2"	25 1/4"
Three-Seat	27 1/2"	65 3/4"	33"	20 1/2 0"/20"	18 1/2"	25 1/4"

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Furniture, Chair, Audience, UBC

Equipment Number
UBC3

Manufacturer ----- Heritage ----- -----	Model ----- Ally ----- -----
---	--

Further Description:

- Standalone
- Upholstered
- No side arms
- No casters
- UBC Technology group to approve
- Upholstery color and pattern. (not red)

Features

- Flexing frame
- Pivoting back
- Available with open arms or armless
- Stacks three-high with arms, and
- Four-high without arms
- Soft glides available



Specifications:

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Furniture, Chair, instructor

Equipment Number
UBC4

Manufacturer ----- Safco ----- -----	Model ----- Model 3430BL ----- -----
--	--

Further Description:

- Standalone chairs
- With casters and swivel capabilities.
- No side arms.
- Upholstery color and pattern to be approved by UBC Technology group.



Specifications:

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Furniture, Chair, Lab

Equipment Number
1166.1

Manufacturer ----- SteelCase ----- -----	Model Number ----- Amia ----- -----
---	--

Further Description:

- Flexible seat edge: When you recline or lean forward, the seat edge flexes to relieve pressure on the back of the legs.
- Adjustable Seat depth: accommodates different body shapes for long-term comfort.
- Back tension: Adjust the amount of resistance, or “push back” to your preference to help maintain your back’s natural curve.
- Height, Depth, Width, and Pivot Arms: Arms telescope in and out, move forward and back, pivot and adjust up and down so you can find a natural position that comfortably supports the wrists, forearms, shoulders and neck.

Amia Options

- Stool version available
- Two finish colors are available: black and platinum
- Optional Sewn cushion
- Optional polished aluminum base
- Available with Steelcase and Designtex fabric, leather, or vinyl as well as COM (customer’s own material)
- 3D Knit material available on the chair back with matching fabric seat, or with a seat fabric of your choice.

Amia arm options are:

- Armless
- Fixed arms
- Height, depth, width and pivot adjustable arms
- Durability



Only Vinyl Cover For Lab

Specifications:

- Seat Height 23” to 31”
- Seat Depth 15.5” to 18.5”
- Seat Width 19.25”
- Lumbar Height 6.25” to 10”
- Arm Height from Seat 7.25” to 11.25”
- Distance between Armrests 13” to 19.5”
- Armcap Pivot Range 300
- Armcap Depth 2”

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier’s shop drawings.

October 2009

Item Description Furniture, Chair, Lounge
--

Equipment Number 1802.1

Manufacturer ----- Nurture ----- -----	Model Number ----- Mitra ----- -----
--	--

Further Description:

LOUNGE SEATING
Mitra lounge seating expands the exciting styling cues of the Mitra family to areas requiring larger scale furniture. Featuring maple bases and the option of upholstered, maple, or plastisol arm caps, Mitra lounge is available in one-, two-, and three-seat versions. It's an exceptional solution or any healthcare environment that can benefit from the comfort and residential feel of lounge eating.

- Energetic curves with a slim design
- Wood frame with steam bent, Wallsaver design
- Structural inner steel frame
- Active webbed seat suspension
- Clean out space between seat and back
- Wood or plastisol arm caps featuring pommel design
- Field replaceable covers and components

OPTIONS

- Bariatric
- High Back Patient
- Freestanding tables
- Contrasting textiles
- Moisture barrier



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Furniture, Chair, Office
--

Equipment Number	1166
------------------	------

Manufacturer ----- SteelCase ----- -----	Model Number ----- Amia ----- -----
--	---

Further Description:

Amia Options

- Stool version available
- Two finish colors are available: black and platinum
- Optional Sewn cushion
- Optional polished aluminum base
- Available with Steelcase and Designtex fabric, leather, or vinyl as well as COM (customer's own material)
- 3D Knit material available on the chair back with matching fabric seat, or with a seat fabric of your choice.

Amia arm options are:

- Armless
- Fixed arms
- Height, depth, width and pivot adjustable arms
- Durability



Specifications:

- Chair dimensions 26 5/8" W x 37.5-42.5" H
- Seat dimensions 19.325" W x 15.5-18.5" D
- Seat height 16-21" H
- Back dimensions 18 7/8" W x 25" H
- Arm width 15-20"; adjustment adds 2.25" for a total width range of 12.75-20" W
- Weight Limit 300 lbs

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Furniture, Chair, Participant

Equipment Number
UBC1

Manufacturer ----- Performance Office Furnishings ----- -----	Model ----- Comfort Task Chair, model 3501 ----- -----
---	--

Further Description:

- Standalone chairs
- With casters and swivel capabilities.
- No side arms.
- Upholstery color and pattern to be
- Approved by UBC Technology group.



Specifications:

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.


September 2009

Item Description
Furniture, Chair, Phlebotomy

Equipment Number
1160

Manufacturer ----- Custom Comfort Medtek ----- HamiltonMedical ----- Labconco	Model Number ----- 1201-LAH ----- 7K73 ----- Blood Drawing Chair
--	---

Further Description:




1201-LAH

- Adjustable height blood draw chair equipped with a hydraulic lift mechanism
- Durable armrest assembly is fully adjustable both horizontally and vertically
- Full-length armrests, extra wide and padded

Specifications:

- Seat Height: 22" to 29"
- Armrest Height: 35" to 43"
- Dimensions: Overall 35" W x 23" D
- Weight Capacity: 300 lbs (136 kg)

Further Description:



7K73

Padded Phlebotomy Chair

- Two Infinitely Adjustable Armrests
- Padded Armrests
- Adjustable Fold-Up Padded Armrest for Safety and Easy Access
- Padded Seat and Back
- Non-Marring Feet Levelers

Specifications:

- Seat Height: 22.5in. (57.2cm)
- Seat Width: 18.75in. (48cm)
- Overall Height: 44.5in. (113cm)
- Overall Width: 29in. (73.7cm)
- Armrest Adj. Height: 28.5in.-38.5in. (72.4-97.8cm)
- Overall Depth: 27in. (69cm)
- Weight: 48 lbs (21.8kg)
- Weight Capacity: 300 lbs (136kg)

Further Description :

- Adjustable arm and seat accommodate large and small patients
- Arm adjusts to four heights
- Seat adjusts to three positions
- Type 304 stainless steel foot rest
- Ergonomically-designed padded arm – specially contoured and angled at 10° to support the patient's arm

Specifications:

- Width: 26.75"
- Dimensions: 26.75 W x 27.5" D x 36.5" H

Blood Drawing Chair



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

February 2009

Item Description Furniture, Chair, Recliner

Equipment Number 1802

Manufacturer ----- Nurture ----- -----	Model Number ----- Mitra ----- -----
---	---

Further Description:

RECLINER SEATING
The backrest operates independent of the rest of the recliner and features infinite stops, allowing the user ultimate flexibility in selecting the most comfortable reclining position. To accommodate sleeping, the Mitra recliner can adjust to a completely flat position.

- Energetic curves with a slim design
- Wood frame with steam bent, Wallsaver design
- Structural inner steel frame
- Active webbed seat suspension
- Clean out space between seat and back
- Wood or plastisol arm caps featuring pommel design
- Field replaceable covers and components

OPTIONS

- Bariatric
- High Back Patient
- Freestanding tables
- Contrasting textiles
- Moisture barrier



Specifications:

- overall depth: 35"
- overall width: 33 1/2"
- overall height: 45 1/2"
- seat width: 23 1/2"
- seat height: 18"
- arm height: 26"

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Furniture, Chair, Sleeper

Equipment Number
1802.2

Manufacturer ----- Nurture -----	Model Number ----- Mitra -----
--	--

Further Description:

SLEEPER SEATING
In any patient room, the smart use of space is a priority – and products that can do double-duty are a true necessity. Mitra sleeper chairs correspond to the curved styling of all Mitra seating for a unified appearance across public and private spaces.

- Energetic curves with a slim design
- Wood frame with steam bent, Wallsaver design
- Structural inner steel frame
- Active webbed seat suspension
- Clean out space between seat and back
- Wood or plastisol arm caps featuring pommel design
- Field replaceable covers and components

OPTIONS

- Bariatric
- High Back Patient
- Freestanding tables
- Contrasting textiles
- Moisture barrier



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Furniture, Chair, Stackable

Equipment Number 1170.1

Manufacturer ----- Steelcase ----- -----	Model Number ----- Player ----- -----
--	---

Further Description:

Four-Leg Stacker

- The four-leg version of the Player chair stacks six-high on the floor and eight-high on the dolly. Available with or without arms.

Sled-Base

- A sled-based version is available with or without arms.

Stool

- Use the four-leg stool with standing-height tables and worksurfaces. Available with or without arms.

Optional Features

- The four-leg version with arms is available with casters for greater mobility (not recommended for stacking). You can select an optional high back or thick seat. Optional right or left-handed tablet arm tilts up so you can easily enter and exit the chair. Optional bookrack fits under the seat. An alignment device allows you to easily link and unlink rows of Player chairs. A removable ganging device allows you to link chairs more permanently.

Durability

- The Player chair's back, arms, and back legs are reinforced for extra strength. Player has been tested for up to 300 lbs.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Furniture, Chair, waiting

Equipment Number
1170

Manufacturer ----- Nurture ----- -----	Model Number ----- Mitra ----- -----
---	---

Further Description

- Energetic curves with a slim design
- Wood frame with steam bent, Wallsaver design
- Structural inner steel frame
- Active webbed seat suspension
- Clean out space between seat and back
- Wood or plastisol arm caps featuring pommel design
- Field replaceable covers and components

Options

- Bariatric
- High Back Patient
- Freestanding tables
- Contrasting textiles
- Moisture barrier



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September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Furniture, Desk

Equipment Number
1209

Manufacturer ----- Global ----- TurnStone -----	Model Number ----- Boulevard ----- Currency -----
--	--

Further Description:

Boulevard

Worksurfaces

- Manufactured from 1" thick 45 lb density particle board with mar resistant high performance thermofused laminate finish on both sides
- Matching impact resistant 3mm PVC edge banding on all edges
- Laminated on both sides with mar resistant high performance thermofused laminate
- Matching impact resistant 3mm PVC edge banding on all edges
- Gables to be full height
- Modesty panels to end 15" above floor
- Rubberized wiring access at top panels

Drawers

- Five sided drawer construction of 7/16" particle board laminated with black liner grade laminate
- Drawer bottom to be 1/8" masonite
- All edges to be 3mm PVC
- Stops to prevent accidental removal

Currency

Architecture

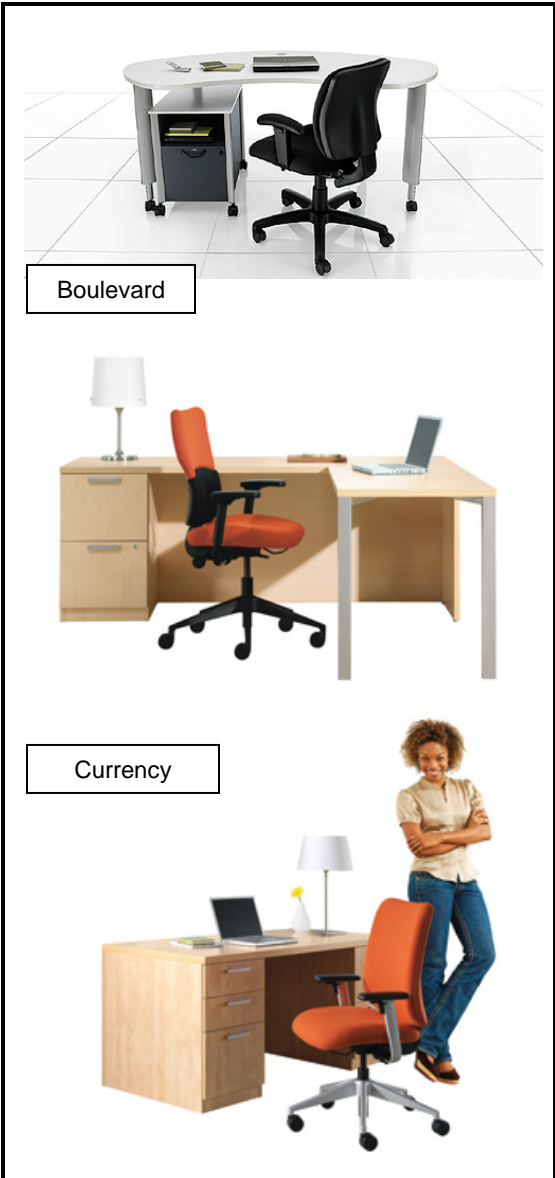
- Dimensionally compatible with the Kick systems portfolio and works with Groupwork products, providing flexibility and planning options.

Aesthetics

- Utilizes the same surface materials as the Kick system and Groupwork tables portfolio.

Affordable

- Best value in a laminate desk solution, offering assembled and flat packed furniture.



Installation Considerations:

- May Require Data line
- Horizontal grade outlet

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Furniture, Sofa

Equipment Number 1573.1

Manufacturer ----- Nurture -----	Model Number ----- Mitra -----
---	---

Further Description:

LOUNGE SEATING
Mitra lounge seating expands the exciting styling cues of the Mitra family to areas requiring larger scale furniture. Featuring maple bases and the option of upholstered, maple, or plastisol arm caps, Mitra lounge is available in one-, two-, and three-seat versions. It's an exceptional solution for any healthcare environment that can benefit from the comfort and residential feel of lounge seating.

- Energetic curves with a slim design
- Wood frame with steam bent, Wallsaver design
- Structural inner steel frame
- Active webbed seat suspension
- Clean out space between seat and back
- Wood or plastisol arm caps featuring pommel design
- Field replaceable covers and components

OPTIONS

- Bariatric
- High Back Patient
- Freestanding tables
- Contrasting textiles
- Moisture barrier



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Furniture, Sofabed

Equipment Number
1573

Manufacturer ----- Nurture ----- -----	Model Number ----- Sieste ----- -----
---	--

Further Description:

- Superior comfort available in custom lengths—ideal for alcoves and limited space requirements.
- Wood frame construction in three standard lengths: 76", 80" and 84"
- Back cushion easily folds open from top for sleeping surface
- Sleeping surface protected from sitting exposure
- No mechanism to break
- Upholstered arm panels or armless
- Center storage drawer
- Field replaceable covers and components

OPTIONS

- Round or square pillows
- Contrasting textiles
- Moisture barrier
- CAL 133

DIMENSIONS	overall depth	overall widths	overall heights	seat widths	seat heights	arm heights
Lounge Chair	27 1/2"	29 1/2"	32 1/2" / 37"	23 1/4"	18"	25"
Loveseat	27 1/2"	52 1/2"	32 1/2"	46 1/2"	18"	25"
Sofa	27 1/2"	75 3/4"	32 1/2"	69 3/4"	18"	25"
Tandem Units	27 1/2"	55 1/2" / 81 3/4" / 81 3/4" / 108"	32 1/2"	23 1/4"	18"	25"
Bariatric Chair	27 1/2"	36" / 46"	32 1/2" / 37"	30" / 40"	18"	25"



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September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Furniture, Stool, Exam

Equipment Number
1600

Manufacturer ----- SteelCase ----- Hon -----	Model Number ----- Exam Stool ----- -----
---	---

Further Description:

Steelcase:

- Five-star, black nylon base
- Black molded polyurethane seat and back
- Pneumatic seat height adjustment

Hon:

- Upholstered back
- Polished base
- Antimicrobial vinyl covering
- Pneumatic seat height adjustment
- Polished chrome and dual wheel hooded 2" casters



Performance Specification:

- 24" diameter five-star base

Steelcase:

- Dimensions
 - Seat depth 13 1/2"
 - Seat width 13 1/2"
 - Seat height 19" - 26 3/4"

Hon:

- Dimension
 - Width: 24-1/4"W
 - Depth: 27"D

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October 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

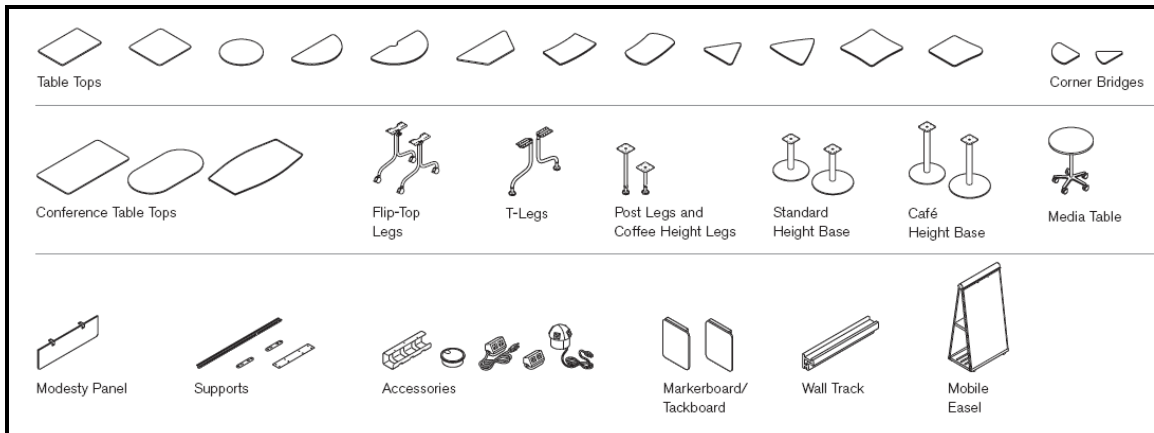
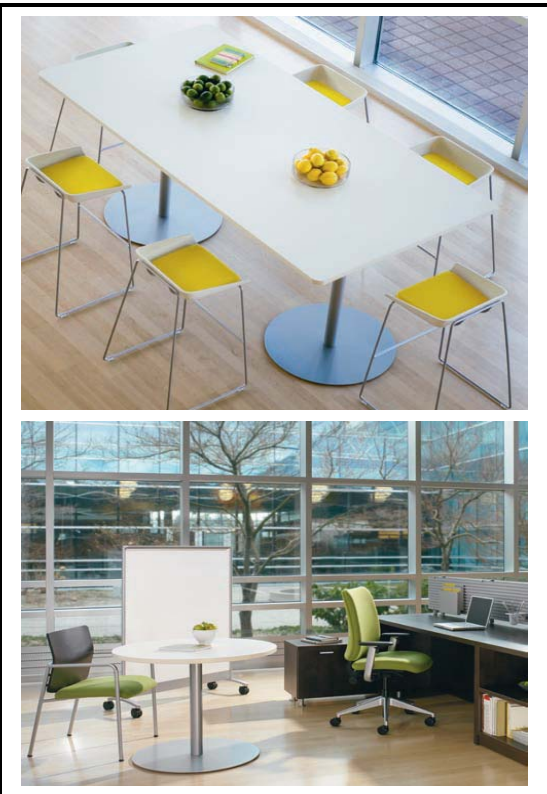
Item Description
Furniture, Table

Equipment Number
1638

Manufacturer ----- Turnstore ----- -----	Model Number ----- Groupwork ----- -----
---	---

Further Description:

- Complements Kick systems furniture
- Mobile or stationary
- Three different type of legs: post, "T" and coffee-height table legs, all with the option of pin-height adjustability
- Many different shapes of table tops that are reconfigurable to your needs
- Groupwork is SCS Indoor Advantage™ certified for indoor air quality



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Furniture, Table, Conference

Equipment Number UBC10

Manufacturer ----- ----- -----	Model ----- ----- -----
---	----------------------------------

<p>Further Description:</p> <ul style="list-style-type: none"> • Movable table(s) • No casters • Minimum 800mm deep • Total table seating capacity must be 8, seated around 3 sides of the table sides (see indicative drawings) • This may be achieved by a single table, or by putting two tables side by-side • Table surface color to be approved by UBC FoM Technology group

Empty space for drawing or additional notes

<p>Specifications:</p> Empty space for specifications

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Furniture, Table, Conference

Equipment Number UBC11

Manufacturer ----- ----- -----	Model ----- ----- -----
---	----------------------------------

Further Description:

- Movable table(s)
- No casters
- Minimum 800mm deep
- Total table seating capacity must be 16, seated around 3 sides of the table sides (see indicative drawings)
- The bottom of the U must have a 6-person seating capacity
- This may be achieved by a single table, or by using several tables
- Table surface color to be approved by UBC FoM Technology group

--

Specifications:

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

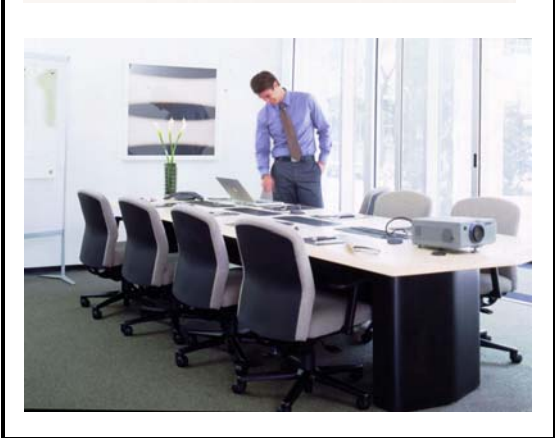
Item Description
Furniture, Table, conference

Equipment Number
1624

<p>Manufacturer</p> <p>-----</p> <p>Steelcase</p> <p>-----</p> <p>-----</p>	<p>Model Number</p> <p>-----</p> <p>E-Table</p> <p>-----</p> <p>-----</p>
---	---

Further Description:

- Base: veneer, laminate or aluminum
- Utility bays for easy access to power, voice & data
- 8-wire, 4-circuit power system, factory-installed
- Variety of top shapes & sizes
- Door in base for easy access to wires & cables
- EDGE: available in self-edge, vinyl edge, or solid hard wood in several profiles. All edges are not available on all shapes—see Vecta's price list for details.
- TOP: plastic laminate in a wide choice of colors or hardwood veneer in several species and stains.
- Custom laminates and custom stains also available
- TABLE HEIGHT: standard at 29" H



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

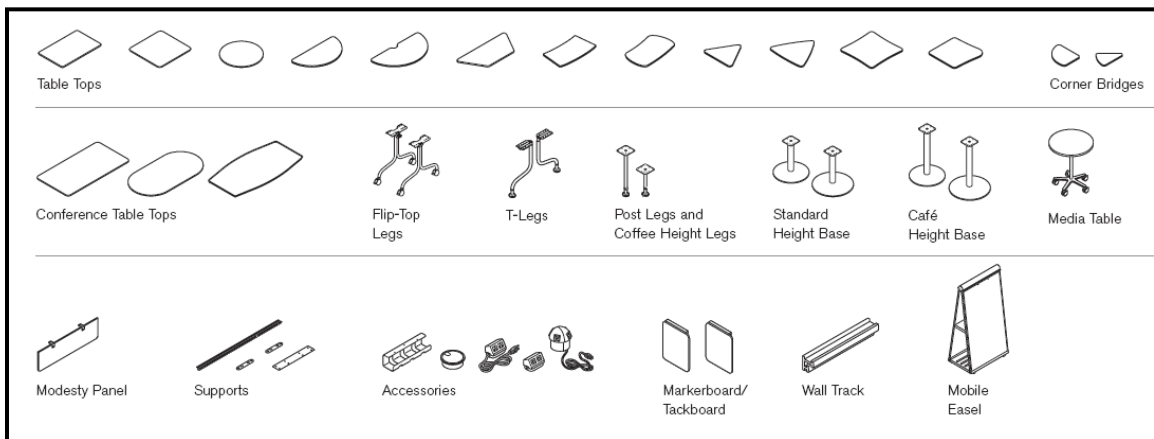
Item Description
Furniture, Table, conference Foldable

Equipment Number
1624.1

Manufacturer ----- Steelcase ----- -----	Model Number ----- Groupwork ----- -----
---	---

Further Description:

- Complements Kick systems furniture
- Mobile or stationary
- Three different type of legs: post, "T" and coffee-height table legs, all with the option of pin-height adjustability
- Many different shapes of table tops that are reconfigurable to your needs
- Groupwork is SCS Indoor Advantage™ certified for indoor air quality



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Furniture, Table, Small

Equipment Number
1638.1

Manufacturer ----- Nurture ----- -----	Model Number ----- Mitra ----- -----
--	--

Further Description:

- reestanding tables designed to complement the Mitra family of seating
- Hard wood maple legs with laminate top surface
- Drum base tables available in veneer or laminate
- Tapered drum tables reduce potential of scuffing side panels

OPTIONS

- Various shapes and sizes
- 32" x 22" oval and rectangle
- 22" round and square

DIMENSIONS

- Freestanding Leg &
- Drum Tables depth width height
- Oval 22" 32" 18"
- Rectangular 22" 32" 18"
- Square 22" 22" 18"
- Round 22" dia. N/A 18"



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description:
Furniture, Workstation, Biomed

Equipment Number
8503.1

Manufacturer ----- Lista ----- -----	Model Number ----- Technical Electronic Workstation ----- -----
--	---

Further Description:

- Choice of bench top accessories
- Built-in electrical power supply
- Incorporates ergonomic design
- Variety of available colors and sizes
- Variety of available work surfaces, including ESD
- ESD grounding accessories, conductive plastic boxes and paint
- Flush drawer handles
- Customizable drawer compartments
- Choice of drawer pedestal sizes and styles
- Easy-access leveling adjustments



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Furniture, Workstation, Height Adjustable

Equipment Number
1647.1

Manufacturer

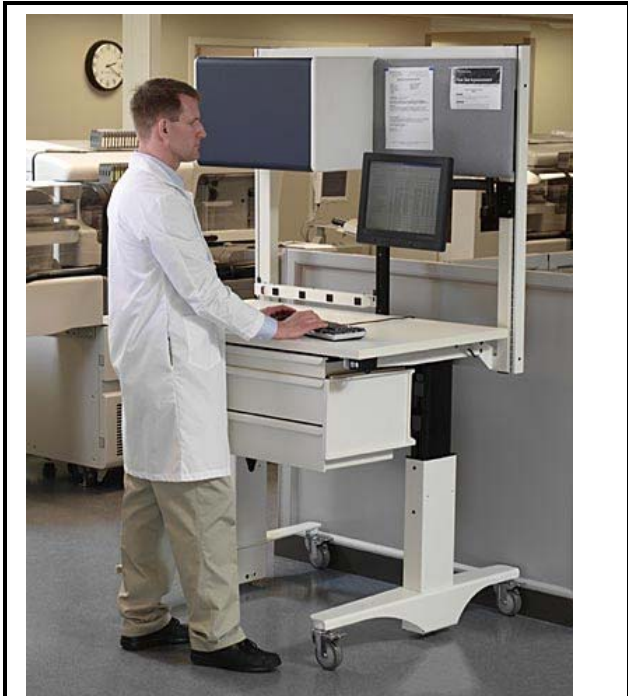
Hermnan Miller

Model Number

Co/Struc System

Further Description:

- Height Adjustable
- The original movable modular system for healthcare and laboratory applications. Co/Struc offers the benefits you need--efficient response to the endless changes you have to cope with, easy to sanitize, true modularity--so you can switch components and parts with ease. And a solid return on your investment. With a 30-year track record, you can be assured that parts and components will always be available.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description:
Furniture, Workstation, Radiologist reading

Equipment Number
8503

Manufacturer

Anthro

Model Number

Carl Table CT Series

Further Description:

	CT08	CT03	CT01
Part #	CT08SG/MCS	CT03SM/DG	CT01GM/xx
Table Dims	69.5"W X 48"D	69.5"W X 46.75"D	52.5" W x 35.5" D
Keyboard Surface Dims	57.75"W X 23.5"D	57.75"W X 23.5"D	39" W x 18" D
Electric Height Adjustment	Yes	Yes	Yes
Electric Tilt Adjustment	Yes	Yes	
Adaptive lighting system	Yes	Yes	
Manual Adjustment of Monitor Arms	Yes	Yes	Yes
Monitor Control System	Yes		
Programmable Height/Tilt Presets	Yes		
Sound reduction/Privacy Panels	Yes	Yes	(optional)
Air Circulation System	Yes		Yes
USB Hub Ports	Yes		Yes
Power Outlets		14	13
Cable Management	Yes	Yes	Yes
Safety System	Yes	Yes	Yes
Supports up to 5 Monitors	Yes	Yes	
Task Lighting	Yes	Yes	Yes
Coffee surface, non-tilting	Yes	Yes	Yes
CPU Holder	Yes	Yes	
Foot Rest	Yes	Yes	
Assembly Service (Included)	Yes	Yes	
Comprehensive Training (Included)	Yes	Yes	
Warranty: 1 year on electrical, 5 years on other components, none on power cord	Yes	Yes	Yes

Metal:
 SILVER METALLIC

Privacy Panel:
 DARK GREY

Top View

Side View, Vertical Electric Adjustability

Side View, Tilt Electric Adjustability

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Glucometer

Equipment Number 2015

Manufacturer ----- LifeScan by Johnson & Johnson ----- -----	Model Number ----- SuperStepFlexx Meter ----- -----
---	--

Further Description:

- The SureStep®Flexx Meter is for in vitro diagnostic use for the quantitative measurement of glucose in venous, capillary, arterial, and neonatal whole blood samples.
- Promotes easy and accurate operator use
- Intuitive menu screens with fully customizable system settings
- Optional barcode scanner reads test strip lot numbers and operator/patient IDs and helps to reduce data entry errors
- Generous 2 minute sample-to-test interval provides operator flexibility
- Large touchpad LCD allows easy viewing and access
- Promotes patient and caregiver safety
- Unique off-meter dosing of the test strip helps with infection control practices
- No meter contact with patient makes it well-suited for ICU, neonatal and isolation units
- Lockouts and warnings ensure meters have been regularly tested and are operated by authorized users only
- QC data helps to monitor operator competence and track certification
- Glucose meter
- result range: 0–500 mg/dL
- display: liquid crystal
- sample type: whole blood
- calibration: plasma equivalent
- hematocrit range: 25–60% (neonatal: 25–65%)



Specifications:

- power supply: three size AA, 1.5-V alkaline batteries
- meter size: height 6.34 in (16.10 cm)
- width 3.55 in (9.02 cm)
- depth 1.63 in (4.14 cm)
- meter weight (batteries included): 12.5 oz (with barcode scanner)
- 12.1 oz (without barcode scanner)
- operating temperature: 18°–30°C (64°–86°F)
- operating humidity: 30%–70% relative humidity (noncondensing)
- altitude: up to 10,000 ft (3048 m)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description Heat sealer
--

Equipment Number 1291

Manufacturer ----- Sebra ----- -----	Model Number ----- 1065 ----- -----
---	--

Further Description:

SEBRA's Model 1065 Integra™ Sealer is ideal for making seals on whole blood bag tubing. This sealer is great for small to medium collection areas. It features an integrated head to minimize clutter and make transport easy. The touch-activated jaws produce wide, reliable seals that are easy to separate.

- Features an integrated head to minimize clutter and facilitate transport
- Touch activated jaws produce wide, reliable seals that are easy to separate



Specification:

- Weigh: 5.7 kg (12.6 lbs)
- Dimensions: 32 cm L x 20 cm W x 21 cm H (12.6 in. L x 7.7 in. W x 8.2 in H)
- Operates at 230V, 50 Hz or 115 V, 60 Hz.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Microscope, Clinical

Equipment Number
1367

Manufacturer	Model
-----	-----
Nikon	E50i
-----	-----
Nikon	E55i
-----	-----

- Further Description:
- Microscope for clinical/laboratory inspection and basic research study
 - Ergonomic tube can be inclined from 10° to 30°
 - Eyepiece can be extended to 40 mm
 - Built in filter
 - Magnification: 10 to 1500x
 - Focusing
 - Coarse: 13.8 mm per rotation
 - Fine: 0.1 mm per rotation
 - Stage
 - Alumite coated surface
 - Surface: 159mm x 243mm
 - Cross travel: 78 (x) x 54 (y) mm
 - Illumination E50i:
 - 6V, 30W halogen lamp
 - 100-240 V
 - Illumination E55i:
 - White LED array
 - AC adapter (100-240 V)
 - Lithium ion battery (optional)
 - Unit dimensions (approx.)
 - 208 (W) x 355 (D) x 486 (H) mm
 - DSC port enables digital imaging using a digital camera



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2008

Item Description Millwork, Monitoring Station

Equipment Number UBC22

Manufacturer	Model
-----	-----
-----	-----
-----	-----

<p>Further Description:</p> <ol style="list-style-type: none"> 1. The monitoring station millwork shall occupy the entire width of the short wall of the central videoconference operator/rack room, and shall have no interruptions across its surface. 2. The depth of the monitoring station millwork shall be 800mm. 3. The monitoring station millwork shall have no drawers. 4. The monitoring station millwork shall be at standard desk height.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Millwork, Tables, Audience

Equipment Number
UBC21

Manufacturer	Model
-----	-----
-----	-----
-----	-----

Further Description:

1. The tables in the medium videoconference/seminar room shall be fixed.
2. The tables in the medium videoconference/seminar room shall be no less than 450mm deep.
3. The distance between the audience seating tables in the medium videoconference/seminar room shall be no less than 800mm.
4. The width of the audience table area per seat in the medium videoconference/seminar room shall be no less than 660mm.
5. The tables shall be designed to accommodate permanently installed gooseneck microphones (1 microphone per pair of seats) and shall provide suitable wiring support infrastructure for the microphone wiring.
6. The tables shall also be designed to accommodate power outlets (1 duplex outlet per pair of seats), and shall provide suitable wiring support infrastructure for the power wiring.
7. See indicative drawings for table layout and seating capacity per table.
8. Note that the four tables may not be of the same length.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Monitor, Central, Physiological

Equipment Number
1387

Manufacturer	Model Number
-----	-----
Philips Medical Systems	IntelliVue Information Centre
-----	-----
GE	CIC Pro Central station
-----	-----

Further Description:

- Central Station surveillance system with continuous display of patient waveforms, numerics and alarms
- Including 2 large, high resolution flat panel displays for display of desired parameters from the bedside monitor
- Alarm capability and recorder to print alarm strips
- Arrhythmia analysis
- ST segment analysis
- Wave review
- Trend review
- Alarm review
- Event review
- Printer, keyboard, mouse or trackball, UPS
- Portal technology and cabling to interface with other hospital information and clinical systems



Performance Specification:

Note: This system should include/link to a database server and all necessary switches, hardware, software, and cabling to link all monitored departments together

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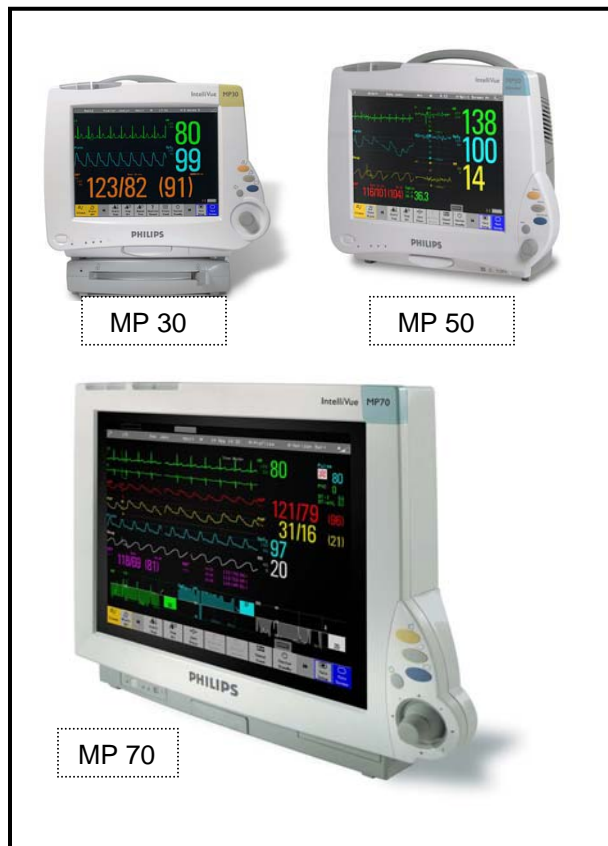
Item Description
Monitor, Physiological

Equipment Number
1390

Manufacturer ----- Philips ----- -----	Model ----- Intellivue ----- -----
---	---

- Further Description:
- Bedside monitor for monitoring, displaying, and alarming on the following patient parameters:
 - ECG with EASI 12-lead and ST segment analysis
 - Non-Invasive Blood pressure
 - Invasive Blood pressure
 - End Tidal CO₂
 - SpO₂
 - Cardiac Output
 - Temperature
 - Bed to Bed viewing
 - Portal Technology to bring outside information to the bedside (eg. Lab and Imaging data)
 - Ergonomic wall mounting hardware and network cabling
 - Compatible with Intellivue information center

- Specifications:
- MP 70
- 15" touch screen LCD display
 - Up to 8 waveforms displayed
 - Size: 405 (W) x 360 (H) x 170 (D) mm
 - Weight: < 10 kg
- MP 50
- 12" LCD flat panel touch screen
 - Up to 6 waveforms displayed
 - Size: 365 (W) x 330 (H) x 217 (D) mm
 - Weight: < 8.6 kg
- MP 30
- 10.4" flat panel touch screen
 - Up to six waveforms displayed
 - Size: 345 (W) x 275 (H) x 230 (D) mm
 - Weight: < 6kg
 - Line Voltage: 100-240 VAC, 50/60 Hz
 - Batteries: Lithium ion



- Installation consideration:
- Power and network cabling should be run to patient bed and central station in order to connect the system to the Hospital network
 - UPS & Essential power
 - Proximity of comm. closet should be considered
 - Wireless considerations
 - Wall mount
 - possible requirement for wireless infrastructure

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

January 2009

Item Description
Slave Monitor, w/ Ceiling mount

Equipment Number
1653.1

Manufacturer ----- Philips ----- Panasonic	Model Number ----- -----
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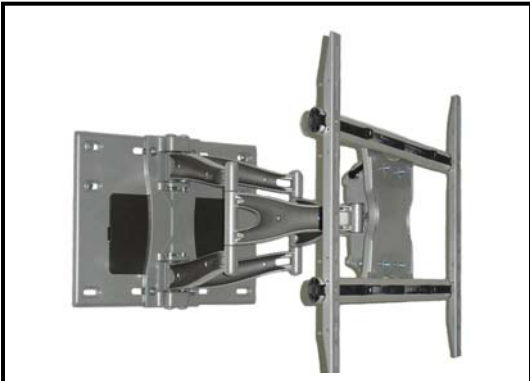
Further Description:

- Slaved monitor from Either central monitor, or physiological monitor
- Variety of size and model exist pending on the decision



Specifications:

- Screen Size: depends on the need
- Resolution: HD
- PC Signal Compatibility VGA, WVGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (WXGA and over resolution : compressed)
- Weight: approx. 70 lbs (50 Kg)
- Dimensions: Depends on the need
- Input / Output
- Power Requirements 110-127 V AC
- Power Consumption 150-400 W
- Power off condition 0.2 W



Further Description:

EXAMPLE:

- Ceiling TV mount – CCM2333
- accommodates televisions up to 42" wide
- fixed 7 degree tilt
- heavy gauge steel with a black finish
- load limit: 220 lbs
- 25" long pipe required
- safety strap included
- swivel: 360 degrees
- Final Design and Layout will dictate type of support



Installation Considerations:


- Wall or ceiling mount
- Cat5 cable and power conection

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

February, 2008

Item Description Monitor, Transcutaneous CO₂	Equipment Number 2028
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Manufacturer ----- PHILIPS/ Respironics ----- -----	Model Number ----- TCO2M® Monitor ----- -----
--	--

<p>Further Description:</p> <ul style="list-style-type: none"> • Real time graphic trends along with numeric values provide truly continuous CO₂ and O₂ monitoring. • A simple menu system with helpful messages guides the user through setup and alert conditions. • Built-in 24-hour trend memory with graphic and histogram displays for analysis of patient history. • The lightweight portable monitor can operate from AC power or from its internal battery. • Sensor calibration is quick, fully automatic and uses a true two-point method for accurate calibrations. • Automatic barometric pressure compensation for accurate calibrations with no need to set/remember "cal values". • TCO2M accepts combination CO₂ / O₂ sensors, and CO₂ or O₂ only sensors for optimum versatility. • Sensors provide superior performance, fast response. • An automatic site timer and skin friendly attachment systems enhance patient safety and comfort. 	
---	---

<p>Specifications:</p> <ul style="list-style-type: none"> • Power: 100-120/200-240 VAC, 50-60 Hz, 40 VA. • Battery: Greater than 3 hour operation, 12 hour maximum recharge, lead-acid gel-cell. • Display Type: Cold Cathode Display (CCD), 5 x 1.5 inches, W x H (12.7 x 3.8 cm). User adjustable contrast. • Monitor Size: 3.3 x 9.0 x 8.0 inches, H x W x D (8.4 x 22.8 x 20 cm). Weight: 8 pounds (3.6 kg). • Temperature: Operating 10-40° C (50-104° F), Storage -10-55° C (14-131° F). Relative humidity: 0-90%. • Altitude/Pressure: Automatic barometric pressure compensation. Range: 560-800 mmHg (71.9-106.6 kPa).
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description
Monitor, Vital Signs

Equipment Number
1400

Manufacturer ----- Welch Allyn ----- Philips ----- GE	Model Number ----- Spot Vital Signs® LXi ----- SureSign 3 ----- Dinamap
--	--

Further Description:

Welch Allyn

- measures blood pressure in about 15 seconds, pulse rate and MAP included
- Choice of SureTemp® Plus or Braun ThermoScan® PRO 4000 ear thermometer
- Ability to manually enter weight, height, respiration rate, and pain level; calculates Body Mass Index
- Connects to select Healthometer® or Tanita® digital scales
- 50-reading memory allows retrieval of previous data for review, to print or to download later
- Error messages give descriptions and solutions
- Available with wireless connectivity option to transmit vitals directly to your hospital HER (wireless option available in U.S. and Canada only)

Philips

- Oral temperature in just four seconds using Welch Allyn SureTemp.
- 8.4" (20.3 cm) color display
- Sturdy handle and rugged housing
- Designed for adult, pediatric, and neonatal patients.
- Lithium ion battery and AC power cord clip.
- Fixed keys for quick access to main functions.
- Non-invasive blood pressure (NBP) includes manual, auto interval, custom interval programs, and STAT modes.
- Integrated strip recorder
- HL7 data output via Ethernet connection.
- Alarm output to nurse call system.



Specifications:

Welch Allyn

- Dimensions Height: 10.63 " (27 cm)
- Length/Braun: 8" (20.32 cm)
- Length/SureTemp Plus: 7.5" (19 cm)
- Depth: 5.25" (13.34 cm)
- Weight 7.5 lbs (3.4 kg)
- Power Requirements Patient-rated transformer is connected to AC mains: 100-240V, 50-60Hz, 0.4A or internal power: 6Vdc, 6Ah
- 5 star Stand; Base Approximately 20"

Installation Consideration:

- Wireless network
- May required Ethernet connection

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Nasoscopes with Light Source and Tray	Equipment Number 12-710
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Manufacturer ----- Karl Storz -----	Model Number ----- -----
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Definition:

Respiratory tract endoscopes designed for direct insertion and visual examination of the nasal cavity. Nasoscopes usually include a lighting system (e.g., fiberoptic) and are capable of seeing pictures from the tip of the device.

Further Description:

60X Flexible Intubation Scope, 3.7Mmx65Cm

Flexible Rhino-Laryngoscope, 3.5Mmx30Cm

Portable Led Light Source

- 1.25W Led
- >50000 LUX,
- W/2 121306P Batteries

Sterilization Tray

- Suitable for Sterrad Sterilization units



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Ice machine, Counter Top

Equipment Number
1304

Manufacturer ----- Hoshizaki ----- Follett -----	Model Number ----- DCM 270 BAH ----- -----
---	---

Further Description:

- Every 12 hours, unit performs 15 minute purge to rid itself of impurities
- Stainless steel exterior
- Up to 282 lbs. of ice production per 24 hours
- Self contained design reducing opportunities for cross contamination
- Dispenses ice and water
- Removable air filter
- Stainless steel internal auger
- R-404A Refrigerant
- Optional SD-270 Stand



Specification: (DCM 270)

Electrical

- 9' 16 AWG Power Cord
- Voltage Range 104 - 127V
- 115V, 8.5 Amp - UL and NSF listed
- 8 KWH per 100lbs of ice production

Dimensions:

- W16 9/16" x D24 1/8" x H31 11/16" (with 4" legs)
- Optional stand: W 16 1/2" x D 24" x H35 3/16" (with 6" legs)
- 1/2 FPT Water Supply
- Ambient Temp Range 45 - 100°F
- Water Temp Range 45 - 90°F
- Water Pressure 10 - 113psig
- Shipping Weight 170 lbs
- Condenser: Air-Cooled

Building Consideration:

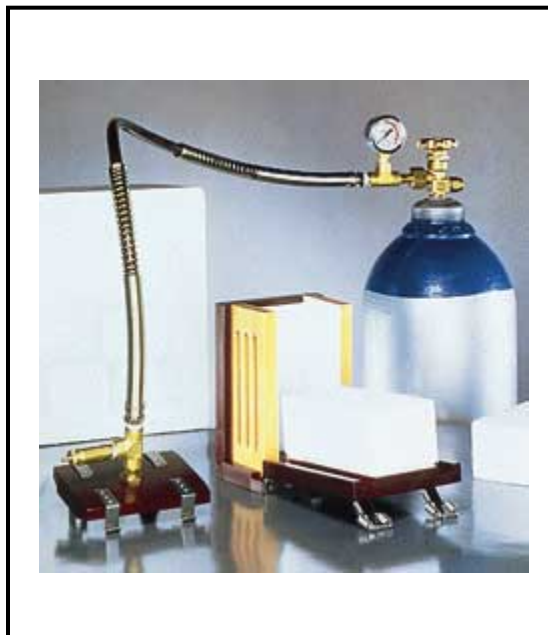
- Drain
- Plumbed in
- For Best Performance Allow 6" clearance For Air Circulation
-

Item Description
Ice Maker, Dry

Equipment Number
2045

Manufacturer ----- VWR (SCA Thermosafe) ----- -----	Model Number ----- ----- -----
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- Further Description:
- Lightweight
 - Economical
 - Insta-Ice machines provide dry ice for low temperature cooling in alcohol baths or low temperature maintenance during shipment of specimens and samples.
 - Can be used to preserve tissue samples and to reduce temperature for microtomy and histology work.
 - Use in the chemical, metal fabrication and food processing industries.
 - Attach the Insta-Ice machine to a liquid CO2 cylinder equipped with a syphon and have solid, dry ice blocks in just 60 seconds.



Specifications:

For Blocks, kg (lbs.) ±10%	Block Dimensions, W x H x L, cm (in.)	Machine Dimensions, W x H x L, cm (in.)	ThermoSafe No.	VWR Catalog#
0.5 (1)	7.6 x 4.7 x 17.7 (3 x 1 ⁷ / ₈ x 7)	12 x 12 x 22 (4 ³ / ₄ x 4 ³ / ₄ x 8 ¹¹ / ₁₆)	460	35742-450
0.8 (1.7)	8.5 x 6.7 x 18.4 (3 ⁵ / ₁₆ x 2 ⁵ / ₈ x 7 ¹ / ₄)	16 x 12 x 23 (6 ⁵ / ₁₆ x 4 ³ / ₄ x 9)	475	35742-472
1.5 (3.2)	13.3 x 8.6 x 18.1 (5 ¹ / ₄ x 3 ³ / ₈ x 7)	18.4 x 14.6 x 22.8 (7 ¹ / ₄ x 5 ³ / ₄ x 9)	485	15714-475

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

December 2009

Item Description Incubator, CO2	Equipment Number 1311
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Manufacturer SANYO	Model Number MCO 34AC (2x17AC)
----- VWR	----- Model # 1927
----- NuAire	----- NU1700

Further Description:

- CO2 Incubators are specifically designed to provide optimum conditions for cell culture
- SANYO CO2 Incubators are available in sizes ranging from 49L to 195L with a variety of options to suit most needs.
- All SANYO air Jacketed CO2 Incubators feature InCuSaFe - a copper-enriched stainless steel interior which expresses a natural germicidal attribute, inhibiting growth of moulds, fungi, mycoplasma and bacteria

VWR

- water jacket
- stainless steel interior
- adjustable shelves
- built in CO₂ gas regulator
- digital display of relative humidity and temperature
- patented HEPA filter
- uninterrupted power source
- Temperature to 35°C +/- 1°C
- Temperature alarm (audible and visual)



MCO 17AC Half size



MCO 34AC Full size

Performance Specification:

SANYO (MCO 17AC)

- Exterior dimensions (W x D x H) 24.4" x 24.0" x 35.4" (619.7 x 609.6 x 899.2mm)
- Interior dimensions (W x D x H) 19.2" x 19.8" x 26.2" (487.7 x 502.9 x 665.5mm)
- Effective capacity 5.8 cu.ft.
- Shelves Standard 5, Max. 7
- Power source Voltage: 115V, 60hz, Amps: 3.6A, Plug/Breaker: NEMA 5-15P/15A
- Power consumption 405W
- Net weight 185lbs / 84kgs
- Air circulation system Gentle air circulation, upward air flow
- Temperature range Ambient temperature +5°C ~ 50°C
- CO2 range 0 - 20%
- CO2 variation ± 0.15%
- CO2 inlet pressure 5 - 7 psi
- Chamber humidity 95% ± 5% RH (at: 20°C, 60% RH)

Installation considerations:

- CO2 inlet pressured 5-10 psi is required for this unit
- For water jacketed models requires water supply and drain (May requires RO water supply)
- 115 V 60 Hz >3.7 A (recommended outlet 15 A)
- UPS
- Essential power
- Central Alarm Monitoring

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Incubator, Infant

Equipment Number
1325

Manufacturer	Model Number
----- GE Medical -----	----- OmniBed (Giraffe) -----

- Further Description:
- Dual access doors
 - IV pole
 - Drawer module
 - Remote alarm module
 - Variable height stand
 - Integrated X-ray tray
 - Dual air curtains
 - Two skin temperatures
 - In-bed scale
 - Digital temperature display range, °C: 17-45 for air and skin
 - Audible alarms for high/low temp; fan, sensor and power failure
 - Backup thermostat
 - 24 hour trended data display for temperature, O₂, humidity, heat output, weight gain
 - Line power: 100-240 VAC
 - Temperature control range, °C: 20-39, 0.1 increments (air); 34-38, 0.1 increments (skin)
 - < 47dBA noise level



- Performance:
- Dovetail Rail Mounting System
 - Patented Baby Susan Rotating Mattress
 - Dual Access Doors and Gumdrop Shaped Portholes
 - Large 19" Mattress
 - Centralized Control Unit for Maximum Accessibility
 - Fully Upgradable Microprocessor Controller
 - Elevating Base
 - Internally Activated Bed Tilt
 - Servo Controlled Humidifier
 - In-bed Scale and Integrated Trending
 - Integrated X-ray Cassette Tray
 - Radiant Warmer
 - Elevating Hood

- Specification:
- Maximum Height: Canopy down - 70 in (177 cm)
 - Canopy up - 94 in (238 cm)
 - Minimum Height: Canopy down - 58 in (147 cm)
 - Canopy up - 82 in (208 cm)
 - Footprint: 45 in x 26 in (114 cm x 66 cm)
 - Weight: 304 lbs (138 kg)
 - Floor to mattress height: 32 in to 44 in (81cm to 111 cm)
 - Mattress size: 26 in x 19 in (66 cm x 48 cm)
 - Electrical Power: 9A @ 115V-50/60 Hz
 - Fuses: (2) T 3.15A, 250V; (2) T 2A, 250V

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Incubator, Infant, Transport

Equipment Number
1326

Manufacturer ----- AirBorne -----	Model Number ----- Voyager -----
---	--

Definition:

Incubators used to transport infants outside or within the medical facility. These incubators provide a close and controlled environment by circulating heated air for the purpose of maintaining appropriate temperature and humidity levels for premature infants. These units are typically mounted on casters, which may be equipped with brakes. (Source ECRI)

Further Description:

Voyager on Air/Oxy Cart
Lightweight, compact, easily maneuverable, and capable of locking into existing ambulances, holds 4 "e" or 2 large cylinders and has room for storage.

Dedicated Ambulance Transport
With all the features of the above unit, this system easily loads into an ambulance designed for use with adult stretchers. It is perfect for hospitals that do not have a dedicated ambulance for neonatal transport.

Standard Features:

- Double-wall hood with full 360° visibility
- Head access door
- Front access door with two hand ports
- Accessory ports for IV and respiratory tubing
- Mattress
- Humidity Reservoir
- High-intensity exam light
- Skin temperature probe
- Oxygen blender with flowmeter (0-16 lpm)
- AC power outlets for accessories
- Disposable restraint straps
- Noise level <60 dB
- Meets standards for: CSA, ETL, UL, IEC, and the U.S. Air Force

Options Available:
Nitric oxide delivery system, High frequency/ conventional ventilation, Ambulance stretcher, Gas modules customized for "D" and "E" cylinders, Hand door cuffs, Iris port, DC cable, 3-pump IV pole, High rise handles, suction, Manual ventilation bag & block, Vital signs monitor, Oxygen analyzer, Cable management bag, Neonatal respiratory bag, Air and oxygen cylinders, Air and oxygen regulators, Infant restraint harness (papoose style), Gel mattress, Thermal cover





Specifications:

- Electrical Specifications: 110-240 VAC 24VDC, internal Battery: 24 V, 26A
- Ambulance model Size (H x W x L) Cm: 109.6 x 55.8 x 96.8
- Helicopter model Size (H x W x L) Cm: 45.7 x 53.3 x 134.6
- Weight: 50 – 60 Kg (varies by model)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Incubator, O₂	Equipment Number 1313
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Manufacturer ----- SANYO (Multi Gas) ----- VWR -----	Model Number ----- MCO-36M(UV) ----- Model 1915A, Cat #35962-062 -----
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<p>Further Description:</p> <p><u>VWR</u></p> <ul style="list-style-type: none"> For the incubation of Microbiology agar plates and tubes in an aerobic (O₂) atmosphere 27 cu ft capacity Micro-processor controlled with digital temperature set point and digital display of temperature 6 shelves that are adjustable from top to bottom on ½" centers Temperature 35°C +/- 1°C Washable interior Washable interior Optional Uninterrupted power source Temperature alarm (audible and visual) <p><u>SANYO</u></p> <ul style="list-style-type: none"> Accept both O₂ and CO₂ Gases ActiveBackground Contamination Control Patented Direct Heat, Air™(DHA) Incubator Heating System SANYO inCu saFe™ copper-alloy-stainless interior, shelves and plenum Zirconia O₂ Sensor For Maintenance-Free Oxygen Control Contamination Resistant Design 	<div data-bbox="933 678 1049 726" style="border: 1px solid black; padding: 2px; display: inline-block;">VWR</div>   <div data-bbox="1192 1346 1336 1394" style="border: 1px solid black; padding: 2px; display: inline-block;">SANYO</div>
--	---

<p>Performance Specification:</p> <p><u>VWR</u></p> <p>Dimensions (W x D x H) cm (in):</p> <ul style="list-style-type: none"> Interior: 78 x 63.5 x 160 (30 ¾ x 25 x 63) Exterior: 91.4 x 86.4 x 188 (36 x 34 x 74) <p><u>SANYO</u></p> <ul style="list-style-type: none"> W x D x H 620 x 710 x 900 mm Shelf capacity 4 standard 194 Kg 340 litter 	<p>Installation Consideration:</p> <ul style="list-style-type: none"> CO₂ inlet pressured 5-10 psi is required for this unit For water jacketed models requires water supply and drain (May require RO water supply) Shipping weight: 299 kg (660 lbs) 120 Volt / 60 Hz / 100 Watt UPS Essential power Central Alarm monitoring
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This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Incubator, Platelet

Equipment Number
1314

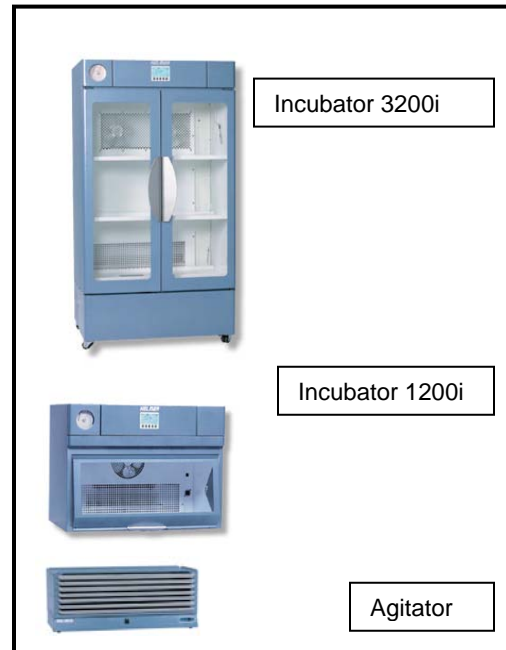
Manufacturer	Model Number
-----	-----
Helmer	PC 1200i Incubator
-----	-----
Helmer	PF 96i Platelet Agitator
-----	-----
Helmer	PC 3200i Incubator

Further Description
PC 3200i & 1200i:

- i.Center Integrated Monitoring System with:
 - Advanced monitoring of temperature, agitator motion, and door openings
 - Password protection
 - Automatic alarm testing at the touch of a button
 - Adjustable alarm volume and tone
 - Event logs
 - LCD temperature graph with 24 continuous hours of data
- Forced-air circulation
- Bacteria-resistant powder coating
- Electric condensate evaporator
- Single-pane, tempered glass door

PF96i:

- Stores 96 random bags or 32 apheresis bags
- Built-in motion alarm with adjustable volume and delay. An alarm sounds when the side-to-side motion is not detected. When placed in an i.Series incubator, the agitator can be monitored by the i.Center® with the AgiTrak™ system.
- Single fan for forced air cooling
- Pull-out drawers for easy access to platelets
- Drawers are removable to create additional space
- Label holders provided for each agitator drawer. They accommodate magnetic or adhesive labels



Specifications

PC3200i

- Door: Dual-Pane Tempered Glass
- Interior Material: Galvannealed Steel with Bacteria-Resistant Powder Coating
- Interior Dimensions (w x h x d): 36.50" x 50.75" x 18"
- Exterior Dimensions (w x h x d): 40.25" x 75.5" x 28"
- Overall Exterior Dimensions Includes door handles (w x h x d): 40.25" x 75.5" x 30.25"
- Casters: 4 Swivel, Locking
- Refrigeration: 1.8 HP Air-Cooled, R134A Non-CFC
- Electrical: 115V 60Hz 12 FLA
- Net Weight: 431 lb

Installation Considerations:

- Allow a minimum of 4" across sides and back of all floor model incubators for ventilation and power cord.
- UPS and Essential power (UPS may be required to be dedicated)
- Central Alarm monitoring
- Data downloadable to PC

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description Infusion Pump Management Device
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Equipment Number 8578

Manufacturer ----- Hill-Rom ----- -----	Model Number ----- IMD ----- -----
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Further Description:


The Hill-Rom® Infusion Management Device (IMD) facilitates an ergonomic and efficient transfer of IV bags and infusion pumps during the patient transport process.

- Flexible
 - Single solution in patient and pump transfer (Transfer the rack and pumps directly to the bed or the cart to facilitate patient care)
 - Mounts to the Latitude® or Prima® Xtend® service head
 - Universal bed attachment brings safe and effective infusion management to all areas of the hospital
- Ergonomics
 - Simple and safe transfer of infusion pumps (No bending, lifting, or twisting – let the bed, rack or service head do the work.)
 - Integrated pump management; leverages bed technology and service heads
- Efficient
 - Reduces patient transport time
 - No more inefficient “team equipment transfers” (A single care provider can safely and easily move all the equipment between the bed, service head and rack)
 - A secure and easy locking mechanism attaches rack to bed or service head




Rack

- (8) IV Hooks
- (3) Stainless steel poles
- (2) Black plastic mounting posts
- Yellow safety latch




Cart

- Mounting cup
- EZ roll urethane casters (2) locking



Bed Arm

- TotalCare® bed arm and aluminum mounting cup



Latitude® Arm

- Aluminum mounting block
- Double jointed arm
- Aluminum mounting cup

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Injector, contrast, (Pedestal & Ceiling Mount Assembly)	Equipment Number <p style="text-align: right;">1316</p>
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Manufacturer ----- Medrad ----- -----	Model ----- Stellant D Dual Syringe ----- Ceiling mounted overhead -----
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Further Description:

Stellant D Dual Syringe:

- Designed for complex CTA and cardiac protocols
- Enables precisely timed contrast delivery
- Real-time display of injection pressure in graph form
- Automatic filling and priming with a touch of a button
- Disposable syringe
- Syringe volume capacity: 200 mL
- Flow rate range: 0.1-10 mL/sec (0.1 mL increments)

Ceiling Mount Overhead:

- For CT, Angio, and cardiovascular injection systems
- Provides precise injector head placement
- Maximizes 360° capability
- Performs in front or rear of gantry
- Range of horizontal motion (ceiling mounted)
 - Standard arm: 166 cm
 - Short arm: 135 cm
- Mobile ceiling mounted assembly provides additional horizontal range



Specifications:

Stellant D Dual Syringe:

- Electrical requirements: 100-240 VAC, 50/60 Hz
- Syringe heater range: 35° C +/- 5°
- Head mounting options: Overhead counterpoise system or pedestal
- Dimensions and Weight
 - Dual injector head: 15.5 (H) x 30.7 (W) x 36.8 (D) cm, [8.1 kg]
 - Display control unit with stand: 34.3 (H) x 31.9 (W) x 22.5 (D) cm, [3.7 kg]
 - Base Unit: 29.2 (H) x 27.9 (W) x 22.5 (D) cm, [6.2 kg]

Ceiling Mount Overhead:

- Weight of overhead counterpoise system: 42.3 kg
- Ceiling mount plate: 12.4 kg

Installation consideration:

Stellant D Dual Syringe:

- In case of a wall mount or ceiling mount instead of a portable stroller, please check the mounting installation detail in attached document.

Ceiling Mount Overhead:

- Room floor to ceiling 249-320 Cm
- Ceiling mount plate: 370x370 mm
- Ceiling mount requires support structure and frame bracing

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description

Gammacell Irradiator

Equipment Number

1186

Manufacturer

Best Theratronics

Model Number

1000 elite

Further Description

Inactivation of transfused lymphocytes with the use of gamma irradiation of blood components remains the most efficient method for inhibiting lymphocyte blast transformation and mitotic activity and hence preventing TA-GVHD.

- Digital traceability
- Barcode reading capability
- Built in security
- Bypass mode
- Battery back-up
- Ethernet (web browser) access and LIMS interface provide digital traceability options for blood products



Specifications:

- Installed Weight 1150 kg (2,535 lb.)
- Height 1550 mm (61 in.)
- Width 800 mm (31.5 in.)
- Length 980 mm (38.5 in.)
- Floor Loading Area: 0.78 m² (8.4 sq. ft.)
- Floor Loading 1467 kg/m² (301 lb./sq. ft.)
- Power source 100, 115, or 230 VAC; 50/60 Hz; 0.3kVA, with Ground

Installation considerations:

- Floor Loading 1467 kg/m² (301 lb./sq. ft.)
- Data line: Ethernet access and LIMS interface
- UPS, essential power
- Battery backup lighting in room
- Possible radiation shielding requirements
- Place in a secure lockable room
- Minimum room size 7 feet wide by 6 feet deep

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Kitchenware, Dishwasher

Equipment Number
1218

Manufacturer ----- Electrolux -----	Model Number ----- EWDW6505GS -----
---	---

- Further Description:
- Sure-2-Fit racking system: versatile racking system
 - Blue LED indicator light: blue led lighting illuminates the floor underneath to let you know your dishes are clean
 - upper and lower racks are smooth to extend easily
 - Dry system: uses a high-efficiency fan for drying
 - Hold door: door stays put at whatever angle you place it
 - Leak Detection system: detects any water leak and immediately stops and drains the appliance while sounding an audible and visible alarm
 - Energy Star qualified
 - Stainless-steel interior
 - Auto-wash option
 - Nine wash cycles: auto wash, heavy, normal, favorite, quick, delicate, eco wash, Perfect Stemware and rinse only
 - Five options: Hi-Temp. wash, hi/low pressure, air dry, NSF certified sanitize option, delay start (30 minutes - 24 hours)
 - Sabbath mode (Star-K Approved)

- Specifications:
- Height (Adjustable): 33-7/8" – 34-7/8"
 - Width: 23-3/4"
 - Depth (to Center of Arc): 24-5/8"
 - (with 90° Door Open): 49-7/8"
 - Power Supply/Water Inlet Location: Middle Bottom Rear
 - Leveling Legs: Yes
 - Water Usage (Gallons) – Normal Cycle: 4.9 – 8.5
 - Water Pressure (PSI): 15 – 120
 - Voltage Rating: 120V/60Hz/15A
 - Connected Load (kW Rating) @120 Volts: 1.44
 - Amps@120 Volts: 9
 - Product Weight: 98 Lbs.
 - Shipping Weight: 115 Lbs.

- Installation Considerations:
- Drain
 - Water supply



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Kitchenware, Microwave	Equipment Number 1379
---	---------------------------------

Manufacturer ----- General Electric ----- Panasonic -----	Model Number ----- JVM1850WMC ----- -----
--	--

Further Description:

- Easy to use
- Optional Hood
- Bench top
- Easy to clean



Specifications:

- Product Width (In.) 29.9
- Product Height (In.) 16.4
- Product Depth (In.) 15.3
- Oven Capacity (cu. ft.) 1.8
- Cavity Width (In.) 21.9
- Cavity Height (In.) 9.5
- Cavity Depth (In.) 14.6
- Must comply with Surrey Fire Department Regulations on use of Microwaves in Health Facility & FH Fire Code requirements

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Dec 2009

Item Description
Kitchenware, Stove & Hood Vent

Equipment Number
2044

Manufacturer ----- LG ----- Boche -----	Model Number ----- LSC5683WS ----- -----
--	---

Further Description:

- Black Cabinet Sides and Stainless Steel Door
- Different Colour Option
- Cabinet: Black
- Control Panel: Stainless Steel



Specification:

- Product Width (In.) 29.9
- Product Height (In.) 47.6
- Product Depth (In.) 28.0
- Wheels/Legs Adjustable Legs
- Energuide Rating (kWh/Year) 585
- Oven
- Oven Capacity (cu. ft.) 5.6
- Bake Element Pass 6
- Bake Element Power (W) 3400
- Broil Element Power (W) 4000

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

December 2009

Item Description Kitchenware, Water Dispenser, Hot and Cold	Equipment Number 2043
--	--------------------------

Manufacturer ----- Greenway ----- -----	Model Number ----- GWD4650W ----- -----
---	---

- Further Description:
- For use with 3 or 5 gal (12 or 19 L) bottles and most water filtration systems, not included
 - CFC free, high efficiency compressor for improved cooling
 - Benefits
 - A Childproof Safety Lock Prevents Burns From The Hot Water Tap
 - Ready-To-Dispense Indicator Lights Are Easy To See And Read
 - A Convenient Night Light Lets You Use The Dispenser Even When Its Dark!

- Performance Specification:
- Unit Net Weight with base: 29.4lbs
 - Unit Net Weight without base: 26.2lbs
 - Unit Dimensions with base: D (diameter) x H (height) : 13" x 38.9"
 - Unit Dimensions without base: D (diameter) x H (height) : 13" x 19.7"
 - Hot : 194 ° F
 - Cold : 46 ° F
 - Power Consumption: Hot - 1300W Cold - 80W
 - Cooling System : Compressor
 - Color : White



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

December 2009

Item Description
Lamp, Magnifying Glass

Equipment Number
1805

Manufacturer ----- Luxo Lamp ----- -----	Model Number ----- 17904BK ----- -----
---	---

Further Description

- wave plus ESD series magnifier and lamp c/w base
- 3.5 diopter lens (1.85X), size 6¾" x 4½"
- a/r coating to dissipate static electricity
- precision balanced arms
- two 13W quad fluorescent tubes
- warranty: 5 years



Installation Considerations:

- 120 V

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Laryngoscope	Equipment Number 1533
---	---------------------------------

Manufacturer Heine	Model Number Fiberoptic Blade F-00.22.110
-----	-----
-----	Handle X-00.99.403
-----	-----

Further Description:

MAC 3m Fiber Optic Laryngoscope Blade:

- Overall Length: (76-207mm)
- Distal Width: (9.5-15.9 mm)
- Fiber bundle with up to 6500 individual micro-fibers
- XHL Xenon light bulb
- 4.5mm diameter Fiber Optic bundle

F.O. NT 3.5V Rechargeable handle:

- Bottom insert
- Rechargeable battery
- NT 200 Charger



Specification:

Paed 0 F-00.22.110

- Overall length: 82 mm
- Distal width: 12 mm

Paed 1 F-00.22.111

- Overall length: 95 mm
- Distal width: 13 mm

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Laryngoscope, Video

Equipment Number
1534

Manufacturer ----- Verathon ----- -----	Model ----- GlideScope GVL ----- -----
--	---

- Further Description:
- Integrated high resolution CMOS camera and light source
 - 50 to 60-degree blade angulation
 - Anti-fogging mechanism resists lens contamination
 - Video displayed on color monitor
 - Video output and recording feature
 - Slim blade profile
 - Battery and/or AC power
 - Can be mounted on mobile stand or IV pole



- Specifications:
- Monitor weight: 3.2 lbs
 - Scope blade length
 - Large: 101 mm
 - Medium: 82 mm
 - Small: 48 mm
 - Mobile stand
 - Pole height: 75 to 119 cm
 - Pole weight: 1.5 kg

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2008

Item Description
Laser, Ophthalmic

Equipment Number
1334

Manufacturer ----- IRIDEX ----- -----	Model ----- OcuLight SLx (810) ----- -----
--	---

Further Description:

- Use for Retinopathy of Prematurity (ROP) disorders
- The OcuLight SLx is available with Tri-Mode™ capability to maximize treatment flexibility offering CW-Pulse™, MicroPulse™, and LongPulse™ treatment options to perform traditional laser photocoagulation procedures
- No cooling or special power required
- Combined by Trufocous headset to use the best adjustment and laser use
- 810 nm Infrared laser offering high performance for retinal photocoagulation
- Ophthalmic lasers are regulated by the FDA as Class II devices



Specifications:

- Weight: 6.4 kg
- Size H x W x D Cm: 10 x 30 x 30
- 115 VAC 0.8 A

Installation Considerations:

- "Laser in use" sign must be installed outside the room
- Data line for future expansion

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Lead Apron Rack
--

Equipment Number 1460

Manufacturer ----- CSP Medical ----- -----	Model Number ----- 683100 ----- -----
---	--

Further Description:

- holds five aprons
- powder coated steel mounting bracket and arms with nylon bushings and washers
- right or left hand fold to wall



Performance Specification:

- 27" W x 14" H

Installation Considerations:

- Wall mounted
- Backup required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Lead Shielding, Portable

Equipment Number 1570

Manufacturer ----- CNMC ----- MarShield -----	Model Number ----- 958-000 ----- -----
--	---

Further Description:

CNMC

- lead shield panel set in a metal frame
- Height and size to be determined
- lead shield is fixed at 22" above the floor

MarShield

- Lead shielding .063 thick
- Optically clear lead glass window 8" x 10"
- 72" high and 36" wide
- lead liner overlaps the lead glass to ensure complete protection.
- Balanced for stability with heavy steel legs and supported by 2 1/2" diameter casters.



Performance Specification:

CNMC

- lead thickness: 1"
- lead size: 30"H x 36"W
- lead height: 52"
- lead height above floor: 22"
- under bed clearance: 10½"
- casters: Four 6" swivel locking ball bearing
- finish: tan textured polyurethane enamel
- dimensions: 58" x 34" x 30"
- weight: 215kg

MarShield

- Height: 72" (183 cm)
- Width: 36" (91 cm)
- Lead Shielding: .063" thick (1.6 mm)
- Lead Glass Window: 8" x 10" (20 x 25 cm); 1/6" thick (.42 cm)
- Wheels: 2 1/2" diameter double race, heavy duty ball bearing casters
- Finish: Silver gray hammertone baked enamel
- Shipping Weight: 042-555: 170 lb (85 kg)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

March, 2008

Item Description

Lectern

Equipment Number

UBC20

Further Description:

1. All left/center/right and front/back references are from the perspective of a lecturer standing at the lectern and facing the audience.
2. The lectern millwork shall have a footprint of 2200mm x 960mm.
3. The lectern shall consist of two sections. The left section, which shall be 562mm wide, and the center/right section, which shall be at least 1638mm wide.
4. The left section shall be designed to accommodate a standard 19" equipment rack and provide for a rack mount minimum height of 560mm. This equipment rack will hold audiovisual equipment.
5. The side walls of the left lectern section shall be equipped with 50mm diameter ventilation holes on both side walls. The number and spacing of the holes shall be such that sufficient airflow is provided for cooling the audiovisual equipment.
6. The back of the left and the center/right sections of the lectern shall be equipped with hinged access doors which provide access for installation of equipment and wiring, and for maintenance.
7. The two access doors shall each be 457mm high and 559mm wide and shall be lockable.
8. The working surface of the left lectern section shall be at 863mm above finished floor (AFF).
9. The left lectern section shall include a 140mm high drawer, which shall be on full extension slides. The drawer front shall be flush with the audiovisual equipment rack.
10. The left section shall provide a build-out at the back of the lectern to provide a suitable location to accommodate up to 2 articulated arm monitor wall mount brackets (VESA standard mount). The intended monitor arm mounting location on the lectern build-out shall have double layer plywood backing. The build-out shall be 211mm deep, 562mm wide and 254mm high.
11. The center/right section of the lectern shall be equipped with a height-adjustable 1533mm wide and 737mm deep table, supported by a 1220mm wide power lift.
12. The height-adjustable table shall provide an adjustment range of 230mm with a minimum height of 760mm above finished floor to a maximum height of 990mm above finished floor.
13. The height-adjustable table shall be equipped with a 250mm deep modesty panel.
14. The power lift shall be equipped with a remote cable rocker switch.
15. The feet of the power lift shall be anchored to the floor and to the table surface millwork.
16. The center/right lectern section shall be equipped with a 175mm deep and 1371mm wide outlet chase equipped with hinged cover panels including 12mm wide routed slots for cable pass-through.
17. Below the outlet chase shall be the location of the lectern service chase, which shall run the whole width of the lectern.
18. Below the service chase shall be a 1450mm wide and 116mm deep opening zone for floor penetrations, to provide the ability to route all required high voltage and low voltage connections to the lectern.
19. On the right side of the lectern service chase shall be a 400mm high x 110mm wide opening for electrical and low voltage services.
20. The lectern shall be anchored to the concrete slab for seismic restraint.
21. The base of the lectern shall be 64mm high and shall be made of stainless steel securely bonded to cabinet frame.
22. The lectern construction shall be plastic laminate on 19mm medium density fibre-board.
23. The countertop shall be plastic laminate on 25mm veneer core plywood.
24. The lectern finishing shall be plastic laminate for all panels and all panel edges.
25. The finishing color shall be a uniform, light grey to maximize reflection of indirect lighting from instructor lighting.
26. See attached lectern millwork conceptual plan, section and elevation layouts drawings.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description

Lecture theatre audience table

Equipment Number

UBC24

Further Description:


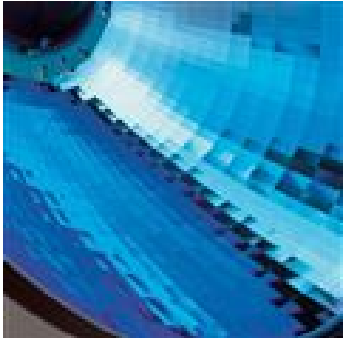
1. The audience/student area in the lecture theatre shall have fixed tables.
2. The distance between the audience seating rows in the lecture theatre shall be no less than 800mm.
3. The width of the audience table area per seat in the lecture theatre shall be no less than 800mm.
4. The audience/student tables shall have a depth no less than 450mm.
5. The tables shall be designed to accommodate permanently installed gooseneck microphones (1 microphone per pair of students) and shall provide suitable wiring support infrastructure for the microphone wiring.
6. The tables shall also be designed to accommodate power outlets (1 duplex outlet per pair of seats), and shall provide suitable wiring support infrastructure for the power wiring.
7. See indicative layout drawing for the lecture theatre/videoconference room for table configuration and layout.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Light, Exam, Ceiling Mount	Equipment Number 1344
---	---------------------------------

Manufacturer ----- Steris / Maquet -----	Model Number ----- Blueline 80 -----
--	--

<p>Further Description:</p> <ul style="list-style-type: none"> • Illumination 90,000 Lux • High efficient infrared filtration for increased heat filtering • Electronic switchover to reserve bulb when the main light source is down • Integrated On/Off switch, easily accessible on the body of the light • Sterilize able hand-grips • Full rotation around the vertical axis and precise positioning in any desired position • Dust-proof, robust housing with smooth surfaces for perfect hygiene • Automatic switchover to integrated emergency power supply • Up to 8 hours standby in battery mode • Automatic charging • Emergency power system • Integrated alarm system (LED, audible signal) 	 
--	---

<p>Performance Specification:</p> <ul style="list-style-type: none"> • Illumination (lx) 90,000 • Field diameter (cm/inch) 16 / 6.3 • Depth of volume of light L1+L2 (cm/inch) 140 / 55 • Colour Rendering Index (CRI) (Ra) > 85 • Irradiance (W/m2) 360 140 • Diameter of lighthead (cm/inch) 35 / 13.8 • Weight of the lighthead (kg/lb) 5.4 / 11.9 <p>Electrical and mechanical characteristics</p> <ul style="list-style-type: none"> • Power supply input voltage (V) 100 - 230 • Lighthead power consumption (V) max 150 VA • Nominal voltage (V DC) 22.8 	<p>Installation Considerations:</p> <ul style="list-style-type: none"> • 120 V • Ceiling mount
---	---

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description
Light, Billirubin

Equipment Number
1350

Manufacturer ----- Olympic ----- -----	Model Number ----- BILI-LITE 67 ----- -----
---	--

Further Description:

- Freestanding overhead lamp
- Adjustable angles: 0-90°
- Fluorescent bulbs
- Number of bulbs: 4
- Bulb fan
- Treatment Timer
- Sturdy base with 4 casters for easy movement
- One-hand, floating height adjustment
- Plexiglass shielding of overhead lamps
- Radiometer matched to the unit, to monitor light output



Performance Specification:

- Light cabinet, LxW cm: 66x27.9
- Power – 110 VAC

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Light, Exam, Portable	Equipment Number 1828
--	---------------------------------

Manufacturer ----- Steris / Maquet -----	Model Number ----- Blueline 80 Portable -----
--	---

Further Description:

- Illumination 90,000 Lux
- High efficient infrared filtration for increased heat filtering
- Electronic switchover to reserve bulb when the main light source is down
- Integrated On/Off switch, easily accessible on the body of the light
- Sterilisable hand-grips
- Full rotation around the vertical axis and precise positioning in any desired position
- Dust-proof, robust housing with smooth surfaces for perfect hygiene
- Reliable electronics
- Space-saving, portable due to the compact transport position
- Vertical stability due to tilt-resistant, symmetric 5-foot safety stand and double casters with brakes



Performance Specification:

- Illumination (lx) 90,000
- Field diameter (cm/inch) 16 / 6.3
- Depth of volume of light L1+L2 (cm/inch) 140 / 55
- Colour Rendering Index (CRI) (Ra) > 85
- Irradiance (W/m2) 360 140
- Diameter of lighthead (cm/inch) 35 / 13.8
- Weight of the lighthead (kg/lb) 5.4 / 11.9

Electrical and mechanical characteristics

- Power supply input voltage (V) 100 - 230
- Lighthead power consumption (V) max 120 VA
- Nominal voltage (V DC) 22.8

Installation Considerations:

- 120 V
- Roll Stand

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

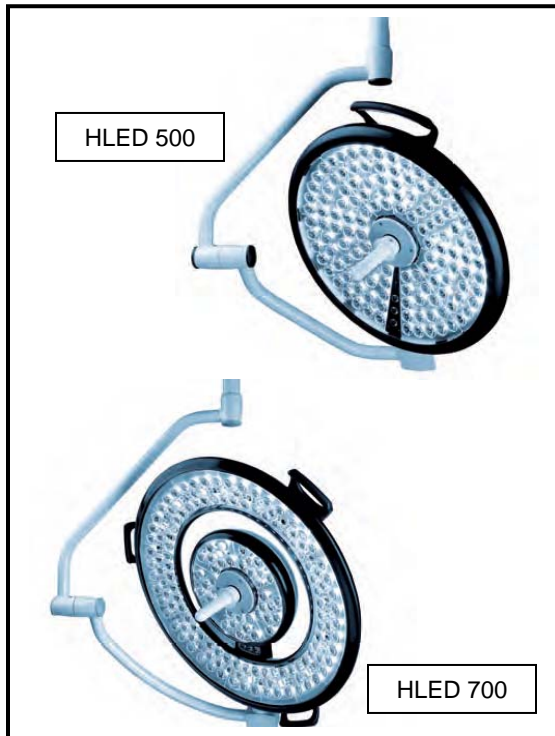
August 2009

Item Description Light, Procedure, Ceiling mount	Equipment Number 1354
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Manufacturer ----- Steris / Maquet ----- -----	Model Number ----- HLED 500 ----- HLED 700 -----
---	---

Further Description:

- LEDs compared to halogen light bulbs lasting about 1,000 hours and fluorescent tubes lasting 20,000 hours
- Maintenance free
- more lux with less watts (power consumption)
- No moving parts
- Smart electronics architecture
- High number of light sources
- No adjustment needed throughout the surgical procedure



Specifications:

HLED 500

- Diameter of lighthead (cm/inch) 58/22.8
- Illumination (lx) 110,000
- Field diameter* (cm/inch) 24/9.4
- Depth of volume of light L1+L2 (cm/inch) 120/47.24
- Colour rendering index (CRI) (Ra) > 95
- Colour temperature (K) 4,200
- Radiant energy (average) (mW/m²) < 4

Ambient light characteristics

- Illumination (lx) 50 to 300
- Illumination field (cm/inch) 100/39.4
- Illumination adjustment (%) 30-100
- Service life (hrs) > 40,000

HLED 700

- Diameter of lighthead (cm/inch) 74/29.1
- Illumination (lx) 130,000
- Field diameter* (cm/inch) 26/10.24

Installation Considerations:

HLED 500
Electrical and mechanical characteristics

- Power supply input voltage (V) 100-120/220-230
- Lighthead power consumption (W) 200
- Frequency (Hz) 50/60
- Ceiling mount

HLED 700

- Lighthead power consumption (W) 250

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Liquid Nitrogen Auto-fill System

Equipment Number
2039

Manufacturer ----- VWR ----- -----	Model Number ----- CryoPro AF-10 ----- -----
---	---

- Further Description:**
- Auto-Fill Convenience
 - Large Vial Capacities
 - Remote Alarm Contacts
 - Digital Temperature Display
 - Easy-to-Select Setting Options
 - Two-Year Limited Parts and Labor and Five-Year Limited Vacuum Warranty
 - Package systems include cryostorage unit, full inventory system (standard and mini storage racks, 100-cell and 25-cell boxes, and box dividers) 1.8m (6') stainless steel transfer hose, liquid level measuring stick, and a pair of large mid-arm cryo-gloves.
 - The units include alarms for high temperature, high and low liquid levels, and low LN2 supply.
 - The units are mounted on casters and feature built-in lid locks.



- Specification:**
- Static Holding Time: 33 days
 - Evaporation Rate: 5 L/day
 - Liquid Nitrogen Capacity: 165 L
 - Weight Empty: 111 kg (245 lbs.)
 - Weight Full: 243 kg (537 lbs.)
 - Internal Diameter: 53.3 cm (21")
 - External Dimensions: 58.7W x 77.5D x 111.8H cm (23 1/8 x 30 1/2 x 44")
 - Vial Capacity (2 mL): 10,400

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Locker

Equipment Number
1489.1

Manufacturer ----- Canadian Locker ----- -----	Model Number ----- Envoy ----- -----
---	---

Further Description:

Lockers come in Full, Half and Cube/purse sizes

Envoy

- High End All - Welded Employee Lockers
- Available in 1-6 tiers
- All-welded painted steel locker, welded hasp assembly.
- MATERIAL: Cold rolled steel; Bottom shelf galvanized
- Frame: 16 GA.
- Doors: 20 GA.
- Hasp: 11 GA.
- Hinge: 14 GA.
- Magnetic strip door closure. Full length handle grasp. Front louver ventilation.

Options

- 1 Tier Model: Hat shelf, coat hooks.
- 2 Tier: Coat Hooks
- Models: Sloping tops, 4" bases.
- 15 different colors

Tiers 1-6 frames

- Height of Frames 72"
- Width of Frames 12", 15", 18"
- Depth of Frames 15", 18", 21"
- Maximum Assembled Frames per Model
- 2 Frames: 15" Width
- 2 Frames: 18" Width
- 3 Frames: 12" Width



Installation Considerations:

- backing required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Mannequin, Computer Based

Equipment Number
2050

Manufacturer ----- STAT Simulators ----- -----	Model Number ----- PDA STAT Baby #401 ----- -----
---	--

Further Description:

PDA STAT Baby utilizes the proven PDA programming of the PDA STAT Man. It allows the instructor to subtly change the physiological features of the baby to further challenge the student's assessment skills, and to track the review for later. Scenarios can be set up utilizing the Manikin Data Editor (MDE) programming to standardize sessions. Other uses of the MDE include student list creation, session editing, record archiving, and printing of records.

- Six pulse points
- I/O legs
- Three IV sites
- PICC access site
- Advanced intubation head with tongue edema and laryngospasms
- Sternal retractions
- Pneumothorax reduction bilaterally
- Chest tube insertion
- 4-lead monitoring
- Defibrillation
- Rectal medication
- Urinary catheterization
- Fully enclosed crib with water proof surface
- Aneroid blood pressure cuff
- PDA and programming
- Heart sounds
- Lung sounds
- Voice sounds
- Spontaneous breathing



Specifications:

- 120V 250mA
- DEFIBRILLATOR ENERGY: Max. Energy Delivered Min. Time Between Discharges Max. No. of 360J Discharges 360 Joules 10 seconds 15 over a five minute period

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Spectrometer, Mass

Equipment Number
2006

Manufacturer

Waters

Model Number

TQD



- Specifications:**
- Automated system checks and simplified user interface for ease-of-use
 - Optimized MS/MS detection for demanding quantitative applications
 - Rapid data acquisition rates for the best in accuracy and reproducibility of chromatographic peak area measurement
 - Robust ZSpray™ atmospheric pressure ionization interface
 - Versatile range of ionization options
 - Industry-leading multimode capability in a single run
 - Automated instrument optimization and quantitative method development tools
 - Dedicated application managers for your specialized analytical requirements
 - TQ Detector: 85.5 kg (189 lbs)
 - Width 345 mm (13.75 in.)
 - Length 885 mm (35.0 in.)
 - Height 533 mm (21.0 in.)
 - Detector: 200 to 240 V, 50/60 Hz 13 to 16 A 700 W
 - Rotary Pump: 200 to 240 V, 60 Hz 10 A 1.8 kW
 - Data System: 100 to 120 V /220 to 240 V, 50/60 Hz 10 A 1.0 kW
 - Desired footprint: 2500 mm x 1500 mm

- Installation Consideration:**
- The site is free from known vibration.
 - The site is free from magnetic fields of greater than 10 Gauss
 - The RF field strength is less than 1 V/m
 - The Xevo TQ MS requires a supply of dry, oil-free nitrogen with a purity of at least 95%. The nitrogen must be regulated at 7 bar (100 psi) outlet pressure.
 - Note:** The use of nitrogen cylinders is not recommended. Due to high consumption
 - Temperature range is 19 to 22 °C (66 to 72 °F). Short-term (1.5 h) variations must be no more than ±2 °C (3.5 °F).
 - If copper tubing is used for the nitrogen line, the copper must be chemically cleaned; if stainless steel tubing is used, the stainless steel must be medical grade. no soldered or brazed joints in the line
 - High purity ≥99.997% argon gas regulated at 0.5 bar (7 psi) is required (through cylinder)
 - The bench must be able to support the combined weight of the mass spectrometer, data system and LC system
 - For service access, a minimum clearance of 600 mm (23.6 in.) is required for the front, back, and right side of the instrument; a temporary clearance of 1000 mm (39.5 in.) is required for the left side of the instrument.
 - The instrument is fitted with a 2.5 m (8 ft) power cable.
 - The rotary pumps or optional scroll pumps must be positioned on the floor
 - Ensure that there is sufficient space to the left of the mass spectrometer for the LC system
 - On pump start-up, currents of up to 36 A (200 to 240 V) or 50 A (115 to 120 V) may be drawn for several seconds
 - Air conditioning units must not be positioned directly above the mass spectrometer. To avoid adverse operation, do not locate the instrument in direct sunlight.
 - The rotary/scroll pump exhaust gases must be vented to the atmosphere outside the laboratory via a user-supplied fume hood or industrial vent. The exhaust may be connected to an existing laboratory vent carrying gases from other sources.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Mattresses, Patient Transfer

Equipment Number
19-019

Manufacturer

HoverTech

Model Number

HoverMatt

Further Description and Specifications:

Mattress

- Heat-sealed construction eliminates needle holes to remove potential bacterial entryways.
- Radiolucent and MRI compatible
- No weight limit
- Multiple styles and sizes
- Fast, portable air supply
- Widths: 71 cm; 86 cm; 99 cm; 27cm (28 in; 34 in; 39 in; 50 in)
- Length: 198 cm (78 in)

Pump

- Variable speed inflation with six airflow options
- Handle design combines handgrip and hanger
- A flexible rubber connection between the hangar and the body of the air supply
- The hose opening has a fluid prevention cover
- 110 Volt
- 800 and 1100 Watts
- 2.8 psi/78 cfm
- Inflation Rate: 5 seconds (800 watt motor)
- Deflation Rate: 12 seconds
- Cord: 14' 18/3 SJT Grey cord - 105° C; 13 amp
- 2 Micron Filter

Tubing

- Spring-wired helix covered with PVC
- Length: 167 cm (available in 25 foot length for use in MRI environment)
- Diameter: 3.8 cm
- Latex Free

System Accessories

- Storage Cart
 - Light weight; very portable
 - Two baskets to hold air supply and mattress
- Transfer Bridge
 - Lectrolite Covered Polypropylene
 - 16 in x 60 in



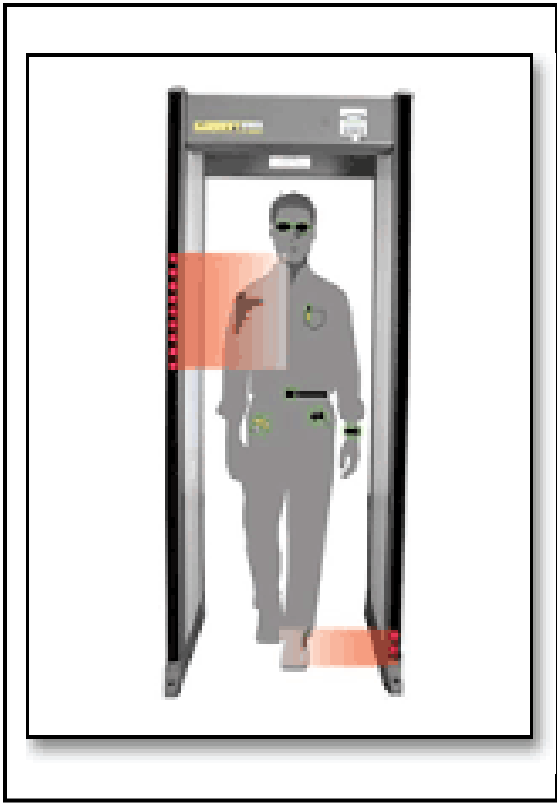
This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Metal Detector

Equipment Number 2022

Manufacturer ----- Garrett ----- -----	Model Number ----- PD 6500 i ----- -----
---	---

- Further Description:**
- Superior target detection with unmatched discrimination of harmless items such as coins, jewelry, keys, cigarette packs, etc.
 - Safety, throughput and reliability with preset programs to cover the most complete range of security applications including the new Transportation Security Administration's (TSA) Enhanced Metal Detector (EMD)
 - Multi-dimensional coil design (33 distinct pinpoint zones) provides superior detection and location of guns, knives and other flat and rod-shaped weapons regardless of orientation.
 - Circuitry with advanced Digital Signal Processor (DSP) technology locates even small, hard-to-find, floor level weapons.
 - Individual zone boost adjustments allow for customization of detection characteristics and/or compensation for metallic environmental challenges.
 - Durable, IP 55 weather-proof construction.



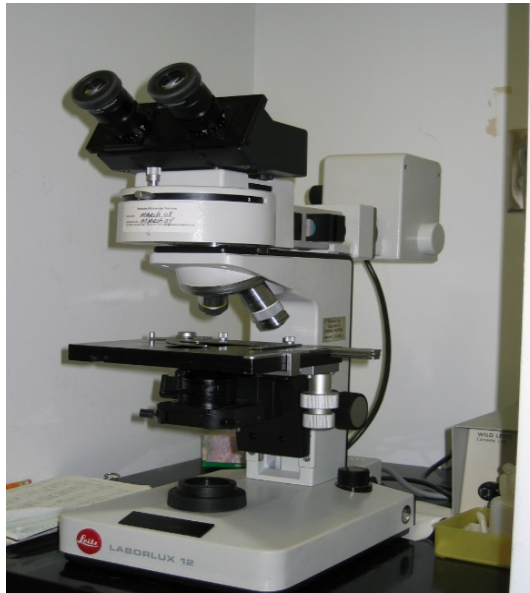
- Dimensions and building specification:**
- Passageway Interior: Width 30" (0.76 m), Height 80" (2 m), Depth 23" (0.58 m)
 - Overall Exterior: Width 35" (0.9 m), Height 87" (2.2 m), Depth 23" (0.58 m)
 - Shipping: Width 35.5" (0.9 m), Height 92" (2.3 m), Depth 6.5" (0.17 m)
 - Weight: 143 lbs (64 kg) Shipping Weight: 165 lbs (74 kg)
 - Operating Temperatures: -4°F (-20°C) to + 158°F (70°C); Humidity: To 95% noncondensing
 - Power: Fully automatic 100 to 240 VAC, 50 or 60 Hertz, 55 watts; no rewiring, switching or adjustments required. Power supply meets UL, CSA, TUV and VDE standards.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

January 21, 2011

Item Description Microscope, fluorescent	Equipment Number 1371
--	---------------------------------

Manufacturer ----- Nikon ----- -----	Model Number ----- Eclipse E400 ----- Plus adaptation for fluorescent microscope -----
---	---

<p>Further Description</p> <ul style="list-style-type: none"> • Microscope with Epi-fluorescence illuminator for reading fluorescent stains on sterile fluids, sputums, CSF's, etc <ul style="list-style-type: none"> ○ direct fluorescent antibody (DFA) testing/reading ○ Final specifications to be determined prior to purchase. • Objectives to may include: <ul style="list-style-type: none"> ○ Low power dry 10x – used without oil ○ High power dry 40x - used without oil • 50x Oil immersion • 100x Oil immersion 	
---	---

<p>Installation Considerations:</p> <ul style="list-style-type: none"> • Must be in enclosed room with dimmable lighting
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

April 2005

Item Description
Stretcher, Motorized/Bariatric

Equipment Number
1606.1

Manufacturer ----- Stryker ----- -----	Model Number ----- SM 304 ----- -----
---	--

Further description

- Thermoformed ABS base with extra capacity
- storage tray
- 700 lbs weight capacity
- 26" (66 cm) wide patient surface with
- 3" (8 cm) Enhanced Comfort Mattress
- Less than 21" low height
- Integrated utility tray
- Litter-mounted oxygen bottle holder
- Integrated transfer board
- Power-washable design (SM104 & SM204 only)
- Four-wheel, steel-ring brake system with
- dual-end activators
- Dual side-mounted foot control hydraulics
- with uni-lower pedal
- Glideaway™ siderails with integrated
- push/pull handles
- Four integrated IV receptacles
- Trend./reverse Trend.
- 8" (20 cm) Omni Surface™ casters with
- Integrated wheel covers
- Pneumatic backrest/stationary foot
- Constant descent hydraulics
- Dual-end brake & steer controls



Specification:

- Power-washable design with
- 700-pound weight capacity
- Litter-mounted oxygen bottle holder
- helps eliminate caregiver bending
- Glideaway™ siderails create a
- zero-transfer gap
- Optional integrated scale system
- provides accurate, repeatable weights
- (L x W x H) 84" x 33.5" x 34.5"
- Max Weight 317 Kg

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description
Stretcher, Standard

Equipment Number
1610

Manufacturer ----- Stryker ----- -----	Model Number ----- Renaissance 1710 ----- -----
---	--

- Further Description:**
- Thermoformed ABS base with integrated storage tray and oxygen bottle holder
 - +/- Trendelenburg (hands free)
 - Dual side-mounted foot control hydraulics
 - 8" casters
 - 4-wheel ring brake system with dual end activators
 - 24" wide patient surface with 3" mattress
 - Steel manual fowler/stationary foot end litter
 - Locking caster steering
 - Fold down siderails (foot to foot)
 - 4 IV receptacles
 - Rubber bumpers

- Specifications:**
- Height: 24-35.5" (62-90 cm)
 - Width: 30" (76 cm)
 - Length: 83" (211 cm)





This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description Stretcher, Trauma	Equipment Number 1614
--	---------------------------------

Manufacturer ----- Stryker ----- Hill-Rom -----	Model Number ----- 1020 ----- Trauma -----
--	---

<p>Further Description:</p> <p><u>Stryker</u></p> <ul style="list-style-type: none"> • Full length Xray capability • Base with integrated storage tray and oxygen bottle holder • Full length, low friction sliding Xray cassette tray w/pull out drawer • +/- Trendelenburg • Dual side-mounted foot control hydraulics • 8" casters • 4-wheel ring brakes with dual end activators • 26" wide patient surface w/3" mattress • Pneumatic fowler/steel stationary foot litter • Locking caster steering • Fold to head Siderails • IV receptacles • Rubber bumpers • Weight capacity to 500 lbs • Height: 25.5 – 39" (65-99 cm) • Width: 31.5" (80 cm) • Length: 83" (211 cm) <p><u>Hill-Rom</u></p> <ul style="list-style-type: none"> • Technical Data • Maximum weight limit: 700 lbs. (317.5 kg) • Low position -- floor to top of surface: 24.5" (61.6 cm), • with scale 24" (61 cm) • High position -- floor to top of surface:37.8" (95.9 cm) • with scale 37.5" (95.3 cm) • Overall length: 83" (210.8 cm) • Overall width (side-rails up): 32" (81.3 cm) • Overall width (side-rails stored):26.5" (67.3 cm) • Side-rail length: 47" (119.4 cm) • Side-rail height above mattress/surface: 14" (36.8 cm) • Mattress size: 26" (66 cm) x 75" (190.5 cm) • Maximum head elevation: 90° • Maximum Trend/Reverse Trend: 18° • Floor to base clearance: 3.5" (8.9 cm) • Caster size: 8" (20.3 cm) 	<div data-bbox="1193 667 1336 716" style="border: 1px solid black; padding: 2px; display: inline-block;">Stryker</div>   <div data-bbox="860 1743 1026 1791" style="border: 1px solid black; padding: 2px; display: inline-block;">Hill Rom</div>
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This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

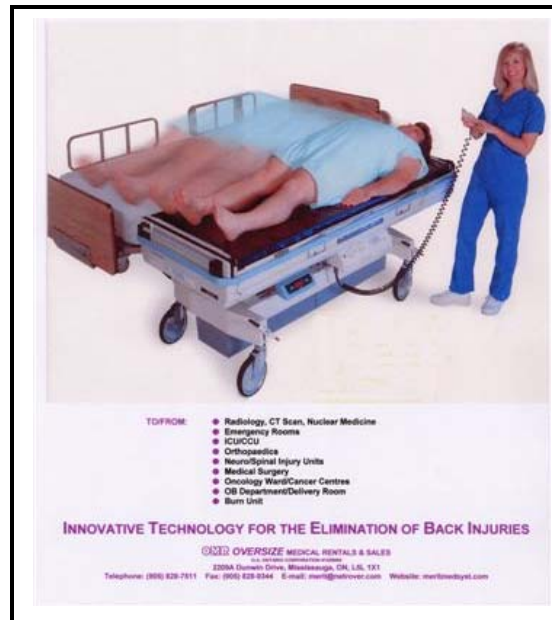
August 2009

Item Description
Stretcher, Mobilizer

Equipment Number
1383

Manufacturer ----- Sa.Vir ----- -----	Model Number ----- AT2000 ----- -----
--	--

- Further Description:**
- operable while plugged in with no damage to batteries or charger
 - solid state electronics
 - control panel indicating or having:
 - battery status
 - automatic shut off
 - warning lights indicating items left on base and belts left extended
 - 4 wheel braking/swivel lock system
 - 9" high siderails
 - 8" diameter wheels
 - dual pedestal lift system
 - linear actuator for height adjustment
 - storage compartment of charge cord
 - 2 O² bottle holders
 - weight capacity: 450 lbs



- Specifications:**
- height including adjustment: 635mm – 1015mm
 - length: 2060mm
 - width: 760mm
 - weight: 410 lbs
 - battery: 24 volt DC, gel type storage battery
 - castors: 200mm high mobility, central lock (3 brake, 1 steer)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2005

Item Description Suction, portable	Equipment Number 1743
--	---------------------------------

Manufacturer ----- Laerdal ----- -----	Model Number ----- LSU (Laerdal Suction Unit) ----- -----
---	--

Further Description:

- Withstands rough treatment and handling when used in EMS environment
- Rubber base protects the LSU when dropped and helps keep the unit stable during transport
- The LSU's high IPX rating means it is designed to resist penetrating water and rough weather
- Collection canister is cradled within the LSU and securely held in place with a protective ring
- Quickly and easily checks that the LSU is ready for use with a one-touch test button
- Tests four critical functions:
 - 1. Tubing Occlusions
 - 2. Speed to maximum vacuum
 - 3. Maximum vacuum achieved
 - 4. Leakage
- Bright colored LED lights allow users to easily see vacuum level performance
- Important indicators such as battery status, power source, and failure mode can be checked in a glance
- Operate the LSU from its internal battery, or from AC or DC mains (Battery, and AC/DC cables included)
- Charge the battery from AC or DC mains
- Charge or operate the unit from optional AC or DC Wall Brackets
- No external charger is needed
- Internal battery can be quickly and easily replaced without the need for tools
- Operating knob incorporates 5 commonly used vacuum settings allowing the user to immediately select and initiate suction levels appropriate to the patient or situation
- Oropharyngeal and Tracheal vacuum levels are clearly identified on the Control Panel
- Suction tubing is conveniently stored with the unit by means of a strap
- The LSU offers users the ability to obtain vacuum levels of 80 to 500+ mmHg, and also draws 30 LPM of free air flow at the 500+ setting



Specifications:

- High vacuum/high flow.
- Not suitable for use in the presence of flammable liquids or gases.
- Protected against solid foreign objects of 2,5 mm Ø and greater.
- Protected against splashing water
- Protected against access with a wire.
- Size: 315 mm (12,4 in) x 330 mm (13 in) x 160 mm (6,3 in), (h x w x d)
- Weight: 4kg (8.9 lbs) (including battery).
- Canister Capacity: 1200 ml.
- Patient Suction Tubing (non-sterile): 0.25 in. (6.5 mm) inside diameter x 72 in. (1.8 m) length.
- Vacuum - Max.: > 500 mmHg (67 kPa).
- Vacuum - Range: 80 - 500+ mmHg (11 - 67 kPa).

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

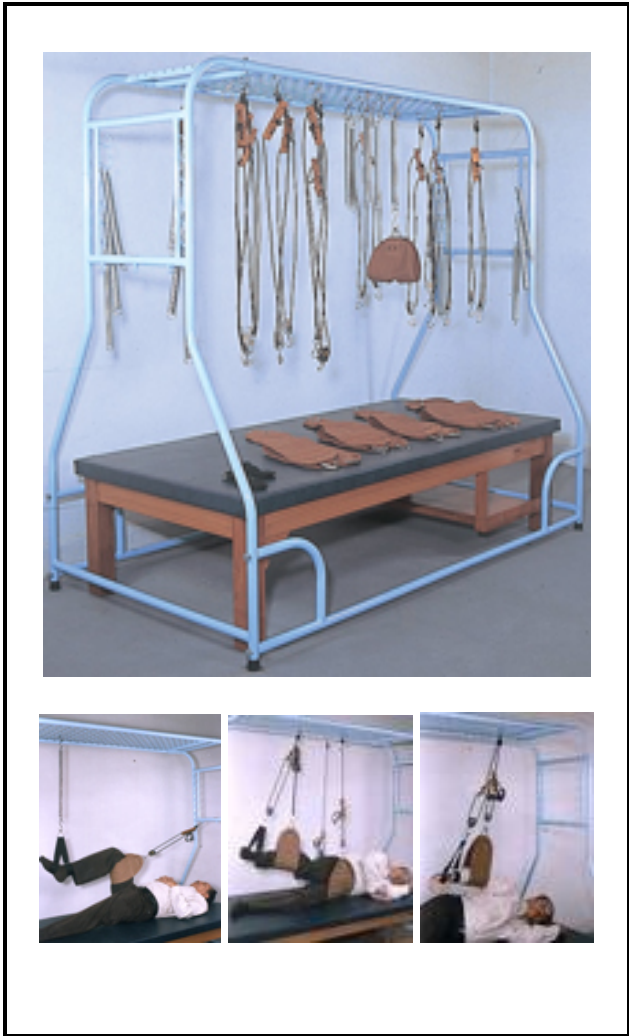
Item Description
Suspension Frame, Portable

Equipment Number
2054

Manufacturer ----- IMICO ----- -----	Model Number ----- Suspension Frame ----- -----
---	--

Further Description:

- Steel Construction
- 210x110 Cm bed Frame cover
- Grid frame 190x50 Cm
- 12 Hooks





This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Sweat collector	Equipment Number 2016
--	---------------------------------

Manufacturer ----- Wescor ----- -----	Model Number ----- Macroduct 3700 SYS ----- -----
--	--

<p>Further Description</p> <ul style="list-style-type: none"> The Macroduct system consists of the Webster Sweat Inducer, the Macroduct Sweat Collector and the Sweat-Chek Analyzer. Together they have revolutionized the sweat test for cystic fibrosis, and have brought the hope of early intervention against this scourge to thousands of CF patients around the world. 	 
--	---

<p>Specifications:</p> <ul style="list-style-type: none"> Iontophoresis Current: Profiled ramp up and ramp down, equivalent to 1.5 mA for 5 minutes (1.5 mA maximum). Current Control: Fail-safe circuitry controlled rate-of-change, circuit fault interrupt and alarm. Iontophoresis Electrodes: Stainless steel, recessed and color-coded. Power Supply: 2 standard 9-volt batteries (ANSI c18.1m-1992). Size and Weight: 9.2 cm x 4.5 cm x 15.5 cm; 0.4 kg.
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Ophthalmoscope, Indirect

Equipment Number
2027

Manufacturer ----- HEINE ----- -----	Model ----- OMEGA 200 ----- -----
---	--

- Further Description:
- Integrated teaching mirrors left and right
 - Synchronized adjustment of illumination and observation beams
 - Separate fine-tuning of the illumination beam $\pm 4^\circ$
 - Quick-action hinged optics
 - Light weight
 - Multi-coated precision optics
 - Complete range of accessories
 - Synchronized adjustment of illumination and observation beams
 - Instant adjustment allows for stereoscopic examination through pupils as small as 1.2mm in diameter
 - Aluminium chassis



- Specifications:
- Bulb type: XHL 6v bulb

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Oto-Ophthalmoscope

Equipment Number 1215.1

Manufacturer ----- Welch Allyn ----- -----	Model Number ----- ----- -----
---	---

Further Description:

Power Handles, Sources and Wall Units

- Handle-based rheostats for quick light intensity adjustments.
- Modular design provides the ability to add a third handle or SureTemp® thermometer.
- OptiSense™ sensor automatically turns handles on and off when removed and replaced from cradle.

Universal Charger and Desk Sets

- Compact, portable unit provides convenient drop-in recharging of desk/well-charger instrument handles.

3.5 V Diagnostic Oscopes

- Halogen HPX™ illumination and fiber optics to the distal tip for easy examinations.
- Halogen HPX™ lamp provides light output for true tissue color and long-lasting performance
- Fiber optics project cool light to the distal tip with no reflections or obstructions for superior views of the tympanic membrane
- Wide-angle viewing lens allows for instrumentation under magnification
- Sealed system for pneumatic otoscopy and accurate diagnosis of otitis media

3.5 V Standard Ophthalmoscope

- Uses halogen light for true tissue color and consistent, long-lasting illumination. Versatile and reliable at an economical price.
- Halogen light for true tissue color and consistent, long-lasting illumination
- 6 apertures for generalist use: micro, small, and large spot sizes, fixation target, slit aperture, and red-free filter
- 28 focusing lenses with a range of -25 to +40 diopters
- Rubber brow rest prevents scratching of eyeglasses
- Battery operated or regular 120V hospital grade plugs
- Possible wall mount
- Possible five star, 50 cm diameter stand



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October 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description Oximeter

Equipment Number 1412

Manufacturer ----- Nonin Medical Inc. ----- -----	Model Number ----- PalmSAT 2500A ----- -----
--	---

- Further Description:
- Large LED display
 - Parameters displayed: SpO2, pulse rate, pulse quality, low battery
 - SpO2 range, %: 0-100
 - Visual alarm for pulse quality, low battery, sensory fault
 - Self-test mode
 - Disposable or reusable probes
 - Various cable lengths: 0.3, 0.9, 2.8 m
 - RS232 external output, nVision compatible
 - 72 hours data storage
 - Weight: 0.21-0.23 lb
 - Battery type: Four AA alkaline, Ni-MH
 - Battery life, hr: 100 (AA), 45 (Ni-MH)
 - Line voltage: 110 VAC



<p>Performance Specification</p> <p><u>Power Options:</u></p> <ul style="list-style-type: none"> • 2500A: Four 1.5 V AA size alkaline batteries (60 hours typical operation) • NiMH rechargeable battery pack (40 hours typical operation) • AC power (charging stand) <p><u>Weight</u></p> <ul style="list-style-type: none"> • 7.4 oz (210 g) with alkaline batteries • 8.1 oz (230 g) with NiMH batteries • 2500A: 7.5 oz (213 g) with alkaline batteries • 8.2 oz (233 g) with NiMH batteries • Dimensions 1.3 x 2.8 x 5.4 in. (3.2 x 7.0 x 13.8 cm)
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Rev Oct 2009

Item Description
Pacemaker, Temporary

Equipment Number
2033

Manufacturer ----- Medtronic ----- -----	Model Number ----- 5388 ----- -----
---	--

- Further Description:**
- Three-Dial Operation
 - Simply adjusting the top three dials provides effective pacing in most clinical situations.
 - Changing the pacing rate automatically adjusts other dual-chamber temporary pacing parameters.
 - More Therapy Options
 - Pediatric patients may need a pacing rate up to 200 ppm.
 - A patient's high stimulation threshold may require a ventricular output of 25 mA.
 - For managing atrial tachyarrhythmias, a rapid atrial pacing rate up to 800 ppm is possible.
 - Safe and Reliable
 - The patient cable system uses protected electrical connections to increase patient safety.
 - The Model 5388 incorporates the quality and durability you expect from Medtronic temporary pacemakers.



- Specifications:**
- Dimensions 21.1 x 8.1 x 3.6 cm
 - Battery life Alkaline: 9 days at 70 ppm and nominal settings
 - Lithium: 16 days at 70 ppm and nominal settings
 - Weight 510 gm (18 oz.) with battery
 - Modes DDD, DDI, DVI, DOO, VVI, VOO, AAI, AOO
 - Battery Type Standard 9 V, Alkaline, or Lithium

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

<p>Item Description PACS Diagnostic & Clinical Workstation</p>	<p>Equipment Number 1415</p>
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<p>Manufacturer ----- GE Medical Systems ----- -----</p>	<p>Model ----- Centricity PACS ----- -----</p>
---	---

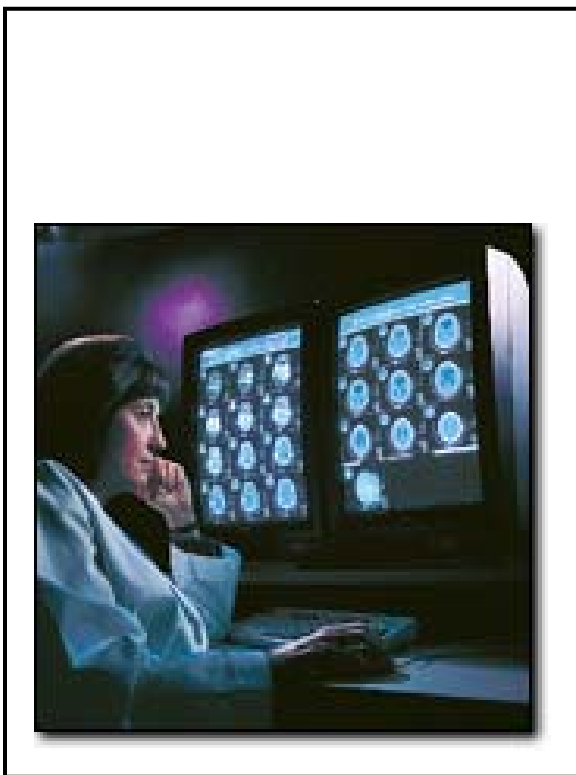
Further Description:

Diagnostic Workstation

- 2x3MP Cor Gr Bar xw6600
- Centricity PACS Workstation – 3rd Display, NEC 2090UXi 20" monitor
- Upgrade CPU, xw6600 additional dual core
- Upgrade 2Gb memory
- Centricity PACS Version 3.0 Diagnostic software

Clinical ER Workstation

- 2x3MP Cor Gr Bar xw6600
- GE IT Professional Services – Installation
- Centricity PACS Version 3.0 Clinical software



Specifications:

- This PACS System covers all related system infrastructure to use a diagnostic or Clinical workstation

Installation Considerations:

- Data
- Essential power
- Mounting or Millwork

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
PACS Workstation Viewing License

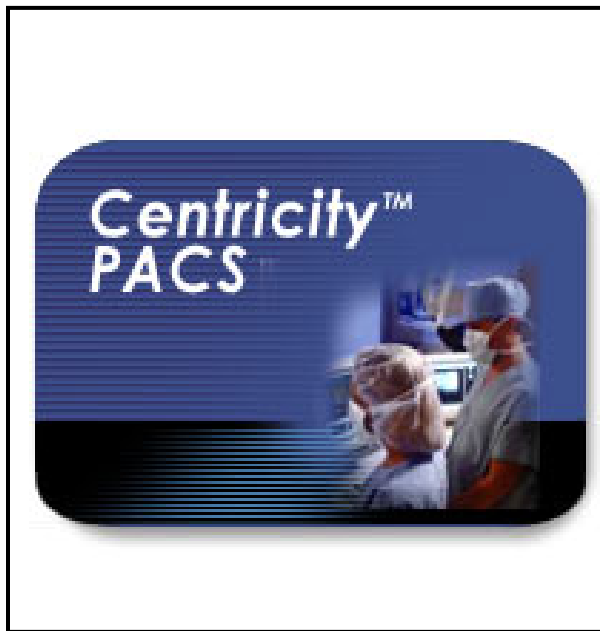
Equipment Number
1912

Manufacturer ----- GE ----- -----	Model Number ----- Centricity™ PACS ----- -----
--	--

Further Description:

Picture Archiving Computer Software

- A licensed software to be installed on Fraser Health computers (indicated on Cat C. equipment list)
- No impact on the physical building design
- Improve flow of Diagnostic Imaging information across the enterprise
- Optimize Medical Imaging data storage and archiving
- Two type of license Available from GE:
 - Web License for general users
 - Tech License for use by technologist at modality site
- Centricity PACS Version 3.0 Tech Software
- Centricity PACS Version 3.0 – 1 Concurrent user License for PACS – includes Hi Res & Multi Monitor Capability



Installation Considerations:

- Data
- Essential power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Patient Lift, Ceiling Rail System

Equipment Number
8576

Manufacturer	Model
----- Waverley Glen -----	----- C 450 (max: 450 lb) ----- C 600 (max: 625 lb) ----- TA+ 800 (max: 800 lb) -----

Further Description:

TA+ 800

- Standard:
- Hand control hook.
- The charger
- Carry bar
- Charger end stop

C-450 and C-625

- Display with diagnostics and programming
- Emergency stop
- Power emergency lowering
- Manual emergency raising and lowering
- Pneumatic hand control, curly cord, and hook
- The charger
- Charger end stop



Specifications:

TA+ 800 (Biggest Model)

- **Lift Motor:** 24 VDC (all models)
- **Traverse motor:** 24 VDC (optional at time of purchase)
- **XY Traverse motors:** 24 VDC (optional at time of purchase)
- **Transcord System:** (optional at time of purchase)
- **Charger input:** 120 VAC, 1.0 Amps
- **Charger Output:** 24 VDC, 1.5 Amps
- **Batteries:** 24 VDC (12 x 12 VDC) 7.0 AH
- **Lift Case:** Flame retardant ABS
- **Hand Control:** Pneumatic
- **Lifting Height:** Up to 91" (2300 mm)
- **Hoist Weight:** 43 lbs (19.5 kg)
- **Maximum load:** 800 lbs (364 kg)

C 625

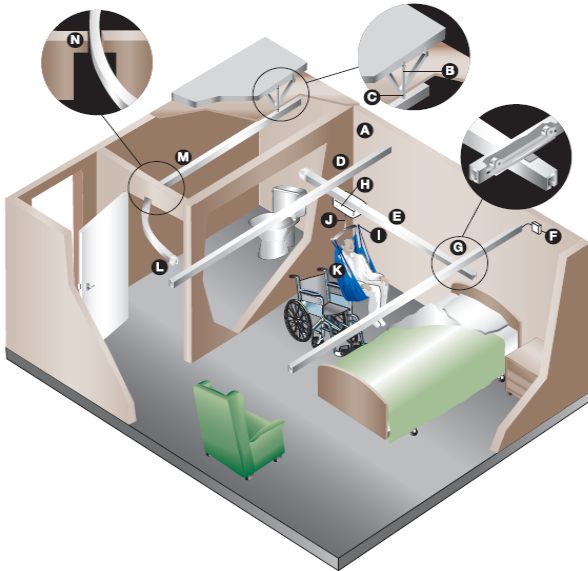
- Maximum Load: 600 lbs (283 kg)

Installation Considerations:

- A hoist motor capable of lifting a minimum of 450 lbs is the minimum for each room. There should be at least 30% coverage of 625lbs motors per unit and at least 1 hoist capable of lifting between 800 -1000 lbs in assigned bariatric rooms
- All safety and working standards should be considered; including, but not limited to Worksafe BC requirements and CSA standards
- 3 Dimensional X-Y gantry ceiling mounted lift system
- Maximum possible 3D coverage should be considered for rooms
- Minimum coverage is at least: 36" of coverage from edges of bed (both sides) to lateral transfer zone. In-bed positioning of the patient; point to point transfer to chair, stretcher and toilet. (for in-toilet access more constructional details are require including door angles and additional rail)
- Minimum capacity of rails 1000 lbs
- Requires electrical outlet at ceiling
- Rail installation is project Co. responsibility

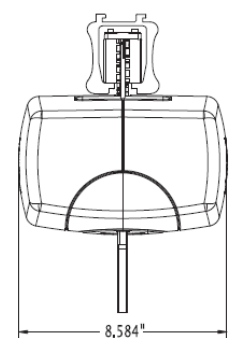
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June 2009

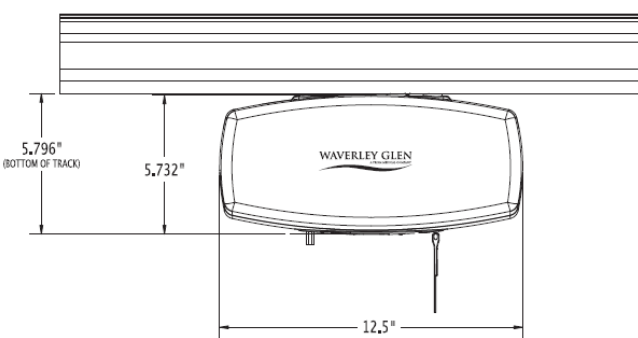


- A. Structural Attachment Point
- B. THREADED Rod
- C. Ceiling Bracket
- D. Ceiling Track
- E. Traverse Boom (Track)
- F. Charging Station
- G. X-Y gantry
- H. Ceiling Lift unit
- I. Carry Bar
- J. lift Strap
- K. Sling
- L. GATE ASSEMBLY
- M. Linear track
- N. Modified Door Header

C SERIES



8,584"

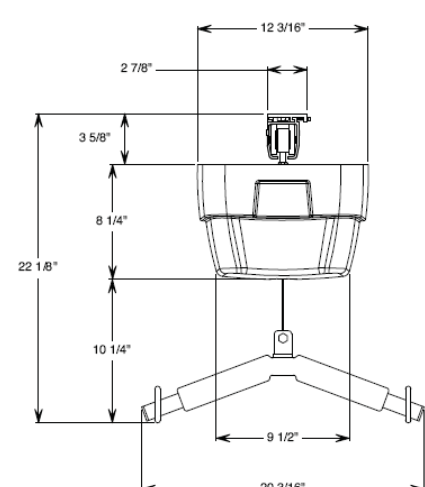


5,796"
(BOTTOM OF TRACK)

5,732"

12,5"

TA 800



12 3/16"

2 7/8"

3 5/8"

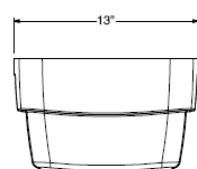
8 1/4"

10 1/4"

9 1/2"

20 3/16"

22 1/8"



13"

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Patient Lift, Portable Bariatric

Equipment Number
1343

Manufacturer ----- Arjo ----- Arjo ----- Liko	Model Number ----- MAXI MOVE ----- Tenor (bariatric mobile lift) ----- Viking
--	--

Further Description:

Arjo

- Battery-operated height-adjustable sling lift.
- Safe working load: 500 lb (228 kg)
- SVS (stable Vertical System) which
- Seven sizes: XS to XXL and colour-coded for ease of use.
- A Service Indicator measured in hours gives accurate actuator usage, indicating service requirements
- integrated scale unit

Liko

- Strong and easy to maneuver
- Viking L is incredibly easy to maneuver in relation to its strength. With a lifting capacity of 550 lbs. (250 kg), Viking L is ideal for all the most common lifting needs as well as for heavier patients.



Specifications:

Arjo (MAXI MOVE)

- Safe working load (with std JiB) 228 kg 500 lbs
- Safe working load (with strecher frame) 160 kg 350 lbs
- Lifting stroke 1330 mm 52 3/8"
- External width legs closed: 652 mm 25 5/8"
- Internal width legs open: 1180 mm 46 1/2"
- Height of chassis 115 mm 4 1/2"
- Battery type Rechargeable-sealed lead acid
- Battery capacity 5Ah
- Protection Class (lifter) IPX4
- Protection Class (hand set) IPX7

Liko

- Viking M 205 kg (450 lbs.)
- Viking L 250 kg (550 lbs.)
- Viking XL 300 kg (660 lbs.)

Installation consideration:

Arjo

- Door passage should be checked (min 652 mm for MAXI MOVE and 1300 mm for Tenor)
- Minimum turning hallway width in combination with room's door width should be checked

Liko

- Viking L: weight 40 Kg
- Min turning diameter: 1420 mm
- Height Min 450 mm Max 2000 mm
- Width 660-960 mm

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Phone and Data, Satellite
--

Equipment Number 2058

Manufacturer ----- HUGHES ----- Motorola -----	Model Number ----- HNS 9201 ----- Iridium 9555 Satellite Phone -----
---	---

Further Description:

- Remote access – high-speed access to your corporate network
- Internet – access the internet at speeds up to 492kbps.
- Email – send and receive email via the internet or email applications.
- Telephony – make phone calls via a peripheral handset at the same time as accessing data applications.
- Streaming – select guaranteed data rates on demand to suit your application.
- Choose **BGAN** X-Stream™ for speeds in excess of 384kbps for live video broadcasting. Also supports ISDN at 64kbps.
- File transfer Store and forward – save and send files eg. Video.

Voice capabilities

- Voice 4kbps 3.1kHz audio
- Supplementary Voicemail services
- Call forwarding
- Call barring
- Call waiting
- Call holding

Cabling USB

- Ethernet, ISDN (all 3m)

Option: Fixed mount kit Fixed installation kit includes

- terminal pole mounting kit
- 30m DC extension cable to be used with standard AC/DC adaptor
- Two 30m Ethernet/ISDN cables
- lightning protection strap



Specifications:

- Weight 2.8kgs (6.2lbs)
- Dimensions Length: 345mm (13.6") Width: 275mm (10.8") Depth: 50mm (2.0")
- Power supply AC or DC: External power 20 Volts DC, 110 – 240 Volts AC
- Battery type Lithium-ion. Rechargeable Input voltage 11.1 Volts DC

Building Consideration:

- May require antenna to be hard wired to the exterior of the building (depending on location)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Monitor, Physiological

Equipment Number
1390

Manufacturer ----- GE ----- -----	Model Number ----- Dash Series ----- -----
--	---

- Further Description:**
- Provides bedside and transport capabilities
 - Display
 - Active matrix color LCD
 - Screen size: 8.4", 10.4", or 12.1"
 - Resolution: 640 x 480 (Dash 3/4000), 800 x 600 (Dash 5000)
 - Measured parameters
 - Invasive blood pressure
 - ECG: 3, 5, 10-lead
 - Respiration
 - Temperature
 - Cardiac Output
 - Pulse Oximetry
 - NIBP
 - CO₂
 - Thermal dot array paper recorder
 - Wireless LAN: 2.4-2.5 GHz, IEEE 802.11
 - Compatible with CIC pro central station (8006) and Apex Pro telemetry (1649)



- Specifications:**
- Power requirements: 90-132 Vac, 50/60 Hz, 2.0 A or 190-264 Vac, 50/60 Hz, 1.0 A
 - Power consumption: 75 W
 - System Dimensions and weight
 - Dash 3000: 26 (H) x 20 (D) x 28 (W) cm [5.2 kg]
 - Dash 4000: 27.3 (H) x 24.3 (D) x 29.3 (W) cm [5.5 kg]
 - Dash 5000: 28.7 (H) x 23.9 (D) x 30.7 (W) cm, [6.4 kg]
 - Battery: Lithium ion, 4-5 hour run time, 11.1 V

- Installation consideration:**
- Power and network cabling should be run to patient bed and central station in order to connect the system to the Hospital network and database server
 - System to have emergency backup power
 - Proximity of comm. closet should be considered
 - Backing required for Wall mount
 - Wireless considerations
 - possible requirement for wireless infrastructure

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Pipettors, Electronic

Equipment Number
2038

Manufacturer ----- Eppendorf ----- -----	Model Number ----- 0.5-10 uL, 5-100 uL ----- 20-300 uL, 50-1000 uL -----
---	---

Further Description:

- Eppendorf Research Pro Single-Channel Electronic Pipettors, Variable Volume
- Motorized piston
- Angled LCD display
- Adjustable hand hook, tip ejection lever
- 2 operational modes, 5 secondary settings
- Memory stores 5 programs
- Autoclavable
- With charging unit



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Plaster Trap

Equipment Number
2041

Manufacturer ----- Nevin ----- -----	Model Number ----- 521 ----- -----
---	---

Further Description:

- Large size: 19" wide x 17" deep x 15" high. Requires less frequent cleaning. Saves time
- No tools required for service. Quick disconnect separates tank from sewer line
- Translucent tank provides easy inspection of sludge level
- Tank constructed of heavy-gauge polyethylene; lid constructed of PVC



Performance Specification:

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

November 2009

Item Description
Pole, IV, Mobile

Equipment Number
1429

Manufacturer

Pryor Products

Model Number

Patient Pal I.V. Stand 115

- Further Description:
- 6-leg
 - 22" diameter, low-center-of-gravity steel base with epoxy finish
 - 3" premium rubber casters with ball bearings (10 yr. warranty)
 - Welded steel base pole with epoxy finish
 - Slow-descending stainless telescoping top pole
 - 4 hook top
 - Patient support wheel and utility tray

- Specifications:
- 99" fully extended; 68½" compressed
 - Shipping box is 23" x 20" x 35"; shipping weight is 35 lbs.
 - Floor footprint 23" (diameter)



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Pole, IV, Stackable

Equipment Number
1429.1

Manufacturer

Maxtec

Model Number

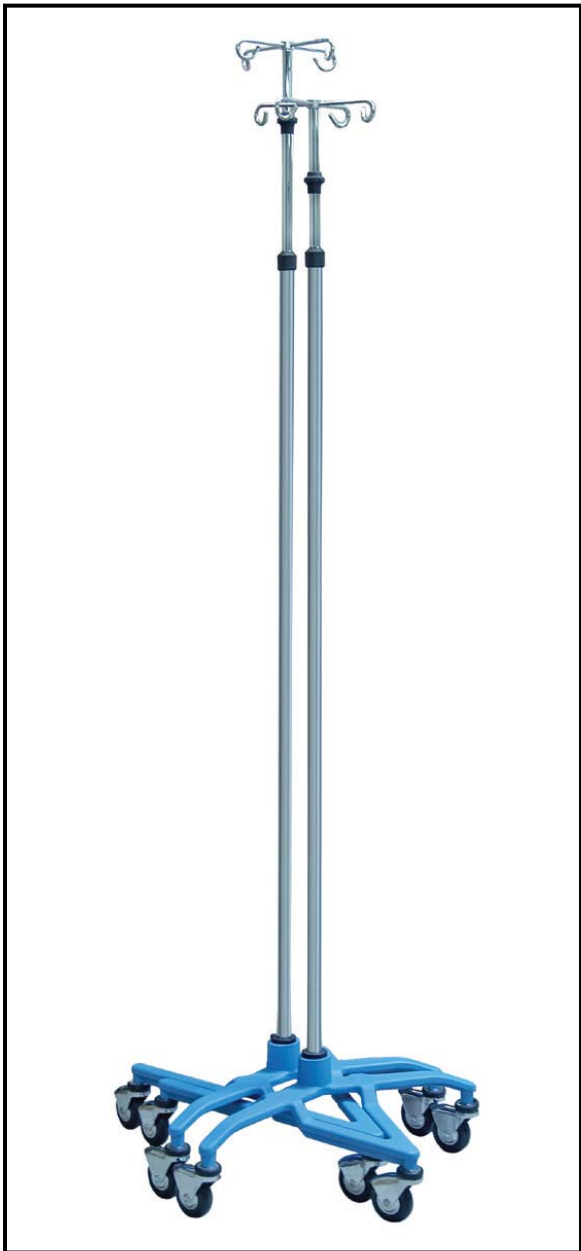
SmartStack Premium I.V. Stand

- Further Description:
- Ram-Horn Hooks: 4 fixed
 - Includes 4 fixed Ram-horn hooks
 - One-handed height adjustment
 - Restrictions: Not MRI Compatible
 - Pole Material: Chrome plated steel
 - Base Material: Powder coated aluminum
 - 48 month warranty

- Specifications:
- Collapsed Height: 65" (fully collapsed from floor to top of hook assembly)
 - Extended Height: 88" (fully extended from floor to top of hook assembly)
 - Casters: Neoprene Tread, Chrome Steel, 3" QTY: 5, 2 Locking, 3 Non-Locking
 - Weight Capacity: 100lbs Total, 50lbs on Top Portion, 11lb Maximum One Hook
 - Wheel Base Diameter: 22"
 - Nesting Base: 4" (center to center)
 - Weight: 14lbs
 - Shipping Weight: Base: 83lbs, Poles: 28lbs (six units)
 - Pole Diameter: 25mm (bottom portion) 18mm (upper portion)

Supporting Documents:

Product: ; Literature [1](#) [2](#)



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Pump, Automated Dispensing

Equipment Number
2035

Manufacturer ----- Excelsior ----- -----	Model Number ----- PharmAssist SP-1000 ----- -----
---	---

- Further Description:
- Automated filling of syringes and other containers
 - Simple programming features
 - Over 50 preset drug labels stored in memory
 - Enhances pharmacy production and efficiency
 - +/- 1% accuracy
 - Simple calibration procedure
 - One pump chamber set for full range (0.5ml to 9999ml)
 - Unique functions (ie. source container, syringe label library, pump dilute to reduce pressure buildup, forward/reverse, etc.)
 - Foot pedal included
 - Backlit display and color coded keypad
 - Vertical placement of roller head to avoid spill damage
 - Lightweight, reliable, maintenance free



- Specifications:
- Electrical Requirements 120 VAC/60HZ
 - Weight 16 lbs (approximate)
 - Operating Temperature 45 F- 85 F

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Pump, breast

Equipment Number
1450

Manufacturer ----- AMEDA/EGNELL ----- -----	Model Number ----- Elite ----- -----
--	---

- Further Description
- Piston pump
 - Overflow shutoff
 - 4 oz collection bottles
 - Universal thread adapts to any size bottle
 - Sterilizable breast funnel
 - No outside air should enter milk supply
 - Mobile stand and carrying case required
 - Power, VAC – 110/120
 - Suction rhythm & strength to be user adjustable



- Performance Specification
- Vacuum cycle rate: 30-60 cycles/minute
 - Pump vacuum: 0-250 mmHg

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Pump, Feeding

Equipment Number
1457

Manufacturer ----- Nestle Nutrition ----- -----	Model Number ----- Compat (Enteral Feeding Pump) ----- -----
--	---

- Further Description:
- Infusion Rate: 1-295 mL/hr in 1 mL increments
 - Flow Rate Accuracy: +/- 10% of selected flow rate
 - Dose Limit: Dose adjustable (5 mL increments) from 0-9995 mL.
 - Automatically stops after predetermined volume is delivered.
 - Three alarm options to signal dose complete.
 - Audio/Visual Alarms: Occlusion/empty container, battery on, low battery, rate change, dose complete, and free flow
 - Memory: Lifetime retention of infusion rate, dose limit, volume delivered and accumulated volume, even after unit is turned off
 - Battery: 8 hours at 100 mL/hour; rechargeable while pump is operating



- Specifications:
- 110 VAC
 - Rechargeable 12V Battery
 - Pole mountable

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description Pump, infusion [Infusion Pumps, Multichannel]	Equipment Number 1455 [17-634]
---	---

Manufacturer ----- Baxter ----- CareFusion [CardinalHealth] -----	Model Number ----- Colleague 3CX ----- Alaris -----
--	--

Further Description:

Baxter

- Three independent channels
- Label Library with approx. 64 drug labels and applications, Volume History
- Dose Calculations (approx 10 formulas)
- Auto lock/Panel Lock to lock out unauthorized IV set removal or programming
- Auto tube loading

Alaris

- up to 4 modules attached to the central CPU included:
 - Infusion Pump
 - Syringe Pump (not suitable for neonatal feeding)
 - Pain management pump
 - Data Scanner
 - SpO2
- Can be connected through wireless network for
 - Clinical information system
 - Clinical information system
 - Electronic medication management
 - Clinical documentation system
 - Data repository
- Auto lock/Panel Lock to lock out unauthorized IV set removal or programming
- Guardrail software system to minimize does error





The diagram illustrates the network architecture for the infusion pumps. It shows a Hospital Firewall connecting to the Internet and the ALARIS Systems Manager. The ALARIS Systems Manager is connected to the Hospital Domain via a Wireless VLAN. The Hospital Domain contains the ALARIS Systems Manager and Guardrails application workstations. The Wireless VLAN is used for Guardrails data set upload and CQI download. The Network is connected to the Hospital Domain and provides DHCP or static IP, DNS/WINS, and NTP services. The Network also provides a connection to the ALARIS Systems Manager via TCP PORT 443 (HTTPS) and 1433 (MS SQL).

Installation Considerations:

- Essential Power
- Wireless Considerations
- Wireless Network (for Alaris) [Requires: Server and Network configuration]

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Specifications:

SUPPLIER	BAXTER	CARDINAL HEALTH
MODEL	Colleague CXE 3	ALARIS System<1>
NUMBER OF CHANNELS	3	Up to 4 (Modular) [Including Infusion Pump, Syringe pump, Pain management Pump, Nurse call, SpO2 and information scanner modules]
FLOW RANGE, mL/hr	0.1-99.9 (0.1 mL/hr increments), 1-1,200 (1 mL/hr increments)	0.1-999
KVO RATE, mL/hr	0.1-5 (0.1 mL increments)	0.1-20 (0.1 mL increments)
ACCURACY, %	5	5.5 @ ≤1, 5 @ >1-999.9
DRUG/DOSE CALCULATE	Yes	Yes
VTBI SELECTOR, mL	0.1-99.9 (0.1 mL/hr increments), 1-9,999 (1 mL/hr increments)	0.1-9.99/0.01 increments, 10-999.9/0.1 increments, 1,000-9,999/1.0 increments
TOTAL VOLUME INFUSED DISPLAY, mL	1-9,999	0.1-9,999
AUTOMATIC PIGGYBACKING	0.1-99.9 (0.1 mL/hr increments), 1-500 mL/h (1 mL/hr increments)	Yes
PUMP MECHANISM	Shuttle	Linear, dual stage, positive displacement, flow compensated
MAX UNITS PER POLE	Not specified	2 programming modules and 8 pump modules
IV SET		
Set type	Baxter	Gemini, Medley, Alaris IV
Free-flow protection	Yes	Yes
Air-trapping capability, volume	Not specified	NA
Needleless IV connection	Yes	Yes
FRONT-PANEL LOCKOUT	Yes	Yes
ALARMS & INDICATORS		
Occlusion upstream	Yes	Yes
Occlusion downstream	Yes	Yes
Detection mechanism	Not specified	Selectable
Pressure, psi	Selectable, 3 levels of sensitivity	0.5-10.2
Real-time display	Not specified	Yes
Infusion complete	Yes	Yes
Air in line	Yes	Yes
Empty fluid container	No	No
Flow error	Yes	Yes
Drop sensor	No	No
Set disengaged	Yes	Yes
Door open	Yes	Yes
User prompts	Yes	Yes
Circuit malfunction	Yes	Yes
Low battery	Yes	Yes
Depleted battery	Yes	Yes

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February 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Specifications:

AUDIBLE ALARM		
Volume control	Yes	Low, medium, high
Momentary silence	Yes	Yes
	Yes	Yes, Guardrails
DOSE ERROR REDUCTION SYSTEM (smart technology)		
Pump defaults to DERS on startup	No	Yes
Library size	Up to 8 configuration parameter sets	1,500 drugs and fluids
No. of care areas	Not specified	15
No. of drug entities/care area	Not specified	1,500
Log-analysis software	Not specified	Yes
DATA PORT	RS232	RS232 (RJ45) Optinal Wireless Modem
EVENT LOG	Yes	Yes
Display	Yes	LCD
Printout	Yes	Yes
Time/date stamp	Yes	Yes
Number of events	1,000	≥10,000
Events stored	Settings, alarms, system errors, keys pressed	All, including Guardrails events with subsequent programming
NURSE CALL JACK	Yes	Optional
MRI COMPATIBLE	No	No
FLUID RESISTANT	Yes	Yes
SYRINGE DELIVERY	Yes	Yes
POWER SOURCE, VAC	100-120/220-250	100-240
Frequency, Hz	50/60	50/60
Battery type	SLA (2)	Ni-MH (10)
Life, hr @ flow (mL/hr)	3 @ 100	4 @ 25 (4 channels)
Recharge time, hr	80% @ 12	4 @ 95%
H x W x D, cm (in)	35.3 x 19.7 x 20.3 (13.9 x 7.8 x 8)	Programming module: 22.4 x 17.5 x 22.9 (8.8 x 6.9 x 9); pump module: 22.6 x 8.4 x 14 (8.9 x 3.3 x 5.5)
WEIGHT, kg (lb)	7.9 (17.5)	Programming module: 2.9 (6.4); pump module: 1.1 (2.5)
OTHER SPECIFICATIONS	Colleague Guardian feature allows selection of drug dose and concentration; 64 preset drug labels and 436 additional user labels; configurable postocclusion restart; delayed start; 10-color display; multifunction mounting clamp; enables hard concentration	ALARIS System supports Guardrails Suite of Safety software, ALARIS SpO2 module (Masimo SET or Nellcor technology), ALARIS EtCO2 module, ALARIS PCA module, ALARIS Syringe module, ALARIS Auto-ID module (bar code).
UMDNS CODE(S)	17634	13215, 16722, 17634

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

February 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description Pump, Syringe	Equipment Number 1456
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Manufacturer ----- Baxter ----- Smiths-Medical -----	Model ----- Aitecs 2015 ----- Medfusion 3500 -----
---	---

Further Description:

- Patient controlled analgesia for the immobile patient
- Patient safety – anti siphon and anti-reflux combination
- Step-by-step programming features
- A rechargeable battery with a long life – allows patient mobility when required
- Multiple syringe brands and sizes
- Configurable options
- Comprehensive patient history and drug library
- Patient friendly PCA button



Specifications:

- Power Supply: 100 – 240 VAC, 50/60 Hz, 60 VA or internal rechargeable battery
- Battery Type: Built in NiMH, 7.2V/2.5Ah
- Battery Life: 10 h @ 5ml/h
- Battery Charging Time: 3 hours to 100 % charge
- Protection: Class I, CF, IPX 1
- Electrical Safety and EMC: EN 60601-(1, 1-2, 2-24)
- Operation Conditions: +5 to + 40 °C
- Storage Conditions: -20 to + 40 °C
- Weight: 3.0 kg (excluding mounting clamp and patient handset)
- Dimensions: 443 x 140 x 174 mm

Further Description:

- FlowSentry™: enhanced pressure trending for earlier clinical intervention
- Extensive delivery mode combinations including ml/hr, body weight, mass, volume over time, custom dilution and intermittent, loading dose, bolus dose, standby, volume limit and KVO rate
- Syringe sizes: accepts seven different manufactures syringe types, all manufacture's syringe administration sets
- +/- 2% instrument accuracy: automatic syringe size detection
- Bio-Med log-on line to set PM dates, view service history, and for access to calibration and diagnostic testing



Specifications:

- AC Power Source: 100 – 240 VAC, 50/60 Hz, 30VA, Safety Class II – Type CF
- External DC Power Source(optional): 6-14VDC, 7W
- Internal Battery Capacity (at 25°C): Rechargeable.
- 10 hours at 5 ml/hr with 60 ml syringe (for fully charged battery)
- Weight (pump only): 3.8 lbs (1.7 kg)
- Dimensions (pump only): 270 W x 130H x 140 D mm
- Temperature: 5° to 40° C (40° to 104° F)
- Relative Humidity: 15 to 95% non-condensing
- Ambient Pressure: 70 kPa to 106 kPa (10.2 psia to 15.4 psia)
- Infusion Back Pressure: -100 mmHg to 300 mmHg

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

February 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Pump, Infusion, Pain Management

Equipment Number
1452

Manufacturer ----- Baxter ----- -----	Model Number ----- Ipump ----- -----
--	---

- Further Description:
- Program for epidural, IV, or subcutaneous delivery.
 - Set dosing limits based on clinical preferences
 - Specify PCA dose delay time options in one-minute intervals up to 240 minutes.
 - Control flow rates in 0.1 mL/hour increments for maximum flexibility – with continuous flow rates up to 90 mL/hour.
 - LCD displays and word/symbol icons for fast visual recognition.
 - Battery power with AC adaptor option
 - Download individual Ipump configuration specifications to other Ipump devices for standardized therapy.
 - Track and monitor pump usage in specific care
 - Track programming, time and history of each infusion.
 - Maintain record management accurately and effortlessly with real-time clock features.



- Specifications:
- AC power requirements: 100 to 120 VAC 50/60 Hz 700mA
 - AC adaptor cord : 5.9 feet
 - Battery 9V Alkaline
 - Size (inches) : 4.9 x 3.4 x 1.8
 - Weight: 17.5 ounces

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

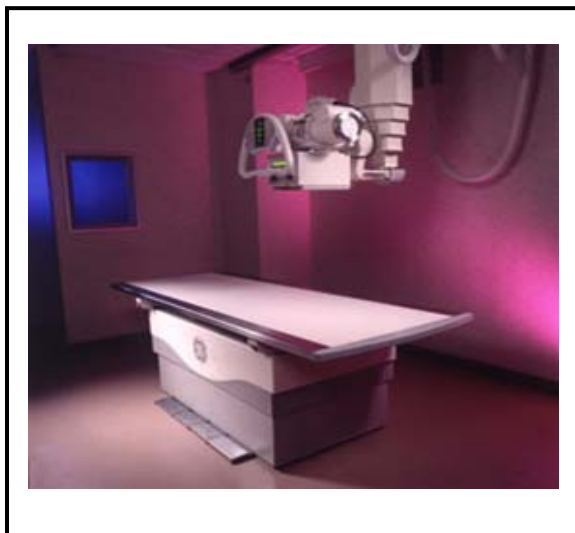
February 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description Radiography System, Digital	Equipment Number 1462
--	---------------------------------

Manufacturer ----- GE -----	Model ----- Definium 8000 -----
---	---

- Further Description:**
- Amorphous silicon digital detector
 - Size: 41 x 41 cm
 - Active matrix: 2022 x 2022 cm
 - Motorized ceiling mounted tube suspension with manual override
 - Vertical travel: 180 cm
 - Continuous tube head angling with detents at 0° and 90°
 - Largest FOV: 41 x 41 cm
 - Table
 - Weight: 480 kg
 - Foot print: 126 x 69 cm
 - Elevating range: 52-82 cm
 - Max patient weight: 220 kg
 - Top: 88 (W) x 229 (L) cm
 - Acquisition workstation
 - Two 19" flat screen monitors
 - Hard disk storage: 73 GB



- Specifications:**
- Line Voltage: 380, 400, 420, 440, 460, and 480 V, 3-phase with or without neutral, 50/60 Hz
 - Maximum instantaneous power: 118 kVA
 - X-ray source
 - Anode heat storage: 350,000 HU
 - Tube unit heat storage: 1,500,000 HU
 - Anode max heat dissipation rate: 75,000 HU/min
 - Tube unit max heat dissipation rate: 60,000 HU/min
 - Power Unit/ Generator: 65 or 80 kW
 - 40 to 150 kVp
 - 10 to 800 mA (1000 mA for 80 kW), 0.25 to 630 mAs
 - Dimensions and Weight
 - Stationary rail: 5.79 (W) m x 62.3 (D) mm x 84.3 (H) mm, [62.6 kg pair]
 - System cabinet: 907(W) x 719 (D) x 1296 (H) mm, [308 kg]
 - Wall stand: 860 (W) x 650 (extended: 1387) (D) x 2286 (H) mm, [270-275 kg]
 - Overhead Tube Support: 607 (W) x 1016 (D) x 889 (H) mm, [172 kg]
 - PC tower (xw8400): 210 (W) x 525 (D) x 455 (H) mm, [18-25.2 kg]

- Building Considerations:**
- Corridor sizes 2.5 m, door height required 186 Cm , door width 104 Cm heaviest box is 602 Kg
 - Room size (not including the patient room, or changing room) 5449x4500 mm for turning table for straight rail room please check with manufacturer
 - Recommended Ceiling height: 2900 mm (min 2692 mm)
 - Shielding is required for room's walls, doors and windows
 - Floor must be flat and 150 mm concrete to hold the table's bolts it should be able to tolerate 565 kg/sqm
 - Power supplied to medical imaging equipment must be separate from power feeds to air conditioning, elevators, outdoor lighting, and other frequently switched or motorized loads.
 - External Ventilation is required Heat output (device only) 4755-27501 BHU/hr

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description Radiography Unit, Digital
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Equipment Number 1462

Manufacturer ----- Philips ----- -----	Model ----- Digital Diagnost ----- -----
---	---

- Further Description:**
- Ceiling suspension CS consists
 - Column
 - Rail system
 - X-ray tube assembly with collimator and control grip
 - Detector
 - aSi flat detector
 - Size: 43 x 43 cm
 - Pixel size: 143 µm
 - Digital Bucky table
 - Height: 515-915 mm (motorized)
 - Dimensions: 2400 x 750 mm
 - Static load center: 375 kg
 - Acquisition console
 - Monitor: 19 inch, 1280 x 1024
 - Hard disk: 32 GB for images
 - DICOM interface
 - Ethernet: 10/100/1000BaseT



- Specifications:**
- Power Requirements
 - Line voltage: 400/480 V, 50/60 Hz, 3-phase
 - High voltage generator: Optimus (50, 65, or 80 kW configuration)
 - Max mains current at 400 V: 230 A (optimus 80)
 - Maximum tube voltage: 150 kV
 - Weight (lbs)
 - Optimus 80 control cabinet: 462
 - CS2 tube crane with cable carrier rail: 810 (extension rails 113 lbs)
 - Digital Diagnost TH2: 650
 - Digital Diagnost VM: 753
 - Digital Diagnost workstation: 176
- For complete system specifications and site planning information, see the attached documents.

- Building considerations:**
- Radiation shielding required
 - Clear door openings for moving equipment into the building must be 42" (1067mm) w x 82" (2083mm) h min. 48" (1219mm) w x 82" (2083mm) h rec., or larger contingent on an 8'-0" (2438mm) corridor width.
 - Room size (not including the control room, patient room, or changing room) 6248x3810 mm
Min-Max Ceiling height: 2640-3000 mm with tube shield support up and 3030-3400 mm with tube shield support down
 - Floor levelness: to within plus or minus 1/16 inch (2mm) over a length of 39" (1m).
 - Power supplied to medical imaging equipment must be separate from power feeds to air conditioning, elevators, outdoor lighting, and other frequently switched or motorized loads.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description Radiography Unit, Digital / Trauma

Equipment Number 1463

Manufacturer ----- Philips ----- -----	Model ----- Trauma Diagnost ----- -----
---	--

- Further Description:**
- Ceiling suspension CS consists
 - Column
 - Rail system
 - X-ray tube assembly with collimator and control grip
 - Detector
 - aSi flat detector
 - Size: 43 x 43 cm
 - Pixel size: 143 µm
 - Digital Bucky table
 - Height: 515-915 mm (motorized)
 - Dimensions: 2400 x 750 mm
 - Static load center: 375 kg
 - Acquisition console
 - Monitor: 19 inch, 1280 x 1024
 - Hard disk: 32 GB for images
 - DICOM interface
 - Ethernet: 10/100/1000BaseT



- Specifications:**
- Power Requirements
 - Line voltage: 400/480 V, 50/60 Hz, 3-phase
 - High voltage generator: Optimus (50, 65, or 80 kW configuration)
 - Max mains current at 400 V: 230 A (optimus 80)
 - Maximum tube voltage: 150 kV
 - Weight (lbs)
 - Optimus 80 control cabinet: 462
 - CS2 tube crane with cable carrier rail: 810 (extension rails 113 lbs)
 - Digital Diagnost TH2: 650
 - Digital Diagnost VM: 753
 - Digital Diagnost workstation: 176
- For complete system specifications and site planning information, see the attached documents.

- Building considerations:**
- Radiation shielding required
 - Clear door openings for moving equipment into the building must be 42" (1067mm) w x 82" (2083mm) h min. 48" (1219mm) w x 82" (2083mm) h rec., or larger contingent on an 8'-0" (2438mm) corridor width.
 - Floor levelness: to within plus or minus 1/16 inch (2mm) over a length of 39" (1m).
 - Power supplied to medical imaging equipment must be separate from power feeds to air conditioning, elevators, outdoor lighting, and other frequently switched or motorized loads.
 - Note: This data is for 1 bed unit – it is the intention to have a 3 bed trauma bay with overhead tube
 - Ceiling suspensions with Traumadiagnost

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Radiography System, Digital

Equipment Number
1462

Manufacturer ----- SIEMENS ----- -----	Model ----- Ysio ----- -----
---	---

- Further Description:**
- Generator, X-ray tube, and imaging system controlled from single console
 - CsI Scintillator coupled to TFT matrix with amorphous Silicon technology
 - Digital Flat Detectors
 - 43 x 43 cm integrated with 9 million pixels
 - 34.2 x 43.2cm wireless mobile detector (optional) with 7 million pixels
 - Automatic centering of X-ray tube
 - Patient Table
 - 80 (W) x 240 (L) x 51.5 to 95.5 (H) cm
 - High performance PC with flat panel display
 - Full DICOM compatibility



- Technical Detail: (see attached documents)**
- Line Voltage: 3 phase, 380V, 400V (440/480V with additional transformer for Generator), at 50 or 60 Hz.
 - Power consumption:
 - 105 KVA (R65 generator)
 - 135 KVA (R80 generator)
 - Weight:
 - Wall Stand (262 kg)
 - X-ray Tube support (385 kg without ceiling rails)
 - Generator Cabinet (428 kg)
 - Patient Table (440 kg)
 - X-ray Tube
 - Max. exposure voltage: 150kV
 - Anode heat dissipation: 120,000 J/min
 - Anode heat storage capacity: 783,000 HU

- Building considerations:**
- Room's walls and windows shielding is required
 - Ceiling support is required for X-ray tube support
 - Control room, changing room and patient room also required
 - Ventilation is required: examination room 18-30 C humidity 20-75% Imaging station : 15-30 C humidity 40-80 % Air pressure 700-1060 hPa
 - Line Voltage: 3 phase, 380V, 400V (440/480V with additional transformer for Generator), at 50 or 60 Hz.
 - Door passage size

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Radiography System, Digital / Trauma

Equipment Number
1463

Manufacturer	Model
-----	-----
SIEMENS	Ysio
-----	-----
-----	-----

Further Description:

- Generator, X-ray tube, and imaging system controlled from single console
- Csl Scintillator coupled to TFT matrix with amorphous Silicon technology
- 34.2 x 43.2cm wireless mobile detector (wi-D)(optional) with 7 million pixels
- Automatic centering of X-ray tube
- High performance PC with flat panel display
- Full DICOM compatibility
- A maximum of one wi-D per Ysio solution
- Mobile detector holder for wi-D*
- Lateral detector holder for wi-D for use on patient table*
- Clip-on grid for wi-D*
- Patient trolley with adjustable detector tray for wi-D*



Technical Detail:

- Line Voltage: 3 phase, 380V, 400V (440/480V with additional transformer for Generator), at 50 or 60 Hz.
- Power consumption:
 - 105 KVA (R65 generator)
 - 135 KVA (R80 generator)
- Weight:
 - Wall Stand (262 kg)
 - X-ray Tube support (385 kg without ceiling rails)
 - Generator Cabinet (428 kg)
 - Patient Table (440 kg)
- X-ray Tube
 - Max. exposure voltage: 150kV
 - Anode heat dissipation: 120,000 J/min
 - Anode heat storage capacity: 783,000 HU

Installation considerations:

- Room's walls and windows shielding is required
- X-Y gantry for the X-ray tube to cover the whole room
- Ceiling support is required for X-ray tube support
- Ventilation is required: Imaging station : 15-30 C humidity 40-80 % Air pressure 700-1060 hPa
- Line Voltage: 3 phase, 380V, 400V (440/480V with additional transformer for Generator), at 50 or 60 Hz.
- Note: This data is for 1 bed unit – it is the intention to have a 3 bed trauma bay with overhead tube

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Radiology, Digital, Mobile Unit

Equipment Number
1731

Manufacturer ----- GE ----- -----	Model ----- Definium AMX 700 ----- -----
--	---

- Further Description:**
- Battery driven portable x-ray system
 - Maneuverability
 - Single drive handle
 - Variable speed up to 4.8 km/h
 - Able to climb incline of 5°
 - Column rotation: +/- 270°
 - Flat panel detector
 - Image area: 41 x 41 cm
 - 2048 x 2048 pixels
 - Removable stationary grid
 - Acquisition workstation
 - Monitor: 15" touch screen
 - Hard disk storage: 73 GB
 - image processing time: < 15 s
 - DICOM 3.0 and IHE compliant



- Specifications:**
- Batteries: Rechargeable, sealed lead-acid, nine 12-volt packs
 - Battery charging voltage: 110 or 220 VAC, 50/60 Hz
 - Generator: 12.5 kW
 - Anode heat storage capacity: 140,000 HU
 - Overall system dimensions: 64.8 (W) x 193 (H) x 115.6 (L) cm
 - Tube positioning
 - Vertical travel: 138.4 cm
 - Maximum horizontal extension: 107.6 cm
 - Minimum horizontal extension: 67.0 cm
 - Horizontal travel: 40.6 cm
 - Weight with batteries: Approx. 559 kg

- Installation consideration:**
- Check for size for door passage.
 - Consider weight for storage and field floor capability.
 - Wireless network coverage for image transfer
 - Data
 - Wireless considerations
- *See attached datasheet for more information

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description
Rapid Infuser

Equipment Number
1453

Manufacturer ----- Smiths' medical ----- -----	Model Number ----- Level 1® H-1200 Fast Flow Fluid Warmer ----- -----
---	--

Further Description:

- Rapid infusion is even safer with the Level 1® H-1200 Fast Flow Fluid Warmer with integrated Air Detector/Clamp. When air is detected, the patient line is automatically clamped and the user is notified via audible and visual alarms.



Specifications:

- System Specifications
- Physical Measurement
- Height, Overall 67 inches (1.7 m)
- Width, Overall 20 inches (51 cm)
- Depth, Overall 20 inches (51 cm)
- Weight Assembled; Dry 63 pounds (28.5 kg)
- Recirculating Solution Capacity 0.37 gallons (1.4 L)
- Air Source Pressure 300 (294 ± 6) mm/Hg
- Environmental Temperature Humidity [%]
- Operation 10°C to 40°C 10 to 95
- Transportation -18°C to 60°C 5 to 95
- Storage 5°C to 40°C 5 to 95
- Thermal
- Temperature Set Point 41.7°C ± 0.3°C
- Over Temperature Set Point 43.9°C ± 0.1°C
- Electrical Type
- Protection Against Electrical Shock Class I Equipment
- Type BF Equipment
- Mode of Operation Continuous
- Type of Current Alternating
- Ingress Protection Rating IPX1
- MAINS Power Input (REF H-1200 115 V) 115 VAC, 60 Hz, 12 Amps
- Auxiliary MAINS Outlet (REF H-1200 230 V) 0.75 Amp

Installation Considerations:

- 120V 12A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Refrigerator, 22 cuft, Domestic

Equipment Number
1473

Manufacturer ----- Kitchenaid ----- -----	Model Number ----- KBRS22KVWH ----- -----
--	--

Further Description:

- A 21.9 cubic foot storage capacity (15.6 fridge, 6.3 freezer) offers ample room for all your fresh and frozen food items
- The bottom mount design places all your fresh food items at eye level while the pull-out freezer door also makes it easy to get to your frozen food items
- Perishables are stored with the right amount of moisture because of FreshSeal humidity-controlled crispers
- The FreshChill temperature management system
- Adjustable SpillClean Glass Shelves help prevent anything from dripping into other areas and make clean up fast and easy
- Features the sleek and sophisticated Architect series handles
- Energy Star qualified
- Product Dimensions (cm) 82.87(W) x 177.17(H) x 84.46(D) cm
- Product Dimensions (inches) 32.6(W) x 69.8(H) x 33.3(D) in
- Product Weight 140.61 kg



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description:
Refrigerator, 23 cuft, Lab

Equipment Number
8518-1

Manufacturer ----- Sanyo ----- Thermo Scientific -----	Model Number ----- MPR-721 ----- REC 2304A -----
---	---

Further Specifications:

Thermo Scientific

- Adjustable temperature control, range +1°C to +8°C, factory pre-set to +4°C
- Icon-based controls and displays
- Setpoint security with key- operated triple-position master switch controls
- Audible/visual warnings
- Advanced defrost sensor
- Enlarged digital display
- Remote alarm

Sanyo

- Max heat discharge: 1368/1548kJ/h
- Easy maintenance
- Single glass door
- Temperature range: 2-14 C
- Movable wire shelves for test apparatus and storage flexibility
- Forced air circulation with single fan
- Remote alarm contact,
- Tamper proof function, Self diagnosis, Memory backup (nonvolatile memory)



Specifications:

Thermo Scientific

- Capacity cu.ft
- Voltage 115 VAC 9.4A
- Interior Dimensions: (H x W x D): 58.0 x 29.0 x 24.0
- Exterior Dimensions: (H x W x D): 79.1 x 36.2 x 28.0
- Weight: 193

Sanyo

- Exterior Dimensions: (W x D x H): 30.3" x 32.7" x 77.0"
- Interior Dimensions: (W x D x H): 25.6" x 27.9" x 59.1"
- Capacity: 24.1 cu. ft.
- Voltage: 115 VAC, 300W
- Weight: 174 kg

Installation Considerations:

- Spacing from the walls for ventilation
- Maximum ambient temperature: 35 C
- Central Temperature Monitoring
- Essential Power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Refrigerator, 40 cuft, Double Glass Door

Equipment Number
1477

Manufacturer	Model Number
Thermo Scientific	Revco RLR4304A
-----	-----
Sanyo	MPR-1013
-----	-----

Further Description:

Sanyo:

- Forced Air Circulation
- Microprocessor Controls: Comprehensive set point, alarm, monitoring and diagnostic functions, adjustable temperature range 2°C to 14°C.
- SANYO Cycle Defrost
- SANYO Designed Compressors
- The slim design and optional sliding shelves allows for an ergonomic easy-reach retrieval of product.

Thermo Scientific

- Operating temperatures from +2°C to +10°C
- Advanced forced-air cooling with automatic defrost cycle
- High-visibility digital temperature display
- Positive door latches with key lock for added security



Specifications:

Sanyo:

- Exterior Dimensions(in): 70.5H x 23.6D x 70W
- Interior Dimensions(in): 51.2H x 18.3D x 66.9W
- Volume: 36.5 cu.ft.
- Door: dual, sliding glass
- Wire Shelves: adjustable
- Voltage 115 VAC 5A
- Weight: 240 kg

Thermo Scientific:

- Door: double, sliding, glass
- Number of Shelves: 8
- Volume: 43 cu.ft
- Interior Dimensions(in): 57H x 26.5D x 49W
- Exterior Dimensions(in): 76H x 32D x 53W
- Voltage: 115V, 60Hz 9.2 A
- Weight: 293 kg

Installation Considerations:

- Space from the walls for ventilation
- Max. ambient temperature 35 C
- Essential power
- Central alarm monitoring

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Refrigerator, 50 CuFt, Pass-through

Equipment Number
1475

Manufacturer ----- VWR ----- -----	Model Number ----- SCPTP-49 ----- -----
---	--

Further Description:

VWR:

- Temperature Range of 1°C to 10°C
- Adjustable Microprocessor Temperature Controller with digital air temperature display
- Audible and Visual Alarms for high and low temperatures, and power failures supported by battery back-up.
- Temporary muting feature with intermittent chirp reminder
- Sample Simulated Digital Temperature Display
- Sensor Error Warning
- Remote Alarm Contacts with adjustable delay provided to simplify connection to central alarm systems and phone dialers



Specifications:

Sanyo:

- Exterior Dimensions(in): 79H x 32D x 55W
- Volume: 49 cu.ft.
- Door Front: dual, sliding glass
- Door Back: Dual, Sliding Solid
- Wire Shelves: adjustable
- Voltage 115 VAC, 11A
- Weight: 578 kg

Installation Considerations:

- Spacing from the walls for ventilation
- Max. ambient temperature 35 C
- Essential power
- Temperature monitoring

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Refrigerator, Blood Bank, Double door

Equipment Number
1472

Manufacturer ----- Thermo Scientific ----- Sanyo -----	Model Number ----- JewettBBR 37 ----- MBR 1404GR -----
---	---

Further Description:

Thermo Scientific

- Upright 37 cu ft blood refrigerator with double glass doors and capacity for 450 blood bags
- Forced air circulation system
- 6 drawers and 4 shelves
- Full height fluorescent lights
- Auto-Clean automatic condensate evaporator tray
- Extendable stainless steel drawers
- Multi-pane heated glass
- hinges for airtight door closures
- 7 day circular chart recorder to meet validation requirements
- Alarm/monitor system to be wired to central alarm network
- Approx size 60" wide x 36" deep x 73" tall

Sanyo

- Stable Temperature Control
- Temperature Variations Prevented
- Alarm and safety functions
- Environment Friendly



Specifications:

Thermo Scientific

- Capacity: 37.4 cuft, 630 bags
- Voltage: 115V VAC 1Ø 12.2A
- Interior Dimensions (H x D x W inches): 50.62 x 54.75 x 23.5
- Exterior Dimensions (H x D x W inches): 73.87 x 59 x 30
- Weight: 381 kg

Sanyo

- Capacity: 11.8 cu.ft.
- Exterior Dimensions: (W x D x H) Cm 1440 x 830 x 1950
- Interior dimensions(W x D x H) Cm: 1320 x 697 x 1500
- Voltage: 115 VAC 340 W
- Weight: 290 kg

Installation Considerations:

- Keep Ventilation space from the walls
- Ambient temperature +32 max.
- Essential power
- Central Alarm Monitoring
- Downloadable Data to PC

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Refrigerator, Domestic, Small

Equipment Number
1473.1

Manufacturer ----- Summit ----- -----	Model Number ----- BI540W ----- -----
--	--

- Further Description:
- Summit's "dual evaporator" for separate cooling of the freezer and fresh food sections for better performance
 - Interior light
 - Automatic defrost fresh food section and manual defrost freezer
 - Adjustable shelves
 - Fruit and vegetable crisper
 - Energy efficient design
 - Door storage for large bottles
 - A large 0 degree freezer that keeps frozen foods (even ice cream) frozen
 - Adjustable thermostat
 - Sturdy external handle
 - 100% CFC free
 - U.L approved
 - 115 volt/ 60 hz
 - 3 prong grounded cord



- Specifications:
- Height: 33 1/8"
 - Width: 23 5/8"
 - Depth: 23 1/2"
 - Capacity (cubic feet): 5.3
 - Weight: 150 lbs.
 - Defrost (refrigerator): automatic
 - Defrost (freezer): manual
 - Interior Light (refrigerator): yes

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Refrigerator, Under Counter, Scientific	Equipment Number 1476
--	---------------------------------

Manufacturer ----- Sanyo ----- Thermo Scientific -----	Model Number ----- SR-L6111W ----- 3754 -----
---	--

Further Description:

Thermo Scientific

- Manual Defrost
- Front venting, may be built-in under counter.
- Manual defrost.
- Two full size adjustable shelves and 1/2 shelf on bottom.
- Door activated interior light.
- Front-mounted adjustable thermostat.

Sanyo:

- Easy to read, angled L.E.D. display and keypad.
- Remote alarm
- Controller lockout function
- Automatic tracking alarm
- Door ajar alarm with alarm delay timer
- Door mounted controller
- Digital input of temperature



Specifications:

Thermo Scientific:

- Door: Solid , single
- Volume: 6 cu.ft
- Interior Dimensions: (20.75"W x 17.75"D x 27"H)
- External Dimensions: 24"W x 23.5"D x 35"H
- Voltage: 115V, 60Hz 160 W
- Weight: 55 kg
- Temperature: -10 to 12 C (14 to 54 F)

Sanyo:

- Exterior Dimensions(in): 235/8"W (600 mm) x 34½"H* (876 mm) x 22½"D (648 mm)
- Volume: 6.1 cu.ft.
- Door: Single, solid
- Wire Shelves: adjustable
- Voltage 115 VAC, 0.9A
- Weight: 50 kg
- Temperature: 1-14 C

Installation Considerations:

- Space from the walls for ventilation
- Room Temperature max 32 C
- Central Alarm monitoring
- Essential power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Refrigerator/Freezer, Scientific	Equipment Number 1474
---	---------------------------------

Manufacturer ----- Sanyo ----- Thermo Scientific -----	Model Number ----- MPR-414F ----- FRCRF192A -----
---	--

Further Description:

Thermo Scientific

- Easy Cleaning
- Economical
- Environmentally Friendly

Sanyo:

- High/low temperature alarm
- Door ajar alarm
- Memory back up during power failure
- Self diagnostics
- Remote alarm contact (DC30V, 2A)
- Door key lock
- 4 casters with 2 adjustable leveling fee



Specifications:

Thermo Scientific:

- Door: Solid , single
- Capacity Refrigerator: 13.5 cu.ft
- Capacity Freezer: 5.5 cu.ft
- Interior Dimensions Freezer(in): 17H x 25W x 22D
- Interior Dimensions Refrigerator(in): 39H x 26W x 24D
- External Dimensions(in): 67H x 30W x 31D
- Voltage: 115V, 60Hz
- Weight: 102 kg
- Temperature: 2-10 C Ref, (-12) – (-20) Freezer

Sanyo:

- Exterior Dimensions(in): 31.5" x 23.6" x 71.1"
- Capacity Refrigerator: 12 cu.ft.
- Capacity Freezer: 2.9 cu.ft
- Door: Double door solid freezer, double door glass refrigerator
- Voltage 115 VAC 160W+160W
- Weight: 126 kg
- Temperature: 2-14 Ref. (-20) - (-30) Freezer

Installation Considerations:

- Space from the walls for ventilation
- Room Temperature max 30 C
- Central Alarm monitoring
- Essential power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Regulator, Suction

Equipment Number
1481

Manufacturer	Model Number
-----	-----
Boehringer	3840 Platinum Series
-----	-----
-----	3714 Pediatric
-----	-----

Further Description:

Model 3840:

- Back flush with water cleaning.
- Self Cleaning Technology protects controls enhancing accuracy and life. (Pat. Pending)
- Reduce cross contamination with optional antimicrobial cover.
- Inlet/Outlet: 1/8" NPT
- Port Size: 5mm
- Disinfection Autoclave, Gas and Chemical Sterilants
- Materials Aluminum, Stainless Steel, Lexan, Buna Rubber, Silicone
- Gauge Accuracy +/- 5% FSO ANSI Class B
- Spiking +/- 10% at 730mm Hg from Full Flow to Zero
- Range 0-760 mm Hg
- Dimensions (H x W): 5.75" x 4.25"
- Weigh: 1.65 lb.
- No calibration required
- Highest flow capacity enables fast, effective removal of surgical waste and vomitus

Model 3714 Pediatric:

- VACUUM: 0-100 mm Hg fully adjustable
- 3 MODELS INTERMITTING AND CONTINUOUS
- VENT PORTS: 3/16" Diameter
- GAUGE ACCURACY +/-5% FSO Linear
- REGULATOR ACCURACY: +/- 10% at 200 mm Hg from full flow to zero
- INLET AND OUTLET PORTS: 1/8" NPT Female
- WEIGHT (Gauge and Regulator) 1.35 lb.
- MATERIALS: Hard anodized aluminum, stainless steel, neodymium magnets, Dacron reinforced Buna, and silicone.
- DISINFECTION: Gas, autoclave, Cidex, Pasteurization or Sterrad

Installation Considerations:

- Vacuum



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Regulator, Nitrous Oxide (Nitronox)

Equipment Number
2029

Manufacturer ----- Matrx ----- -----	Model Number ----- NH ----- -----
---	--

Further Description:

- The Nitronox Hospital Model is designed for use as a wall mounted analgesia system in the hospital setting.
- Includes 3 ft N2O and O2 supply hoses with DISS x DISS Connection.
- Complete with 4 1/2 ft. delivery hose, mask-demand valve,
- patented Matrx gas scavenger system, wall arm and mounting stud



Specifications:

- Head Dimensions: 5 1/2" W x 9" H x 5 1/2" D.

Installation Considerations:

- Piped in Nitrous
- Scavenging system

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Safe

Equipment Number 1489

Manufacturer ----- Liberty ----- -----	Model Number ----- Centurion safe ----- -----
---	--

Further Description:

- residential container burglary classification
- 2" thick composite, pry resistant steel door
- glass relocker
- 1¼" active steel locking bolts
- 1.1 cubic foot



Specifications:

- dimensions: 17¾" x 17¾" x 20½"
- weight: 190 lbs
- bolt coverage: 2 sides
- bolt count: 4 (2-active, 2-fixed)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description:
Scale

Equipment Number
8005

Manufacturer ----- Detecto ----- Health o Meter ----- Seca	Model Number ----- ----- ----- -----
---	--

Further Description:

Floor scale

Suitable for Healthcare Facilities. Heavy duty construction and a white baked enamel finish support the scale's many features: Pro-Helix™ accuracy and a large diameter dial with a 330 lb. capacity and metric equivalent. Slip-proof vinyl mat. Weigh Tracker indicator allows users to mark their weight progress.

- Dial Size 7 ¾" diameter
- Scale Size 18 ½" x 13" x 4 ¾"
- Capacity 330 lb x 1 lb
- Finish Baked Enamel

Eye level Scale with Height Rod:

LCD weight display, which rotates for easy viewing. Display functions include auto-off, lock/release of display, automatic zero and motion detection. Battery powered. Switch selectable capacity: 400 lb x 0.2 lb (180 kg x 0.1 kg) Dual reading height rod measures in inches or centimeters.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

2008

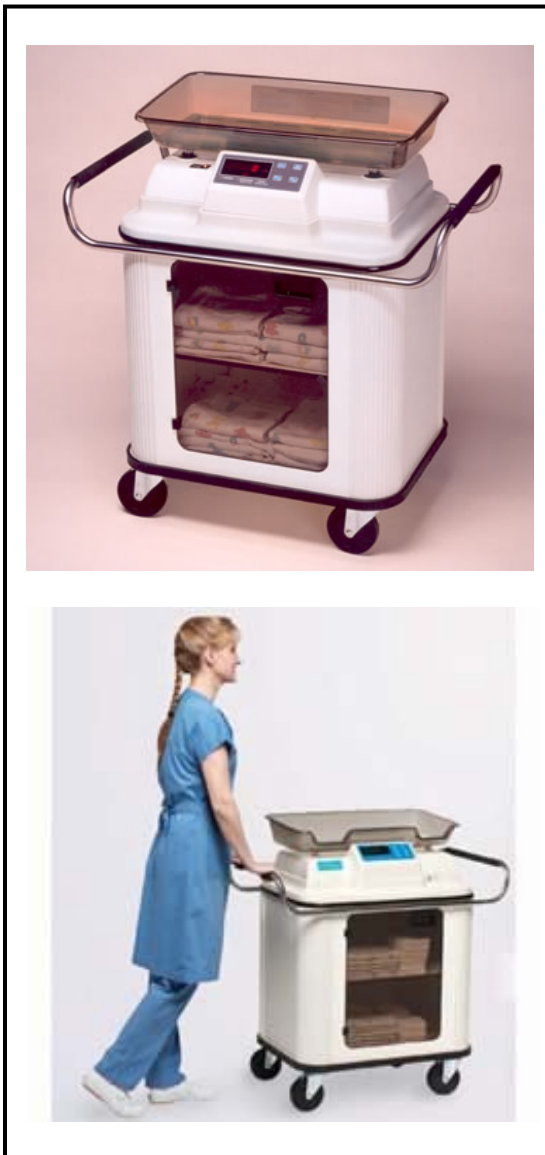
Item Description
Scale, Infant w/cart

Equipment Number
1499

Manufacturer ----- Olympic ----- -----	Model Number ----- Model 28 Roll-Around Warm Scale ----- -----
---	---

Further Description:

- C/w cart, warmer and charger
- Newborn safety tray 36" x 20" x 9"
- AC or battery operation
- Scale tray approx. 36" from floor
- Automatic weight averaging computes weight to the nearest gram w/ Auto zeroing and auto weight lock
- Accuracy: 1.0 gram
- Weighs up to 15,000 grams or 33 lbs
- Thermostatically controlled warm air directed to tray from bottom of scale
- Easy to read lighted digital readout
- Cart c/w 3-4" castors, closed storage and bumper guards.



Specifications:

- Capacity 33 pounds (15,000 grams)
- Dimensions 40 1/2 x 36 x 22 1/2 inches
- Display LED
- Graduation 1/5 gram
- Heat range 92 - 102 degrees F (33.3 - 38.9 degrees C)
- Power Hospital Grade 120 V Plug - Single pack with 6 sub-C Ni-Cad rechargeable batteries
- Scale Weight 110 lbs / 50 kg
- Tray Size 3 1/4 x 14 x 26 inches

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Scale, Wheelchair

Equipment Number
1506

Manufacturer ----- Healthometer ----- Deteco ----- Seca	Model Number ----- ----- ----- 664
--	---

Further Description:

- Side safety barriers
- Digital, easy to read display
- Keypad entry
- Auto Zero, Auto Power ON/OFF, and weight lock/hold
- 800 lb (300kg) capacity
- .2 lb accuracy
- Skid-proof flat platform
- Base Dimensions
2" X 32" X44-5/8"
- Power Supply:
A/C UL Adapter and rechargeable batteries



Performance Specification:

- Easy and safe access for wheelchair use.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Sequential Compression Device

Equipment Number
1360

Manufacturer ----- Covidien / Kendall ----- -----	Model Number ----- Express ----- -----
--	---

Further Description:

- Deep Vein Thrombosis (DVT) and Pulmonary Embolism (PE). The system consists of the SCD EXPRESS™ controller, non-disposable tubing and single patient use leg garments.
- UL Device Classification Class I Equipment
- Internally Powered, Portable
- Type BF Applied Parts
- Not AP or APG Equipments
- Mode of Operation Continuous
- Ingress of Water Protection Ordinary, IPX0 (IEC 529)
- Compression Type Leg Sleeves: Sequential, Gradient
- Foot Cuffs: Uniform



Performance Specification:

- Compression Cycle Leg Sleeves: 11 Seconds Compression
- Foot Cuffs: 5 Seconds Compression
- Decompression time based upon Vascular Refill Detection measurement
- Set Pressure Leg Sleeves: 45 mmHg
- Foot Cuffs: 130 mmHg
- Bed Hook Yes (Optional)
- Power Cord Storage Yes
- Audible/Visual Alarms Low Pressure, High Pressure, Internal Electronics Malfunction
- Power Cord Hospital Grade Plug

Performance Specification:


- Controller Dimensions: Height: 6.2 inches (15.8 cm)
- Width: 7.0 inches (17.8 cm)
- Depth: 4.5 inches (11.4 cm)
- Controller Weight 3.5 lbs. (1.6 kg)
- Power Requirements 100-240 VAC, 50VA, 50/60 Hz
- Battery 16.4 V, 2000mAh, Lithium Ion (Optional)
- Run Time: 6-8 hours
- Charge Time: 4 hours (charging only)
- Shipping Case Dimensions Height: 11.6 inches (29.4 cm)
- Width: 9.0 inches (22.8 cm)
- Depth: 11.4 inches (28.9 cm)
- Shipping Weight 7 lbs. 6 oz. (3.45 kg)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description Shaker, Orbital	Equipment Number 2021
--	---------------------------------

Manufacturer ----- Troemner Henry ----- -----	Model Number ----- DS-500 980001 ----- -----
--	---

<p>Further Description:</p> <ul style="list-style-type: none"> • Microprocessor-controlled unit features LED displays for speed and time. Closed loop control system provides a speed range from 25 to 500rpm with an accuracy of ± 2rpm of set speed under all types of workloads. Motor protection circuitry prevents overloads. • Shaker is programmable to run continuously or timed to run up to 9999 minutes and turn off. Speed is easily controlled by "Up" and "Down" arrows. Reproducible motion is evenly distributed to all samples through a counter-balanced eccentric drive mechanism that travels over a 19mm (3/4") circular orbit. Shaker is supplied with a rubber pad, which sits on a 27x32cm (10 1/2x12 1/2") tray that rotates on heavy-duty sealed ball bearings and is powered by a continuous-duty motor. Base features a hardened enamel finish that resists most abrasives and corrosives. 	
--	---

<p>Specifications:</p> <ul style="list-style-type: none"> • Electrical: 110V, 100W • Weight Capacity: 16 kg (35 lbs.) • Speed: 25 to 500 rpm • Dimensions: 27.3W x 38.1D x 18.8H cm (10 3/4 x 15 x 7 1/4") • Shipping Weight: 23 kg (50 lbs.) 	<p>Installation Considerations:</p> <ul style="list-style-type: none"> • Possible source of vibrations
---	--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

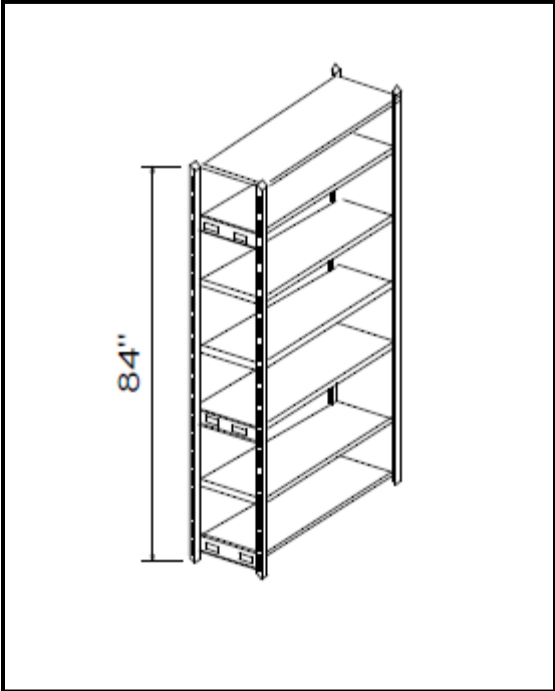
Item Description
Shelving, High Capacity

Equipment Number
1562.1

Manufacturer ----- ROK Enterprises Ltd ----- -----	Model Number ----- Boltless Storage Shelving ----- -----
---	---

Further Description:

- ½" X 1 ½" posts with 1" adjustments
- All shelves supported full width metal frame connectors; shelf clips not acceptable
- Metal shelves with 390 lb. load capacity.
- Angle posts, side and back sway braces not acceptable
- FINISH: Baked enamel Finish on metal Soft Grey



Specifications:

- 36"W x 18"D x 84"H
- 54"W x 18"D x 84"H

Installation Consideration

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

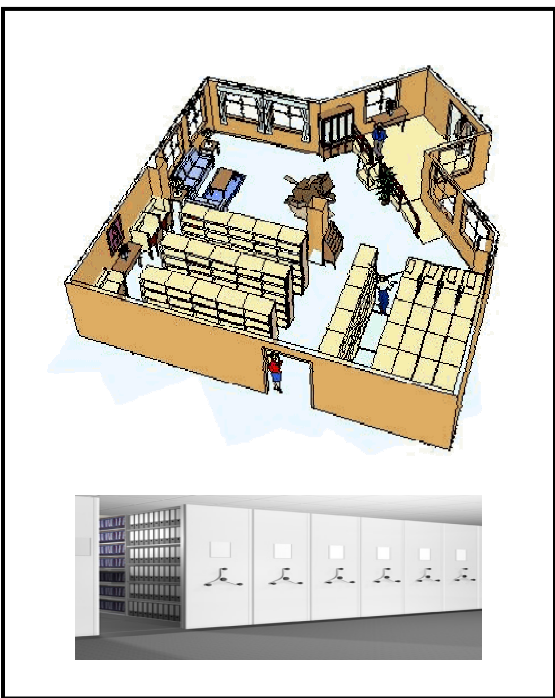
Item Description
Shelving, High Density

Equipment Number
1562

Manufacturer ----- HiCube ----- -----	Model Number ----- Healthcare Spacesaver ----- -----
--	---

Further Description:

- Greatly increased efficiencies
- Unnecessary in-room patient interruptions
- Reduction of hospital-acquired infections
- Point of Need Storage puts supplies, materials and information at the ready so that healthcare practitioners can devote less time to accessing and spend more time caring for patients.
- Utilize space, enhance productivity and clean up storage in nearly every area within a healthcare facility including:
 - Sterile supplies and kits
 - Pharmaceuticals
 - Cine films
 - Laboratory supplies
 - Maintenance supplies
 - Medical records
 - Linens
 - Glass slide and specimens



Specifications:

- Custom build design
- Floor load to be considered
- Floor railing might be required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Slide Dryer/Warmer

Equipment Number
1240.1

Manufacturer ----- Triangle Biomedical (VWR) ----- -----	Model Number ----- TBS ----- -----
---	---

Further Description:

- Blows heated air over slides for rapid drying.
- Slide racks taken directly from a stainer dry in 20 to 30 minutes.
- Temperature control dial allows drying temperatures from ambient to 75°C.
- Features a hinged stainless steel lid and a LEXAN* glass front for specimen viewing.
- Self-resetting thermal switch prevents overheating.
- Accommodates two conventional slide racks.



Specifications:

- Dimensions: 12.7Hx27.9Wx24.8Dcm (5x11x93/4").
- For 115V, 60Hz. (TBS SD-II-120)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Slide Stainer, (hematology)

Equipment Number
8019

Manufacturer	Model Number
-----	-----
Wescor	Model 7150
-----	-----
EM Science	Midas 111
-----	-----

Further Description

WESCOR 7150

- The hematology stainer shall be a Wescor Model 7150 Aerospray Hematology Slide Stainer/Cytocentrifuge and shall be capable of both staining and cytocentrifugation. The stainer shall have programs for peripheral blood smear and bone marrow staining. The stainer shall stain from 1-12 slides in less than 5 minutes and shall consume no more than 75 watts of electrical power and shall weigh less than 41 lbs. The stainer shall have an automatic clean cycle to clean spray nozzles and the interior bowl and staining carousel.

EM Science Midas 111

- For preliminary use in hematology and microbiology
- fully programmable, useable in other special staining areas
- primary set up of four reagent vessels, one drying and one rinsing station
- up to 20 slides in less than six minutes
- agitation of arm feature to allow for complete stain penetration and complete drying, variable water speed on the rinse station and optional heat control accept up to nine programs and 29 steps per program
- memory feature in case of power outages
- optional free-standing water bath is available



Installation consideration:

- Comply with UL 3101-1 installation standard category II
- Drain connection required
- GFI protected power outlet is required for external water bath pump
- RO water requirement
- UPS and Essential power

specifications:

Wescor 7150:

- Dimension: 56W x 53D x 24H Cm
- Clearance height 58 Cm
- Shipping weight 16.8 kg
- Voltage: 100-240 V 50-60 Hz
- Current: max 5 Amp
- Watt: 75 W

EM Science Midas 111:

- Dimension: 53W x 45D x 38H Cm
- Shipping weight 13 kg
- Voltage: 115-230 V 50-60 Hz
- Current: max 5 Amp
- Watt: max 600 W
- GFI protected power outlet is required for external water bath pump
- Ambient temperature 15-40 C
- Relative humidity 25-80 %
- Ambient pressure 70-80 mmHg

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Slide Stainer, Hematology, Automated line

Equipment Number
2019

Manufacturer ----- Beckman coulter ----- -----	Model Number ----- LH Series ----- -----
---	---

Further Description

- A component of the automated line. Can work independently



Installation Consideration:

Power Requirements (for the Auto line)

- Line voltage (unit power supply):
- 220 VAC ± 10%, single phase, 20 A,
- 50/60 Hz ± 5%
- Line Controller (Computer)
- 100–240 VAC ± 10%, single phase,
- 10–20 A, 50/60 Hz ± 5%

- May Require Floor Drain
- UPS
- Essential power
- Data
- May require Compressor
- Meditech interface

Specifications:

Component	Height	Width	Depth	Weight
Slide Stainer	19.75 in	23.75 in	30 in	80 lbs
	50.2 cm	60.3 cm	76.2 cm	36.4 Kg

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description Slit Lamp

Equipment Number 1914

Manufacturer	Model Number
Haag-Streit Group	BM900
Carl Zeiss Canada Ltd	SL 130
Topcon	SL-1E

- Further Description – Carl Zeiss SL 130**
- Minimized light loss with high transmission
 - Dual application design – used as traditional slit lamp as well as for laser therapy
 - Symmetrical slit protector controls – left or right hand operation
 - Rated voltage: 100 – 240 V ± 10 %, self-sensing, 50/60Hz
 - Weight: basic instrument – 9.85 kg
Headrest: 1.25 kg
 - Dimensions (W x H x D): 300 mm x 430 mm x 355 mm (11.8" x 16.9" x 13.9")



- Further Description – Topcon SL-1E**
- 14mm illumination slit – continuously adjustable slit width
 - Slit length: 1mm, 2mm, 3mm, 5mm, 8mm, 10mm, 14mm
 - Halogen illumination
 - Built-in filter
 - Power: 100V, 120V, 220V and 240V adjustable with built-in voltage selector, 50/60 Hz
 - Power consumption: 30 VA
 - Dimensions
 - Unit model: 440mm x 350mm 18kg
 - Table model: 560mm x 350mm 18kg

- Further Description: Haag-Streit Group BM900**
- Slit image width: 0 – 8 mm continuous
 - Slit image length: 1 – 8 mm continuous
 - Illumination field diameter: 8, 5, 3, 2, 1, 0.2 mm
Test mark with fixation star
 - Slit image radial range: ± 90°
 - Filters: blue, redfree (green), grey (10%)
UV and IR filters permanently installed
 - Adjustment of the instrument base: 80mm(L) x 30mm(H) x 100mm(W)
 - Weight: 11.40 kg (without transformer and headrest)



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

March 2009

Item Description Soak Station, Ultrasound Probe

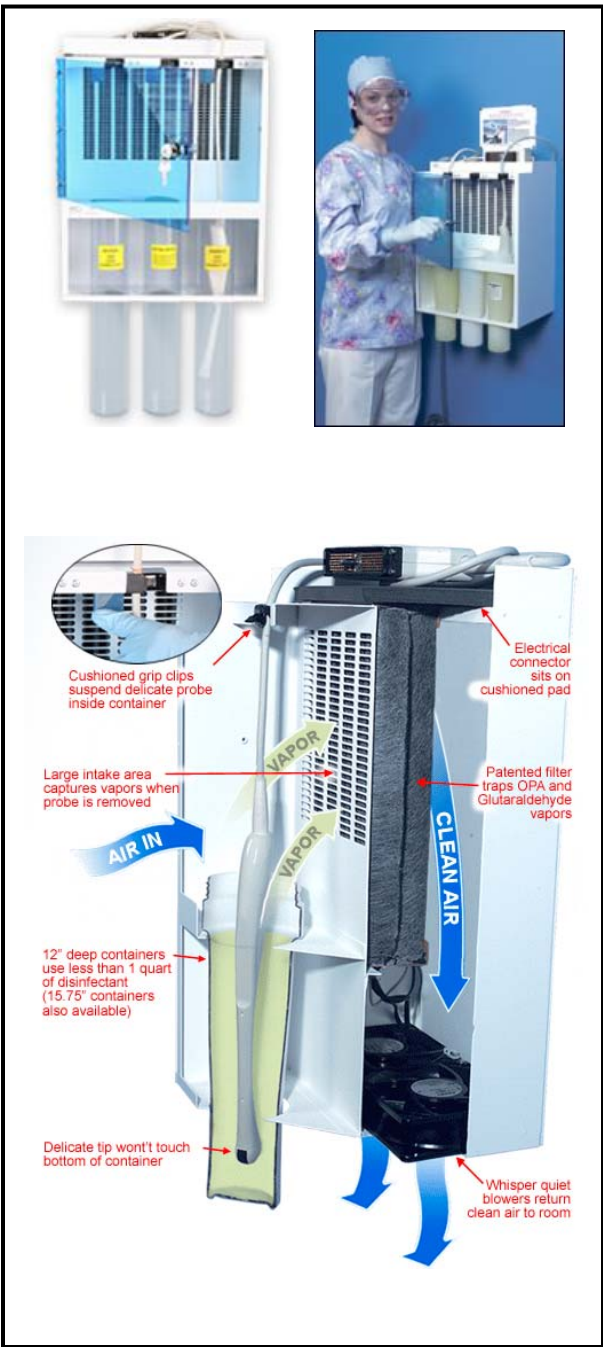
Equipment Number ME-104

Manufacturer ----- PCi Medical -----	Model Number ----- G14KA -----
--	--

Further Description:

The blower draws fumes away from the worker and into a carbon filter. A chemical bonding occurs inside the filter, trapping the disinfectant fumes and clean air is returned to the room.

- Fully contained unit
- Two container is for disinfectant, the other for initial rinse. A final rinse should be done at the sink
- Fits all brands of trans-vaginal and trans-rectal ultrasound probes
- Meets OSHA and JCAHO requirements for removing potentially toxic fumes
- Standard locking safety door
- Number of probes soaked: 2
- Face Velocity FPM 45
- Filter Change every 6-12 month



Specifications:

- Dimension: 16"H x 15"W x 12.25"D
- Weight: (lbs) 28

Electrical

- 115V 50/60Hz
- .5A
- 18 W

Installation Constitutions:

- Wall mounted
- 110 V power required
- Moisture will ruin the filter; not to installed on top of the sink
- Space required for ventilation: 59"H x 18.5"W x 10.25"D

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

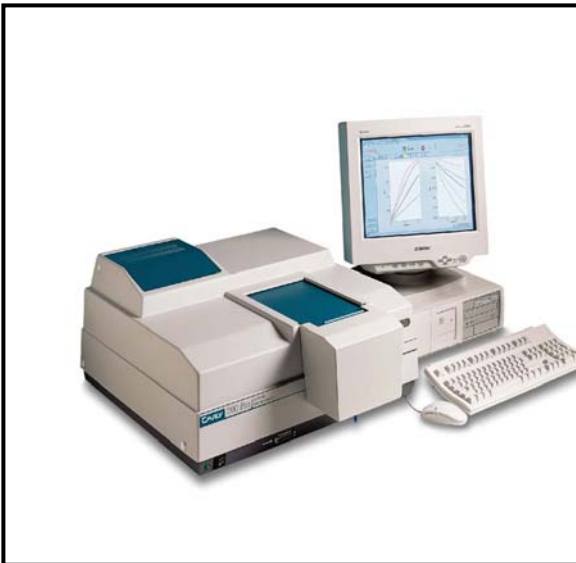
Item Description
Spectrophotometer, UV- Visible

Equipment Number
2018

Manufacturer ----- Varian -----	Model Number ----- CARY 100 -----
---	---

Further Explanation:

- Monochromatic UV-Vis spectrophotometer
- Wavelength range : 190 – 900 nm
- Wavelength accuracy : plus and minus 0.2 nm
- Spectral bandwidth : 0.2 nm to 4 nm, in 0.1 nm steps
- UV-Vis limiting resolution : equal to or less than 0.24 nm
- Quartz overcoating - protects the optics from the environment and allows cleaning without damage to their reflective surface
- Sealed optics - prevents exposure to corrosive environments
- Variable slits - allow optimum control over data resolution. The spectral bandwidth can be set down to 0.2 nm. (Many instruments on the market are limited to a fixed SBW of 2 nm)
- A working range past 3.5 absorbance units - Dilution of a sample, to bring it into a range that the spectrophotometer can measure, is therefore not required
- A phase locked wavelength drive - prevents peak shifts and peak suppression at high scan speeds.
- Double choppers - ensure that the sample and reference beam strike the detector at the same point, removing any errors due to non uniformity of the detector
- The large sample compartment - gives you more flexibility in sample size
- Centralized accessory control - all accessories are centrally controlled by the Accessory Controller, built into the Cary instrument. Instead of each accessory having their own electronics, the Accessory Controller provides the interface between the Cary software and the accessories. If your custom-built accessories will fit into the Cary instrument, you can use the Accessory Controller to control them. Even external accessories, such as titrators, lasers and pH meters can be controlled.



Installation Consideration:

- Weight 75 kg (165 lb)
- Width 86 cm (34 in)
- Depth 77 cm (30 in)
- Height 65 cm (26 in)
- No draughts; No vibration; For optimum performance the ambient temperature between 20–25 °C within ±2 °C throughout working day.
- System Unit Required Supply Voltage & Power
 - Rating 100, 120, 220, 240±10% VAC
 - 230 +14–6%,230 +6–14% VAC
 - 50/60 ±1 Hz 270 VA
 - SUSA 10 A 125 VAC Complies with NEMA 5–15P
- Pure nitrogen pipeline required for sample compartment
- Operating pressure for the nitrogen purging system is 83 to 172 kPa (12 to 25 psi).
- Nitrogen supply tubing should be clean, flexible plastic tubing 6 mm (1/4") inside diameter (Tygon PVC or equivalent). Do not use rubber tubing.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

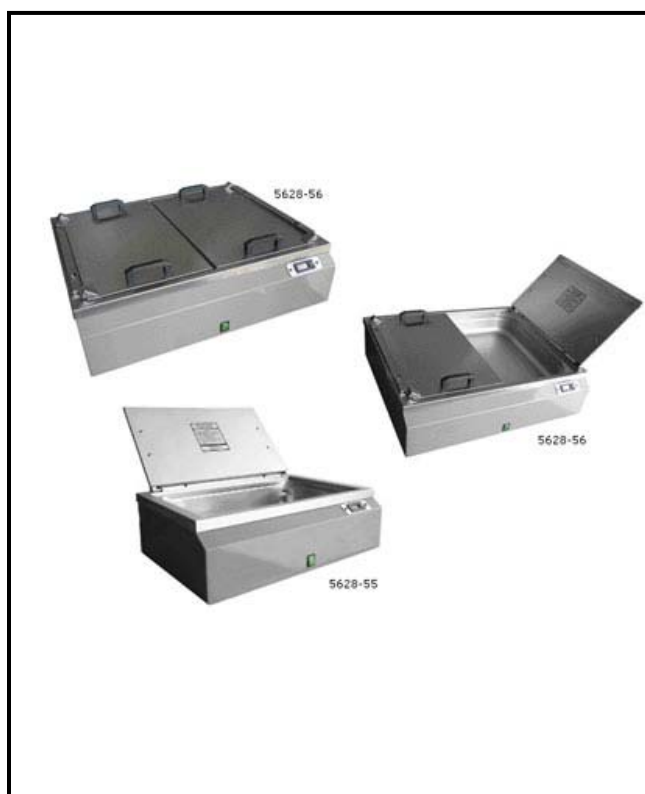
Item Description
Splinting Pan

Equipment Number
1416

Manufacturer ----- Sammons Preston ----- -----	Model Number ----- Rolyan ----- -----
---	--

Further Description:

- Digital LED-display for controlling and viewing the water temperature
- Quick heat-up time (45-60 minutes)
- Stainless steel inside tank.
- Temperature range can be set between 140°F (60°C)-180°F (82°C).
- Each model includes an inner tank rack with lift knob handles (not shown) to lift out splinting material.
- The small pan has a 3.6 gallon (13.5 liter) capacity and the large pans have a 7.8 gallon (29.4 liter) capacity.
- Both sizes and colors are powder-coated on the outside to protect them from scratches.
- Large pans have split lids that open to sides to minimize interference with hanging cabinets.
- Minimum clearance required for opening lids on either pan size is 21" (53.5cm).
- Wheel handle drain valve on back of unit adds 1.5 inches to pan dimensions.
- 120 Volts.
- UL(R) and C-UL approved
- The 5628-56 splinting pan comes with a "high voltage" plug



Installation Considerations:

- Drain
- Plumbed in
- Possible High Current (on some models)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Stairs Exercise Station

Equipment Number
2047

Manufacturer ----- Lake Erie Medical ----- -----	Model Number ----- Stairs ----- -----
---	--

Further Description:

Training Stairs - 4-step

- Comes complete with Bus Step
- Height to platform is 24"
- Overall height: 54"
- Overall length: 55"
- Width: 30"
- No. of steps: 4
- Riser size: 6" x 10"
- Platform size: 30" x 24"
- Training Stairs - Straight, 30" wide



Installation Consideration:

- Ceiling height

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Storage, Medication

Equipment Number
1591

Manufacturer ----- Herman Miller ----- -----	Model Number ----- Pharmacy ----- -----
---	--

Further Description:

- Adjust for function Panel-attached components adjust in one-inch increments, connect easily, and can be readjusted without disassembling panels. A variety of angle configurations and heights create a variety of layouts and meet a range of functional and aesthetic needs. Supplement existing panels as needed without starting over.
- Address specific work processes Heavy-duty process tables are height adjustable, mobile, and provide under-surface storage.
- Organize and store for efficiency and accuracy From above to below the work surface, storage options are plentiful. Work organizers attach to tiles, keeping surfaces clear and items close at hand. Our entire line of storage/transport carts can be configured to work exactly the way you need them to and move supplies as needed.
- Freestanding and wall mounted modular shelving units and workstations
- c/w slanted shelves and bins
- welded steel frame
- adjustable shelves
- wide color selection



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Stretcher, Gynecology

Equipment Number
1610.1

Manufacturer ----- Stryker ----- -----	Model Number ----- Gynnie OB/GYN 1061 ----- -----
---	--

Further Description:

Gynnie's smart multi-purpose design offers hide-away footrests and single-hand positioning for OB/GYN functions maximizing return on investment. Key advantages include:

- Hide-away Footrests
- Glideaway Siderails
- Retractable Fifth Wheel
- Optional OB/GYN Accessories
- Four-Wheel Steel Ring Brake System
- Integrated Utility Tray

Options:

- C-spine cassette film holder
- Calf supports and brackets
- Defibrillator tray/footboard/extender
- Backrest X-ray cassette holder
- Hoop for drainage basin
- IV caddy
- IV poles
- Permanent folding two- or three-stage
- Tethered
- Standard removable
- Patient restraints
- Serving/instrument tray
- Siderail pads
- Upright oxygen bottle holder
- Extended warranty available



Specifications:

- Overall Length 81.5" (207 cm)
- Overall Width: Siderails Up 31.5" (80 cm); Siderails Down 26.75" (68 cm)
- Height Range (to litter top): High 36" (91 cm); Low 22.5" (57 cm)
- Weight Capacity 500 lbs (228 kg)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Warmer, Patient, Over-bed
--

Equipment Number 2017

Manufacturer ----- Aragona Medical -----	Model Number ----- MTC 430 -----
--	--

Further Description:

- Aragona Mobile Thermal Ceilings™ provide a uniform supply of low-temperature, high-efficiency, naturally radiated heat to patients suffering from trauma, burn injuries or peri-operative hypothermia.
- Virtually eliminates the shivering, which normally accompanies hypothermia
- Height easily adjusted with pressurized piston.
- Solid state temperature control unit with digital readout of skinsensor temperature.
- Four wheel stand for total mobility.
- Heating unit folds down for storage and mobility. Folding is easy as in the picture



Specifications:

CONTROL UNIT

- Control Adjustable 0-100%
- Max. connected load 2000 W resistive load
- Temperature range 10.0°C-99.9°C (50.0°F-211.8°F)
- Temperature accuracy ±0.1°C (< ±1.3°C without calibration)
- Fuses (2) slow 1/16A, (2) fast 1/4A
- Recorder output 10mV/°C, 0 - 1 Volt, Rout 1000 ohm (0 V=0°C)

HEATING UNIT

- Power consumption 500 W
- Power supply 100/120/230/240 V ±10% AC, 50-60Hz
- Connection 15' cord with hospital grade plug

Building Consideration:

DIMENSIONS

Heating Cassette

- Length 1200 mm (47.2")
- Width 600 mm (23.6")
- Height (max./min.) 1820/1370 mm (6'-1.2"/4'-6")

Floor Stand

- Width (outside/inside) 890/800 mm (35"/31.5")
- Depth 720 mm (28")

Unit

- Height (max./min.) 1970/1520 mm (6'-6.3"/4'-11.5")
- Weight 34 kg
- Clearance under bed 110 mm (4")
- The floor stand has four 3" casters, two of which are lockable.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description
Washer/Dryer

Equipment Number
1841.1

<p>Manufacturer</p> <p>-----</p> <p>Electrolux</p> <p>-----</p> <p>-----</p>	<p>Model Number</p> <p>-----</p> <p>Island White Wave-Touch</p> <p>-----</p> <p>Perfect Steam</p> <p>-----</p>
---	--

Further Description:

Washer

- Capacity: Interior Size (Washer): 4.7 cu. ft.
- Max. Spin Speed: 1350 rpm
- Water Temperatures: 6 with Automatic Temperature Control including ECO HOT
- Efficiency: Kilowatt Hrs. per Year: 256
- Standard Cycles: Normal, Heavy Duty, Whites, Delicate, Fast Wash
- Cycle Options:
- Delay Wash: 30 min. - 22 hours , Prewash, Extra Rinse, Stain Clean,
- Control Lockout, Quiet Package
- Estimated Time Remaining Display
- End of Cycle Signal: Chime (adjustable)
- Motor Spin Speeds: Infinite
- Wash Basket Material: Stainless Steel
- Top and Lid Material: Automotive quality steel & painting process
- Depth with Door Open: 50-5/8 in.
- Depth with Door Closed: 31-1/2 in.
- Maximum Width: 27 in.
- Item Weight: 247 lbs.
- Overall Depth: 31-1/2 in.

Dryer

- Capacity: Interior Size (Dryer): 8.0 cu. ft. IEC
- Timed Dry: Up to 90 minutes
- Height to Top of Control Panel: 38 in.
- Power Source: Electric
- Controls: Wave-Touch™ and LCD Controls
- Includes Dry Rack
- Overall Depth: 31-1/2 in.
- Overall Width: 27 in.
- Venting Directions: Rear, left, right, down
- Venting Options: 4-way kitless venting
- Item Weight: 130.0 lbs.



Installation Considerations:

- Ventilation to outside for dryer
- High current device (Possible 220V)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Water Purification Systems, Reverse Osmosis, Hemodialysis, Portable

Equipment Number
20-683

Manufacturer	Model
-----	-----
Gambro	WRO H300
-----	-----
AMERI WATER	MROS

Further Description:

Gambro output Quality:

- Minimum 1100 ml/min at +10°C
- Depends on inlet water quality
- Cable Length Max 10 m
- Product water loop with constant circulation eliminates dead-leg1
- Automatic flushing in standby eliminates stagnation
- Inlet water tank allows low feed pressure operation and provides air gap
- Built-in diagnostics monitor the system for internal errors
- Supply and drain line: Reinforced tubing 8mm x 3mm
- Product water loop: heat resistance reinforced tubing 5mm x 3mm

AmeriWater

- Cabinet design and onboard carbon anti-scalant
- No need a water softener
- Auto flush



Specifications:

Input Water:
Potable water should be used. Softener followed by carbon/particle filter ensures optimum performance. Softener may be omitted if acid cleaning is performed on a regular basis.

- Input: 3.0 l/min required
- Pressure: 17 to 116 PSI
- Temperature: 5 to 30°C

Drain Requirements:

- Maximum: 3.0 l/min
- Min 1" inside Drain Outlet

Power Supply

- Mains Voltage: 110V, +/- 10%, 60 Hz (max 1500W)
- Mains Socket: 115 V, Hospital grade earthed, type EC83A5-15
- Connections: 8 pin REDEL, external communication; 8 pin REDEL, RS-232

Dimensions (Gambro)

- Depth: Max: 500 mm Footprint: 380 mm
- Width: Max: 205 mm Footprint: 185 mm
- Height: 560 mm
- Weight: 32 kg

Dimension (AmeriWater)
HxDxW : 50 x 23 x 18.5 inches

Installation considerations:

- Drain outlet Min 1" inside
- 115V/60HZ/20A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

May 2010

Item Description
Waterbath, General

Equipment Number
1709.1

Manufacturer ----- Thermo Scientific ----- -----	Model Number ----- Precision Model 184 ----- -----
---	---

- Further Description:**
- Easy-to-maintain, seamless stainless-steel interior chamber and epoxy powder-coated exterior resist corrosion and chemical damage
 - Free stainless-steel diffuser shelf
 - Free stainless-steel gable cover
 - Choice of analog or digital temperature control
 - Free thermometer on analog models
 - Eight sizes. Choose chamber capacities ranging from 1.5 to 43 liters
 - Over-temperature safety circuitry prevents thermal runaway
 - Front mounted controls simplify operation



- Specifications:**
- Chamber Capacity: 5.2 gallon (19.5L)
 - Temperature Display: 0° to 100°C (Thermometer)
 - Maximum Temperature: 99.9°C
 - Temperature Uniformity: ±0.2°C at 37°C
 - Temperature Sensitivity: ±0.1°C at 37°C
 - Chamber: (L x W x H) 14 x 12 x 8 in.
 - Exterior without cover: 19.7 x 15.75 x 9.75 in.
 - Electrical Specs (50/60Hz): 120VAC 600W 5A
 - Weight: 25 lbs (11.3 kg)

- Installation consideration:**
- Close to Drain

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Waterbath, Plasma Thawing
--

Equipment Number 1709

Manufacturer ----- Helmer ----- -----	Model Number ----- DH8 ----- -----
--	---

Further Description:

Temperature Control:
Precise chamber temperature control

- Microprocessor based PID controller
- Chamber temperature displayed to 0.1 °C
- Fast response RTD thermal ribbon sensor
- Adjustable chamber temperature setting
- Tamper-resistant data entry security
- Simple temperature calibration
- Built-in thermometer holder

Thaws Random and Apheresis FFP
Removable basket assembly holds both random and apheresis FFP bags. Each basket compartment is 30.5 cm x 15.2 cm x 5.1 cm. Built-in fingers securely hold the Helmer Plasma Overwraps in position during operation. Removable dividers on each DH 8 basket Chamber Drain System - high flow rate, disconnect drain valve system to empty the chamber quickly and easily.

Deep Thawing Chamber results in faster FFP thawing times. The clean, streamlined design of the heavy-gauge stainless steel chamber



Specifications:

- Thawing Capacity: 8 FFP
- Chamber Volume: 32 liters
- Exterior Dimensions
- (WxHxF-B): 47 x 38 x 56 cm
- Chamber Dimensions (WxHxF-B): 39,5 x 28 x 38 cm

Installation consideration:

- Wall drain required
- Voltage/Amps: 230 V / 5,0 A
- RO may be required
- UPS and essential power
- GFI (Ground Fault Interuption)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Equipment Datasheet

Item Description
Welder, Sterile Tubing

Equipment Number
1291.1

Manufacturer ----- Terumo ----- -----	Model Number ----- 201A TSCD ----- -----
--	---

Further Description:

Counter top device
120V 60Hz AC



Performance Specification:

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Wheelchair, Bariatric

Equipment Number
1713

Manufacturer ----- Invacare ----- -----	Model Number ----- Tracer IV ----- -----
--	---

- Further Description:**
- Dual axle positions allow variation of seat-to-floor heights
 - Durable, low-maintenance, triple chrome-plated, carbon steel frame is long-lasting
Heavy-duty inner liners keep seat and back from stretching
 - Low-maintenance, dual-sealed precision bearings
 - Reinforced frame includes gusseted sides, caster journals and dual crossbraces
 - Urethane rear tires, mounted on "no flex" wheels, offer superior performance

- Specifications:**
- Seat Width: 22", 24"
 - Seat Depth: 18"
 - Seat To Floor Height: 19.5" Adult (17.5" Hemi)
 - Back Height: 16" fixed
 - Arm Style: Desk-length fixed height, padded, removable (All arms are conventional)
 - Product Weight: 42 lbs. (T4/WD28/28)
 - Product Weight Capacity: 450 lb.



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Wheelchair, Specialty

Equipment Number
1713.1

Manufacturer ----- Invacare -----	Model Number ----- HTR 5500 Tilt and Recline -----
---	--

- Further Description:
- Most popular Uni-Recliner
 - Dual seat-height adjustment with 24" rear wheel
 - optional 20" Low Seat with 22" rear and 6" front casters
 - Width reduction of 4" with 12" rear wheel option
 - 5" casters, 3-swivel-locking, 1 directional-locking
 - Contoured headrest, seat cushion, headwings, and tray standard
 - Tilt adjustment positions the user and improves tolerance and functionality
 - Contoured seat and back cushion enhance comfort
 - Sliding seat lock Fully integrated, adjustable molded tray improves functionality
 - Fold-down back facilitates transfers and personal grooming
 - Wide range of optional accessories: IV pole, handrim, elevating legrests, headrest extension, abduction pommel, front anti-tippers, and seat belt



- Specifications:
- SEAT WIDTHS 16", 18"
 - SEAT DEPTHS 16" - 20"
 - BACK HEIGHT 29"
 - TILT RANGE 0 - 35 deg.
 - RECLINE 95 - 125 deg.
 - SEAT HEIGHT 20" w/22" wheels & 6" casters
 - 22" w/24" wheels or 12" wheels & 8" casters
 - ARM HEIGHT (Adjustable) 7" - 12"
 - Overall Width 26" (16" wide chair); 29" (for 18" wide chair); subtract 4" when using 12" rear wheels
 - Overall Length 49"
 - Weight Capacity 250 lb
 - Chair Weight 95 lb

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Wheelchair, Specialty
--

Equipment Number 1713.1

Manufacturer ----- PDG -----	Model Number ----- Fuze T50 -----
--	---

- Further Description:**
- Manual tilt-in-space Wheelchair with 50° Of Tilt
 - Unique Pivot Point Location For Zero Center Of Gravity Shift and effortless operation
 - Small Overall Footprint For Easy Maneuverability
 - Easy Adjustment and Set-up with few tools required
 - Light-weight frame
 - Fast set-up and adjustment
 - Options available
 - Transport tie-downs available

- Specifications:**
- Load Capacity (supplier stated) : 114 kg
 - Weight (kg) : 20 kg
 - Width : From 600 mm to 730 mm
 - Seat Width : From 380 mm to 510 mm
 - Seat Depth : From 380 mm to 510 mm
 - Backrest Height : 510 or 640 mm
 - Backrest Recline Angle : From 90 degr to 120 degr
 - Tilt In Space Range: From -5 degr to 50 degr
 - Length 710mm
 - Height 1070mm
 - Width 600mm to 730mm
 - Seat Height 330mm to 510mm



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Wheelchair, General Transport

Equipment Number
1712

Manufacturer ----- Invacare ----- -----	Model Number ----- 9XTP ----- -----
--	--

- Further Description:**
- Dual axle positions allow variations of seat-to-floor heights
 - Durable, low-maintenance, chrome-plated, carbon steel frame with aluminum crossbraces
 - Multiple frame color variations for customizing
 - Offset axle position allows adjustment of center-of-gravity to increase maneuverability and stability to meet each user skill level
 - Urethane rear tires, mounted on "no flex" wheels, offer superior performance



- Specifications:**
- Seat Width: 14", 15", 16", 17", 18", 19", 20", 22" adult to hemi frame; 14", 15", 16", 17", 18" super-hemi frame
 - Seat Depth: 16" standard frame 17", 18" by seat extensions on adult to hemi frame; 16", 17" super-hemi frame
 - Front Riggings: Hemi swingaway footrest 17"-21" Hemi swingaway padded elevating legrest 17.5"-21" Super-hemi swingaway footrest 11"-17" Super-hemi swingaway padded elevating legrest 11"-17" Articulating elevating legrest 17"-25" (Footplates available in aluminum or composite)
 - Product Weight: 31 lb. (9XT/WD86/88)
 - Product Weight Capacity: 250 lbs.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Wheelchair, Nesting
--

Equipment Number 1721

Manufacturer ----- AjhartGroup ----- -----	Model Number ----- Staxi ----- -----
---	---

Further Description:

- Automatic Braking System (ABS): Engage hand brake to move; Release for automatic stop; Ergonomic, soft-touch hand brake; Comfortable for passengers and attendants
- Armrests: Lift for easy pivot transfers
- Footrests: Stainless steel; permanent; moveable
- Space Saving Design: Requires 1/3 the space of traditional wheelchairs; easy to find in available stands
- Seat: Deep seat offers secure comfort
- Versatile Transport: 500 lbs weight capacity
- Traceable Serial Number: Registered for easy retrieval
- Theft Resistant Durable Frame and Parts: Non-collapsible; doesn't fit in the trunk of a car; automotive grade paint for longevity in any setting



Specifications:

- Weight Capacity 500 lbs (227 kgs)
- Brake Automatic; Fail Safe Ratchet
- Seat to Floor 21 inches (53 cm)
- Back Height 41 inches (104 cm)
- Seat Width 20 1/2 inches (52 cm)
- Casters 5-inch; urethane; sealed bearing; non-marring
- Foot Rests Steel; Non-Removable; Lifts for comfort
- Arm Rests Steel Oval Tubing; Non-porous sleeve;
- Lift for easy transfer
- Wheels 2 1/8 inch composite wheel; 8 inch diameter; non-marring

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October 2009

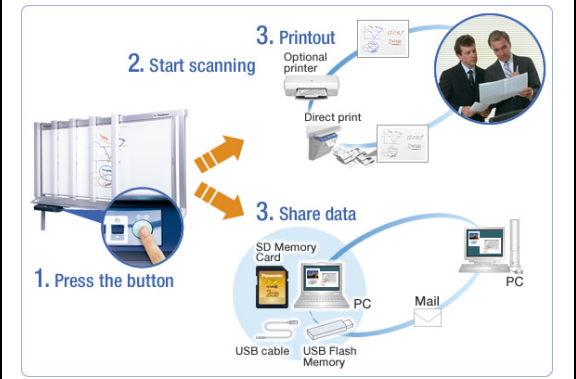
Item Description
Whiteboard, Electronic

Equipment Number
2059

Manufacturer ----- Panasonic ----- -----	Model Number ----- UB-2815C ----- -----
---	--

- Further Description:**
- Color Scanning System
 - 2 Flip-Style Surfaces (Front & Back) Wide Size
 - SD Memory Card/USB Flash Memory Storage
 - Direct Printer Output Capability
 - USB PC Interface with Panasonic Document Management Software
 - Automatic Date & Time Stamp

- Specifications:**
- Power Supply: AC 100-120V, 50/60Hz
 - External Dimensions: (w/ Stand) 73.2" (H) x 79.3" (W) x 47.6" (D)
 - Weight (w/o Stand): 82 Lbs
 - Writing Implements: Dry Erase Felt Tipped Markers (Black, Red and Blue)
 - Scanning Area: 31.3" (H) x 48.8" (W)
 - Panel Surfaces: 2 Screens
 - Panel Advance System Endless Scroll Type
 - Copying Area: 33.5" (H) x 49.2" (W)
 - Scanning System Image Sensor
 - Copy Paper Type Plain Paper (Regular Copier/Printer Paper)
 - Printing Process Method Fusion Transfer
 - Copy Paper Size Letter
 - Copy Density 300 dpi
 - Copy Color Standard
 - Contrast Adjustment Two Levels: Normal / Dark
 - Two-Screen Compressed Copying: Yes
 - Copying Time / Sheet: 15 Seconds
 - Memory Output SD Flash Memor Card or USB Flash Memory Stick
 - PC Interface Kit: Standard
 - Wall mount: Optional



- Building Consideration:**
- Data line

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Workstation, Height Adjustable, Alcove

Equipment Number
1821.2

Manufacturer ----- Nurture ----- SteelCase -----	Model Number ----- Sync ----- AIRTOUCH -----
---	---

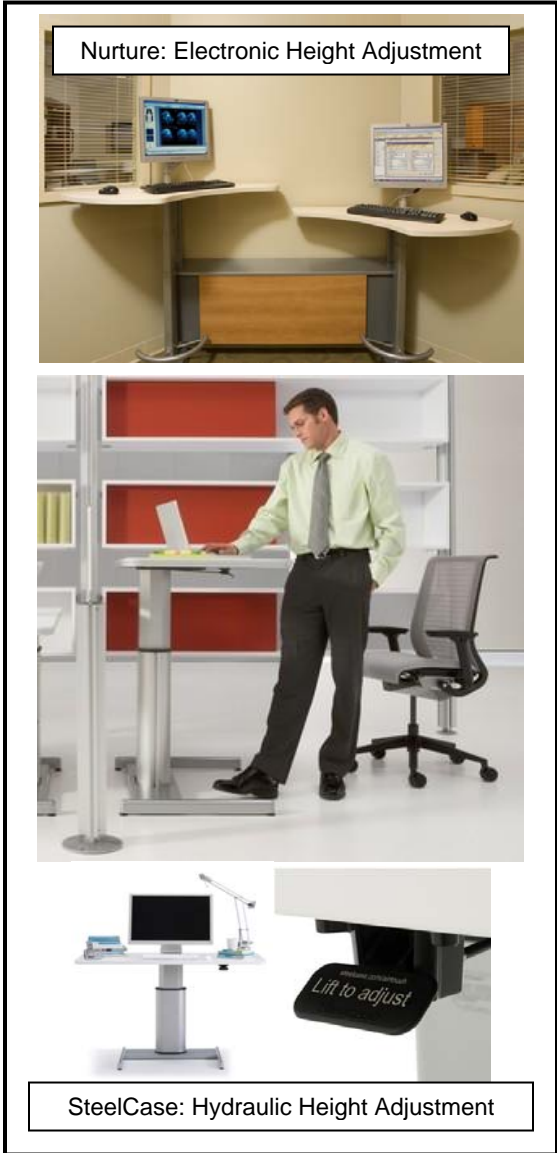
Further Description:

Nurture
Adaptability in Space and adjustable height

- SYNC has a minimal footprint, but its' surface shapes supports multiple workers. SYNC will adapt to on site dimensions and variations through telescoping and slip fit. Adaptable configurations and replaceable components create the flexibility to respond to the changing needs of the present and future.

SteelCase

- Exclusive Airtouch technology requires no electric power
- Choose from 4 beautiful laminates
- Stunning platinum frame
- Smooth, effortless up/down adjustment activated by ergonomic lift handle
- Adjusts from sit to stand position in about 1 second
- Great way to add standing height to your existing workspace
- Height range is 26" - 43" with infinite increments
- Airtouch Lite: 40 lb capacity- Optimized for 25 lb of cargo, maximum of 40 lb. Designed for light, mobile cargo loads such as laptops, small lamps, file folders, and paper
- Airtouch: 110 lb capacity- Adjustable assist gauge allows unit to function properly with any load up to 110 lb. Capable of lifting heavier loads such as large or multiple monitors.



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September 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
WorkTable, Height Adjustable

Equipment Number
1646.1

Manufacturer ----- Sammons Preston ----- -----	Model Number ----- Electric Economy Work Table ----- # 5539-82 -----
---	---

Further Description:

- Accommodates up to four ambulatory patients or two wheelchairs.
- Features natural oak laminate top and black laminate base plate with leveling legs.
- Measures 36"W x 60"L. Height adjusts from 27" to 43".
- 110 volts, 1.8 amps/60Hz with hospital grade plug.



Installation Considerations:

- Floored access power

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Table, Examination

Equipment Number 1644

Manufacturer ----- Midmark ----- -----	Model Number ----- 223 ----- -----
---	---

- Further Description:**
- With unprecedented low and high positioning heights, has powerback system
 - Have built-in pillow
 - Hideaway stirrups that lock in one of four lateral positions
 - Foot extension shelf to expand the table length
 - Paper roll holder hidden under headrest
 - Storage for four 21"x 3.5" diameter paper rolls
 - Polystyrene treatment pan
 - Foot control
 - Exam Assistant Drawer System™ and leveling screws
- Options
- Seamless upholstery top 28.5" W x 59" L (72.4 x 149.9 cm)
 - Pelvic tilt (5 degrees)
 - Drawer heater (35 watt)
- Accessories
- Rear storage pod (includes removable divider) (45.2 x 17.8 x 24.8 cm high)
 - Adjustable arm system (right and left side arms included)
 - Factory installed only Knee crutches Procto rest
 - Welch Allyn® light bracket
 - Urology pan
 - Stainless steel pan



- Specifications:**
- Length w/ footrest extended: 76" (182.9 cm)
 - Height: Min 18" (45.7 cm) Max 37" (94.0 cm)
 - Patient weight capacity 400# (181.4 kg)
- Electrical
- 115 VAC, 12 Amps (with receptacle -015)
 - 115 VAC, 12.5 Amps (with heater & receptacle -016)
 - UL 60601-1 and CAN/CSA C22.2 60601.1-

- Installation Considerations:**
- Electrical floor outlet

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Table, Examination, Bariatric
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Equipment Number 1644.1

Manufacturer ----- Midmark ----- -----	Model Number ----- 244 ----- -----
---	---

Further Description:

- Fully Powered
- Multi-Position Movement In addition to fully powered height adjustment
- Powered back and tilt angle adjustments
- Safety switches in the base section stop the table from moving if a slight amount of force is applied to the base cover.
- Optional foot control accessory
- optional casters; can support a 650 lb. stationary patient load but should not be used to move patients

Accessories

- Adjustable arm system (right and left side arms included)
- Casters
- Foot control
- 3' Power cord



Specifications:

- Patient Load Rating: 850 lb. (385 kg)
- Height: Minimum 18" (45.7 cm) Maximum 34" (86.4 cm)
- Back Support Angle: Minimum = 0° Maximum = 65°
- Seat Tilt Angle: Minimum = -15° Maximum = 15°

Upholstery Dimensions:

- Seat and Back Area: 32" W (81.3 cm)
- Head and Foot Area: 30" W (76.2 cm)
- Overall Length: 80" (203.2 cm)

Electrical

- 120 VAC, 2.5 Amps, 60 Hz
- Safety Standards
- UL 60601-1 and CAN/CSA
- C22.2 No. 601.1 - M90

Installation Considerations:

- Electrical floor outlet

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description Table, Procedure

Equipment Number 1634

Manufacturer ----- Midmark ----- -----	Model Number ----- 630 ----- -----
---	---

- Further Description:**
- Power height, back, foot and tilt
 - 450-pound patient weight capacity
 - 19-inch to 40-inch seat height adjustment (non-rotation models)
 - 22.5-inch to 43.5-inch seat height adjustment (rotation models)
 - Hand and foot control standard



- Specifications:**
- Patient Load Rating: 450 lb. (204 kg)
 - Height: Minimum 19" (48.3 cm) Maximum 40" (101.6 cm)
 - Seat Tilt Angle Range: 0° to 30°
 - Back Support Angle Range: 0° to 85°
 - Foot Support Angle Range: 0° to 90°
- Upholstery Width Dimensions:
- Headrest: 12" (30.5 cm);
 - Back support: 24"-26" (61-66 cm);
 - Seat: 28" (71.1 cm)
 - Foot support: 18" (45.7 cm)
- Patient Support Surface Length:
- Flat position: 72" (182.9 cm)
 - Flat position with headrest extended: 83" (210.8 cm)
 - Paper Roll Holder: Holds 18" x 3.5" paper roll (45.7 x 8.9 cm)
 - Optional Electrical Outlet Rating: 115 VAC, 3 Amps
- Electrical Ratings
- 115 VAC, 10 Amps, 50/60 Hz (for standard models)
 - 115/230 VAC, 7.5/3.8 Amps, 50/60 Hz (for rotation models)
 - 115 VAC, 7 Amps, 50/60 Hz (for heated top models)

- Installation Considerations:**
- Electrical floor outlet

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

September 2009

Item Description
Table, Adjustable Height Treatment

Equipment Number
1646

Manufacturer ----- Medi-tech ----- -----	Model Number ----- C3545 ----- -----
---	---

- Further Description:
- Unique treatment table with independent arm and foot plinths
 - Adjustable back and neck support
 - Electrically adjustable height control from 56cm to 87cm
 - Electronic hand control
 - Extremely strong steel construction with white resin finish sheep foam top for extra patient comfort
 - Tough vinyl finish with rounded corners
 - Choice of colour finishes
 - 25° incline and decline of head section
 - Fully fire retardant to latest standards
 - Dimensions 52cm [W] x 187cm [L]
 - [17cm foot / 126cm main / 40cm head]
 - Retractable castors as standard



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

2008

Item Description
Table, Bobath, Hi-Lo Electric

Equipment Number
1424

Manufacturer ----- Akron ----- -----	Model Number ----- Bobath 5 ----- -----
---	--

- Further Description:
- Approx 40" wide
 - 3 sections
 - locking back

 - electric hi/low adjustment
 - durable steel frame
 - 2" high density cushions
 - leveling guides on all 4 corners
 - Options:
 - dual foot control switch
 - locking castors
 - colour choice to match room décor.
 - Power plug required



<p>Features</p> <ul style="list-style-type: none"> ■ Safe working load of 325kgs ■ Electrically powered backrest ■ Height and backrest handswitch operated ■ Large wheel base with steering facility ■ Wide support surface of 106cm ■ Low voltage with battery backup ■ Backrest adjustable from horizontal to +85° ■ Choice of upholstery colours <p><i>* Video available on request</i></p>	<p>Model 4632 – Akron Bobath 5 electric with electric backrest</p> <p>Optional accessories</p> <ul style="list-style-type: none"> □ Model 4604 – Chrome plated side supports – pair □ Model 4605 – Nylon coated side supports – pair □ Model 1039 – Side support pads – pair □ Model 4602 – Patient support handles – pair □ Model 4603 – Patient support loops – pair □ Model 4607 – Arm/leg support attachment □ Model 4608 – Knee block/seat attachment 		
 <p>Model 4603</p>	 <p>Model 4607</p>	 <p>Model 4602</p>	 <p>Model 4608</p>

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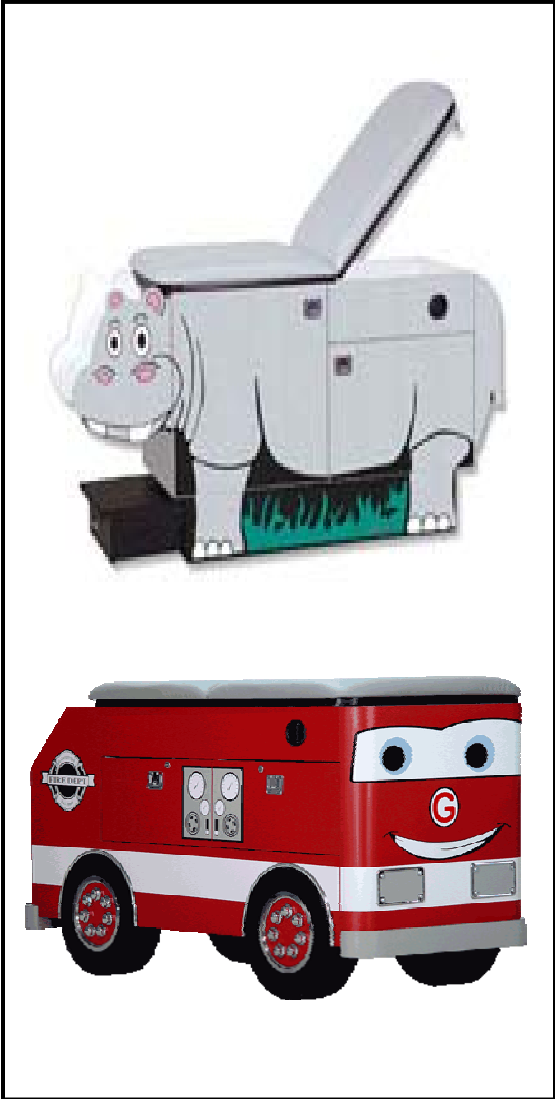
August 2009

Item Description
Table, Examination, Pediatric

Equipment Number
1626

Manufacturer ----- Good Time Medical ----- -----	Model Number ----- Fire Engine, Hippo, Elephant ----- -----
--	---

- Further Description:
- Novelty design
 - Seamless vinyl cover over dense shaped foam
 - Paper roll dispenser
 - Pull out extension
 - Foot step or step with handrail (as required)
 - Storage drawers
 - Approx. 35'h x 29'w x 68"l



- Performance Specification:
- Left or Right handed units to be coordinated with room design

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Table, Variable height tilt	Equipment Number 1644.2
--	-----------------------------------

Manufacturer ----- TRI-WG ----- -----	Model Number ----- 2708 ----- -----
--	--

- Further Description:**
- 350 lb weight capacity
 - UL classified 60601-1
 - Casters - 4" swivel with locking brakes
 - Safety belts
 - Angle indicator
 - Foot platform folds down covering to treatment table
 - Motorized height adjustable
 - Pneumatic hand switch
 - 2" upholstered top
 - Steel frame

- Performance Specification:**
- Width: 30"
 - Length: 81 1/2"
 - Height Range: 24" - 35 1/2"
 - Tilt Range: 0 to 86 degrees
 - Base: 12 gauge steel
 - Electrical: 110V, single phase, 60Hz, hospital grade plug



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Telemetry System

Equipment Number 1649

Manufacturer ----- Philips ----- GE -----	Model ----- IntelliVue Telemetry System ----- Apex Pro -----
--	---



GE

Further description:

- System consists of Transmitter, Receiver, and Antenna
- Interfaces with CIC pro clinical info center
- 72 hours of full disclosure data
- Up to 9 waveforms displayed on monitor
- SpO₂ and NIBP capability
- Electrocardiograph (ECG)
- Multichannel: 5 or 6 lead configuration
- Single channel: 3 lead configuration
- Heart rate detection: 3-300 beats/min
- Device to operate in the medical device frequency range

Specifications:

- Telemetry Transmitter
 - Battery: 1.5 V AA Alkaline, 40 hours life
 - Dimensions: 13.7 (H) x 7.4 (W) x 2.3 (D) cm
 - Weight: 141.8 g
- Telemetry Receiver
 - Capacity: 4 to 16 receivers
 - Network: 802.3 compatible via 10BaseT
 - Line Voltage: 85 to 264 VAC, 47 to 63 Hz
 - Power consumption: 25 Watts max with 4 quad receivers
 - Dimensions: 170 (H) x 325 (W) x 250 (D) mm
 - Weight: 6.4 kg
- Telemetry Antenna System
 - Line Voltage: 85 to 264 VAC, 47 to 63 Hz
 - Power consumption: 25 Watts max with 4 quad receivers



Philips

- Operates in 2.4 GHz ISM band with up to 6 RF channels (TRx4851A transceiver)
- Also can operate in the WMTS band (TRx4841A transceiver)
- ECG only or ECG/SpO₂ transceivers
- System comprised of following units
 - Transceivers
 - Patient leads and sensors
 - IntelliVue access points
 - Access point controller
 - Sync unit
 - Power over Ethernet unit
 - UPS
 - Routers and Switches
- Smart hopping technology looks for strongest signal
- Capacity to support up to 1000 transceivers or wireless bedside monitors
- Two-way communication between transceiver and IntelliVue Information Center
- 2 V-leads with 6-wire ECG
- Transceiver
 - Battery: 2 AA Alkaline
 - Battery Life: 50 hrs (ECG)
 - Battery Life: 18 Hrs. (ECG/SpO₂)
 - Dimensions: 140 (H) x 88 (W) x 37 (D) mm (ECG/SpO₂)
 - Weight: Approx. 324 g
- IntelliVue Information Center
 - Monitoring of wired, wireless, and telemetry beds
 - Access to PACS and LIS
 - Screen displays up to 16 patients
 - Touch screen operation

Installation Considerations: <ul style="list-style-type: none"> • Network cabling requirements between this system and comm. closet should be considered.
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2008

Item Description
Tele-pathology, ELMO

Equipment Number
2007

Manufacturer ----- ELMO ----- Axis ----- tvone-TASK	Model ----- P100 ----- Axis 241S ----- 1T-C2-100
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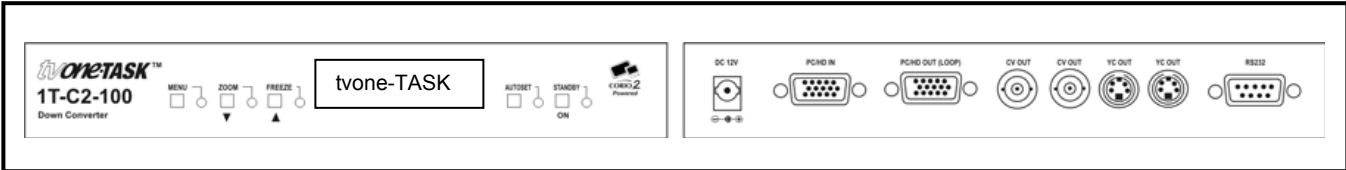
- P100
- PC Interface: RS-232C port. USB 2.0 port
 - SD Memory Card Slot
 - Dimensions (W x D x H):
 - Set up: 18" x 20 1/2" x 23 1/8"
 - Folded: 18" x 22 1/8" x 5 1/2"
 - Weight: approx 18.7 lbs (Main unit only)
 - Power source: DC 12V (AC adapter: AC 100 to 240 V)
 - Power consumption: 30 W (AC adapter included)



- Axis 241S
- One video channel
 - MPEG-4 Part 2, Motion JPEG
 - Open API for software integration
 - Power: 7 – 20 V DC, max 8 W
 - Weight: 1.2 lbs
 - Included accessories: Power supply, mounting and connector kits, installation Guide, CD with installation and management tools, software and User's Manual, 1 Windows decoder user license
 - Connectors:
 - 1 BNC input and 1 BNC output: loopthrough or Y/C video input
 - RJ-45 10BaseT/100BaseTX
 - Terminal block: I/O terminal block for four configurable inputs/outputs
 - RS-485/ RS-422
 - D-sub for RS-232 port



- tvone-TASK 1T-C2-100
- Dimensions (H x W x D): 1.18" x 7.87" x 3.54"
 - Weight: 1.14 lbs
 - Power: 12 V DC @ 1A
 - Video inputs: BNC, 4-Pin Mini-DIN connector
 - Video outputs:
 - TV Standards: NTSC, PAL, PAL-M, PAL-N, SECAM
 - Impedance: 75Ω
 - BNC (x2), 4-PIN (x2), HD-15 Female connector (x1)



Installation Considerations:

- Data

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June 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Telepathology, Slide-Scanner

Equipment Number
1926

Manufacturer ----- Asperio ----- -----	Model ----- ScanScope CS ----- -----
---	---

- Further Description:
- Creates high quality digital slides
 - Automatically scans up to five slides
 - TIFF (SVS), CWS image file formats
 - JPEG image compression
 - Manage digital slides with Spectrum software
 - Scanning magnification: 20x and 40x
 - Barcode support
 - 23" High resolution LCD (1920 x 1080)



- Specifications:
- Line voltage: 100-240 VAC, 50/60 Hz
 - Dimensions: 318 (W) x 465 (D) x 502 (H) mm
 - Weight: 25 kg
 - Glass slide dimensions
 - 25 mm x 75 mm
 - 50 mm x 75 mm
 - Resolution
 - 20x: 0.50 µm/pixel
 - 40x: 0.25 µm/pixel
 - Scanning region
 - 26.3 (H) x 54 (W) mm
 - 50 (H) x 54 (W) mm (large format)
 - Data

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 28, 2008

Item Description
Television, w/ mount

Equipment Number
1653

Manufacturer ----- Sony ----- Panasonic	Model Number ----- -----
---	------------------------------------

Further Description:

- These units will be part of the Patient Education and Entertainment Systems or specified offices/rooms which will provide both cable TV and network education into selected public waiting/treatment areas.
- Selection of the monitor/TV and mounting system will be determined in coordination with the contractor/designer.



Specifications:

- Screen Size: depends on the need
- Resolution: HD
- PC Signal Compatibility VGA, WVGA, SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, WSXGA+, UXGA, WUXGA (WXGA and over resolution : compressed)
- Weight: approx. 70 lbs (30 Kg)
- Dimensions: Depends on the need
- Input / Output
- Power Requirements 110-127 V AC
- Power Consumption 150-400 W
- Power off condition 0.2 W



Further Description:

EXAMPLE:

- ceiling TV mount – CCM2333
- accommodates televisions up to 42" wide
- fixed 7 degree tilt
- heavy gauge steel with a black finish
- load limit: 220 lbs
- 25" long pipe required
- safety strap included
- swivel: 360 degrees
- Final Design and Layout will dictate type of support



Installation Considerations:

- Possible wall or ceiling mount

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Tester, Battery

Equipment Number
1751

Manufacturer ----- Cadex Electronics, Inc -----	Model Number ----- C7200 -----
---	--

Further Description:

- user-programmable, adjustable from 1.2V to 15V;
- 100mAh to 24Ah; up to 4A charge and discharge current per station;
- 2A on digital discharge. The charge and discharge currents are automatically scaled to lower C-rates on batteries with higher than 4Ah;
- intelligent power management protects overload conditions;
- accommodates nickel-cadmium, nickel-metal-hydride, lead-acid and lithium-ion. Batteries are tested against preset parameters;
- short and reverse polarity protected;
- multiple redundant full-charge detection
- tamper proof through security system.



Specification:

- 2 independent stations for simultaneous service of 2 batteries
- 100-240VAC, 50-60Hz; 1.5A max. line current
- dimensions:
length: 312 mm (12.1");
width: 240 mm (9.4");
height: 90 mm (3.5");
- weight: 3.2 kg (7.1 lb)

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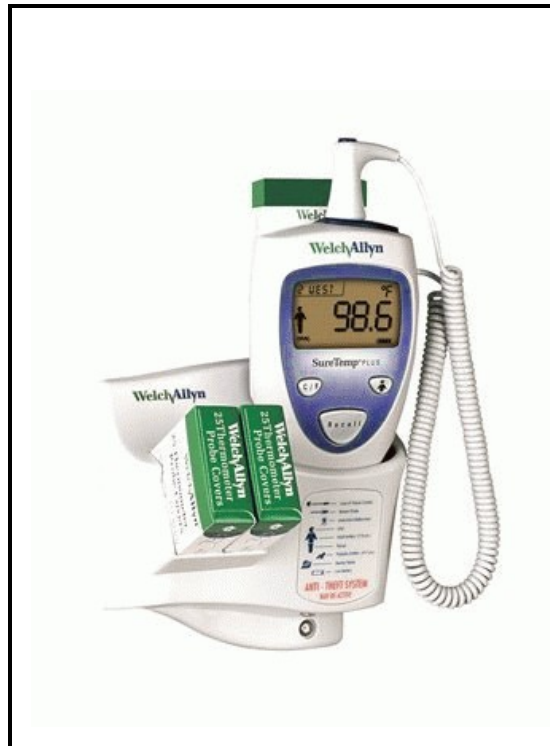
Item Description Thermometer
--

Equipment Number 1739

Manufacturer ----- Welch Allyn ----- -----	Model Number ----- SureTemp® Plus 692 ----- -----
---	--

Further Description:

- Ergonomic design - comfortable to hold
- Interchangeable, removable probe reduce the risk of cross-contamination
- Large LCD display with location identification capability
- Includes a 60-second pulse timer for counting pulses and respirations
- Mechanical or electronic security options to help prevent theft
- Takes approximately 5,000 readings on 3 "AA" batteries
- Wall mount standard with the SureTemp® Plus 692 model.



Specifications:

- Ambient Operating Temperature Range 50.0 °F to 104.0 °F (10.0 °C to 40.0°C)
- Operating Altitude -557 ft. to +16,000 ft / -170m to +4877m
- Patient Temperature Range 80.0 °F to 110.0 °F (26.7 °C to 43.3 °C)
- Temperature Predict Time* Oral: Approximately 4–6 secs.
- Adult axillary (18 years and older): Approximately 12–15 secs.
- Pediatric axillary (17 years and younger): Approximately 10–13 secs.
- Rectal: Approximately 10–13 secs.
- Transport/Storage Temperature -13°F to +131°F (-25°C to +55°C)
- Calibration Accuracy +/- 0.2 °F (0.1 °C) (Monitor Mode)
- Humidity 15% to 95% non-condensing
- Dimensions 8.46" x 3.18" x 2.43" (215mm x 81mm x 62mm)
- Weight 12.6 ounces/357 grams
- Power (3) 1.5Vdc AA batteries

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Tonometer

Equipment Number
2053

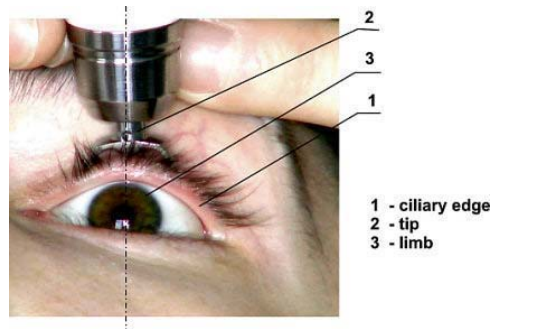
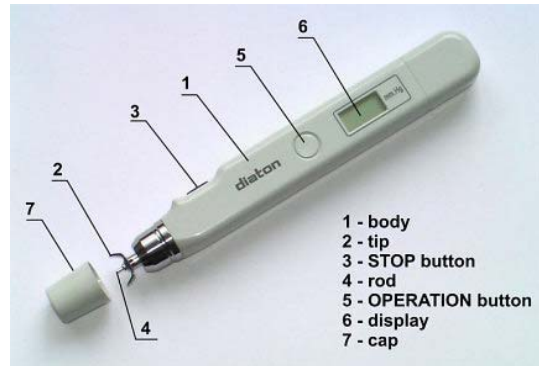
Manufacturer

Diaton

Model Number

Further Description:

- Screening examinations of the patients
- IOP control during selection of adequate medicines
- IOP measuring in the presence in a patient of chronically conjunctivitis, erosions, edema and cornea dimness
- IOP measuring in patients after corneal surgeries
- ophthalmotone day monitoring
- IOP measuring in immobilized patients and in children
- IOP measuring during contact correction (lenses are not taken out).
- No contact with the cornea
- Portability
- Displays independence from cornea's crookedness.
- Digital IOP indication
- Measurement in sitting position
- Measurement in reclining position
- Short-time measurement
- Sterilization is not required
- Anesthesia is not required



Specifications:

- Measurement range, mm Hg 5-60
- Measurement error Limit of the admissible measurement error in the range, not more:
 - from 5 to 20 mm Hg - ± 2 mm Hg;
 - from 20 to 60 mm Hg - $\pm 10\%$
- The time of a single measurement, s, not more 3
- Supply voltage, V 3
- Number of measurements using one battery set, not less 1500
- Service life, not less 8
- Weight, g 89
- Dimensions, mm, not more 174 x 26 x 20

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description Tourniquet	Equipment Number 1658
---------------------------------------	---------------------------------

Manufacturer ----- Zimmer ----- -----	Model ----- ATS 3000 ----- -----
--	---

- Further Description:**
- Dual-port and dual-cuff automatic tourniquet system
 - Microprocessor controls and dedicated ports for supplying and measuring pressure independently
 - LOP technology that senses, calculates, and reports the cuff pressure necessary to achieve complete blood occlusion in the operative limb
 - Self-check calibration
 - Cuff alert
 - Cuff-lockout
 - Four-hour battery backup
 - Color-coded cuffs
 - Carrying handle



- Specifications:**
- Mains Line Voltage Range: 100-240 V (AC) 50/60 Hz Auto Switching
 - Line Current: 670 mA RMS @ 120V (AC)
 - Input Power: 53 Watts typical
 - Battery Type: Rechargeable, 12V DC sealed lead acid, 4 amp hours
 - Power Cord: Type SJT, AWG 16, 14 ft
 - Power Plug: Hospital Grade, 3 prong straight blade, 15 amp
 - Line Protection: 2 time delayed, 1 amp 250 volt fuses
 - Size:
 - Height:: 13" (33.02 cm) Width: 9.5" (24.1cm) Depth: 10.375" (26.35 cm) (including clamp and ports)
 - Weight: 16.3 lbs (7.4 kg)
 - Displays: backlit ¼ panel LCD

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

February 2009

Item Description TPN Auto-compounder	Equipment Number 1382
--	---------------------------------

Manufacturer ----- Baxa ----- -----	Model Number ----- Exacta Mix 2400 ----- Micro Macro 12 compounder -----
--	---

- Further Description:
- Twenty-four (or 12)
 - Non-DEHP tubing
 - Low flush volume
 - Syringe source containers
 - Electronic Y-Site for high-volume ingredients
 - Air and occlusion detection
 - Delivers down to .2 mL
 - Touch screen technology



- Specification:
- Flow Rate: up to 16.6 mL/second
 - Minimum Pumping Volume: 0.2 mL
 - Exacta Mixer Repeatable Accuracy: +/-3% above 1 mL; +/- 5% at 0.4 mL; +/- 10% at 0.2 mL
 - Micro Macro Repeatable Accuracy: +/- 3% from 1 mL to 9990 mL
 - PC and software included.
 - 85 – 240 V, 50 – 60 Hz, AC RMS
 - 3-prong, detachable plug, hospital grade line cord
 - 3A, 250V, slow burn fuse rating

- Installation Considerations:
- Main Module 24 x 10 x 10" (61 x 25 x 25 cm) 43 lbs. (20 kg)
 - Display Module 11 x 5 x 9" (28 x 64 x 23 cm) 10 lbs. (5 kg)
 - Weigh Scale 13 x 8 x 10" (33 x 20 x 25 cm) 7 lbs. (32 kg)
 - System Footprint 28 x 19 x 12" (71 x 48 x 31 cm) 73 lbs. (33 kg)
 - Space required for holders
 - Locate close to sink
 - Needs to work under a Clean hood (6')
 - Network cable is required

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

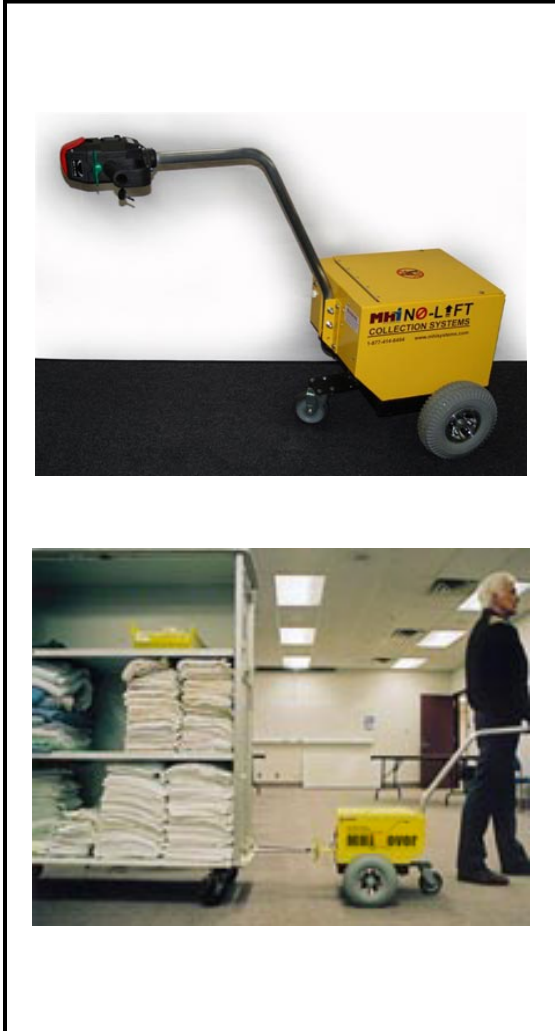
Item Description Two Motor

Equipment Number 2112

Manufacturer ----- MHI System -----	Model Number ----- MHI Mover -----
---	--

Further Description:

- Battery Powered
- Keyed Ignition
- Auto Parking Brake
- Dead-man switch
- MHI MOVER shuts down completely if operator allows it to come up against another object or person
- Horn
- Ergonomically designed handle and controls
- Allows operator to use the MHI MOVER in a safe neutral body position.
- 5 amp auto-charger Shuts off automatically when charging is complete
- Charge level indicator Operator
- Gel Cell Batteries No maintenance or spillage
- Forward & Reverse maneuverability
- Variable speed controls
- Interference shielded Electronics Will not interfere with or be affected by other electronic equipment
- Welded, heavy aluminum Body
- Powder Coated finish
- Aluminum hitch guard
- Non-marking tires (Will not leave marks on flooring)
- Standard 4000 lb Towing capacity (7000 lbs optional)
- In two models for indoor and outdoor use
- 2x12 V batteries



Specifications:

- Charger: 8 Amps (Use standard plugs)
- Motor 24V 0.75HP-Permanent Magnet
- Controller 24V/70A 4 Quadrant
- Batteries Sealed Lead Acid 75 A/H -12V
- Pulling Capacity 4,000 lbs (hard surface)
- Bullard Pull 141 lbs
- Weight 200 lbs (with batteries)
- Tire Pressure 25 pounds

Installation Consideration:

- Requires Charging/ docking station

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description:
Ultrasonic Cleaner

Equipment Number
1176

Manufacturer ----- Branson ----- -----	Model Number ----- 8510 ----- -----
---	--

Further Description:

- Digital Control Plus Heat & Timer
- Mechanical Timer Plus Heat
- Mechanical Timer
- Cover Included



Specifications:

- Overall Size 24" x 18" x 14.5"
- Tank Size 19.5" x 11.5" x 6"
- Weight 26 lbs
- Frequency 40 kHz
- 110-230 V

Building Considerations:

- Close to Ro water Supply and sink

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Ultrasound Workstation

Equipment Number
1244.2

Manufacturer ----- Siemens -----	Model ----- Syngo -----
--	---

Further Description:

In the constantly evolving ultrasound environment, only the tools that help clinicians work smarter, not harder, will accelerate workflow. syngo® US Workplace is an innovative off the system solution that stream-lines workflow, improves productivity, and provides instant access to DICOM compliant images, enabling sonographers to attain expert image acquisition at the patient bedside and clinicians to conveniently complete reporting and analysis at their workstations.

Syngo US Workplace features:

- Open access to DICOM compliant images and post-processing data from select Siemens and non- Siemens ultrasound systems
- Knowledge-based image assessment and computer-aided detection
- Novel clinical applications such as syngo® Velocity Vector Imaging™
- Advanced analytical tools with expanding clinical applications
- Ongoing software support and upgrades ensure cost-effectiveness and efficiency
- Flexible and scalable: From small private practices to large university hospitals with PACs, syngo US Workplace is a fully flexible and scalable clinical solution.

Image management options

- For workstation convenience, image management options such as syngo® Stress Echo Review, syngo® Cardiac Calc Package and syngo® Cardiac Reporting can be performed in a conventional workstation and reporting environment.
- Including LCD Monitors



Installation Considerations:

- Data line

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Ultrasound Unit

Equipment Number
1244

Manufacturer ----- GE ----- GE -----	Model ----- LOGIQ E9 ----- Vivid 7 Dimensions -----
---	--

Further Description:

LOGIQ E9

- Merge real-time ultrasound with previously acquired CT, MR, PET or ultrasound DICOM images.
- GPS helps you confidently find your way. Visually track your position during a scan
- Merge real-time ultrasound with previously acquired CT, MR or ultrasound images.
- Scan Assist thinks the way you do.
- This customizable scanning program knows the next step of a scan and does the little things for you

Vivid 7

- Cardiac
- 4D volume, in color, in real time.
- Advanced TSI for quantification.
- Easy-to-use wall-motion-analysis tools.
- Significant new breakthroughs add to the Vivid 7 Dimension's remarkable capabilities,
- Pushing ultrasound performance to unprecedented levels



Specifications:

Vivid 7:

- Dimensions (w/ 21" monitor): 137.5 (H) x 64.0 (W) x 90.0 (D) cm
- Weight (w/o peripherals): 183 kg

LOGIQ 9:

- Power Requirements: 100-120/220-240 VAC, 50/60 Hz, 1,200 VA maximum
- H x W x D, cm (in): [145-163] x 60 x 89 ([57.1-64.2] x 23.6 x 35)
- Weight, kg (lb) 185 (408), CRT; 171 (376), LCD

Installation consideration:

- Line voltage: 100-120 VAC, 50-60 Hz 10 A
- Data
- Essential power – depending on clinical application
- UPS – depending on clinical application
-

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

June 2009

Item Description Ultrasound Unit
--

Equipment Number 1244

Manufacturer ----- Philips ----- -----	Model ----- HD11 XE ----- iE33 -----
---	---

<p>Further Description:</p> <p><u>iE33</u></p> <ul style="list-style-type: none"> • Live 3D Cardiac Ultrasound <p><u>HD11 XE</u></p> <ul style="list-style-type: none"> • Clinical application covering cardiology, general imaging, vascular, OB/GYN • Options of 3D/4D, 3D fetal echo, stress echo, panoramic and contrast imaging • Imaging modes: M-mode, spectral Doppler, Pulsed wave, CW, colour, contrast imaging, THI, and many more. • Up to five active transducer ports • Flat panel 16.6" LCD monitor • Hard drive: 80 GB • DICOM 3.0 compliant • 10BaseT Ethernet connection • Exam documentation <ul style="list-style-type: none"> ○ Super VHS VCR ○ Digital colour printer ○ Digital B/W printer ○ Support for various HP printers ○ Export of data through USB and PS-232 port • 3-lead ECG input, one external ECG in



<p>Specifications:</p> <p><u>HD11 XE</u></p> <ul style="list-style-type: none"> • Line Voltage: 100-120 V, 50/60 Hz • Power consumption: 750-1000 VA • Physical Dimensions: 53.2 (W) x 110.5 (D) x 151.1-173.9 (H) cm • Ground clearance: 10.2 cm • Control panel height (adjustable): 173.9 cm • Weight: 100 kg
--

<p>Installation consideration:</p> <ul style="list-style-type: none"> • Line voltage: 100-120 VAC, 50-60 Hz 10A • Data • Essential power – depending on clinical application • UPS – depending on clinical application
--

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 28, 2008

Item Description Ultrasound Unit
--

Equipment Number 1244

Manufacturer ----- Toshiba ----- -----	Model ----- Xario XG ----- -----
---	---

- Further Description:**
- Provides detailed information on abdominal organs, superficial organs, heart, blood vessels, and blood flow
 - Scan methods: Linear, sector, convex, trapezoid scans
 - Measurement Modes: B-mode, M-mode, spectrum Doppler, color Doppler, contrast imaging, 3D, 4D, stress echo
 - Signal I/O:
 - Transducer connectors: 3
 - Pencil Transducer connector: 1
 - External USB: 4 channels
 - Ethernet: 10/100 BT, 1 channel
 - Monitor: 19 inch, 1280x1024 resolution
 - Image memory: 256 MB
 - Recording functions (options)
 - B/W or color printing
 - ½ inch S-VHS
 - DVD-video
 - DICOM 3.0 compatible



- Specifications:**
- Line Voltage: 120 VAC, 50/60 Hz
 - Power consumption: 1.5 kVA
 - Dimensions: 540 (L) x 1427-1784 (H) X 898 (W)
 - Weight: 143 kg
- For more information, refer to the attached datasheet.

- Installation Considerations:**
- Essential power – depending on clinical application
 - UPS – depending on clinical application
 - Data
 - 110V 10A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

April 15, 2005

Item Description
Ultrasound Unit

Equipment Number
1244

Manufacturer ----- Siemens ----- -----	Model ----- ACUSON SC2000 ----- ACUSON S2000 -----
---	---

Further Description:

- Unparalleled information rate
- Knowledge-based workflow
- Adaptive ergonomics
- Innovative technologies and applications
- Unparalleled Information Rate
- Full volume imaging, 90 degrees x 90 degrees up to 40 volumes per second at 16 cm depth. Over 540 volumes per second at maximum information rate. No more ECG gating, no more breath holding and uncertainty. Derived reference plane images from the real-time full volume cardiac dataset give you more information in less time.
- Instantaneous volume imaging—up to 40 full volumes per second at 16 cm depth—for a whole new standard of diagnostic confidence



Installation Considerations:

- Essential power – depending on clinical application
- UPS – depending on clinical application
- Data
- 110 V 10A

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

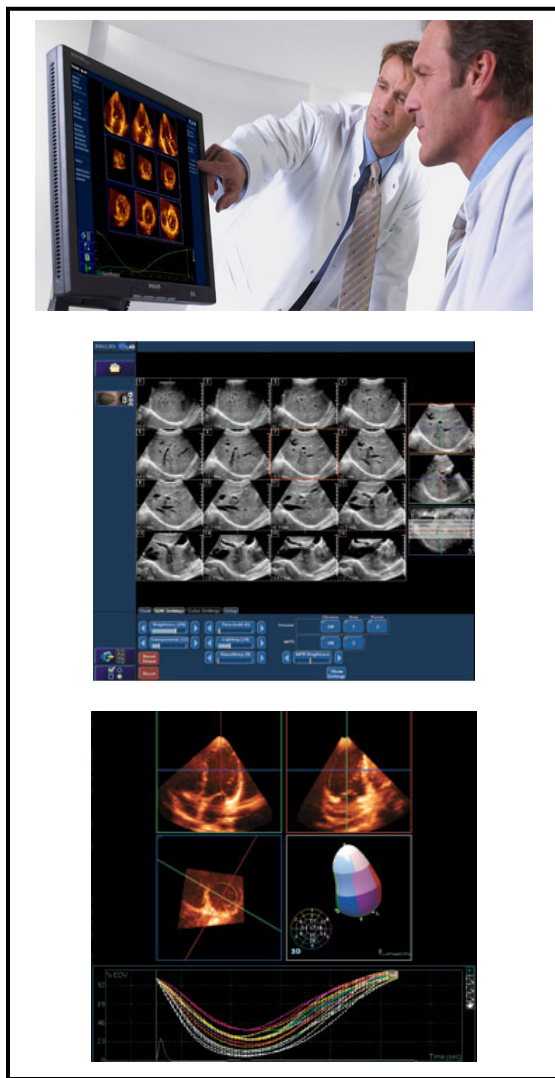
July 2008

Item Description
Ultrasound Workstation

Equipment Number
1244.2

Manufacturer ----- Philips ----- -----	Model ----- QLAB ----- -----
---	---

- Further Description:**
- Review and quantification of Philips ultrasound systems image files
 - Graphic image file creation in BMP, TIF, JPG and AVI formats
 - Remove patient information from QLAB screens and prior to exporting new files
 - Exportation of quantification results data into Excel compatible spreadsheet format
 - Upgradeable with add-on plug-ins at any time to expand your capabilities from the existing options, or add new ones as they become available
 - Compatible with Philips ultrasound image formats*
 - Quick and easy access to clinical files and results
 - Mitral Valve 3D Quantification—MVQ
 - Cardiac 3D Quantification—3DQ
 - Advanced Cardiac 3D Quantification—3DQ Advanced
 - General Imaging 3D Quantification—GI 3DQ
 - Advanced Tissue Motion 2D Quantification—TMQ Advanced
 - Tissue Motion 2D Quantification—TMQ
 - Cardiac 2D Quantification—2DQ*
 - Strain Quantification—SQ
 - Parametric Quantification—PQ
 - Region of Interest quantification—ROI
 - Intima Media Thickness automated measurement—IMT
 - MicroVascular Imaging—MVI
 - Including LCD Monitors
- *This plug-in is only available on the HD11 XE



- Installation Considerations:**
- Data line

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Ultrasound Workstation

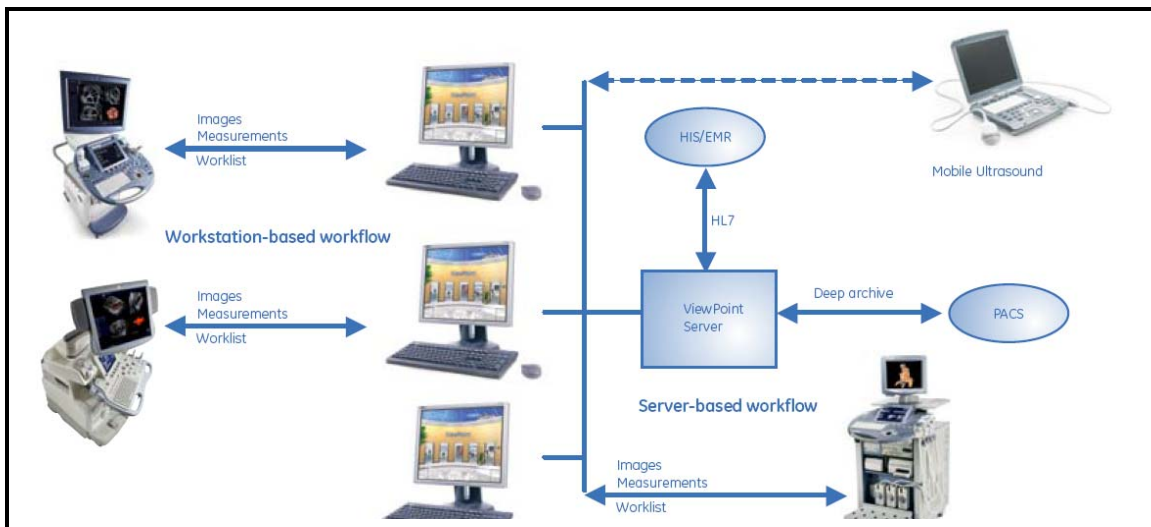
Equipment Number
1244.2

Manufacturer ----- GE -----	Model ----- PointView -----
---	---

- Further Description:
- Create quick and accurate reports
 - Generate customizable structured reports
 - Benefit from digital patient records
 - Utilize flexible digital image storage
 - Streamline accreditation with customizable data-mining
 - Connect multiple ultrasound machines to one server
 - Connect multiple sites to one network
 - Exchange patient data with EMR, HIS/RIS and other IT systems
 - Use advanced post-processing applications for volume review
 - Enjoy flexible workflow and enhanced productivity by reading exams at a workstation
 - Choose from multiple options for document management, including fax, PDF and DICOM formats
 - Simultaneously review image and report data
 - Fast image review via Study List
 - Including LCD Monitors



- Installation Considerations:
- Data line



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

October 2009

Item Description
Ultrasound, portable

Equipment Number
1669

Manufacturer ----- Sonosite ----- GE ----- BARD	Model ----- M-Turbo ----- LOGIQ e ----- Site rite 6
--	--



Further Description:

- Cardiac
- OB/Gyn/Fertility
- Vascular
- IMT (Intima Media Thickness): Embedded SonoCalc® IMT software - automatic edge detection
- Information management: 8GB internal storage.
- Supported Peripheral Devices: B&W video printer, DVI recorder, Bar Code Reader

System Specifications:

- System Weight: 6.7 lbs (3.04 kg) (without battery and transducer)
- Dimensions: 11.9" L x 10.8" W x 3.1"H (30.2 cm L x 27.4 cm W x 7.9 cm H)
- Display: 10.4" (26.4 cm) diagonal LCD (NTSC or PAL)
- Connectivity: 2 USB 2.0 ports, Ethernet port, RS-232, Digital Video Interface (DVI), S-Video(in out), and composite video out.
- USB Storage Formats: MPEG-4 (H.264), JPEG, BMP. Compatible with Mac and PC formats.



Further Description:

- Laptop style
- Integrated HDD (80GB)
- Lithium-Ion battery Pack (standard)
- Wired, wireless LAN support
 - Dicom communication
 - Network storage
- USB ECG (AHA/IEC) (optional) Support
- 15 inch high resolution color LCD
- Integrated speakers

System Specifications:

- Dimensions and weight:
 - Height: 2.49" (Console only), 3.12" (with handle)
 - Width: 13.88"
 - Depth: 11.71" (console only), 13.35 (with handle)
 - Weight: with battery: approx 4.6kg (10.1 lb)
- 100 – 240 V AC, 50/60Hz, max 130VA with peripherals

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Further Description:

- 4 image options for a sharper or smoother image
- Vessel wall sharpening
- Vascular access image depths
- Superficial 1.5 cm image depth for shallow imaging including pediatric placements
- Deep 6 cm image depth for deeper needle guidance including bariatric patients
- Ability to input patient information
- Intuitive and easy-to-use control buttons
- 60-minute internal battery
- Vascular access probe
- Solid state vascular access probe
- Buttons located on the probe allow control, including printing, from within the sterile field
- Integrated carrying handle for increased portability
- Locking drawer for sharps and drugs
- Flat workspace for increased flexibility during bedside vascular access device placement
- Vertical file for medical files and patient charts
- Large storage bins for transport of needle guide supplies used in vascular access device placement
- 2.5 hour external battery and A/C adapter
- Large wheels for negotiating elevator transitions and other obstacles

Safety and Efficacy for Central Venous Access

- The Site~Rite* 6 Ultrasound System conforms to the Agency for Healthcare Research and Quality (AHRQ) recommendations for the use of real time ultrasound for central line placement¹.

Specifications:

- Dimensions: 12" W x 13" H x 5" D
- Weight: 10 lbs.
- Power Sources: A/C adapter, Internal and External DC Battery Pack
- Power Consumption: 84 Watts Maximum
- Monitor Size: 12.1" diagonal
- IEC 60601-1: Class I, Type BF Applied Part,

Installation Considerations:

- Data



Item Description
Vein Finders

Equipment Number
14-346

Manufacturer

Christie Medical

Model Number

VeinViewer Vision

- Further Description:**
- Projects a real time digital image of patient vasculature directly onto the surface of the skin
 - Principle of Operation: Near-infrared light is absorbed by hemoglobin in the blood but reflected by surrounding tissue
 - Reduce the number of attempts to start an IV
 - Reduce IV start time
 - Visualizing veins up to 10mm deep.
 - Does not use consumables
 - Does not need to contact patient
 - Does not have eye safety, heat, or radiation hazards
 - IR wavelength, peak: approximately 760 nm
 - Visible wavelength, peak: approximately 530 nm
 - Safety Class: 1A
 - Basket for supplies

- Specifications:**
- Dimensions and weight:
- Weight: 25kg
 - Height: 150 cm
 - Base Dimensions: 55.9 x 55.9 cm
 -
- Electrical:
- Power: 100-240 VAC
 - 1.2 to 0.6 A
 - 50-60 Hz
 - Duty cycle: continuous
 - Operating temperature: +16 - +30 ° C
 - Operating Humidity: 10-90% non-condensing
 - Battery: Rechargeable 6-cell Li-ion



This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Ventilator, Intensive Care

Equipment Number
1677

Manufacturer	Model Number
----- PURITAN BENNETT -----	----- P840 -----
----- Cardinal Health/Care Fusion/Viasys -----	----- Avea , 3100B -----

Further Description:

PURITAN BENNETT

- High performance pneumatics, dual-microprocessor electronics and DualView™ touchscreens.
- Upgradeable
- Enhanced noninvasive ventilation (NIV)
- Seamless Communications – The 840 Ventilator supports communication with all major patient monitoring and hospital information systems

AVEA

- Precision gas delivery system supplies from 2 ml/s or 2.5 L. A patented three-stage flow sensor employed in a closed loop feedback algorithm provides precise flow metering as low as 0.4 L/min.
- Battery power for two hours in the event of a power loss or during intra-hospital transport.
- Heliox delivery.

3100B

- High Frequency Oscillatory Ventilators
- Is approved for the treatment of acute respiratory failure in adults and large children weighing more than 35 kilograms



Specifications:

PURITAN BENNETT

- Weigh (including cart and compressor): 71 kg
- Cart (H x W x D) mm : 998 x 582 x 602
- Breathe Delivery Unit (H x W x D) mm: 330 x 457 x 254

AVEA

- Weight Ventilator and Compressor (internal)90 lb or 40,8 kg
- Pneumatic Module size: 43,2 cm x 26,7 cm x 40,6 cm
- User Interface Module size: 41,3 cm x 35 cm x 6,4 cm
- Monitor Viewable Size:12.1 in. (diagonal)

3100B

- H x W x D: 53.8 in. (136.7 cm) 18.6 in. (47.2 cm) x 11.4 in. (29 cm)
- Weight" 143 lbs. (65 kg)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Ventilator, Infant	Equipment Number 1676
---	---------------------------------

Manufacturer ----- Heinen + Lowenstein ----- Cardinal Health/ Care Fusion/ Viasys -----	Model Number ----- Leoni Plus ----- 3100A (SensorMedics) -----
--	---

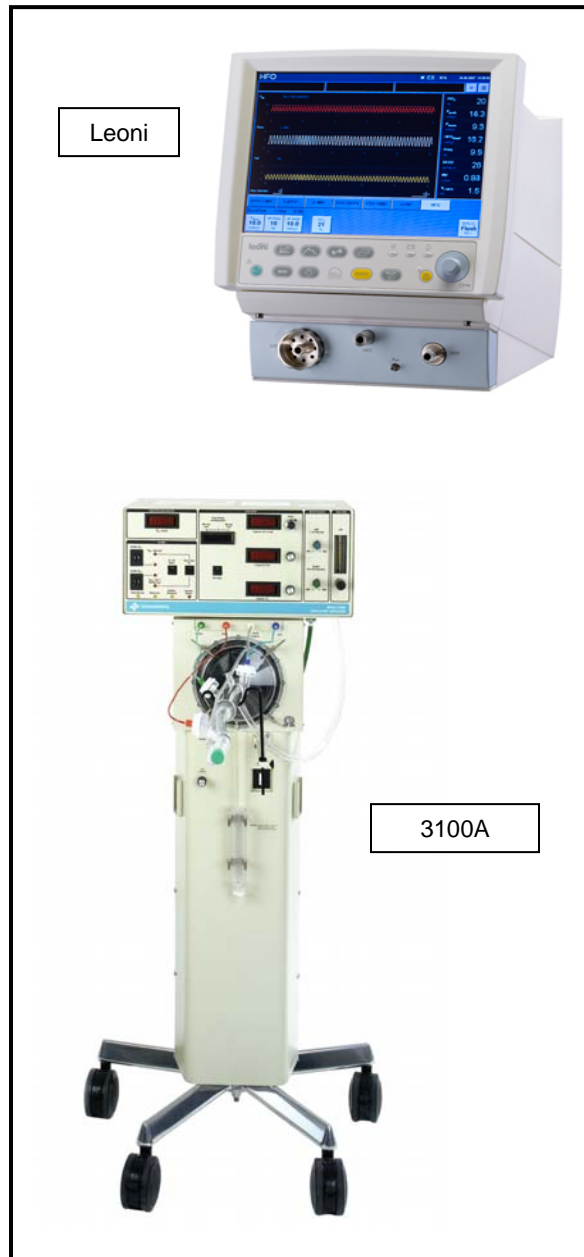
Further Description:

LEONI

- Leoni Plus is suitable for long-term ventilation of very small premis, neonates and children with a weight of up to 30 kg
- The unit offers CPAP, IPPV/IMV, ASSIST and SIMV via PSV and volume-controlled ventilation.
- Automatic adaptation of the trigger sensitivity relative to the tidal volume of the patient (VT trigger adaptation). The extremely powerful, integrated HFO module Leoni HFO works according to the diaphragm principle and is suitable for patients up to 5 kg Frequency range is between 4 and 20 Hertz.

3100A

- High Frequency Oscillatory Ventilator.
- Provides the lung protection by inflating the lung with a continuous distending pressure and superimposing very small pressure and volume swings.



Performance Specifications:

LEONI

- W x H x D: 35 x 19 x 34 Cm
- Weight: 6 Kg
- Power 100-240 V

3100A

- H x W x D 53.8 in. (136.7 cm) x 18.6 in. (47.2 cm) x 11.4 in. (29 cm)
- Weight: 143 lbs. (65 kg)

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

July 2009

Item Description Ventilator, BiPAP-Sipap	Equipment Number 1049
---	--------------------------

Manufacturer ----- PHILIPS/ Resironics ----- Cardinal Health/ Care Fusion/Viasys -----	Model Number ----- BiPAP Vision ----- SiPAP -----
---	--

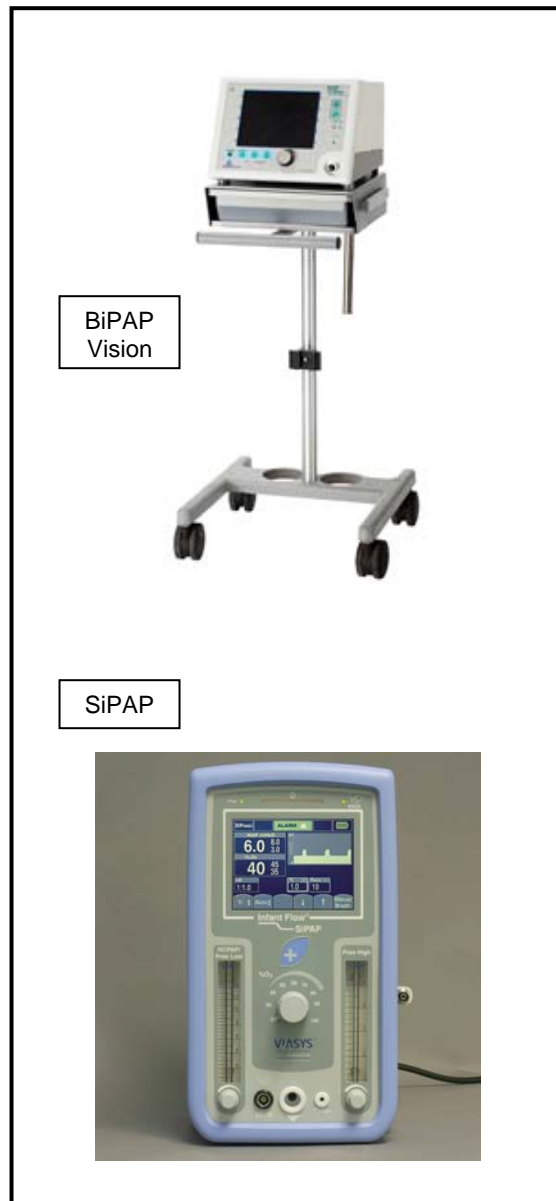
Further Description:

BiPAP

- Integrated Display Screen
- Monitoring Screen, Parameters Screen, Alarms Screen, Change Mode Screen
- Oxygen Module, Alarm Module
- Auto Track Sensitivity
- Proximal Pressure Regulation

SiPAP

- CPAP therapy should deliver a constant, stable pressure to the infant's airways, facilitating restoration of FRC and correction of hypoxemia.



Specifications:

BiPAP

- Dimensions (L x W x H) Cm : 40.6 x 36.5 x 27
- Weight: 15.4 kg
- Voltage: 110V, 3A

SiPAP

- 100 - 230 VAC; Consumption 50 VA maximum
- 12 VDC (Sealed lead acid battery) - 2 hour life with full charge
- Dimensions/Weight (Driver only)
- Dimensions: 26 cm X 38 cm X 23.5 cm
10.25 in. X 15 in. X 9.25 in.
- Weight: 8.8 kg 19.5 lbs

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Attachment 2 to Appendix 2E Equipment Data Sheets (Surrey Memorial Hospital Project) Final Draft Project Agreement

Item Description
Ventilator, Portable/Homecare

Equipment Number
1677.2

Manufacturer ----- Covidien ----- -----	Model Number ----- Puritan Bennett 560 ----- -----
--	---

- Further Description:**
- Internal lithium ion battery
 - Up to 11 hours of ventilator operation (depending on settings and other factors).*
 - Real-time battery life indicator
 - Data portability is enabled via a USB memory device.
 - The USB memory device is used to transfer patient data from a home ventilator to a clinician's computer.
 - Ventilator parameters and alarm settings are linked to reduce the risk of clinically inappropriate settings.
 - Oxygen enrichment is available using a low pressure oxygen source.
 - Utilize a measurement kit to monitor FiO2 levels.
 - Alarms Adjustable alarm sound level (65-85 dBA at 1 meter)



- Specifications:**
- Weight: 4.5 kg
 - Dimensions 23.5 cm W x 31.5 cm D x 15.4 cm H
 - Noise < 30 dBA at 1 m
- Electrical Characteristics
- Power supply AC : 100 - 240 VAC, 50/60 Hz DC : 12 – 30 VDC
 - Power usage 180 VA max
 - Internal battery lithium ion, 25.2 V, 4.4 Ah
 - USB compatibility USB flash memory USB 2.0 or USB 1.1
 - USB memory file format USB 32 bit format (sector size: 512–2,048 bytes)
- Environment
- Operating
 - Temperature +5° C to 40° C (-40° F to 104° F)
 - Humidity 10% to 95% RH
 - Atmospheric pressure 8.7 psi to 16.0 psi (600 hPa to 1100 hPa)
 - Storage
 - Temperature -40° C to +70° C (-40° F to 158° F)
 - Humidity 10% to 95% RH

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description Ventilator, Transport	Equipment Number 1660
--	---------------------------------

Manufacturer Pulmonetic Systems	Model Number LTV 1200
----- Pulmonetic Systems	----- 10900 (External Battery Kit)
-----	-----

Further Description:

Ventilator Type:

- Positive Pressure
- Invasive Modes:
Volume-controlled modes --- ASSIST/CONTROL SIMV (PSV)
Pressure-controlled modes --- ASSIST/CONTROL SIMV (PSV) CPAP
- Non-Invasive Modes:
Volume-controlled modes: ASSIST/CONTROL SIMV SPONT. Pressure-controlled modes: ASSIST/CONTROL SIMV SPONT
- Conventional

3-Hour External Battery Kit (soft bag) includes:

- P/N 11475, Battery, 12 Volt, 12 Amp Hr
- P/N 11330, Padded Battery Bag with Cable
- P/N 10801, External Battery Charger
- P/N 10802, External Battery DC Cord



Specifications:

Operating Range of Controls

- Breath Rate: 0 to 80 BPM
- Tidal Volume: 50 to 2000 ml
- Inspiratory Time: 0.3 to 9.9 sec
- Pressure Control: 1 to 99 cmH2O
- Pressure Support: Off, 1 to 60 cmH2O
- Sensitivity: Off, 1 to 9 lpm
- % O2: High pressure source: 21% to 100%
- Bias Flow: 10 lpm during exhalation
- PEEP/CPAP: 0 to 20 cmH2O

Alarms

- Alarm Silence/Reset: 60 seconds
- High Pressure Audible Alarm Delay: No Delay, 1 Breath, 2 Breaths

Alarm Controls

- Apnea Interval: 10 to 60 seconds
- High Pressure Limit: 5 to 100 cmH2O
- Low Peak Pressure: Off, 1 to 60 cmH2O
- Low Minute Volume: Off, 0.1 to 99 liters
- Alarm Volume: 60 to 85 dBA at 1 meter

Installation considerations:

- Weight: 6.5 Kg
- Dimension: H x W x L (Cm) 8.4 x 27 x 38

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

August 2009

Item Description
View box, Lighted

Equipment Number
2014

Manufacturer ----- Slim-Line™ Fluorescent Light Panels ----- -----	Model Number ----- CL5000P ----- -----
---	---

Further Description:

- The Slim-Line™ Series Fluorescent Light Panels are versatile back-light panels that provide extremely uniform, flicker-free illumination across the viewing screen. They provide uniform back-lighting required in machine vision applications. They are also designed to suit a variety of applications including film and paper examination, frame grabbing, and product sample inspection. The small package size of the units also makes them ideal for use in presentations and applications requiring portable back-lighting.
- The Slim-Line™ Series Fluorescent Light Panels utilize cold cathode fluorescent lamp technology. This permits the light panels to be powered by low power sources including batteries for portable use on the CL5000P light panel. This technology maximizes the system efficacy (lumens per watt). They use 10,000 hour long-life cold cathode cool-white fluorescent lamps to uniformly illuminate the viewing screen. The lamps are driven with high frequency electronic ballasts to provide flicker-free illumination of the specimen.



Performance Specification:

- Input Power: 2.7 Watts
- Input Voltage 6VDC
- Output Voltage 12 VDC
- Lamp Type: (2) 2.6mm cold cathode tubes
- Color Temperature: 5000K (+270K, -250K)
- Lamp Life: 10,000 hours
- Operating Temperature: 41 to 95°F (5 to 35°C)
- Weight: ¼ lb

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
View Box, X-Ray

Equipment Number
1901

Manufacturer ----- Brandt Industries -----	Model Number ----- #49221 -----
Deluxe X-Ray Wall Mounted Illuminator - Single Level, 1 Bank -----	

Further Description:

- Dimensions (H x W x D): 21 in x 14.5 in x 3.5 in
- Two, 15W fluorescent tubes



Further Description:

- fabricated specifically to order
- high luster, white powder coated, all steel construction with a one piece Plexiglas viewing panel
- screen is easily removed without tools for quick access to lamps
- furnished with an instant start ballast and a self-adjusting gravity roller grip which holds x-rays securely in place

Installation Consideration:

- Power 110 V

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

Item Description
Vital Stimulator (EMS)

Equipment Number
2056

Manufacturer

Koalarty Products

Model Number

EMS 7500

Further Description:

- Channels: Dual Channel, isolated between channels
- Pulse Amplitude: Adjustable, 0-100 mA peak into 500 ohm load each channel.
- Voltage: 0 - 50V (Load: 500 ohm)
- Pulse Rate: Adjustable, from 2 to 150 Hz, 1 Hz/step
- Pulse Width: Adjustable, from 50 to 300 microseconds, 10uS/step
- Wave Form: Asymmetrical Bi-Phasic Square Pulse
- On Time: Adjustable, 2~90 seconds , 1 Sec./step
- Off Time: Adjustable, 2~90 seconds , 1 Sec./step
- Ramp Time: Adjustable, 1~8 seconds, 1 Sec./step, The "On" time will increase and decrease in the setting value.
- 3 Modes: Constant ,Synchronous, Alternate
- Patient Compliance Meter: This unit can store 60 sets of operation records. Total recorded time is 999 hours.
- Timer: Adjustable, from 5 to 60 minutes or Continuous. Adjustable in 5 minutes each step. Treatment time countdown automatically.
- 3 Year Manufacturer Warranty
- System Includes: Stimulator, Lead Wires, 1 package of high quality Self-Adhesive Electrodes, 9V Battery, Hard Plastic Carrying Case, Instruction Booklet.



Specifications:

- Power source One 9 Volt Battery.
- Size 10.1cm(L) x 6.1cm(W) x 2.45cm(H)
- Weight 150 grams with battery.

This information is provided for planning purposes only and is not to be relied upon. Final installation specifications are dependent upon selected supplier's shop drawings.

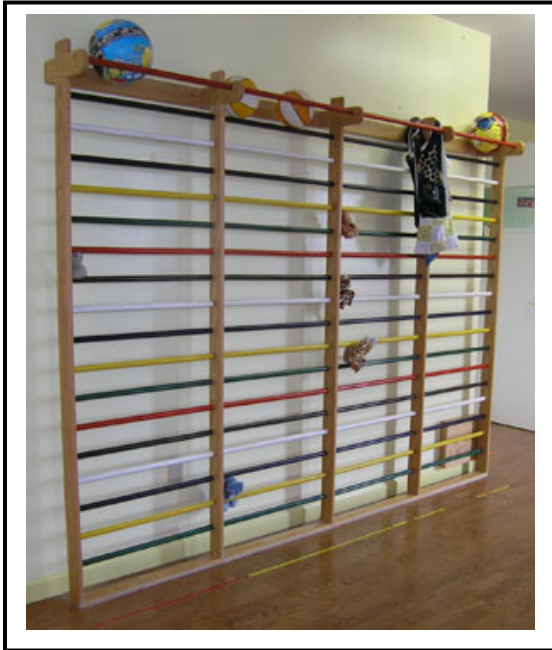
October 2009

Item Description Wall bars	Equipment Number 1644.3
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Manufacturer ----- EMS Physio Ltd ----- -----	Model Number ----- ----- -----
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Further Description:

- Solid Ozark red oak construction. Roughly 8' wide by 6"4 tall. Typically made in one piece but can be designed in 2' sections and sent via UPS or by truck line.



Installation Considerations:

- Wall mounted

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Item Description
Infant Warmer

Equipment Number
1694

Manufacturer Hill Rom Air Shields ----- GE -----	Model Number Resuscitaire ----- Panda iRes -----
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Further Description:

Resuscitaire:

- Configuration: integral bassinet
- Automatic or manual heat control
- Horizontal LED bar heat indicator
- Digital temperature display (°C, °F) for set point and skin temperature
- Audible and visual alarms
- Input voltage: 100-240 VAC
- Exam light, drawers, shelves
- Servo-control mode with skin-temp display and a skin-temp probe jack
- Automatic self test
- Resuscitation equipment package
- Apgar timer
- Audible and Visual alarms include sensor disconnect, power failure, temp.
- Time alarm for manual mode
- 4 castors with brakes

Panda iRes:

- Warm-up with no nuisance alarms
- Integrated resuscitation
- Integrated SpO2
- Integrated scale
- Multiple drawer packages for optimal storage
- Elevating base
- Integrated X-ray cassette tray
- Wood accents and drawers



Resuscitaire

Panda iRes

Performance Specifications:

Resuscitaire:

- Radiant heat source: 740 W
- W x D x H (Cm): 74.9 x 114.9 x 190.5
- Weight : 91-118 kg
- 110-240 V

Panda iRes:

- Total Max power: 520 W
- W x D x H (Cm): 63.5 x 119.4 x (193-218)
- Weight: 100 kg
- 110-240 V

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August 2009