

**THE NEW SURREY HOSPITAL  
AND  
BC CANCER CENTRE PROJECT**

**Schedule 1 – Statement of Requirements**

**Appendix 1X – Warranty Requirements**

## APPENDIX 1X – WARRANTY REQUIREMENTS

1. Provide extended warranties for the Work against defects and deficiencies as set out in Table 1 below. Promptly correct defects or deficiencies which become apparent within the warranty periods, to satisfaction of the Authority and at no expense to Authority.
2. Commencement of the extended warranty periods will be from the Substantial Completion Date as set out in the Agreement.
3. The Design-Builder will secure such extended warranties from the Subcontractors and furnish them to the Authority before Substantial Completion of the Project.
4. All extended warranties will be bound into the operations and maintenance manuals and assigned to the Authority.
5. Warranties will include only through OEM certified/approved service providers with OEM parts.
6. The warranty requirements listed in Table 1 is not intended to be an exhaustive list of all materials, parts and components to be used in the Facility. The Design-Builder will provide similar, manufacturer's standard extended warranties for alternate or additional items intended for a similar purpose to those items listed below and as determined in consultation with the Authority during the detailed design process.

<b>Table 1. Warranty Requirements</b>		
<b>Schedule 1 Reference</b>	<b>Specification Section</b>	<b>Warranty</b> Materials and Labour, UNO
Architectural		
6.4.4	04 42 10 Composite Stone Veneer	5 years - material only
6.7.1	07 11 51 Liquid Applied Foundation Waterproofing	10 years
6.7.2	07 13 26 Self-Adhering Sheet Membrane Foundation Waterproofing	10 years
6.7.3	07 13 52 Modified Bituminous Sheet Waterproofing	10 years
6.7.7	07 21 13 Foundation Insulation - extruded polystyrene	15 years - material only
6.7.8	07 21 19 Cavity Insulation - mineral wool	30 years – material only
6.7.11	07 27 00 Air Barrier	5 years – material only
Appendix 1S	07 31 13 Fiberglass Reinforced Asphalt Shingles	15 years
6.7.13	07 42 16 Metal Plate Cladding	10 years – material only
6.7.9	07 42 13 Aluminum Composite Material (ACM)	10 years – material only
6.7.14	07 42 29 Terracotta Cladding Panels	15 years – material only
6.7.15	07 42 42 Cementitious Cladding	20 years – material only

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<b>Schedule 1 Reference</b>	<b>Specification Section</b>	<b>Warranty Materials and Labour, UNO</b>
6.7.16	07 42 43 Wood Faced Phenolic Panels	10 years - material only, vertical installation
6.7.19	07 52 16 SBS Modified Bitumen Roofing	15 years RCABC
6.7.20	07 55 00 Protected Membrane Roofing Hot Rubberized Asphalt	10 years RCABC
6.8.16	08 44 13 Aluminum Work	5 years
Appendix 1S	08 53 13 Aluminum Clad Vinyl Windows	10 years - material only
6.8.18	08 80 00 Glass & Glazing	10 years
6.9.7	09 65 16 Resilient Sheet Flooring  RSF Rubber Sheet Flooring  SDRF Static-Dissipative Rubber Flooring  SDVF Static-Dissipative Vinyl Flooring  RAF Rubber Athletic Flooring  VSF Vinyl Sheet Flooring  WSVF Wetroom Safety Vinyl Flooring  Anti-Static Linoleum Flooring	  5 years - material only  5 years + 10 years ESD - material only  10 years - material only  10 years - material only  10 years - material only  5 years - material only  10 years - material only
6.9.12	09 72 00 Digitally Printed Wallcovering	5 years - material only
6.9.13	09 72 17 Hygienic & Protective Wallcoverings  ESRP Extruded Semi-Rigid PVCu  PVW Protective Vinyl Wallcovering  WSSP Wetwall Solid Surface Panels  VWW Wetwall Vinyl Wallcovering	  10 years - material only  10 years - material only  15 years - material only  5 years - material only
6.10.6	10 26 00 Wall and Door Protection RHIS Rigid High Impact Sheet	5 years - material only
6.12.1	12 24 13 Roller Window Shades	5 years
<b>Mechanical</b>		
6.16.14	Walk-In Cold Rooms, Freezers and Refrigerators All compressors.	5 years

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<b>Schedule 1 Reference</b>	<b>Specification Section</b>	<b>Warranty Materials and Labour, UNO</b>
7.3.1	Fire Protection: VFD's	3 years
7.3.1	Fire Protection: Victaulic grooved mechanical connections or approved alternate	25 years
7.4.2	Plumbing: All compressors and associated packaged systems All electrical motors All pump seals	5 years
7.4.2	Plumbing: VFD's	3 years
7.4.2.3	RO packaged systems	5 years
7.4.2.3(1)(e)	Adiabatic Humidification System	5 years
7.4.2	Plumbing: Victaulic grooved mechanical connections or approved alternate	25 years
7.5	HVAC: All compressors and associated packaged systems All electrical motors All Pump seals	5 years
7.5	HVAC: VFD's	3 years
7.5	HVAC: Victaulic grooved mechanical connections or approved alternate	25 years
7.5.2.2	Hydronic Electric Heating Boilers	5 years
7.5.3.3	Steam Electric Boilers	5 years
7.5.11.1(20)	Enthalpy recovery wheels	5 years
7.6.3	BMS (including all components covered in Section 7.6 "Integration Automation" Div 25)	5 years
<b>Electrical</b>		
7.7	26 13 18 (to 25kV), 26 24 13.02, 26 18 41 High Voltage Switchgear (including ATS and Synchronizing Equipment)	3 years
7.7	26 05 14, 26 05 21, 26 05 22 High Voltage Cabling and terminations	10 years
7.7	26 05 21, 26 05 22 Low Voltage Cabling and terminations on 600V Distribution	10 years
7.7	26 32 13 High Voltage Generators	5 years
7.7.4.1(7)	26 32 13 Sub-base Diesel Fuel Tank (of Packaged Diesel Engine Generator)	5 years

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7.7	26 12 13 or 16 Power Transformers	5 years
7.7	26 28 16.01 High Voltage Breakers and Air Circuit Breakers	3 years
7.7	26 51 19 LED Interior Lighting	5 years
7.7	26 33 53 (see notes below) UPS (Clinical and IM/IT) Lithium Batteries	5 years 10 years
7.7	26 50 00, 26 09 43 Lighting and Lighting Controls	5 years
7.7	26 09 23.01 Digital Metering System	3 years
7.7	26 23 00 600V and 208V Distribution	3 years
7.7	26 12 16.01 Distribution Transformers	5 years
7.7	26 05 28 High Resistance Ground system	3 years
7.7	26 35 33 Power Factor Correction System	3 years
<b>Communications</b>		
7.8.15	Video Projectors	3 years
7.8.15	Complete DVLED Solution for the Command Centre	3 years
7.8.16	Interactive Digital Wayfinding Kiosks	3 years
7.8.20	Nurse Call Systems	5 years

**Notes:**

1. Provide five-year parts and labour warranty on the UPS and battery system including 24-hr support, seven days a week.
2. Included in this warranty will be one (1) minor and one (1) major preventative maintenance visit per year.
3. All warranty work, including battery replacement, will be performed by trained technicians from the approved manufacturer's service organization.
4. The lithium battery manufacturer will provide a performance warranty of ten (10) years. Cells will hold 80% capacity during first 10 years and replacements will be covered under this warranty for year 6 to 10. For other parts, labour is excluded after five (5) years.