APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template Index					
Room Template #	Room Template Name	Space Descriptions / Variants	Applies to SoA Ref. Numbers	CSA Z32 Classification	Data Density
1	Exam Rooms	Clinical Trials Area	J4.1.2	Basic Care	Medium
		Exam Room	C4.2.2.3, D4.1.1, **F2.2.6, F2.3.5, F2.4.2**, K1.2.3, G1.5.11		
		Exam Room - ABR	H2.2.2.5		
		Exam Room - CIS	H2.2.2.8		
		Exam Room - Dermatology	H1.5.2.5		
		Exam Room - First Aid Clinic Nurse	O6.1		
		Exam Room - Large	H1.1.2.4, H1.2.2.2, H1.3.2.5, H1.4.2.2, H1.5.2.4, H2.2.2.4, H2.3.2.1		
		Exam Room - Large AIR Hybrid	**F2.2.5**		
		Exam Room - Stress Test - Nuclear	I2.5.14		
		Exam Room - VHIT	H2.2.2.9		
		Exam Room - VNG	H2.2.2.10		
		Exam Room-Audiometry Booth	H2.2.2.6		
		Exam Room-Audiometry Booth-CIS	H2.2.2.7		
		Exam Room-Echo	H2.1.2.5		
		Exam Room-Stress Test-Non-Nuclear	H2.1.2.7		
		Exam Room-Vascular	H2.1.2.6		
		Phlebotomy Bay-Chair	J5.3		Low
		Phlebotomy Bay-Scooter	J5.4		
		Phlebotomy Bay-Stretcher	J5.5		
		Phlebotomy Room	A1.10.1, B1.2.22, B2.2.25, C1.1.2.18, C1.2.2.16, C2.1.2.18, C2.2.2.16, C3.1.2.18, C4.1.2.18, C4.2.4.15, C5.1.2.18, C5.2.2.16, C6.1.2.18, C6.2.2.16, E2.1.8, **F2.2.7**		
		Respiratory Diagnostics	H1.3.2.4		Medium
2	IPU Sleeping Rooms	Bedroom-2 Single Beds	F4.4	Intermediate Care	Medium
		Bedroom-Special Needs	F4.3		
		Patient Bay-Daycare	C3.2.3.1		
		Patient Room	C1.1.2.6, C1.2.2.4, C2.1.2.6, C2.2.2.4, C3.1.2.6, C3.2.2.6, C3.2.4.3, C4.1.2.6, C5.1.2.6, C5.2.2.4, C6.1.2.6, C6.2.2.4		
		Patient Room-Airborne Isolation-Lead Lined	C3.2.2.1		
		Patient Room-Ante-Natal/Post-Section	E2.2.7		
		Patient Room-Bariatric-Airborne Isolation-Hybrid	C1.1.2.4, C1.2.2.2, C2.1.2.4, C2.2.2.2, C3.1.2.4, C3.2.2.4, C4.1.2.4, C5.1.2.4, C5.2.2.2, C6.1.2.4, C6.2.2.2		
		Patient Room-Bariatric-Airborne Isolation-Hybrid	C1.1.2.2, C2.1.2.2, C3.1.2.2, C4.1.2.2, C5.1.2.2, C6.1.2.2		
		Patient Room-C4HA	K2.2.9		
		Patient Room-C4HA Accessible	K2.2.7		
		Patient Room-CHA Accessible	K2.2.8		
		Patient Room-Eating Disorders	C4.2.3.3		
		Patient Room-Eating Disorders Accessible	C4.2.3.2		
		Patient Room-MedPsych	C4.2.4.4		
		Patient Room-MedPsych-Airborne Isolation-Hybrid	C4.2.4.2		
		Patient Room-MH	F1.2.6, F1.3.6, F3.2.1.7, F3.3.1.7, F3.4.1.7		
		Patient Room-MH Accessible	F1.3.4, F3.3.1.5		
		Patient Room-MH Accessible-Airborne Isolation-Hybrid	F1.2.4, F3.2.1.5, F3.4.1.5		
		Patient Room-Post-Section	E2.2.7		
		Patient Room-Post-Section-Airborne Isolation-Hybrid	E2.2.5		
3	Procedure Rooms	ACU Patient Bay	G1.5.3	Critical Care	Medium
		ACU Patient Room-Airborne Isolation-Hybrid	G1.5.1, G2.5.1		
		ACU-Patient Bay-Small	G2.5.2		
		Assessment/Treatment Bay	L1.2.3	Intermediate Care	
		Assessment/Treatment Room	K2.2.3, L2.2, L3.2.3		
		Assessment/Treatment Room-Large	L1.2.2		
		ECG Bay	J5.6		Medium
		Exam Room - Evoked Potentials	H2.4.2.3		High
		Exam Room-ECG	A1.1.12, H2.1.2.4		Medium
		Exam Room-EEG	H2.4.2.1		High
		Exam Room-EMG	H2.4.2.2		Medium
		Exam Room-Ophthalmology	A1.7.4		
		Exam/Treatment Room (or Bay)	A1.3.7, A1.4.7, A1.5.7, A1.7.3, A1.8.1, A2.2.2, D2.2.2		
		Exam/Treatment Room-Airborne Isolation-Hybrid	A1.3.5, A1.4.5, A1.5.5, A2.2.1		
		Exam/Treatment Room-Airborne Isolation-VHF	A1.4.1, A1.5.1		
		Exam/Treatment Room-Bariatric-Airborne Isolation-VHF	A1.3.1		
		Exam/Treatment Room-ENT	A1.5.8		
		Exam/Treatment Room-EYE	A1.5.11		
		Exam/Treatment Room-MH	A1.6.2		
		Exam/Treatment Room-OB/GYN	A1.5.9		
		Exam/Treatment Room-Recliner	A1.3.8, A1.4.8, A1.5.12		
		Exam/Treatment Room-VHF	A1.3.4, A1.4.4, A1.5.4		
		Procedure Room	E2.1.4		High
		Procedure Room-Fiberoptic Endoscopy	L3.2.2		
		Procedure Room-General	G2.2.1	Critical Care	
		Procedure Room-Renal	C3.2.5.2	Intermediate Care	High
		Procedure Room-Small	F1.4.2		Medium
		Treatment Bay-Recliner	**F2.4.1**		
		Procedure/Recovery Bay-ECT	**G2.5.22**	Critical Care	
4	Critical Care Unit (CCU) / Intensive Care Unit (ICU)	Patient Room-Critical Care	B1.2.8, B2.2.13, B4.1.1 (Future Expansion provisions), B4.2.1 (Future Expansion provisions)	Critical Care	High
		Patient Room-Critical Care-Airborne Isolation	B1.2.5, B2.2.10		
		Patient Room-Critical Care-Airborne Isolation-VHF	B2.2.5		
		Patient Room-Critical Care-Bariatric-Airborne Isolation	B1.2.2, B2.2.2		
		Patient Room-Critical Care-Training Room	B1.2.10		
		Patient Room-Critical Care-VHF	B2.2.8		
5	NICU	Patient Room-NICU	E3.1.4	Critical Care	High
		Patient Room-NICU-Airborne Isolation-Hybrid	E3.1.2		
6	Delivery - Labour	Patient Room-SRMC	E2.2.3, E6.1 (Future Expansion provisions)	Critical Care	High
		Patient Room-SRMC-Bariatric-Airborne Isolation-Hybrid	E2.2.1		
7	Dialysis or Infusion Areas	Hemodialysis Home Training Station-Chair	D3.2.6	Intermediate Care	Medium
		Hemodialysis Treatment Station-Bed	D3.2.4		
		Hemodialysis Treatment Dent Station-Bed-Airborne Isolation-Hybrid	D3.2.1, D3.2.3		
		Hemodialysis Treatment Station-Chair	D3.2.5		
		Infusion Treatment Bay-Recliner	H2.3.2.4		
		Infusion Treatment Bay-Stretcher	H2.3.2.5		
		Infusion Treatment-Bed-Airborne Isolation-Hybrid	H2.3.2.2		
		Peritoneal-Dialysis Drop-in Treatment Station	D4.1.4		
		Peritoneal-Dialysis Teaching Station-Open Bay	D4.1.5		
		Peritoneal-Dialysis Training Station-Bed	D4.1.3		
		Peritoneal-Dialysis Training Station-Bed-Airborne Isolation-Hybrid	D4.1.2		
8	Procedure Rooms - Scope	Procedure Room-Bronchoscopy	G2.3.1	Critical Care	High
		Procedure Room-ERCP/GI Endoscopy	G2.4.1		

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		Room Template Index			
8	Procedure Rooms - Scope	Procedure Room-GI Endoscopy	G2.4.2	Critical Care	High
9	Holding Stretcher Areas	Bed Bay-Discharge	G1.2.10	Intermediate Care	Medium
		EMS Holding Bay	A1.1.9		
		Fetal Monitoring Bay	E2.1.5		
		Holter Monitor Bay	H2.1.2.8		
		Patient Uptake/Injection Room	I2.5.8		
		Prep/Holding Bay	I1.5, I2.2.3, I2.3.4, I2.4.4		
		Prep/Recovery Bay	I2.5.6		
		Recovery Bay-C-Section	E2.3.3	Critical Care	
		Stress Test-Set-up	I2.5.13, H2.1.2.3	Intermediate Care	
		Stretcher Hold/CT Prep	A1.9.4		
		Stretcher Prep Bay	H2.1.2.2		
10	Operating Rooms & Interventional Suites	Interventional Suite	G1.2.3	Critical Care	High
		Operating Room	G1.3.3, G3.1.1 (Future Expansion provisions)		
		Operating Room-Hybrid	G1.3.8		
		Operating Room-C-Section	E2.3.1		
11	Resuscitation Room	Exam/Treatment Room-Resuscitation	A1.2.1	Critical Care	High
12	CT Imaging	Imaging-CT	A1.9.5, I2.3.5, G1.2.15 / I2.3.10.1 (Future Expansion provisions)	Intermediate Care	Medium
		Imaging-PET/CT	I2.5.9 (Future Expansion provisions)		
13	MRI	Imaging-MRI	I2.4.5, I2.4.10.1 (Future Expansion provisions)	Intermediate Care	Medium
14	Fluoro, Diagnostic & Digital Radiography Imaging	Imaging-Digital Radiography	A1.9.7, H2.4.2.4, I2.1.7, I2.1.9 (Future Expansion provisions)	Intermediate Care	Medium
		Imaging-Fluoroscopy Multi-Purpose Room (MPR)	I2.1.4		
15	Nuclear Medicine	Imaging-Bone Densitometry	I2.6.3	Intermediate Care	Medium
		Imaging-Nuclear Medicine (incl. large)	I2.5.9		
16	Laboratories	Accessioning Area	J4.10.1	N/A	Medium
		Autoclave & Media Preparation Room	J4.7.17		
		Automated High-Volume Analyzer Area	J4.4.1		
		Automated High-Volume Analyzer Area-Small	J4.5.2		
		Balance Room	J4.3.6		
		Blood Culture Area	J4.7.7		
		Blood Culture Bench	J4.7.8		
		Blood Gas/Whole Blood Analysis Area	J4.4.2		
		Blood Product Preparation Area	J4.6.4		
		Cell Labelling Lab	I2.5.22		
		Centralized Molecular R&D	J4.13.8		
		Centralized Research & Development Area	J4.4.10		High
		Clean Master Mix Room	J4.9.1		Medium
		Clean Room-Hazardous Drugs	J1.6.1		
		Clean Room-Non-Hazardous	J1.6.4		
		Closed System Molecular Area	J4.9.5		
		Culture Bench	J4.7.5		
		Cytology Assessment & Processing Area	J4.11.1		
		Cytology Screening Room	J4.11.2		
		Electron Microscope Room	J4.12.2		
		Electronic Cross Match Area	J4.6.3		
		Electrophoresis Area	J4.4.7		
		EM equipment Room	J4.12.3		
		Extraction Room	J4.9.2		
		Flow Cytometry Room	J4.5.5		
		Fluorescent Microscopy Workstation	J4.7.11, J4.10.5		
		Grossing & Tissue Processing Room	J4.10.2		
		Holter Monitor Analysis Area	H2.1.2.9		
		Hot Lab	I2.5.21		
		ID & Susceptibility	J4.7.9		
		IHC & Special Stains Area	J4.10.4		
		Incubator/Fridge/Freezer Area	J4.7.3		
		Lab-Bone Marrow	J4.5.6		
		Lab-Embedding/Cutting	J4.10.6		
		Lab-Frozen Section	G1.4.1		
		Lab-Mass Spectrophotometry	J4.4.8		
		Lab-Microscopy	J4.5.7		
		Lab-Urinalysis	J4.4.3		
		Manual Cross Match/Antibody Identification	J4.6.5		
		Manual Hematology & Fluids	J4.4.4, J4.5.3		
		Manual Workbench	J4.4.5		
		Mass Spectrophotometry Room	J4.4.6		
		Microscope Bench	J4.7.6		
		Mycobacteriology Room-High Risk/CL3	J4.7.12		
		Mycology Room	J4.7.10		
		PCR Room	J4.9.3		
		Plating Area-Automated & Manual	J4.7.2		
		Post-PCR Room	J4.9.4		
		Post-Sequencing-Bioinformatics	J4.8.3		
		Pre-Sequencing Room	J4.8.1		
		Radiopharmaceutical Compounding Lab	I2.5.26		
		Renal Lab Support	J4.12.1		
		Satellite Scope Reprocessing-Clean	H1.3.2.11		
		Satellite Scope Reprocessing-Soiled	H1.3.2.10		
		Sequencing Room	J4.8.2		
		Serology/IVD Molecular Area	J4.9.6		
		Special Coagulation Area	J4.5.4		
		Specimen Holding	G1.4.3		
		Specimen Processing Room	J6.5		
		Specimen Receiving & Verification Area	J4.6.1		
		Staining Area	J4.10.3		
		Utility-Flash Sterilization	G1.4.5		
		Wet Specimen Processing	J4.10.7		
		Xenon Hyperpolarizer Room	I2.4.9		
17	Ultrasound Imaging	Imaging-Ultrasound	A1.9.8, I2.2.6, I2.2.7, I2.2.8 (Future Expansion provisions)	Intermediate Care	Medium
18	Imaging Control Rooms	Control-Imaging	A1.9.6, G1.2.4, **G1.2.18**, G1.3.9, I2.1.5, I2.3.6, I2.4.6, I2.5.10, G1.2.16 / I2.3.10.2 / I2.4.10.2 (Future Expansion provisions)	N/A	Medium
19	Care Team Stations	Care Team Station	A1.3.10, A1.4.10, A1.5.14, A1.6.7, A1.7.6, A1.8.3, B1.2.14, B2.2.17, C1.1.2.10, C1.2.2.8, C2.1.2.10, C2.2.2.8, C3.1.2.10, C3.2.3.2, C3.2.5.5, C4.1.2.10, C4.2.3.6, C4.2.4.8, C5.1.2.10, C5.2.2.8, C6.1.2.10, C6.2.2.8, D3.2.9, D4.1.7, E2.2.10, E2.2.12, E2.3.5, E3.1.8, F1.1.4, F1.2.10, F1.3.10, **F2.2.2, F2.3.2,** F3.2.1.10, F3.3.1.10, F3.4.1.10, G1.5.6, G2.5.4, G2.5.5, H2.3.2.6, K2.2.13	N/A	High
		Care Team Station-Enclosed	C1.1.2.11, C1.2.2.9, C2.1.2.11, C2.2.2.9, C3.1.2.11, C3.2.5.6, C4.1.2.11, C4.2.3.7, C4.2.4.9, C5.1.2.11, C5.2.2.9, C6.1.2.11, C6.2.2.9		
		Inter-Professional Team Room	A2.3.1, H1.1.2.8, H1.2.2.6, H1.5.2.9, K2.2.17, H1.4.2.6, I2.5.19, H2.2.2.13, H1.3.2.9		
		Inter-Professional Team Room-Small	K4.2		

Room Template #	Room Template Name	Space Descriptions / Variants	Applies to SoA Ref. Numbers	CSA Z32 Classification	Data Density
		Room Template Index			
20	Offices	Office	A1.6.11, A1.11.3, A1.11.4, A1.11.5, A2.3.2, A2.3.3, B1.4.2, B1.4.3, B1.4.4, B2.4.2, B2.4.3, B2.4.4, B3.3, B3.4, C1.1.4.2, C1.2.4.2, C2.1.4.2, C2.2.4.2, C3.1.4.2, C3.2.7.2, C4.1.6.2, C4.2.4.26, C5.1.4.2, C5.2.4.2, C6.1.4.2, C6.2.4.2, C4.2.4.25, C1.1.4.3, C1.2.4.3, C2.1.4.3, C2.2.4.3, C3.1.4.3, C3.2.7.3, C4.1.6.3, C5.1.4.3, C5.2.4.3, C6.1.4.3, C6.2.4.3, C1.1.4.1, C1.2.4.1, C2.1.4.1, C2.2.4.1, C3.1.4.1, C3.2.7.1, C4.1.6.1, C5.1.4.1, C5.2.4.1, C6.1.4.1, C6.2.4.1, D5.1, E5.3, E5.2, F3.2.3.2, F3.4.3.2, F1.6.2, F1.6.3, **F2.6.2, F2.6.3**, F3.3.3.2, G1.2.16, G1.4.2, G1.5.13, G1.5.14, G1.7.5, G1.7.6, G2.7.2, H1.1.4.2, H1.1.4.3, H1.2.4.2, H1.2.4.3, H1.3.4.2, H1.3.4.3, H1.4.4.2, H1.4.4.3, H1.5.4.2, H1.5.4.3, H2.1.4.5, H2.1.4.6, I2.1.9, I2.2.8, I4.2, I4.7, I4.8, I4.9, I4.10, I4.11, J1.1.3, J1.1.6, J1.1.5, J1.1.4, J1.5.1, J2.10, J2.11, J3.1, J4.2.7, J4.3.9, J4.4.12, J4.5.9, J4.6.11, J4.9.8, J4.9.9, J4.10.19, J4.10.20, J4.10.21, J4.13.11, J4.13.12, J5.8, J6.11, K4.3, K4.4, L5.2, L5.3, M1.2.2, M1.2.3, M1.4.1, M1.5.1, M4.2, N2.14, N2.17, N3.9, N4.8, O1.14, O1.15, O1.16, O2.5.3, O2.5.4, O3.33, O3.34, O4.5, O4.6, O4.7, O5.1, O5.2, O5.3, O5.4, O5.5, O5.6, O6.2, O6.3, O6.4, O6.5, O6.6, O6.7, O6.8, O7.1, O8.1, O8.2, O8.3, O12.1, O12.2, O12.3, O13.2, O13.3	N/A	As Appropriate
		Office-Main Lab	J4.4.9, J4.7.21		
		Office-Microscope	J4.10.18		
21	Workstations / Switchboards / Control Desks	Workstations/ Switchboards/ Control Desks (incl. control - security, VPD/BCES, lg. general, ECHO, ECG, card team, audio, diagnostics, clinical pharm, operations control desk, study room, touchdown & other operational support categories)	A1.1.5, A1.1.6, A1.9.10, B4.1.1, B4.2.1, C4.2.2.8, D5.2, **D5.4**, E6.1, **F1.1.10**, F1.2.14, F1.3.14, F1.6.4, **F2.6.4, F2.6.5**, F3.2.1.13, F3.3.1.13, F3.4.1.13, F4.6, G1.7.7, G2.7.3, G3.1, H1.1.2.5, H1.1.4.4, H1.2.2.3, H1.2.4.4, H1.3.2.6, H1.3.4.4, H1.4.2.3, H1.4.4.4, H1.5.2.6, H1.5.4.4, H2.1.4.7, H2.1.4.1, H2.1.4.2, H2.1.4.3, H2.2.4.1, H2.3.4.1, H2.4.2.6, I2.4.12, I2.5.16, I2.5.20, I5.1, **J1.3.3**, J4.3.10, J3.2, J4.1.5, J4.2.5, J4.3.7, J4.4.11, J4.5.8, J4.6.10, J4.7.20, J4.10.17, J4.12.4, J4.13.10, L1.4.1, **M1.1.5**, M1.3.1, M1.3.2, O2.2.4, O2.2.9, O2.4.5, O3.5, O3.35, O4.10, O4.13, O4.14, O5.7, O6.9, O6.10, O7.6, O12.4, G1.2.1, G1.3.1, N1.3, J4.2.6, J4.3.8, J4.12.5, L1.4.2, N1.4, O4.8	N/A	As Appropriate
		Command Centre/EOC	M5.1		High
		Dispatch Room	O2.4.8		Medium
		Physician Workroom	A1.11.7		
		Reading Room-PACS	A1.9.9, G1.7.4, H2.1.4.4, I2.5.18, I4.6, G1.7.3, I4.3, I2.3.11, I4.4, I4.5		
		Registration/Triage	A1.1.8, A2.1.1		
		Workroom-Flexible	J4.13.9		Low
		Workstation-Supervisor (Electrical, Plumbing,	O4.9, O4.10, O4.11		
22	Multipurpose Rooms	Multipurpose Room	F1.4.6, **F2.2.9, F2.3.6**, F3.2.1.17, F3.3.1.17, F3.4.1.17, K1.2.5	N/A	Medium
		Multipurpose Room-Large	C4.2.2.5, K2.2.18		
		Study Room-Group	N1.2, N5.2		Low
23	Conference / Meeting Rooms	Conference/Meeting Room	I2.3.10, I2.4.10	N/A	Medium
		Conference/Meeting Room-Large-Dividable	C1.3.3, C2.3.3, C3.3.3, C4.3.1, C5.3.3, C6.3.3, I1.7, N1.1, I5.1 (Future Expansion provisions)		High
		Conference/Meeting Room-Xsmall	F3.2.3.1, F3.3.3.1, F3.4.3.1, J1.1.8, M5.2, N2.16, N4.7		Medium
		Conference/Meeting Room-Small	D3.4.2, F.1.6.1, **F2.6.1**, G1.7.1, H1.1.4.1, H1.2.4.1, H1.3.4.1, H1.4.4.1, H1.5.4.1, I4.1, J4.10.16, K4.1. N2.16, O1.13, O2.5.2, O4.4		
		Conference/Meeting Room-Medium	A1.11.2, B1.4.1, B2.4.1, D3.4.3, E5.1, G2.7.1, G1.7.2, J1.1.9, J4.13.3, L5.1, N2.15		
		Conference/Meeting Room-Xlarge-Dividable	C1.3.1, C2.3.1, C3.3.1, C5.3.1, C6.3.1, N2.14		High
		Conference/Meeting Room-XXlarge-Dividable	N2.13		
		Consult/Interview Room Crisis Interview Room Office - Main Lab	A1.1.10, A1.1.11, A1.6.1, A1.7.2, B1.2.1, B2.2.1, C1.1.2.1, C1.2.2.1, C2.1.2.1, C2.2.2.1, C3.1.2.1, C3.2.5.1, C4.1.2.1, C4.2.2.2, C4.2.3.1, C4.2.4.1, C5.1.2.1, C5.2.2.1, C6.1.2.1, C6.2.2.1, D2.2.1, E2.1.1, E3.1.1, F1.1.8, F1.2.1, F1.3.1, F1.4.1, **F2.1.6, F2.1.7, F2.2.4, F2.3.4**, F3.2.1.1, F3.3.1.1, F3.4.1.1, F4.2, G1.1.4, G1.5.10, G2.1.4, H2.1.2.1, H2.2.2.1, I1.6, I2.2.4, I2.4.16, I2.7.1, J2.2, J4.13.2, K1.2.1, K2.2.1, L1.2.1, L3.2.1, M4.1		Low
		Medical Education Program Collection	N1.5		As Appropriate
		Report Room	B3.1		
		Team Space-Allied Health	A1.11.1, B1.2.18, C1.1.2.15, C1.2.2.13, C2.1.2.15, C2.2.2.13, C3.1.2.15, C3.2.5.10, C4.1.2.15, C5.1.2.15, C5.2.2.13, C6.1.2.15, C6.2.2.13, F1.2.13, F1.3.13		
24	Secure Room	Secure Room	A1.6.3, F1.2.2, F1.3.2, F3.2.1.2, F3.3.1.2, F3.4.1.2	N/A	Zero
25	Rehabilitation Rooms	Extremity Whirlpool Room	L1.2.8	N/A	Low
		Rehab Gym-Cardiovascular	L1.2.4		Medium
		Rehab Gym-Group Exercise	L1.2.5		
		Rehab Gym-Physiotherapy	L1.2.6		
		Rehab Gym-Strength Training	L1.2.7		
		Mobility Gym	K1.2.4		
26	Clinical Support Rooms	Anteroom-Airborne Isolation	B1.2.6, B2.2.11	N/A	Included in room data density
		Anteroom-Airborne Isolation-Lead Lined	C3.2.2.2		
		Anteroom-Airborne Isolation-VHF	A1.3.2, A1.4.2, A1.5.2, B2.2.6		
		Anteroom-Bariatric-Airborne Isolation	B1.2.3, B2.2.3		
		Anteroom-Decontamination Entry	A1.1.15		
		Anteroom-Decontamination Exit	A1.1.16		
		Anteroom-Equipment	J4.7.16		
		Anteroom-Exit	J4.7.14		
		Anteroom-Hazardous	J2.9		
		Anteroom-Hazardous Drugs	J1.6.2		
		Anteroom-Non-Hazardous Drugs	J1.6.5		
		Anteroom-Secure	A1.6.4, F1.2.3, F1.3.3, F3.2.1.3, F3.3.1.3, F3.4.1.3		
		AUD/Barcoding/Picking Area	**J1.2.7**		Low
		Biohazard Waste Staging	O2.1.10		
		Break Down Room	O2.4.7		
		Cart Drying Room	O2.2.5		
		Cart Wash	O3.28		
		Cart Wash/Hold	O2.2.6		
		Change Cubicle-Patient	A1.9.3, **G1.5.29**, I2.1.3, H2.1.2.11, H2.4.2.7, I2.2.5, I2.3.3, I2.4.14, N3.3		
		Change/Foot Wash	M8.2		
		Change-Patient Hot	I2.5.4		
		Change-Staff	J1.6.10		
		Control-Observation	N3.8		
		Decontamination Room	A1.1.14		
		Decontamination Zone	O1.4		
		Disinfector/Washer-Wheelchairs/Gurneys-Bedbugs Sauna	O8.7		
		Dispensary Area	J2.4		Medium

Room Template Index					
Room Template #	**Room Template Name**	**Space Descriptions / Variants**	**Applies to SoA Ref. Numbers**	**CSA Z32 Classification**	**Data Density**
26	Clinical Support Rooms	Dispensing Area Unit Doses	J1.5.2	N/A	Medium
		Dispensing Window	J2.3		Low
		Entrance Vestibule - Decontamination	A1.1.17		
		Instrument Return	O2.1.6		Medium
		Medication Room - Small	A1.7.9, A1.8.6, A2.2.3, D2.2.8, D2.2.3, **G2.5.9,** H1.1.2.7, H1.2.2.5, H1.4.2.5, H1.3.2.8, H1.5.2.8, I2.6.6, I2.1.10, I2.2.9, I2.3.12, I2.4.11, K2.2.16, K1.2.6		
		Medication Room-Medium	A1.3.13, A1.4.13, A1.5.17, A1.6.10, B1.2.17, B2.2.20, D3.2.12, F3.2.1.14, F3.3.1.14, F3.4.1.14, **F2.5.6,** G1.5.9, H2.3.2.9		
		Medication Room - Large	C1.1.2.14, C1.2.2.12, C2.1.2.14, C2.2.2.12, C3.1.2.14, C3.2.5.9, C4.1.2.14, C4.2.3.10, C4.2.4.12, C5.1.2.14, C5.2.2.12, C6.1.2.14, C6.2.2.12, E2.2.15, E3.1.11		
		Observation/Seminar Room	N3.7		
		Order Entry Area #1	J1.4.1		High
		Order Entry Area #2	J1.4.2		
		Outreach Drug Distribution Area	J2.6		
		Scope Decontamination	**G2.8.2**		Medium
		Support Space	J4.10.8		
		Ultrasound Probe Cleaning	I2.2.11		
27	Patient Support Rooms	Angel's Cradle-Baby Drop-off	A1.1.18	N/A	Low
		Breast Feeding Room	E1.2, M1.1.8		
		Dining/Activity Area	C4.2.2.6, C4.2.2.7, C4.2.3.13, F1.4.5, F3.2.1.18, F3.3.1.18, F3.4.1.18, F4.7		Medium
		Group Therapy Room	C4.2.3.16, C4.2.2.4		
		Group Therapy Room-Tinnitus	H2.2.2.2		
		Sensory Modulation Room	C4.2.3.15, F3.2.1.4, F3.3.1.4, F3.4.1.4		
28	Clinical Skills	Clinical Skills Room	N3.5	N/A	High
		Clinical Skills Room-Enhanced	N3.6		
29	Media Services	Control-AV	N4.6	N/A	High
		Studio-Photo	N4.3		
		Studio-Video	N4.4		
		Video Editing Rooms	N4.5		
30	Technical Support Rooms	Radiology Tech Work/Supplies	H2.4.2.5	N/A	Medium
		Technical Room-Imaging	G1.2.5, G1.2.6, G1.3.10, I2.3.7, I2.3.8, I2.4.7, I2.5.11, G1.2.15.1 / I2.3.10.3 / I2.4.10.3 (Future Expansion provisions)		
		Workroom-Anesthesia	G1.4.6		
		Workroom-Anesthesia/Supplies	G2.6.1		
		Workroom-Biomedical Engineering	D6.1, I2.7.2, O1.9, I3.10		High
		Workroom-Class 4 Laser	O1.10		Medium
		Workroom-Clinical Pharmacists	J1.1.7		High
		Workroom-Decontamination	O2.1.4		Medium
		Workroom-Dialysis Technicians	D3.4.1		High
		Workroom-Environmental Services	O8.4		Medium
		Workroom-Pump/Storage	G1.4.7, G1.4.8		
		Workroom-Specialized Equipment	O1.11		
		Workroom-Technologist	I2.1.11, I2.2.10		
		Workroom-Wheelchair Repair	O7.5		
31	Autopsy Room	Autopsy Room	J6.4	N/A	Low

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 1: Generic Exam Rooms					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling (over abdomen)	1000	Provider zone (dimming)	Conditional	Over specific body part related to room specialty when applicable
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Conditional	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone	1/0.5	1/0.5	1/0.5 (for monitor) 1/1 (for ultrasound)		Monitor circuits may only be shared with other monitors. 5-20R outlet for mobile ultrasound equipment. When bed/stretcher is sideways against a wall, the headwall Provider zone requirements are at the Patient's head and the headwall Patient zone requirements are at the foot
Headwall Patient zone	1/0.5	1/0.5			
Bed		1/0.5			Required only when electric bed/stretcher required in room
Patient Lift		1/0.5			Required only when patient lift required in room
Boom					When bed/stretcher is islanded, requirements for headwall are to be relocated to boom
Housekeeping		1/0.5			5-20R outlet near room entry door
General use (spacing / location specified)	1/0.5 counter GFCI receptacle at sink	1/0.5 per 3m of wall			
Specialty, equipment specific					Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	Medium	YES	NO	YES	**Clocks:** One visible from provider zone
Headwall Provider zone	Patient Station	4 (in 2 separate outlets)	1	Refer to Section 7.9.13.2(2) for details.		
Headwall Patient zone		2				
Footwall	Nurse Call Connection to display location.	4				
General use (spacing / location specified)	Pull Cord at patient chair					
Bed						When bed/stretcher is islanded, requirements for headwall are to be relocated to boom
Boom						
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry	2				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 2: Generic Inpatient Unit (IPU) Sleeping Rooms					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	300	Patient zone (dimming), Room entry (dimming)	25% Vital, 75% Conditional	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling (over abdomen)	750	Provider zone	Vital	
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	Ceiling or wall-mount	100	Provider zone (dimming)	Vital	
Patient Reading light	Ceiling or wall-mount	300	Patient zone (dimming)	Vital	
Workstation lighting	N/A				
Night light	Wall-mount	30	Patient zone, Room entry	Vital	Amber colour, addressable control not required, located between bed/stretcher and washroom
Observation lighting	Ceiling or wall-mount	300	Remote observation area (dimming)	Vital	Required in Mental Health inpatient rooms only
Instrument processing lighting	N/A				
Visitor/Family zone lighting	Ceiling or wall-mount	300	Visitor/family zone (dimming)	Conditional	
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone	1/0.5	1/0.5	1/0.5 (for monitor) 1/1 (for ultrasound)	Monitor circuit may only be shared with other monitors. 5-20R outlet for mobile ultrasound equipment
Headwall Patient zone	1/0.5	1/0.5		
Bed		1/0.5		
Patient Lift		1/0.5		Patient lift and bed in same room may share same circuit
Boom				
Housekeeping		1/0.5		5-20R outlet at room entry, circuit sharing within room or with adjacent patient room only
General use (spacing / location specified)		1/0.5 for each visitor/patient chair, workstation		
Specialty, equipment specific				Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone				
Observation room or station or area or ante room	1 per 1m of wall/2 per circuit			Outlets noted are in addition to standard workstation requirements, select rooms only

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	Medium	YES	NO	YES	**Clocks:** One at foot of bed and visible from provider zone
Headwall Provider zone	Patient Station	4 (in 2 separate outlets)	1		Refer to Section 7.9.13.2(2) for details.	
Headwall Patient zone		2				
Footwall	Nurse Call Connection to display location.	4				
General use (spacing / location specified)	Pull Cord at patient chair					
Bed						Patient bed locations to have one (1) additional 2-gang box stubbed to cable tray
Boom						
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry Audio station with pullcord and washroom pullcord station in ensuite.					Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 3: Generic Procedure Rooms					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling (over abdomen)	1000	Provider zone (dimming)	Vital	Over specific body part related to room specialty when applicable
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	N/A				
Patient Reading light	Ceiling or wall-mount	300	Patient zone (dimming)	Vital	For EEG, EMG, Evoked Potentials room types only
Workstation lighting	Ceiling	750	At workstation (dimming)	Conditional	
Night light	Wall-mount	30	Patient zone, Room entry	Vital	Amber colour, addressable control not required. For EEG, EMG, Evoked Potentials room types only.
Observation lighting	N/A				
Instrument processing lighting	Covered by General Area Lighting				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	Ceiling	As required for clinical needs	Nursing control zone (dimming)	Vital	Green lighting coordinated with imaging equipment monitors. Only required in "Procedure Room - General"
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location outside	High visibility with ambient lighting on	Auto-energized by laser on	Vital	Required in rooms with laser
Battery packs (backup unit lighting)	Surface ceiling adjustable dual light heads	20	N/A	Vital	Circuited from same vital lighting circuit in room, on dedicated outlet not listed under 'Power Outlet Locations'. Only required in Critical Care Areas

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone	2/0.5	1/0.5	1/0.5 (for monitor) 1/1 (for ultrasound)		Monitor circuits may only be shared with other monitors. Monitor outlets to be on each boom in "Procedure Room - General" room types. When bed/stretcher is sideways against a wall, the headwall Provider zone requirements are at the Patient's head and the headwall Patient zone requirements are at the foot. 5-20R outlet for mobile ultrasound equipment
Headwall Patient zone	2/0.5	1/0.5			
Bed		1/0.5			Required only when electric bed/stretcher required in room
Patient Lift		1/0.5			Required only when patient lift required in room
Boom	2/0.5	1/0.5			In "Procedure Room - General" room types only; quantities are per boom
Housekeeping		1/0.5			5-20R outlet near room entry door
General use (spacing / location specified)	1/0.5 counter GFCI receptacle at sink	1/0.5 per 3m of wall			
Specialty, equipment specific					Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	As Appropriate	YES	YES	YES	**Clocks:** One visible from provider zone
Headwall Provider zone	Patient Station	4 (in 2 separate outlets)				
Headwall Patient zone		2				
Footwall	Nurse Call Connection to display location.					
General use (spacing / location specified)	Pull cord station at patient chair	4 at wall mounted display.	1		Refer to Section 7.9.13.2(2) for details.	
Bed						When bed/stretcher is islanded, requirements for headwall are to be relocated to boom
Boom	Staff Assist/Code station					
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry Audio station with pull cord and washroom pull cord station in ensuite.	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 4: Generic Critical Care Units					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Patient zone (dimming), Room entry (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling (over abdomen)	1000	Provider zone (dimming), Observation window (dimming)	Vital	Local and remote outside room (observation window) controls
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	Ceiling or wall-mount	100	Provider zone (dimming)	Vital	
Patient Reading light	Ceiling or wall-mount	300	Patient zone (dimming)	Vital	
Workstation lighting	N/A				
Night light	Wall-mount	30	Patient zone, Room entry	Vital	Amber colour, located approximately 1200mm AFF on both sides of bed
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	Ceiling or wall-mount	300	Visitor/family zone (dimming)	Vital	
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed		1/0.5			
Patient Lift		1/0.5			Patient lift and bed in same room may share same circuit
Boom	4/3	2/1	1/0.5 (for monitor) 1/1 (for ultrasound)		Monitor circuit may only be shared with other monitors. Quantities are per boom, except monitor/ultrasound outlets only required on one boom.
Housekeeping		1/1			5-20R outlet near room entry
General use (spacing / location specified)	1/0.5 per 3m of wall	1/0.5 per visitor/patient chair, workstation			
Specialty, equipment specific					Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room	1 per 1m of wall/2 per circuit				Outlets noted are in addition to standard workstation requirements

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	YES	NO	YES	**Clocks:** One visible from provider zone
Headwall Provider zone	Patient Station	4 (in 2 separate outlets)				
Headwall Patient zone		4 (in 2 separate outlets)				
Footwall	Nurse Call Connection to display location	4				
General use (spacing / location specified)	Pull Cord at patient chair		1		Refer to Section 7.9.13.2(2) for details.	
Bed						Patient bed locations to have one (1) additional 2-gang box stubbed to cable tray
Boom	Staff Assist/Code station					When bed/stretcher is islanded, requirements for headwall are to be relocated to boom
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry Audio station with pullcord and washroom pullcord station in ensuite.	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 5: Generic Neonatal Intensive Care Unit (NICU)					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Indirect (ceiling)	500	Room Entry (dimming, colour tuning)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it. Tuneable white lighting, 1% dimming required.
Exam Lighting, general	Ceiling (over bassinette)	1000	Provider zone (dimming)	Vital	Local control of individual patient lighting
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	Ceiling or wall-mount	100	Provider zone (dimming)	Vital	
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	Wall-mount	30	Room Entry (dimming)	Vital	Amber colour, located approximately 1200mm AFF on both sides of bassinette
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	Vital	Phototherapy lighting
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone	4/2	2/1	1/0.5 (for monitor) 1/0.5 (for ultrasound)		Monitor circuit may only be shared with other monitors. Ultrasound circuit may only be shared with other ultrasound outlets at the same patient location.
Headwall Patient zone	4/2	2/1	1/0.5 (for monitor) 1/0.5 (for ultrasound)		Monitor circuit may only be shared with other monitors. Ultrasound circuit may only be shared with other ultrasound outlets at the same patient location.
Bed					
Patient Lift					
Boom					
Housekeeping		1/1			5-20R near room entry, additional receptacles as required for coverage
General use (spacing / location specified)	1/0.5 (general) per 2m of wall	1/0.5 (general) per 2m of wall			Locate vital and conditional receptacles in same separated backbox
Specialty, equipment specific					Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	YES	YES	YES	**Clocks:** One visible from provider zone
Headwall Provider zone	Patient Station, Staff Assist/Code Pink station	6 (in 3 separate outlets)	1	Airborne Isolation Rooms.	Refer to Section 7.9.13.2(2) for details.	Headwall data quantities apply to each headwall location in the room
Headwall Patient zone		2				
Footwall	Nurse Call Connection to display location.	4				
General use (spacing / location specified)	Pull Cord at patient chair					
Bed						
Boom						
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry Audio station with pullcord and washroom pullcord station in ensuite.	8				Additional data outlet(s) for bassinettes or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

			Room Template 6: Labour & Delivery / Patient Room - SRMC		
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Ceiling, surface-mount	500	Patient zone (dimming), Room entry (dimming)	50% Vital, 50% Conditional	Illuminance targets must be met at hand hygiene sink when standing in front of it. Use high-end residential style fixtures for patient comfort
Exam Lighting, general	Ceiling (over pelvis)	1000	Provider zone (dimming)	Vital	
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	Ceiling or wall-mount	100	Provider zone (dimming)	Vital	
Patient Reading light	Ceiling or wall-mount	300	Patient zone (dimming)	Vital	
Workstation lighting	N/A				
Night light	Wall-mount (Patient zone & Provider zone)	30	Patient zone, Room entry	Vital	Amber colour, located approximately 1200mm AFF on both sides of bed and between bed and washroom
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	Ceiling or wall-mount	300	Visitor/family zone (dimming)	Vital	
Shower	Ceiling	200	N/A	Vital	Applicable to tub areas
Specialty Lighting	Ceiling	750	Provider zone (dimming)	Vital	Bassinette lighting - diffuse & even lighting over entire bassinette
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone	4/4	2/1	1/0.5 (for monitor) 1/1 (for ultrasound)		Monitor circuit may only be shared with other monitors
Headwall Patient zone	4/2	1/0.5			Circuits may be shared with Provider zone
Bed		1/0.5			
Patient Lift		1/0.5			Patient lift and bed in same room may share same circuit
Boom					
Housekeeping		1/1			5-20R outlet near room entry
General use (spacing / location specified)	1/0.5 per 3m of wall	1/0.5 per visitor/patient chair, workstation			
Specialty, equipment specific	2/2 (located at bassinette, general use)	1/1 (located at bassinette, general use)	1/0.5 (for monitor at bassinette)		Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist. Outlet quantities shown are per side of bassinette, to allow for twins.
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity** **Structured Cabling Infrastructure Data Density (IMIT, PM, GI)**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
Basic Requirement	Required	High	YES	NO	YES	**Clocks:** One elapsed time clock with count up/down timer and one standard 24 hour clock foot of bed and visible from provider zone
Headwall Provider zone	Patient Station, Staff Assist/Code Pink station	6 (in 3 separate outlets)	1		Refer to Section 7.9.13.2(2) for details.	Headwall data quantities apply to each headwall location in the room
Headwall Patient zone		2				
Footwall	Nurse Call Connection to display location	4				Wall-mounted display locations to have one (1) additional 2-gang box connected to 2-gang box behind display
General use (spacing / location specified)	Pull Cord at patient chair Staff Assist/Code Pink station at each bassinette					
Bed						Patient bed locations to have one (1) additional 2-gang box stubbed to cable tray
Boom		4				
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry Audio station with pullcord and washroom pullcord station in ensuite.	8				Additional data outlet(s) for bassinettes or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 7 : Generic Renal Dialysis or Infusion Bed/Stretcher					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	300	Care Team Station (dimming), Entry door (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling, recessed (over abdomen)	1000	Provider zone (dimming)	Vital	Spill light to adjacent stretcher bays to be minimised
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	Covered by Exam Lighting				
Patient Reading light	Ceiling or wall-mount	300	Patient zone (dimming)	Vital	Spill light to adjacent stretcher bays to be minimised
Workstation lighting	N/A				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone	3/3 (two duplex 5-20R)		1/0.5 (for monitor)	Monitor circuit may only be shared with other monitors, 5-20R dialysis outlets may be on same circuit at same bed/stretcher/chair (with one on each side)
Headwall Patient zone	3/3 (two duplex 5-20R)			5-20R dialysis outlets may be on same circuit at same bed/stretcher/chair (with one on each side)
Bed		1/0.5		
Patient Lift		1/0.5		When patient lift required, patient lift and bed in same stretcher bay may share same circuit
Boom				
Housekeeping		1/0.3		5-20R as required throughout department
General use (spacing / location specified)		1/0.5 per visitor/patient chair, workstation		
Specialty, equipment specific				Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone				
Observation room or station or area or ante room				

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	Medium	YES	NO	YES	**Clocks:** In corridor and visible from provider zone with curtains in open position
Headwall Provider zone	Patient Station	4 (in 2 separate outlets)				
Headwall Patient zone		2				
Footwall	Nurse Call Connection to display location	4				
General use (spacing / location specified)	Pull Cord at patient chair		1		Refer to Section 7.9.13.2(2) for details.	
Bed						
Boom						
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry Audio station with pullcord and washroom pullcord station in ensuite.	2				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 8: Generic Procedure Rooms - Endoscopy, Bronchoscopy					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling (over abdomen)	1000	Provider zone (dimming)	Vital	Over specific body part related to room specialty when applicable
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Conditional	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	Covered by General Area Lighting				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	Ceiling	As required for clinical needs	Nursing control zone (dimming)	Vital	Green lighting coordinated with imaging equipment monitors
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location	High visibility with ambient lighting on	Auto-energized by laser on	Vital	Required in rooms with laser
Battery packs (backup unit lighting)	Surface ceiling adjustable dual light heads	20	N/A	Vital	Circuited from same vital lighting circuit in room, on dedicated outlet not listed under 'Power Outlet Locations'

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone	2/0.5	1/0.5	1/1 (for ultrasound)		When bed/stretcher is sideways against a wall, the headwall Provider zone requirements are at the Patient's head and the headwall Patient zone requirements are at the foot
Headwall Patient zone	2/0.5	1/0.5			
Bed		1/0.5			Required only when electric bed/stretcher required in room
Patient Lift		1/0.5			Required only when patient lift required in room
Boom	2/0.5	1/0.5	1/0.5 (for monitor)		Monitor circuits may only be shared with other monitors. Quantities are per boom.
Housekeeping		1/0.5			5-20R outlet near room entry door
General use (spacing / location specified)	1/0.5 counter GFCI receptacle at sink	1/0.5 per 3m of wall			
Specialty, equipment specific					Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	YES	YES	YES	**Clocks:** One visible from provider zone
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station	4 at wall mounted display.	1	Refer to Section 7.9.13.2(2) for details.		Staff Assist/Code Station to be provided at each nursing control zone
Bed						When bed/stretcher is islanded, requirements for headwall are to be relocated to boom
Boom	Staff Assist/Code Station	6 per boom				
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at nursing control zone	8				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 9: Holding Stretchers (Preop, Recovery, EMS)					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	300	Care Team Station (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling (over abdomen)	1000	Provider zone (dimming)	Vital	Spill light to adjacent stretcher bays to be minimized
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	Covered by Exam Lighting				
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone	2/1		1/0.5 (for monitor)		Monitor circuit may only be shared with other monitors
Headwall Patient zone	2/1				Circuits may be shared with Provider zone
Bed		1/0.5			
Patient Lift		1/0.5			When patient lift required, patient lift and bed in same stretcher bay may share same circuit
Boom					
Housekeeping		1/0.3			5-20R outlets as required throughout department
General use (spacing / location specified)					
Specialty, equipment specific					Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	Medium	NO	NO	YES	**Clocks:** In corridor and visible from provider zone with curtains in open position
Headwall Provider zone	Patient Station	4 (in 2 separate outlets)				
Headwall Patient zone		2				
Footwall					Refer to Section 7.9.13.2(2) for details.	
General use (spacing / location specified)						
Bed						
Boom						
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at entry	2				Additional data outlet(s) for specialty equipment or workstation

Legend:

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PM: Physiological Monitoring Network
GI: Guest Infotainment Network

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APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 10: Generic Operating Room (OR), Interventional Suite					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct (ceiling)	750	Nursing control zone (dimming), Room entry (dimming)	75% Vital, 25% UPS	No part of room less than 500lux
Exam Lighting, general	Ceiling (over operating table)	1000	Nursing control zone (dimming)	Vital	
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	Ceiling	300	Nursing control zone (dimming)	Vital	Controlled beam to avoid spill light to rest of room
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	Ceiling	As required for clinical needs	Nursing control zone (dimming)	Vital	Green lighting coordinated with imaging equipment monitors
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location outside entry doors	High visibility with ambient lighting on	Auto-energized by equipment & switch at nursing control zone	Vital	
Battery packs (backup unit lighting)	Surface ceiling adjustable dual light heads	20	N/A	Vital	Circuited from same vital lighting circuit in room, on dedicated outlet not listed under 'Power Outlet Locations'

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone	2/2	1/1	1/0.5 (for monitor)		In C-Section OR only, located at bassinette
Headwall Patient zone					
Bed					
Patient Lift					
Boom	2/2		6/3 (general) 1/1 (L6-30R outlet, for laser)		3 laser outlets in same OR may share a common circuit. Quantities are per boom.
Housekeeping	1/1				5-20R outlet near room entry, additional receptacles as required for coverage
General use (spacing / location specified)	1/0.5 per 1 m of wall	1/0.5 per 1 m of wall			Outlets to be in groups of four duplex (2V, 2C), each on a different circuit
Specialty, equipment specific			3/1 per touch down or PACS workstation (in addition to normal workstation requirements)		Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist. Locate equipment outlets beside grouped wall outlets as much as possible
Nursing control zone	2/1				
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity** / **Structured Cabling Infrastructure Data Density (IMIT, PM, GI)**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
Basic Requirement	Required	High	YES	NO	YES	**Clocks:** One elapsed time clock with count up/down timer and one standard 24 hour clock
Headwall Provider zone	Staff Assist/Code station	4	1		Refer to Section 7.9.13.2(2) for details.	Headwall requirements apply to C-Section OR's.
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station	6 (in 3 separate outlets)				Staff Assist/Code Station to be provided at each nursing control zone
Bed						
Boom	Staff Assist/Code Station	6 per boom				
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at nursing control zone	6 (specialty equipment or workstation) 4 per display wall				Additional data outlet(s) for specialty equipment or workstation.

Legend:

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APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 11: Exam/Treatment Room-Resuscitation					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct (ceiling)	1000	Nursing control zone (dimming), Room entry (dimming)	75% Vital, 25% UPS	No part of room less than 500lux, separate control for each stretcher as well as perimeter of room
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	Ceiling	300	Provider zone (dimmer)	Vital	At charting workstation, controlled beam to avoid spill light to rest of room
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location outside entry doors	High visibility with ambient lighting on	Auto-energized by equipment & switch at nursing control zone	Vital	
Battery packs (backup unit lighting)	Surface ceiling adjustable dual light heads	20	N/A	Vital	Circuited from same vital lighting circuit in room, on dedicated outlet not listed under 'Power Outlet Locations'

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom	2/2		6/3 (general) 1/1 (L6-30R outlet, for laser)		Laser outlets at same stretcher may share a common circuit. Quantities are per boom.
Housekeeping	1/1				5-20R outlet near room entry, additional receptacles as required for coverage
General use (spacing / location specified)	1/0.5 per 1 m of wall	1/0.5 per 1 m of wall			Outlets to be in groups of four duplex (2V, 2C), each on a different circuit
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist. Locate equipment outlets beside grouped wall outlets as much as possible
Nursing control zone	2/1				
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	YES	YES	YES	**Clocks:** One elapsed time clock with count up/down timer and one standard 24 hour clock (per stretcher)
Headwall Provider zone	Patient Station		1	YES	Refer to Section 7.9.13.2(2) for details.	Provide one Patient Station for each Patient location in the room.
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station	6 (in 3 separate outlets)				Staff Assist/Code Station to be provided at each nursing control zone
Bed						
Boom	Staff Assist/Code Station	6 per boom				
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at nursing control zone	6 (specialty equipment or workstation) 4 per display wall				Additional data outlet(s) for specialty equipment or workstation

Legend:

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PM: Physiological Monitoring Network
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APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 12: Generic Computed Tomography Scan Room (CT)					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming), Control room (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it, no part of room less than 300lux
Exam Lighting, general	Ceiling (over entire body)	500	Room entry (dimming), Control room (dimming)	Vital	This function could be integrated with vision panels
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	Flush ceiling vision panels	500	Control room (dimming)	Vital	Custom replaceable graphic film required over entire gantry in pre-scan position
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location outside entry doors	High visibility with ambient lighting on	Auto-energized by equipment & switch at room entry	Vital	
Battery packs (backup unit lighting)	Surface ceiling adjustable dual light heads	20	N/A	Vital	Circuited from same vital lighting circuit in room, on dedicated outlet not listed under 'Power Outlet Locations'
Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift		1/0.5			Required only when patient lift required in room
Boom	2/1		2/1		
Housekeeping		1/0.5			5-20R outlet near each room entry door
General use (spacing / location specified)	1/0.3 per 3m of wall, 1/0.5 counter GFCI receptacle at sink				One outlet positioned close to gantry (midway) on sidewall, and one on each end wall
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					Refer to Room Template 18 for imaging control room requirements

| **Division 27** | **Nurse Call** | **Data Drop Quantity** | **Multimedia Room Template** | **Clinical Observation Camera** | **Location Services Infrastructure** | **Additional Infrastructure Requirements** |
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	YES	NO	YES	**Clocks:** One in CT room and readily visible from control room and gantry
Headwall Provider zone	Patient Station		1		Refer to Section 7.9.13.2(2) for details.	
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station	4 (in 2 separate outlets)				
Bed						
Boom		6				
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 13: Generic Magnetic Resonance Imaging Room (MRI)					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming), Control room (dimming)	Vital with selected Conditional fixtures for redundancy	No part of room less than 300lux
Exam Lighting, general	Ceiling (over entire body)	500	Room entry (dimming), Control room (dimming)	Vital	This function could be integrated with vision panels
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	Flush ceiling vision panels	500	Control room (dimming)	Vital	Custom replaceable graphic film required over entire gantry in pre-scan position
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location outside entry doors	High visibility with ambient lighting on	Auto-energized by equipment & switch at room entry	Vital	
Battery packs (backup unit lighting)	Surface ceiling adjustable dual light heads	20	N/A	Vital	Circuited from same vital lighting circuit in room, on dedicated outlet not listed under 'Power Outlet Locations'
Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom					
Housekeeping		1/0.5			5-20R outlet near control room entry door
General use (spacing / location specified)	6/2				One outlet positioned close to gantry (midway) on sidewall, and at least one on each wall
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					Refer to Room Template 18 for imaging control room requirements

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	Medium	NO	YES	YES	**Clocks:** In control room only (visible from gantry)
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station	4 (in 2 separate outlets)			Refer to Section 7.9.13.2(2) for details.	
Bed						
Boom						
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific		4				Additional data outlet(s) for specialty equipment or workstation. All wiring passing through cabin walls to be routed via appropriate filters in penetration panel.

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 14: Generic Fluoroscopy Room (Fluoro), Diagnostic & Digital Radiology Rooms similar

Lighting Function Types	Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)	Illuminance Targets (minimum average lux)	Local Controls	Power Source	Notes / Other Requirements
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming), Control room (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it, no part of room less than 300lux
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location outside entry doors	High visibility with ambient lighting on	Auto-energized by equipment & switch at room entry	Vital	
Battery packs (backup unit lighting)	Surface ceiling adjustable dual light heads	20	N/A	Vital	Circuited from same vital lighting circuit in room, on dedicated outlet not listed under 'Power Outlet Locations'

Power Outlet Locations	# of duplex Vital outlets / circuits	# of duplex Conditional outlets / circuits	# of duplex UPS outlets / circuits		Notes / Other Requirements
Headwall Provider zone	1/0.5	1/0.5	1/0.5 (for monitor)		Monitor circuits may only be shared with other monitors. When table/bed is sideways against a wall, the headwall Provider zone requirements are at the Patient's head and the headwall Patient zone requirements are at the foot
Headwall Patient zone	1/0.5	1/0.5			
Bed					
Patient Lift		1/0.5			Required only when patient lift required in room
Boom					
Housekeeping		1/0.5			5-20R outlet near each room entry door
General use (spacing / location specified)	1/0.3 per 3m of wall, 1/0.5 counter GFCI receptacle at sink				One outlet positioned close to gantry (midway) on sidewall
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room	1/0.5 per 1m of wall				Outlets noted are in addition to standard workstation requirements

Division 27	Nurse Call	Data Drop Quantity	Multimedia Room Template	Clinical Observation Camera	Location Services Infrastructure	Additional Infrastructure Requirements
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	YES	NO	YES	**Clocks:** One in Fluoro room and readily visible from control room and gantry
Headwall Provider zone	Patient Station					
Headwall Patient zone						
Footwall			1		Refer to Section 7.9.13.2(2) for details.	
General use (spacing / location specified)	Staff Assist/Code Station	4 (in 2 separate outlets)				
Bed						
Boom		6				
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at control desk	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 15: Generic Nuclear Med Room					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming), control room (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it, no part of room less than 300lux
Exam Lighting, general	Ceiling (over entire body)	500	Room entry (dimming), control room (dimming)	Vital	Flat lensed fixture c/w replaceable graphics film, gantry in pre-scan position
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location outside entry doors	High visibility with ambient lighting on	Auto-energized by equipment & switch at room entry	Vital	
Battery packs (backup unit lighting)	Surface ceiling adjustable dual light heads	20	N/A	Vital	Circuited from same vital lighting circuit in room, on dedicated outlet not listed under 'Power Outlet Locations'

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift		1/0.5			Required only when patient lift required in room
Boom	2/1		2/1		5-20R outlets on boom
Housekeeping		1/0.5			5-20R outlet near each room entry door
General use (spacing / location specified)	1/0.3 per 3m of wall, 1/0.5 counter GFCI receptacle at sink				One outlet positioned close to gantry (midway) on sidewall, and one on each end wall
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room	1/0.5 per 1m of wall				Outlets noted are in addition to standard workstation requirements

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	YES	NO	YES	**Clocks:** One in imaging room and readily visible from control room and gantry
Headwall Provider zone	Patient Station		1		Refer to Section 7.9.13.2(2) for details.	
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station	4 (in 2 separate outlets)				
Bed						
Boom		6				
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

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Room Template 16: Generic Laboratory (Lab) Spaces					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling), over lab bench/counter	750	Entry doors (dimming)	50% Vital, 50% Conditional	Illuminance targets must be met at hand hygiene sink when standing in front of it; when specifically noted in CSA Z317.5, lab types may reduce lighting levels accordingly
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	covered by General Area Lighting				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	Benchtop	1000	Benchtop (dimming) - per workspace	50% Vital, 50% Conditional	Plate reading, 1% dimming in microscope areas
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone				
Headwall Patient zone				
Bed				
Patient Lift				
Boom				
Housekeeping		1/0.3		5-20R outlets as required throughout department
General use (spacing / location specified)	1/0.5 per 0.75m of lab bench/counter 1/0.5 per 0.75m of wall/column width		1/0.5 per 0.75m of lab bench/counter 1/0.5 per 0.75m of wall/column width	Multi-compartment raceway to support two separate power sources, as well as a telecom section. Wall/column outlets for equipment in areas where there is useable horizontal space (300mm minimum) without benches or counters. All outlets 5-20R
Specialty, equipment specific	1/1 specialty outlet per 2m of lab bench/counter		1/1 specialty outlet per 2m of lab bench/counter 1/1 (for monitor)	The intent of the specialty outlet requirement is to allow for other than 120V, 15/20A equipment at benches - outlet type to be determined in consultation with the Owner. Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone				
Observation room or station or area or ante room				

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Not Required	As Appropriate	NO	NO	YES	**Clocks:** One visible from every lab bench location
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)		2 per lab bench work area 2 additional per computer workstation			Refer to Section 7.9.13.2(2) for details.	
Bed						
Boom						
Ceiling						
Specialty, equipment specific		2 per wall-mounted display				Wall-mounted display locations to have one (1) additional 2-gang box connected to 2-gang box behind display

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

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Room Template 17: Generic Ultrasound Room					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	750	Room entry (switch), Workstation (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling (over abdomen)	1000	Provider zone (dimming)	Vital	Over specific body part related to room specialty when applicable
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	covered by General Area Lighting				
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	Wall or ceiling mount in visible location outside entry doors	High visibility with ambient lighting on	Auto-energized by equipment & switch at room entry	Vital	
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone	1/0.5 (general) 1/0.5 (for monitor)	1/0.5	1/0.5 (for ultrasound equipment)	Monitor circuits may only be shared with other monitors. Ultrasound circuits may only be shared with other ultrasound outlets at the same patient location. Ultrasound outlets to be 5-20R. When bed/stretcher is sideways against a wall, the headwall Provider zone requirements will be at the Patient's head and the headwall Patient zone will be at the foot.
Headwall Patient zone	1/0.5 (general)	1/0.5	1/0.5 (for ultrasound equipment)	Ultrasound circuits may only be shared with other ultrasound outlets at the same patient location. Ultrasound outlets to be 5-20R.
Bed		1/0.5		Required only when electric bed/stretcher required in room
Patient Lift		1/0.5		Required only when patient lift required in room
Boom				When bed/stretcher is islanded, requirements for headwall are to be relocated to the boom
Housekeeping		1/0.5		5-20R outlet near room entry door
General use (spacing / location specified)	1/0.5 counter GFCI receptacle at sink	1/0.5 per 3m of wall		
Specialty, equipment specific				Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone				
Observation room or station or area or ante room				

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	Medium	NO	NO	YES	**Clocks:** One at foot of bed and visible from provider zone
Headwall Provider zone	Patient Station Staff Assist/Code Station	4 (in 2 separate outlets)				
Headwall Patient zone		2				
Footwall						
General use (spacing / location specified)	Pull Cord at patient chair				Refer to Section 7.9.13.2(2) for details.	Wall-mounted display locations to have one (1) additional 2-gang box connected to 2-gang box behind display
Bed						
Boom						
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff workflow station at room entry	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

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Room Template 18: Generic Imaging Control Room					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room Entry (dimming)	Conditional with selected Vital fixtures for safety	Remote dimming control required for associated imaging room as well as control room
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Direct/indirect (ceiling)	500	Dimming	Vital	Lighting in control area, separate control for fixtures above countertop at control room window
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				
Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom					
Housekeeping		1/0.5			5-20R outlet near each room entry door
General use (spacing / location specified)	1/0.5 per 2m of wall, 1/0.5 counter GFCI receptacle at sink				Outlets noted are in addition to standard workstation requirements
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	Medium	NO	NO	YES	**Clocks:** One in imaging room and readily visible from control room and gantry (except in MRI control room, where clock is to be located in control room and visible from gantry)
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station	2 per workstation			Refer to Section 7.9.13.2(2) for details.	
Bed						
Boom						
Ceiling						
Specialty, equipment specific	Staff workflow station at control desk	3 per printer				

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

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Room Template 19: Generic Care Team Stations					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Entry (dimming)	Conditional with selected Vital fixtures for safety	Remote controls for associated corridors to be located at Care Team Stations
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Direct/indirect (ceiling)	750	Dimming	Vital	In Care Team Stations with two or fewer workstations, workstation lighting may be provided by the general area lighting
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone				
Headwall Patient zone				
Bed				
Patient Lift				
Boom				
Housekeeping		1/0.5		5-20R near each room entry door
General use (spacing / location specified)	1/0.5 per 2m of wall, 1/0.5 per 0.5m of counter, 1/0.5 counter GFCI receptacle at sink			Outlets noted are in addition to computer workstation requirements, one half of the counter outlets to be below counter and the other half above counter.
Specialty, equipment specific	1 USB charging port above counter at each computer workstation		2/1 (below counter at each computer workstation)	Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist. 8 USB charging ports required at each designated mobile device charging location
Nursing control zone				
Observation room or station or area or ante room				

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	NO	NO	YES	**Clocks:** in location(s) to be visible from everywhere in the Care Team Station
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station Staff Assist/Code Station	2 per workstation 2 per wall-mounted display			Refer to Section 7.9.13.2(2) for details.	
Bed						
Boom						
Ceiling						
Specialty, equipment specific	Staff Console	3 per multi-function printer 4 PM data per Telemetry Central Monitor				

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

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Room Template 20: Generic Offices					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Entry (dimming)	Conditional with selected Vital fixtures for safety	
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Direct/indirect (ceiling)	750	At workstation (dimming)	Vital	For single occupancy offices, workstation lighting may be provided by the general area lighting
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	Under desk/low level	10	At workstation (dimming)	Vital	Required in imaging offices used as reading rooms and offices used for microscopy
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone				
Headwall Patient zone				
Bed				
Patient Lift				
Boom				
Housekeeping		1/0.5		5-20R outlet
General use (spacing / location specified)	1/0.25 per 2m of wall, 2/0.5 per 1m of counter			Outlets noted are in addition to standard workstation requirements, one half of counter outlets to be above counter and the other half below
Specialty, equipment specific				Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone				
Observation room or station or area or ante room				

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Not Required	As appropriate	NO	NO	YES	Clocks: N/A
Headwall Provider zone						
Headwall Patient zone						
Footwall					Refer to Section 7.9.13.2(2) for details.	
General use (spacing / location specified)		2 per workstation				
Bed						
Boom						
Ceiling						
Specialty, equipment specific		3 per multi-function printer				

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 21: Generic Workstations/Switchboards/Control Desks					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Entry (dimming)	Vital with selected Conditional fixtures for redundancy	Controls to include remote control of associated corridors, including dimming
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Direct/indirect (ceiling)	750	At workstation (dimming)	Vital	For single workstation spaces, workstation lighting may be provided by the general area lighting
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	Under desk/low level	10	At workstation (dimming)	Vital	Lowlevel kickspace lighting is required at individual PACS workstations
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom					
Housekeeping		1/0.5			5-20R outlet near each room entry door
General use (spacing / location specified)	1/0.5 per 2m of wall, 1/0.5 per 1m of counter, 1/0.5 counter GFCI receptacle at sink	1/0.5 per 1m of counter			Outlets noted are in addition to standard workstation personal computer requirements, one half of the counter outlets to be below counter and the other half above counter, at 0.5m spacing with half on vital and half on conditional. Requirements to be doubled at each PACS station
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	As Appropriate	As Appropriate	NO	NO	YES	**Clocks:** in location(s) to be visible from everywhere in room
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)		2 per workstation				
Bed						
Boom						
Ceiling					Refer to Section 7.9.13.2(2) for details.	
Specialty, equipment specific	Staff Console at Operations Control Desk, Command Centre/EOC and Registration/Triage	3 per multi-function printer				

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 22: Multi-Purpose Rooms					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming)	Conditional with selected Vital fixtures for safety	Any rooms with room dividers require individual control in each section as well as a master control for when dividers are not in use, zone control (such as lower light level at AV equipment)
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Vital	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A (equipment-specific)	N/A (equipment-specific)	N/A (equipment-specific)	Conditional with selected Vital fixtures for safety	As required to suit equipment in equipment list
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				
Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom					
Housekeeping		1/0.5			5-20R outlet
General use (spacing / location specified)	1/0.5 per 3m of wall, 2/1 per 2m of counter	1/0.3 per 2m of wall, 2/1 per 2m of counter, flush floor outlets such that no piece of equipment is more than 2m from an outlet			Outlets noted are in addition to standard workstation requirements, one half of counter outlets to be above counter and the other half below
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Not Required	As Appropriate	YES	NO	YES	**Clocks:** In location(s) to be visible from everywhere in room
Headwall Provider zone						
Headwall Patient zone						
Footwall			Type 2 in "Multipurpose Room-Large" C4.2.2.5, Type 1 in all others		Refer to Section 7.9.13.2(2) for details.	
General use (spacing / location specified)	Staff Assist/Code Station	4 at display wall (in 2 separate outlets) 4 at each table in a floor box				
Bed						
Boom						
Ceiling						
Specialty, equipment specific	Staff workflow station at room entry	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 23: Conference/Meeting Rooms					
Lighting Function Types	Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)	Illuminance Targets (minimum average lux)	Local Controls	Power Source	Notes / Other Requirements
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming)	Conditional with selected Vital fixtures for safety	Any rooms with room dividers require individual control in each section as well as a master control for when dividers are not in use, zone control (such as lower light level at AV equipment)
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Vital	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A (equipment-specific)	N/A (equipment-specific)	N/A (equipment-specific)	Conditional with selected Vital fixtures for safety	As required to suit equipment in equipment list
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	# of duplex Vital outlets / circuits	# of duplex Conditional outlets / circuits	# of duplex UPS outlets / circuits		Notes / Other Requirements
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom					
Housekeeping		1/0.5 per dividable room section			5-20R outlet
General use (spacing / location specified)	1/0.5 per 3m of wall, 2/1 per 2m of counter	1/0.3 per 2m of wall, 2/1 per 2m of counter, flush floor outlets such that no piece of equipment is more than 2m from an outlet			Outlets noted are in addition to standard workstation requirements, one half of counter outlets to be above counter and the other half below
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	Nurse Call	Data Drop Quantity	Multimedia Room Template	Clinical Observation Camera Infrastructure	Location Services Infrastructure	Additional Infrastructure Requirements
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Not Required	As Appropriate	YES	NO	YES	Clocks: in location(s) to be visible from everywhere in room
Headwall Provider zone						
Headwall Patient zone			Type 2 in X-small / Small / Medium rooms and Observation/Seminar room			
Footwall						
General use (spacing / location specified)	Staff Assist/Code Station	4 at display wall (in 2 separate outlets) 4 at each table in a floor box	Type 3 in Large / X-large Dividable rooms	Refer to Section 7.9.13.2(2) for details.		Nurse Call devices required in Conference/Meeting Rooms used for therapy and rehabilitation meetings (both sides of dividable rooms)
Bed						
Boom			Type 3 in Imaging CT/MRI Future Expansion			
Ceiling						
Specialty, equipment specific	4-Button at room entry	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 24: Secure Room					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct (ceiling/wall)	500	Outside room entry (dimming)	Vital	
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	N/A				
Night light	Ceiling-mount	30	Outside room entry	Vital	Amber colour, addressable control not required
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone	N/A			
Headwall Patient zone	N/A			
Bed	N/A			
Patient Lift	N/A			
Boom	N/A			
Housekeeping	N/A			
General use (spacing / location specified)	N/A			
Specialty, equipment specific	N/A			
Nursing control zone	N/A			
Observation room or station or area or ante room	N/A			

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	Zero	NO	YES	YES	**Clocks:** None
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)				Corner mount secure clinical camera.	Refer to Section 7.9.13.2(2) for details.	
Bed						
Boom						
Ceiling						RTLS infrastructure to be hidden inside ceiling space.
Specialty, equipment specific	Staff Assist/Code station outside room. Staff workflow station outside room.					

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 25: Rehabilitation Rooms					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	300	Room Entry (dimming, zones)	Conditional with selected Vital fixtures for safety	Select fixtures with low glare in areas where patients could be facing the ceiling
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Conditional	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A (equipment-specific)	N/A (equipment-specific)	N/A (equipment-specific)	Conditional with selected Vital fixtures for safety	As required to suit equipment in equipment list
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone				
Headwall Patient zone				
Bed				
Patient Lift		1/0.5		Required for each patient lift
Boom				
Housekeeping		1/0.5		5-20R outlet
General use (spacing / location specified)	1/0.5 per side of patient station, 1/0.5 per 2m of counter, flush floor outlets such that no piece of equipment is more than 2m from a Vital outlet	1/0.5 per side of patient station, 1/0.3 per 2m of wall, 2/1 per 2m of counter, flush floor outlets such that no piece of equipment is more than 2m from a Conditional outlet		Outlets noted are in addition to standard workstation requirements, one half of counter outlets to be above counter and the other half below. Patient station means a location dedicated to patient treatment (i.e. stretcher, plinth, bed, chair)
Specialty, equipment specific				Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone				
Observation room or station or area or ante room				

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	As appropriate	NO	NO	YES	**Clocks:** In location(s) to be visible from everywhere in room
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	4-Button in each patient care area	2 per workstation			Refer to Section 7.9.13.2(2) for details.	
Bed						
Boom						
Ceiling						
Specialty, equipment specific						

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 26: Clinical Support Rooms					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	At each zone entry (dimming)	Conditional with selected Vital fixtures for safety	
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Conditional	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A (equipment-specific)	N/A (equipment-specific)	N/A (equipment-specific)	Conditional with selected Vital fixtures for safety	As required to suit equipment in equipment list
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom					
Housekeeping		1/0.5			5-20R outlet
General use (spacing / location specified)	1/0.5 per 3m of wall, 2/1 per 2m of counter/bench	1/0.3 per 2m of wall, 2/1 per 2m of counter/bench, flush floor outlets such that no piece of equipment is more than 2m from an outlet			Outlets noted are in addition to standard workstation requirements, one half of counter outlets to be above counter and the other half below. MDRD workstations for sorting and inspection to have additional flush ceiling mounted twistlock outlets on dedicated circuits from each of vital, conditional, and UPS, with matching extension drops to duplex receptacles in PVC outlet boxes suspended 300mm above countertop. Provide one set of these outlets and extensions for each 2.5m length of bench/counter, arranged such that the cable drop will be offset at the ceiling with a supportive gripping mechanism such that the drop can be aligned exactly where needed
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	As Appropriate	NO	NO	YES	**Clocks:** In location(s) to be visible from everywhere in room, not required in rooms smaller than 10 square metres
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Pull Cord Station with Audio in Patient change areas	3 per ADC			Refer to Section 7.9.13.2(2) for details.	
Bed						
Boom						
Ceiling						
Specialty, equipment specific	Duty stations in Medication rooms.	2 per wall mounted display 2 per workstation 3 per multi-function printer				

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 27: Patient Support Rooms					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	At each zone entry (dimming)	Conditional with selected Vital fixtures for safety	
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Conditional	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A (equipment-specific)	N/A (equipment-specific)	N/A (equipment-specific)	Conditional with selected Vital fixtures for safety	As required to suit equipment in equipment list; Full spectrum colour-tuning and 1% dimming lights in Sensory Modulation Rooms
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				
Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom					
Housekeeping		1/0.5			5-20R outlet
General use (spacing / location specified)	1/0.5 per 3m of wall, 2/1 per 2m of counter	1/0.3 per 2m of wall, 2/1 per 2m of counter, flush floor outlets such that no piece of equipment is more than 2m from an outlet			Outlets noted are in addition to standard workstation requirements, one half of counter outlets to be above counter and the other half below
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	As Appropriate	YES	NO	YES	**Clocks:** In location(s) to be visible from everywhere in room
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)	Pull Cord Station with Audio	4 at Display Wall (in 2 separate outlets) 4 at each table in a floor box	Type 2 in the following rooms: C4.2.2.4 C4.2.3.16 H2.2.2.2		Refer to Section 7.9.13.2(2) for details.	Additional Nurse Call devices as required by Schedule 3, Section 7.9.11.
Bed						
Boom						
Ceiling						
Specialty, equipment specific						

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 28: Generic Clinical Skills Rooms (to match patient room being used for skills training)					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Patient zone (dimming), Room entry (dimming), Control room (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it. to match actual patient rooms (typical)
Exam Lighting, general	Ceiling (over abdomen)	1000	Provider zone (dimming) Control room (dimming)	Vital	Local and remote outside room (observation window) dimmers
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	Ceiling or wall-mount	100	Provider zone (dimming)	Vital	
Patient Reading light	Ceiling or wall-mount	300	Patient zone (dimming)	Vital	Reading lights at bed and visitor/patient chair
Workstation lighting	N/A				
Night light	Wall-mount (patient zone & Provider zone)	30	Patient zone, room entry	Vital	Amber colour, located approximately 1200mm AFF on both sides of bed
Observation lighting	Direct/indirect (ceiling)	500	Control room (dimming)	Conditional with selected Vital fixtures for safety	Lighting in observation / control room
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone	4/4	2/1.5	1/0.5 (for monitor) 1/1 (for ultrasound)		Monitor circuit may only be shared with other monitors, 5-20R outlet for mobile ultrasound equipment, two general use 5-20R outlets to match actual patient rooms
Headwall Patient zone	4/2	1/0.5			Circuits may be shared with Provider zone
Bed		1/0.5			
Patient Lift		1/0.5			Patient lift and bed in same room may share same circuit
Boom					Duplicate headwall outlet requirements on each boom in rooms with booms
Housekeeping		1/1			5-20R outlet near room entry
General use (spacing / location specified)					
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist. 1/0.25 duplex vital outlets/circuits for each TV and each handsfree sink controls
Nursing control zone					
Observation room or station or area or ante room	14/7 per room being observed				Outlets noted are in addition to standard workstation requirements

Division 27	**Nurse Call**	**Data Drop Quantity**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
		Structured Cabling Infrastructure Data Density (IMIT, PM, GI)				
Basic Requirement	Required	High	YES	NO	YES	**Clocks:** One visible from provider zone
Headwall Provider zone	Patient Station	4 (in 2 separate outlets)	5	Refer to Section 7.9.13.2(2) for details.		
Headwall Patient zone		4				
Footwall	Nurse Call Connection to Display location	4				Wall-mounted display locations to have one (1) additional 2-gang box connected to 2-gang box behind display
General use (spacing / location specified)	Pull Cord at patient chair					
Bed						Patient bed locations to have one (1) additional 2-gang box stubbed to cable tray
Boom						When bed/stretcher is islanded requirements for headwall are to be relocated to boom
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific	Staff Terminal at room entry	4				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

Room Template 29: Media Services Room					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room Entry (dimming)	Conditional with selected Vital fixtures for safety	Remote dimming control of associated room also required at control room window (control room only)
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Direct/indirect (ceiling)	750	At workstation (dimming)	Vital	Separate control for fixtures above countertop at control room window (control room only)
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				
Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**		**Notes / Other Requirements**
Headwall Provider zone					
Headwall Patient zone					
Bed					
Patient Lift					
Boom					
Housekeeping		1/0.5			5-20R outlet near each room entry door
General use (spacing / location specified)	1/0.5 per 1m of wall, 1/0.5 counter GFCI receptacle at sink				Outlets noted are in addition to standard workstation requirements. All workstation/general use outlets to be 5-20R type.
Specialty, equipment specific					Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone					
Observation room or station or area or ante room					

Division 27	**Nurse Call**	**Data Drop Quantity** Structured Cabling Infrastructure Data Density (IMIT, PM, GI)	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
Basic Requirement	Not Required	As Appropriate	YES	NO	YES	**Clocks:** One in room and readily visible from everywhere in room
Headwall Provider zone						
Headwall Patient zone						
Footwall			5		Refer to Section 7.9.13.2(2) for details.	
General use (spacing / location specified)		2 per workstation				
Bed						
Boom						
Ceiling						
Specialty, equipment specific		2 per wall mounted display 3 per multi- function printer				

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 30: Technical Support Rooms					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	At each zone entry (dimming)	Conditional with selected Vital fixtures for safety	
Exam Lighting, general	N/A				
Exam or surgical lighting, specific medical equipment	N/A				
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Conditional	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A (equipment-specific)	N/A (equipment-specific)	N/A (equipment-specific)	Conditional with selected Vital fixtures for safety	As required to suit equipment in equipment list
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone				
Headwall Patient zone				
Bed				
Patient Lift				
Boom				
Housekeeping		1/0.5		5-20R outlet
General use (spacing / location specified)	1/0.5 per 2m of wall, 2/1 per 2m of counter/bench	1/0.3 per 2m of wall, 2/1 per 2m of counter/bench, flush floor outlets such that no piece of equipment is more than 2m from an outlet		Outlets noted are in addition to standard workstation requirements, one half of counter outlets to be above counter and the other half below. All workstation/general use outlets to be 5-20R type.
Specialty, equipment specific				Additional outlets and circuits to be provided for each item in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist. Provide at least one outlet of each type used by equipment that will be maintained or tested in the room (e.g laser outlets, other specialty biomed equipment)
Nursing control zone				
Observation room or station or area or ante room				

Division 27	**Nurse Call**	**Data Drop Quantity** / **Structured Cabling Infrastructure Data Density (IMIT, PM, GI)**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
Basic Requirement	Not Required	As Appropriate	NO	NO	YES	**Clocks:** In location(s) such that it can be seen from anywhere in room
Headwall Provider zone						
Headwall Patient zone						
Footwall						
General use (spacing / location specified)						
Bed						
Boom					Refer to Section 7.9.13.2(2) for details.	
Ceiling						
Specialty, equipment specific		2 per wall mounted display 2 per workstation 3 per multi-function printer				

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.

APPENDIX 3O - ELECTRICAL IM/IT MATRIX

Room Template 31: Autopsy Room					
Lighting Function Types	**Lighting method (direct, indirect, wall-mount, ceiling-mount, task lighting)**	**Illuminance Targets (minimum average lux)**	**Local Controls**	**Power Source**	**Notes / Other Requirements**
General Area Lighting	Direct/indirect (ceiling)	500	Room entry (dimming)	Conditional with selected Vital fixtures for safety	Illuminance targets must be met at hand hygiene sink when standing in front of it
Exam Lighting, general	Ceiling (over abdomen)	1000	Provider zone (dimming)	Vital	
Exam or surgical lighting, specific medical equipment	N/A (equipment-specific)	N/A (equipment-specific)	Equipment-specific	UPS	Refer to equipment list, used where articulated light source needs to provide high light level with controlled beam
Bedside Staff light	N/A				
Patient Reading light	N/A				
Workstation lighting	Ceiling	750	At workstation (dimming)	Conditional	
Night light	N/A				
Observation lighting	N/A				
Instrument processing lighting	N/A				
Visitor/Family zone lighting	N/A				
Shower	N/A				
Specialty Lighting	N/A				
Warning Lights (in-use / do not enter)	N/A				
Battery packs (backup unit lighting)	N/A				

Power Outlet Locations	**# of duplex Vital outlets / circuits**	**# of duplex Conditional outlets / circuits**	**# of duplex UPS outlets / circuits**	**Notes / Other Requirements**
Headwall Provider zone	2/0.5	1/0.5		
Headwall Patient zone	2/0.5	1/0.5		
Bed				
Patient Lift		1/0.5		Required only when patient lift required in room
Boom				When bed/stretcher is islanded, requirements for headwall are to be relocated to boom/plinth
Housekeeping		1/0.5		5-20R outlet near room entry door
General use (spacing / location specified)	1/0.5 counter GFCI receptacle at sink	1/0.5 per 2m of wall		
Specialty, equipment specific				Additional outlets and circuits to be provided for all items in equipment list not specifically listed in this template, except mobile items where sufficient general use outlets exist
Nursing control zone				
Observation room or station or area or ante room				

Division 27	**Nurse Call**	**Data Drop Quantity** / **Structured Cabling Infrastructure Data Density (IMIT, PM, GI)**	**Multimedia Room Template**	**Clinical Observation Camera**	**Location Services Infrastructure**	**Additional Infrastructure Requirements**
Basic Requirement	Required	Low	YES	NO	YES	**Clocks:** One visible from provider zone
Headwall Provider zone			1		Refer to Section 7.9.13.2(2) for details.	
Headwall Patient zone						
Footwall						
General use (spacing / location specified)		4 at wall-mounted display				
Bed						When bed/stretcher is islanded, requirements for headwall are to be relocated to boom
Boom						
Ceiling						Hard ceiling rooms to have one (1) additional 2-gang box stubbed to cable tray
Specialty, equipment specific		2				Additional data outlet(s) for specialty equipment or workstation

Legend:

IMIT: IMIT Data Network
PM: Physiological Monitoring Network
GI: Guest Infotainment Network

Note: Data Drop Quantity does not include Data Drops for wireless access points, or ports for other systems outside of the IM/IT Data Network, the Patient Physiological Monitoring Network, and the Guest Infotainment Network. Security system Data Drops are also not included in the quantity.