MOTOR EQUIPMENT SCHEDULE

TAG	DESCRIPTION / SERVICE	LOCATION	HP/KW/AMP/MCA	VOLTS/PH.	O/C PROTECTION	WIRE SIZE	STARTER					CONTROL				Remarks
							HOA	VFD	Manual	Magnetic	PACKAGED	TYPE	SUPPLY BY	INSTALL BY	WIRED BY	
	SPLIT SYSTEMS															
R-AC-01A	IT Room Cooling	R105														Powered by corresponding condensing unit
R-AC-01B	IT Room Cooling	R105														Powered by corresponding condensing unit
R-AC-02	IT Room Cooling	Running Track Storage L2														Powered by corresponding condensing unit
R-AC-03	Electrical Room Cooling	R163														Powered by corresponding condensing unit
R-AC-04	Electrical Room Cooling	R104														Powered by corresponding condensing unit
R-AC-05A	Electrical Room Cooling	R205														Powered by corresponding condensing unit
R-AC-05B	Electrical Room Cooling	R205														Powered by corresponding condensing unit
	CONDENSING UNITS															
R-CU-01A	IT Room Cooling	Roof	21.3 MCA, 25 MOP	208/1/60	25A-2P	#10 CU						-	MECH	MECH	MECH	
R-CU-01B	IT Room Cooling	Roof	21.3 MCA, 25 MOP	208/1/60	25A-2P	#10 CU						-	MECH	MECH	MECH	
R-CU-02	IT Room Cooling	Roof	13.7 MCA, 15 MOP	208/1/60	15A-2P	#12 CU						-	MECH	MECH	MECH	
R-CU-03	Electrical Room Cooling	Roof	21.3 MCA, 25 MOP	208/1/60	25A-2P	#10 CU						-	MECH	MECH	MECH	
R-CU-04	Electrical Room Cooling	Roof	21.3 MCA, 25 MOP	208/1/60	25A-2P	#10 CU						-	MECH	MECH	MECH	
R-CU-05A	Electrical Room Cooling	Roof	21.3 MCA, 25 MOP	208/1/60	25A-2P	#10 CU						-	MECH	MECH	MECH	
R-CU-05B	Electrical Room Cooling	Roof	13.7 MCA, 15 MOP	208/1/60	15A-2P	#12 CU						-	MECH	MECH	MECH	
	AIR HANDLING UNITS															
R-AHU-01	Gym	South West Mech RM	67 MCA, 125 MOP	600/3/60	125A-3P	#2 CU						-	MECH	MECH	MECH	
R-AHU-01-HUM-01	Rec Centre AHU Humidifier	South West Mech RM	61.6 MCA, 80 MOP	600/3/60	80A-3P	#3 CU						-	MECH	MECH	MECH	
R-AHU-02	Multipurpose Rooms/Office/Lobby	Roof	56 MCA, 100 MOP	600/3/60	100A-3P	#3 CU						-	MECH	MECH	MECH	
R-AHU-03	Fitness Spaces	Roof	33 MCA, 60 MOP	600/3/60	60A-3P	#4 CU						-	MECH	MECH	MECH	
R-AHU-03-HUM-01	Rec Centre AHU Humidifier	Roof	30.8 MCA, 40 MOP	600/3/60	40A-3P	#8 CU						-	MECH	MECH	MECH	
R-AHU-04	Change Rooms	Roof	15 MCA, 20 MOP	600/3/60	20A-3P	#12 CU						-	MECH	MECH	MECH	
	FANS															
R-KEF	Kitchen Exhaust Fan	Roof	2.6 FLA, 15 MOP	600/3/60	15A-3P	#12 CU		VFD				-	MECH	MECH	MECH	
R-EF-01	Large MPR Smudging Exhaust	Roof	12.6 FLA, 30 MOP	208/3/60	30A-3P	#12 CU						-	MECH	MECH	MECH	
R-EF-02	Small MPR Smudging Exhaust	Roof	3.6 FLA, 15 MOP	208/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-EF-03	West Mechanical room exhaust	West Mech Room	2.95 FLA, 15 MOP	208/1/60	15A-2P	#12 CU						-	MECH	MECH	MECH	
R-EF-04	Garbage Room	Garbage Room	3.3 FLA, 15 MOP	120/1/60	15A-1P	#12 CU		FVNR								
R-EF-05	North Mechanical Room Exhaust		3.8 FLA, 15 MOP	120/1/60	15A-1P	#12 CU										
R-TF-01	Soffit Ventilation	Lobby Ceiling	15 MOP	120/1/60	15A-1P	#12 CU		FVNR				-	MECH	MECH	MECH	
R-EF-K	MPR Servery exhaust	MPR Servery	0.8 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
	ASHP															
R-ASHSP-01	Air Source Heat Pump	Roof	90 KW, 175 MOP	575/3/60	175A-3P	#3/0 CU						-	MECH	MECH	MECH	
R-ASHP-02	Air Source Heat Pump	Roof	90 KW, 175 MOP	575/3/60	175A-3P	#3/0 CU						-	MECH	MECH	MECH	
R-ASHP-01 Heat Trace	Air Source Heat Pump	ASHP Drain Pan		208/1/60								-	MECH	MECH	MECH	Heat trace in drain pan on ASHP not powered by ASHP SPPC.
R-ASHP-01 Heat Trace	Air Source Heat Pump	ASHP Drain Pan		208/1/60								-	MECH	MECH	MECH	Heat trace in drain pan on ASHP not powered by ASHP SPPC.
	BOILER PLANT															
R-BLR-01				120/1/60	20A-1P	#12 CU						-	MECH	MECH	MECH	Day 1 boilers are installed as natural gas. Future electrical for 3x 328kW boilers (9644W total) (600/3/60). Controls interlock to have either ASHP or Boiler running. Both will not operate at the same time
R-BLR-02				120/1/60	20A-1P	#12 CU						-	MECH	MECH	MECH	
R-BLR-03				120/1/60	20A-1P	#12 CU						-	MECH	MECH	MECH	
Boiler Control Panel				120/1/60								-	MECH	MECH	MECH	
	PUMPS															
R-P-HTG-01	ASHP Heating Primary Pump	Mechanical room	3 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	These pumps run simultaneously. 2 pumps may run at 100% together or 3 pumps at part load together.
R-P-HTG-02	ASHP Heating Primary Pump	Mechanical room	3 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-P-HTG-03	ASHP Heating Primary Pump	Mechanical room	3 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-P-HTG-04	Heating Loop Secondary Pump	Mechanical room	5 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	These pumps run simultaneously. 2 pumps may run at 100% together or 3 pumps at part load together.
R-P-HTG-05	Heating Loop Secondary Pump	Mechanical room	5 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-P-HTG-06	Heating Loop Secondary Pump	Mechanical room	5 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-P-HTG-07	Boiler Primary Pump	Mechanical room	1.5 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-P-HTG-08	Boiler Primary Pump	Mechanical room	1.5 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-P-HTG-09	Boiler Primary Pump	Mechanical room	1.5 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-P-CLG-01	ASHP Cooling Primary Pump	Mechanical room	3 HP	575/3/60	15A-3P	#12 CU		VFD				-	MECH	MECH	MECH	These pumps run simultaneously. 2 pumps may run at 100%
R-P-CLG-02	ASHP Cooling Primary Pump	Mechanical room	3 HP	575/3/60	15A-3P	#12 CU		VFD				-	MECH	MECH	MECH	
R-P-CLG-03	Cooling Loop Secondary Pump	Mechanical room	5 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	These pumps run simultaneously. 2 pumps may run at 100%
R-P-CLG-04	Cooling Loop Secondary Pump	Mechanical room	5 HP	575/3/60	15A-3P	#12 CU						-	MECH	MECH	MECH	
R-P-SAN-01/02	Pump Controller	Main floor Janitor Room	0.6 HP	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Both pumps will run at the same time
R-P-GW-01/02	Pump Controller	Main floor Janitor Room	0.6 HP	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Both pumps will run at the same time
R-P-GW-03/04	Pump Controller	Main floor Janitor Room	0.6 HP	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Both pumps will run at the same time
R-P-DHWR-01	Dom Hot Water Recirc Pump	Mechanical Room	0.09 KW, 1.3 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
	FORCE FLOW HEATERS															
R-FFH-01	Vestibule Force Flow Heater	Vestibule	2X0.17 HP, 4 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-02	MPR Storage Heater	MPR1 Storage room	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-03	Gym Storage Heater	Gym Storage 4	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-04	Gym Storage Heater	Gym Storage 3	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-05	Staff Entrance heater	Staff Entrance	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-06	Loading/Waste RM Envelope Heater	Loading/Waste	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-07	Loading/Waste RM Exhaust Heater	Loading/Waste	2X0.1 HP, 3.8 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-08	Running Track Storage Heater	Running Track Stor.	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-09	Stair A Force Flow Heater	Stairwell A	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-10	Stair B Force Flow Heater	Stairwell B	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-11	Stair C Force Flow Heater	Stairwell C	0.17 HP, 2 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-12	Stair D Force Flow Heater	Stairwell D	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-13	UTR1 Heater	Level 1 UTR	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FFH-14	Public Washroom Heater	Level 1 Public washr	0.1 HP, 1.7 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
	UNIT HEATERS															
R-UH-01	North Mech Room Heater x 2	North Mech Room	0.5 HP, 4.68 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-UH-02	West Mech Room Heater	West Mech Room	0.13 HP, 1.58 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-UH-03	Garbage Room Heater x3	1st Floor Garbage Room	0.13 HP, 1.58 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
	FAN COIL UNITS															
R-FC-01	East glazing heating	Fitness RM	6.75 MCA, 5.4 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
R-FC-02	West glazing heating	2nd Floor N/S corridor	6.75 MCA, 5.4 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
	CONTROLS															
BAS			15 MCA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Provide junction box in ceiling. Main Terminal workstation in 2nd floor mechanical room
	PLUMBING															
DHWT-1			24 KW	600/3/60	30A-3P	#10 CU						-	MECH	MECH	MECH	
DHWT-2			24 KW	600/3/60	30A-3P	#10 CU						-	MECH	MECH	MECH	Day 1 DHWH are installed as electric, 6 elements of 4kW/per heater
DHWT-3			24 KW	600/3/60	30A-3P	#10 CU						-	MECH	MECH	MECH	
Trap Primers	Electronic Trap Primers		15 MOP	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Receptacle Connection
	MISC															
Electric Tracing	R-AHU-03 Condensate	Rec Centre Roof	1.54 MCA, 1.23 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Down through roof from AHU, c/w 3m tracing inside from penetration
Electric Tracing	R-ASHP-01 Drain Pan x2	Rec Centre Roof	2.15 MCA, 1.72 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Along each side of the ASHP, collecting condensate from each drain pan
Electric Tracing	R-ASHP-02 Drain Pan x2	Rec Centre Roof	2.15 MCA, 1.72 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Along each side of the ASHP, collecting condensate from each drain pan
Electric Tracing	R-ASHP-01 Condensate	Rec Centre Roof	1.54 MCA, 1.23 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Down through roof from ASHP, c/w 3m tracing inside from penetration
Electric Tracing	R-ASHP-02 Condensate	Rec Centre Roof	1.54 MCA, 1.23 FLA	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	Down through roof from ASHP, c/w 3m tracing inside from penetration
Glycol Make-up Package	Cooling	Mechanical Room	15 MOP	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	
Glycol Make-up Package	Heating	Mechanical Room	15 MOP	120/1/60	15A-1P	#12 CU						-	MECH	MECH	MECH	

GENERAL NOTES:

1. REFER TO MECHANICAL SCHEDULES FOR DESIGNED EQUIPMENT SELECTION AND INFORMATION. THIS SCHEDULE IS TO SUPPLEMENT THE INFORMATION SHOWN THROUGHOUT THE DOCUMENTS REGARDING MECHANICAL EQUIPMENT.

2 E800 MECHANICAL MOTOR LIST

LIGHTING CONTROL SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER: CAT.#	APPLICATION	COVERAGE
S	WIRELESS WALL CONTROL TOGGLE ON/OFF, 2 BUTTONS, WHITE	LUTRON, PICO SERIES CAT#: PJ2-2B-GWH-L01	M&E RM, IT SERVER RM	1 SWITCHED ZONE
S WP	WIRED WALL CONTROL TOGGLE ON/OFF, 2 BUTTONS, WHITE, WEATHERPROOF		ELEVATOR SHAFT	1 SWITCHED ZONE
S V	WIRELESS WALL CONTROL, RF, 2 BUTTON WITH RAISE/LOWER, WHITE	LUTRON, PICO SERIES CAT#: PJ2-3BRL-GWH-L01	FOOD CONCES, MPR TEAM, MPR SERVERY, RECEPT, STAFF, ADMIN, LOAD STORAGE	1 SWITCHED ZONE
D	WIRELESS WALL DIMMING SWITCH, 120VAC, RF, 2 BUTTON WITH RAISE/LOWER, WHITE	LUTRON, PICO SERIES CAT#: PJ2-3BRL-GWH-L01	MPR RM	1 DIMMED ZONE
4D R	WIRELESS WALL REMOTE, 4 BUTTONS, WHITE	LUTRON, PICO SERIES CAT#: PJ2-4B-GWH-S31	L MPR1, GYM STORAGE 4	1 SWITCHED ROLLER SHADE ZONE
OS	PIR WALL OCCUPANCY SENSOR SWITCH TOGGLE ON/OFF WITH AUTO ON/OFF, 120VAC, 5A	LUTRON, MAESTRO SERIES CAT#: MS-OPS5MAWH	STORAGE, CASH OFFICE,	180°, 81m2 (900 SQ.FT) MAJOR MOTION
D OS	PIR VACANCY SENSOR TOGGLE ON/OFF, 0-10V, 120VAC	LUTRON, MAESTRO SERIES CAT#: MS-Z101-WH	OFFICE	180°, 81m2 (900 SQ.FT) MAJOR MOTION
RS	WALL MOUNTED DIGITAL TOUCHSCREEN 5", WHITE	LUTRON, ATHENA CAT#: Q-TOUCHS-WH	RECEPTION, FITNESS RM, GYM STORAGE #1&4	MAXIMUM WIRE LENGTH 100 m (328 FT)
OS A	WIRELESS OCCUPANCY VACANCY SENSOR, RF, PIR, WHITE	LUTRON, RADIO POWER SAVR SERIES CAT#: LRF2-OCR2B-P-WH	LOBBY, VEST, CORRID, MPR RM, MOVEMENT STUDIO, WC, STORAGE, RECEPT, LOAD RM	360°, 9m CEILING:13x13m 14m CEILING: 15x15m
OS B	WIRED OCCUPANCY SENSOR FOR HIGH-BAY AREA, PIR, 24V, WHITE	LUTRON CAT#: LUT-WSPSM24V-360-WH-CFN6111	TRIPLE GYM RM	360°, 2.4m CEILING:5.5x5.5m 2.7m CEILING: 6.1x6.1m, 3.0m CEILING: 6.7x6.7m
DL	WIRED CEILING MOUNTED DAYLIGHT SENSOR WITH INFARED RECEIVER, RF, WHITE	LUTRON CAT#: EC-DIR-WH	TRIPLE GYM RM	1 SENSOR FOR WINDOW FACE
QSM	WIRELESS CEILING MOUNTED SENSOR MODULE, 24-36V, 4 WIRED, RF, WHITE	LUTRON, QS SERIES CAT#: QSM2-4W-C	AS APPLICABLE	RF RANGE: 60 FT (18 M) LINE OF SIGHT OR 30 FT (9 M) THROUGH CONSTR.
QSN	CEILING MOUNT ENERGI SAVR NODE FOR 0-10V, 120-277VAC, 20A, RF, WHITE	LUTRON CAT#: QSN-4T20-S	AS APPLICABLE	TOTAL LENGTH UP TO 100M (300 FT)
ELI	EMERGENCY LIGHTING INTERFACE, 100-347VAC, 30 mA, 3PH	LUTRON CAT#: LUT-ELI-3PH	AS APPLICABLE	
SHNT	UL924 EMERGENCY OVERIDE DEVICE, SHUNT TYPE, 120VAC	LUTRON CAT#: LUT-SHUNT	AS APPLICABLE	
PP B	POWPAK RELAY MODULE WITH SOFTSWITCH, 120-277V	LUTRON, VIVE SERIES CAT#: RMJS-16R-DV-B	AS APPLICABLE	
PP A	POWERPAK, 120VAC, 24VDC, 16A	LUTRON CAT#: PP-DV	AS APPLICABLE	

GENERAL NOTES:

1. PROVIDE OCCUPANCY SENSORS COMPLETE WITH ALL POWER PACKS, MOUNTING HARDWARE AND ACCESSORIES, AS REQUIRED.

2. COORDINATE EXACT MOUNTING OF OCCUPANCY SENSORS ON SITE. MOUNT SENSORS WITH THE RECEIVERS FACING THE AREA OF COVERAGE. ULTRASONIC SENSORS TO BE PLACED A MINIMUM 1200mm AWAY FROM SUPPLY DUCTS AND 1800mm FROM HORIZONTAL DISCHARGE DUCTS.

3. ELECTRICAL SUBCONTRACTOR TO CALIBRATE SENSITIVITY AND COVERAGE OF EACH SENSOR AFTER INSTALLATION TO ENSURE PROPER OPERATION OF UNIT. COORDINATE TIME DELAY SETTINGS OF EACH SENSOR WITH THE CITY/CONTRACT ADMINISTRATOR.

4. REFER TO LIGHTING CONTROL SCHEDULE OF OPERATION IN SPECIFICATIONS FOR OCCUPANCY SENSOR PROGRAMMING REQUIRED.

3 E800 LIGHTING CONTROL SCHEDULE

Section 26 06 05.16 - LUMINAIRE SCHEDULE
Project Name: SWRC
Project number: 22522.000.E.001

File Name: 22522.000.E.001 Luminaire Schedule - REC

Smith + Andersen

TYPE	VOLT.	LAMP(S)	DIMENSIONS	DESCRIPTION	MANUFACTURER/CATALOGUE NUMBER	MINIMUM PERFORMANCE REQUIRED (DELIVERED)	LOCATED
INTERIOR LIGHTING							
R_LR1.4.3	120–277V	11.6 W LED 300 LM/FT 4000 K	LENGTH 4' W 2x3/8" H 3x1/4"	Beam 2 series recessed linear 4FT LED lighting fixture. Extruded aluminum housing, 80 CRI, batwing lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 2 SERIES CAT#: B2SQRLED-300-80-40-BW-4-W-UNV-DP-1	PER DWG	BUILDING INTERIOR
R_LR1.4.5	120–277V	19.4 W LED 300 LM/FT 4000 K	LENGTH 4' W 2x3/8" H 3x1/4"	Beam 2 series recessed linear 4FT LED lighting fixture. Extruded aluminum housing, 80 CRI, batwing lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 2 SERIES CAT#: B2SQRLED-500-80-40-BW-4-W-UNV-DP-1	PER DWG	BUILDING INTERIOR
R_LR1.4.7_5	120–277V	29.5 W LED 750 LM/FT 4000 K	LENGTH 4' W 2x3/8" H 3x1/4"	Beam 2 series recessed linear 4FT LED lighting fixture. Extruded aluminum housing, 80 CRI, batwing lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 2 SERIES CAT#: B2SQRLED-750-80-40-BW-4-W-UNV-DP-1	PER DWG	BUILDING INTERIOR
R_LR1.4.10	120–277V	40.1 W LED 1000 LM/FT 4000 K	LENGTH 4' W 2x3/8" H 3x1/4"	Beam 2 series recessed linear 4FT LED lighting fixture. Extruded aluminum housing, 80 CRI, batwing lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 2 SERIES CAT#: B2SQRLED-1000-80-40-BW-4-W-UNV-DP-1	PER DWG	BUILDING INTERIOR
R_LR1.6.3	120–277V	17.4 W LED 300 LM/FT 4000 K	LENGTH 6' W 2x3/8" H 3x1/4"	Beam 2 series recessed linear 6FT LED lighting fixture. Extruded aluminum housing, 80 CRI, batwing lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 2 SERIES CAT#: B2SQRLED-300-80-40-BW-6-W-UNV-DP-1	PER DWG	BUILDING INTERIOR
R_LR2.4.12	120–277V	78.4 W LED 1200 LM/FT 4000 K	LENGTH 4' W 4x5/32" H 3x15/16"	Beam 4 series recessed linear 4FT LED lighting fixture. Extruded aluminum housing, 80 CRI, batwing lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 4 SERIES CAT#: B8RLED-1200-80-40-BW-4-W-UNV-DP-1	PER DWG	BUILDING INTERIOR
R_LR3.8.4	120–277V	24.6 W LED 400 LM/FT 4000 K	LENGTH 8' W 5" H 3x15/16"	Beam 6 series recessed direct flush linear 8FT LED lighting fixture. Extruded aluminum housing, 80 CRI, spotless lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 6 SERIES CAT#: B6RLED-400-80-40-FL-8-W-UNV-DP-1	PER DWG	BUILDING INTERIOR
R_LR3.16.4	120–277V	49.1 W LED 400 LM/FT 4000 K	LENGTH 16' W 5" H 3x15/16"	Beam 6 series recessed direct flush linear 16FT LED lighting fixture. Extruded aluminum housing, 80 CRI, spotless lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 6 SERIES CAT#: B6RLED-400-80-40-FL-16-W-UNV-DP-1	PER DWG	BUILDING INTERIOR
R_LR4.8.3_5	120V	28.4 W LED 350 LM/FT 3500 K	LENGTH 8' W 3X7/8" H 3X7/8"	Ceiling line/Corner mounted ELLE LED 8 FT linear fixture. Extruded aluminum housing, 80 CRI, curved lens, 0–10V dimming to 1%	AXIS LIGHTING INC ELLE WALL SERIES CAT#: EL90-AR-350-80-35-CLS-8-W-120-DP	PER DWG	WASHROOM (R122)
R_LR4.10.3_5	120V	35.5 W LED 350 LM/FT 3500 K	LENGTH 10' W 3X7/8" H 3X7/8"	Ceiling line/Corner mounted ELLE LED 10 FT linear fixture. Extruded aluminum housing, 80 CRI, curved lens, 0–10V dimming to 1%	AXIS LIGHTING INC ELLE WALL SERIES CAT#: EL90-AR-350-80-35-CLS-S(10)-W-120-DP	PER DWG	WASHROOMS (R151, R153)
R_LP2.8.12	120–277V	78.4 W LED 1200 LM/FT 4000 K	LENGTH 8' W 4x3/16" H 4x7/8"	Beam 4 series pendant direct linear 8FT LED lighting fixture. Extruded aluminum housing, 80 CRI, batwing lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 4 SERIES CAT#: TB4SLED-1200-80-40-BW-8	PER DWG	BUILDING INTERIOR
R_LP2.24.6	120–277V	114.0 W LED 600 LM/FT 4000 K	LENGTH 24' W 4x3/16" H 4x7/8"	Beam 4 series pendant direct linear 24FT LED lighting fixture. Extruded aluminum housing, 80 CRI, batwing lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 4 SERIES CAT#: TB4SLED-600-80-40-BW-24	PER DWG	BUILDING INTERIOR
R_LS1.20.11	120–277V	186.5 W LED 1100 LM/FT 4000 K	LENGTH 20' W 2x1/2" H 3x7/8"	Beam 2 series wall mount indirect linear 20FT LED lighting fixture. Extruded aluminum housing, 80 CRI, asymmetric lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 2 SERIES CAT#: TB2WILED-1100-80-40-SLA-20	PER DWG	EAST-WEST CORRIDOR L1 (R170)
R_LS1.268.11	120–277V	2499.1 W LED 1100 LM/FT 4000 K	LENGTH 268' W 2x1/2" H 3x7/8"	Beam 2 series wall mount indirect linear 268FT LED lighting fixture. Extruded aluminum housing, 80 CRI, asymmetric lens, 0–10V dimming to 1%, 120–277V UNV, IC rated	AXIS LIGHTING INC BEAM 2 SERIES CAT#: TB2WILED-1100-80-40-SLA-268	PER DWG	EAST-WEST CORRIDOR L1 (R170)
R_LS2.10.3_5	120V/24V	69 W LED 350 LM/FT 3500 K	LENGTH 10' W 3x7/8" H 3/8"	Undercabinet surface LED lighting fixture. Extruded aluminum housing, 90 CRI, damp location rated c/w remote enclosure 100W	AXIS LIGHTING INC UNDERCABINET SERIES CAT#: BCUC-RUN-30(4)-90-W-SS-120-RDE10-LNK(3)	PER DWG	MPR SERVERY (R134)
R_P1.24	120–277V	18.0 W LED 4000 K	LENGTH 4' W 2x9/16" H 2x9/16"	4FT Linear LED striplight with frosted polycarbonate lens, 0–10V dimming to 10%, 120–277V UNV, surface/suspension mount.	COOPER LIGHTING SOLUTIONS METALUX SERIES CAT#: 4SLSTPSLC-UNV-LO-4000K	2418 LM	BUILDING INTERIOR
R_P1.36	120–277V	30.0 W LED 4000 K	LENGTH 4' W 2x9/16" H 2x9/16"	4FT Linear LED striplight with frosted polycarbonate lens, 0–10V dimming to 10%, 120–277V UNV, surface/suspension mount.	COOPER LIGHTING SOLUTIONS METALUX SERIES CAT#: 4SLSTPSLC-UNV-MID-4000K	3627 LM	BUILDING INTERIOR
R_P1.60	120–277V	46.0 W LED 4000 K	LENGTH 4' W 2x9/16" H 2x9/16"	4FT Linear LED striplight with frosted polycarbonate lens, 0–10V dimming to 10%, 120–277V UNV, surface/suspension mount.	COOPER LIGHTING SOLUTIONS METALUX SERIES CAT#: 4SLSTPSLC-UNV-HI-4000K	6045 LM	BUILDING INTERIOR
R_P2.40	120–277V	33.0 W LED 4000 K	LENGTH 8' W 2x9/16" H 2x9/16"	8FT Linear LED striplight with frosted polycarbonate lens, 0–10V dimming to 10%, 120–277V UNV, surface/suspension mount.	COOPER LIGHTING SOLUTIONS METALUX SERIES CAT#: 8SLSTPSLC-UNV-LO-4000K	4321 LM	BUILDING INTERIOR
R_P2.80	120–277V	63.0 W LED 4000 K	LENGTH 8' W 2x9/16" H 2x9/16"	8FT Linear LED striplight with frosted polycarbonate lens, 0–10V dimming to 10%, 120–277V UNV, surface/suspension mount.	COOPER LIGHTING SOLUTIONS METALUX SERIES CAT#: 8SLSTPSLC-UNV-MID-4000K	8141 LM	BUILDING INTERIOR
R_P2.110	120–277V	85.0 W LED 4000 K	LENGTH 8' W 2x9/16" H 2x9/16"	8FT Linear LED striplight with frosted polycarbonate lens, 0–10V dimming to 10%, 120–277V UNV, surface/suspension mount.	COOPER LIGHTING SOLUTIONS METALUX SERIES CAT#: 8SLSTPSLC-UNV-HI-4000K	11119 LM	BUILDING INTERIOR
R_P3.9	120–277V	10.0 W LED 4000 K	D 4" H 12-3/16"	Surface mount 4" lens LED cylinder, medium distribution reflector, 0–10V dimming to 1% c/w 36" matte white pendant stem kit	COOPER LIGHTING HALO SERIES CAT#: HCC4S 10 D010 MW + HCC8P36MW	1000 LM	BUILDING INTERIOR
R_P4.150	120–277V	150.0 W LED 4000 K	L 16" W 16" H 4.75"	Quad pendant low profile LED High Bay lighting fixtures. Die-Cast aluminum housing,80 CRI, asymmetric distribution, 0–10V Dimming to 1%, 120–277V UNV, IP66 rated, stainless steel clips.	BELUCE CANADA BOXLED SERIES CAT#: BL736-LED-HT-LO-ASY-WT40-120-277V-SS	15000 LM	TRIPLE GYM
R_D1.11	120–277V	12.6 W LED 4000 K	D 6"	Architectural 6" round LED Downlight fixture with direct lighting distribution, 0–10V dimming to 1% c/w round medium 70 distribution reflector, finish matte white	COOPER LIGHTING HALO SERIES CAT#: HCD2LB LS510 L10 940 D + HCD6TRMW	1000 LM	BUILDING INTERIOR
R_D1.20	120–277V	20.8 W LED 4000 K	D 6"	Architectural 6" round LED Downlight fixture with direct lighting distribution, 0–10V dimming to 1% c/w round medium 70 distribution reflector, finish matte white	COOPER LIGHTING HALO SERIES CAT#: HCD2LB LS1525 L20 940 D + HCD6TRMW	2000 LM	BUILDING INTERIOR
R_D2.7	120–277V	9.6 W LED 4000 K	D 4"	Architectural 4" round LED Downlight fixture with direct lighting distribution, 0–10V dimming to 1% c/w round medium 70 distribution reflector, finish matte white	COOPER LIGHTING HALO SERIES CAT#: HCD2LB LS510 L07 940 D + HCD4TRMW	750 LM	BUILDING INTERIOR
R_W1	120V	8.0 W/FT LED 600 LM/FT 3500 K	LENGTH 2' W 3x15/16" H 3x7/16"	2FT Wall surface mount LED lighting fixture. Extruded aluminum housing, 80 CRI, satin lens, 0–10V dimming to 1%, 120V UNV, damp location rated	AXIS LIGHTING INC CAT#: ARWLED-600-80-35-S-2-W-120V-DP	PER DWG	STAIRS
R_W2	120–277V	17.7 W LED 3500 K	D 4