

MECHANICAL/ELECTRICAL ADDENDUM

ME-01

Architect: GOW Hastings Architects

Date: 2024-10-10

Project: Scanlon Creek Nature Centre

Project No.: 23-088

This addendum forms part of the contract documents and amends the original bidding requirements, drawings and specifications noted below.

1 GENERAL

2 ELECTRICAL

2.1 DRAWINGS

Refer to Drawing No. E101 Luminaire Schedule, E400 Lower Level Floor Plan Power and Systems, E401 Level 1 Floor Plan Power and Systems, E500 Panel Schedules, E600 Single Line Diagram and Fire Alarm Riser Diagram and Fire Alarm Schedule.

1. As indicated in drawing E101.1 issued herewith:
 - a. Updated Luminaire description for Type ME, UE, and UF.
2. As indicated in drawing E400.1 issued herewith:
 - a. Updated electrical information for FC-7.
 - b. Removed duct smoke detector for DOAS-1.
 - c. VFR-1 (1 of 2) and VFR-1 (2 of 2) removed from Panel 'A' added to Switchboard 'SWBD'.
 - d. Electrical heater schedule added for ceiling mounted unit heaters.
3. As indicated in drawing E401.1 issued herewith:
 - a. Relocated Panels 'B', 'C', and 'D' to be coordinated with architectural plans.
4. As indicated in drawing E500.1 issued herewith:
 - a. VFR-1 (1 of 2) and VFR-1 (2 of 2) removed from Panel 'A'.
5. As indicated in drawing E600.1 issued herewith:
 - a. Removed mechanical room duct smoke detector on lower level from fire alarm schedule and fire alarm riser diagram.
 - b. Added VFR-1 (1 of 2) and VFR-1 (2 of 2) to 'SWBD' on single line diagram.
 - c. Updated Feeder schedule to add new feeder type.

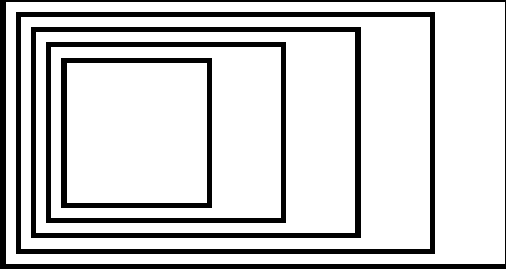
END OF ADDENDUM ME-01

LUMINAIRE SCHEDULE

NOTES:

1. CONTRACTOR AND FIXTURE SUPPLIER ARE RESPONSIBLE TO PROVIDE ALL PLASTER AND FINISHING FRAMES. MOUNTING HARDWARE. AND ACCESSORIES TO SUIT ARCHITECTURAL CEILING SCHEDULE.
2. CONTRACTOR TO PROVIDE DIMMING SWITCHES THAT ARE COMPATIBLE WITH THE SPECIFIED DIMMING DRIVERS.
3. LUMINAIRES WITH LENS FACING IN THE DOWNWARD POSITION SHALL NOT HAVE EXPOSED/VISIBLE PHOSPHORUS WHEN THE LUMINAIRE IS NOT POWERED. SHOP DRAWINGS MUST EXPLICITLY STATE CONFORMANCE TO THIS REQUIREMENT. ABSENCE OF THIS STATEMENT WILL RESULT IN A REQUEST FOR RESUBMISSION.

TYPE	REFERENCE ARCHITECTURAL TYPE	DESCRIPTION	LAMPS	Wattage Comments	Total Wattage	MTG
BA	L13	EXTERIOR LOUVER LED BOLLARD C/W EXTRUDED ALUMINUM HOUSING, SUITABLE FOR WET LOCATIONS, CLEARSITE LENS, BLACK SANDTEX FINISH, 3000K, 80CRI, 120V AND 0-10V DIMMING DRIVER. LUMENPULSE BLDB TM1 120 3FT CSL N10 30K CRI 80 3BLS LV BK DIM	1000 LM	86 LM/W	12 W	SURFACE MOUNTED
DA	L3	EXTERIOR 5" (127mm) ROUND LED DOWNLIGHT LUMINAIRE C/W STAINLESS STEEL HARDWARE, 10-80 DEGREES DISTRIBUTION SPUN ALUMINUM REFLECTORS, SUITABLE FOR WET LOCATION, HONEYCOMB LOUVER OPTICAL LENS, TGIC POLYESTER POWDER COAT FINISH, 3000K, 83CRI, 120V AND 0-10V DIMMING DRIVER. ALW CRY3WL-20-83-30-60-HL-D(DEEP CANOPY)-V10-S-XX(FINISH TBC)-SS4"	2000 LM	19.5 W	20 W	RECESSED
FA	L8e	1" (304.8mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LW1-W-S1-D(DRYWALL DRIVER)-FF(FLAT)-Y6(55UP/45DOWN)-9-30(3000K)-D-F2-M	2300 LM	20 W	20 W	WALL MOUNTED
LA	L7a	20' (6096mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, SUSPENSION CORD, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-R(REMOTE DRIVER)-12-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-A(SAIL END CAP)	2950 LM/4FT, 14750LM	22 W/4FT	110 W	SUSPEND
LB	L7b	8' (2438.4mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, SUSPENSION CORD, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-R(REMOTE DRIVER)-12-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-A(SAIL END CAP)	2950 LM/4FT, 5900LM	22 W/4FT	44 W	SUSPEND
LC	L7d	18' (5486.4mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, SUSPENSION CORD, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-G(GRID)-06-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-A(SAIL END CAP)	2950 LM/4FT, 13275LM	22 W/4FT	99 W	SUSPEND
LE	L7c	11' (3355mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, SUSPENSION CORD, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-G(GRID)-06-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-A(SAIL END CAP)	2950 LM/4FT, 8112.5LM	22 W/4FT	61 W	SUSPEND
LF	L2a	EXTERIOR 4' (1219mm) LED LINEAR LUMINAIRE C/W EXTRUDED ALUMINUM HOUSING, SUITABLE FOR WET LOCATION, EXTRUDED TWIN-LAYERED HIGH IMPACT ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. ALW LP3.5WDWL-S4-MED/90/3000-V01-EXT/F-XX(FINISH TBC)-UNV-N	870 LM/FT, 3480LM	8.4W/FT	34 W	WALL MOUNTED
LG	L11	4' (1219mm) LED LINEAR LUMINAIRE C/W EXTRUDED ALUMINUM HOUSING, FLUSH LENS, SATIN WHITE FINISH, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. ALW LIGHTING LPX-2-R-GRID(GRID TBC)-FN-S4FT-07-30-90-SL-V01-SW-UNV-N-N-N	750 LM/FT, 3000LM	6.3 W/FT	25 W	RECESSED
LH	L7e	16' (4876mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, SUSPENSION CORD, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-R(REMOTE DRIVER)-12-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-A(SAIL END CAP)	2950 LM/4FT, 11800LM	22 W/4FT	88 W	SUSPEND
LK	L8b	53' + 13' (16155mm+3960mm) LED LINEAR LUMINAIRE L-SHAPED C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, SUSPENSION CORD, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-R(REMOTE DRIVER)-12-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-A(SAIL END CAP)-13ftx53ft RUN XX(RUNS TBC PER RCP)+ LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC)-Y6(55UP/45DOWN)-9-30(3000K)-E-F2-ML-13ftx53ft XXFT(RUNS TBC AS PER RCP)-J-F-D	2950 LM/4FT, 39825LM	22 W/4FT	369 W	SUSPEND / WALL MOUNTED
LL	L8q	42' (12801mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-R(REMOTE DRIVER)-12-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-A(SAIL END CAP)-42FT RUN XX(RUNS TBC PER RCP)-J-F-D	2950 LM/4FT, 30975LM	22 W/4FT	231 W	WALL MOUNTED
LN	L8d	8' (2438mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC)-Y6(55UP/45DOWN)-9-30(3000K)-E-F2-ML-8FT-J-F-D	2950 LM/4FT, 2950LM	25 W/4FT	50 W	WALL MOUNTED
LO	L8m	9' (2743mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC)-Y6(55UP/45DOWN)-9-30(3000K)-E-F2-ML-(3)3FT-J-F-D	2950 LM/4FT, 2950LM		25 W	WALL MOUNTED
LP	L10	8' (2438mm) LED LINEAR LUMINAIRE C/W COLD-ROLLED STEEL HOUSING, POLYCARBONATE FROSTED LENS, UTECHNOLOGY UT-LLS-8FT	6500 LUMENS	50W	50 W	SURFACE MOUNTED
LQ	L10	8' (2438mm) LED LINEAR LUMINAIRE C/W COLD-ROLLED STEEL HOUSING, POLYCARBONATE FROSTED LENS, WIRE GUARD. UTECHNOLOGY UT-LLS-8FT-SK-WG	6500 LUMENS	50W	50 W	CHAIN SUSPEND
LR	L15	10" (254mm) LED LINEAR LUMINAIRE C/W ALUMINUM & STEEL HOUSING, CLEAR ACRYLIC LENS, WHITE FINISH, 3000K, 90CRI, 120-277V AND 0-10V DIMMING DRIVER 1%. FLUXWERX HYPHEN RECESSED – HY1-R-S1-D-K2-W-W-M1-30-A-F2-M	870 LM/FT, 3480LM	8.4W/FT	34 W	RECESSED
LS	L8c	7' (2135mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC	2950 LM/4FT, 5163LM	25W/4FT	44 W	WALL MOUNTED
LT	L14	26' (7924mm) LED LINEAR LUMINAIRE C/W EXTRUDED ALUMINUM HOUSING, FLUSH LENS, SATIN WHITE FINISH, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. ALW LIGHTING LPX-2-R-TBC-FN-S4FT-07-30-90-SL-V01-SW-UNV-N-N-N	750 LM/FT, 19500LM		25 W	RECESSED
LU	L14	22' (6706mm) LED LINEAR LUMINAIRE C/W EXTRUDED ALUMINUM HOUSING, FLUSH LENS, SATIN WHITE FINISH, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. ALW LIGHTING LPX-2-R-TBC-FN-S4FT-07-30-90-SL-V01-SW-UNV-N-N-N	750 LM/FT, 16500LM		25 W	RECESSED
LW	L16	10" (254mm) LED LINEAR LUMINAIRE C/W ALUMINUM & STEEL HOUSING, CLEAR ACRYLIC LENS, WHITE FINISH, 3000K, 90CRI, 120-277V AND 0-10V DIMMING DRIVER 1%. FLUXWERX HYPHEN RECESSED – HY1-R-S1-D-K2-W-W-E1-30-B-F2-M	3000 LM/4FT, 4500LM	13W	38 W	RECESSED
MA	L8a	18' (5486mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC)-Y6(55UP/45DOWN)-9-30(3000K)-E-F2-ML-18FT-J-F-D	3000 LM/4FT, 13500LM	25 W/4FT	113 W	WALL MOUNTED
MB	L8r	10' (3050mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC)-Y6(55UP/45DOWN)-9-30(3000K)-E-F2-ML-9FT-J-F-D + 11' (3355mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, SUSPENSION CORD, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-G(GRID)-06-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-A(SAIL END CAP)	3000 LM/4FT, 7500LM	25 W/4FT	63 W	SUSPEND & WALL MOUNTED
MC	L8f	50' (15240mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, SUSPENSION CORD, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LN1-P-0-G(GRID)-12-XX(FIXTURE FINISH TBC)-XX(CANOPY FINSIH TBC)-W3(35UP/65DOWN)-9-30(3000K)-E-F2-M-V(2 way pivot)-A(SAIL END CAP)- 11ftx11ft x4ftx12ftx12ft XXFT XX(RUNS TBC PER RCP)+ LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC)-Y6(55UP/45DOWN)-9-30(3000K)-E-F2-ML-11ftx11ft x4ftx12ftx12ft XXFT(RUNS TBC AS PER RCP)-J-F-D	2950 LM/4FT, 8112.5LM	22 W/4FT	61 W	SUSPEND & WALL MOUNTED
MD	L8p	10' (3050mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC)-Y6(55UP/45DOWN)-9-30(3000K)-E-F2-ML-10FT-J-F-D	3000 LM/4FT, 7500LM	25W/4FT	81 W	WALL MOUNTED
ME	L4	EXTERIOR 98" (29880mm) LED LINEAR LUMINAIRE C/W LOW COPPER CONTENT EXTRUDED ALUMINUM HOUSING, SUITABLE FOR WET LOCATION, FROSTED TEMPERED LENS, BLACK SANDTEX FINISH, 3000K, 80CRI, 120V AND 0-10V DIMMING DRIVER. LUMENPULSE LUMENFACADE PURE LFP-CR-UL-120_277-XX-17W-30K-80-90W-FR-RF-DIM-NVR-SM-XD-BK-NA + LEADER CABLE PER RUN	3592 LM	15.25 W/FT	61 W	SURFACE COVE
MF	L8h	5' (1525mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC	3000 LM/4FT, 3750LM	25W/4FT	31 W	WALL MOUNTED
MG	L8j	3' (915mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC	3000 LM/4FT, 2250LM		31 W	WALL MOUNTED
MK	L2b	EXTERIOR 2' (609.5mm) LED LINEAR LUMINAIRE C/W EXTRUDED ALUMINUM HOUSING, SUITABLE FOR WET LOCATION, EXTRUDED TWIN-LAYERED HIGH IMPACT ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. ALW LP3.5WDWL-S2-MED-90-3000K-V01-EXT/F-XX(FINISH TBC)-UNV-N	870 LM/FT, 1740LM	8.4W/FT	17 W	CELING MOUNTED
ML	L8n	13' (3960mm) LED LINEAR LUMINAIRE C/W 22 GAUGE STEEL HOUSINGS, PRECISION MOLDED HIGH TRANSMITTANCE CLEAR ACRYLIC LENS, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. FLUXWERX LINES LNW-A-0- D(DRYWALL DRIVER)-W1-XX(FIXTURE FINISH TBC)-Y6(55UP/45DOWN)-9-30(3000K)-E-F2-ML-13FT-J-F-D	3000 LM/4FT, 4500LM	25W/4FT	38 W	WALL MOUNTED
SA	L12	EXTERIOR LED LIGHT POLE C/W EXTRUDED ALUMINUM HOUSING, SUITABLE FOR WET LOCATION, CLEARSITE LENS, TYPE 3 DISTRIBUTION, BACKLIGHT SHIELD, CORROSION RESISTANT COATING, 23' 4" SQUARE POLE. LUMENPULSE LUMENBLADE BLDS-SD-L120-CSL-L120-30K-CRI 90-3BLS-TBC-DIM-CRC-MD30N-SPA4	12000LM		0 W	POLE AT 23'
UD	L9	7'-6" (2286mm) UNDERCOUNTER LED LINEAR LUMINAIRE C/W ANODIZED ALUMINUM HOUSING, POLYCARBONATE LENS, BRUSHED SILVER FINISH, 3000K, 0-10V DIMMING DRIVER. UTECHNOLOGY UTECH UT-PR-ST-SL-HD-3000K-400 PER FT-IP20-UNV-FRONT- PROXIMITY SENSOR UT-SEN-PIR-BK	400 LM/FT, 3000LM	60 W	60 W	SURFACE MOUNTED
UE	L1	EXTERIOR 4' (1219mm) LED LINEAR LUMINAIRE C/W LOW COPPER CONTENT EXTRUDED ALUMINUM HOUSING, SUITABLE FOR WET LOCATION, FROSTED TEMPERED LENS, BLACK SANDTEX FINISH, 3000K, 80CRI, 120V & 0-10V DIMMING DRIVER. LUMENPULSE LUMENFACADE PURE STANDALONE LFP-SA-UL-120_277-48"-10W-30K-80-90X90-FR-NF-DIM-NVR-WMC1-XD-BK-NA-LFLC	3592 LM	10 W/FT	34 W	CELING MOUNTED
UF	L5	EXTERIOR 4' (1219mm) LED LINEAR LUMINAIRE C/W LOW COPPER CONTENT EXTRUDED ALUMINUM HOUSING, SUITABLE FOR WET LOCATION, FROSTED TEMPERED LENS, BLACK SANDTEX FINISH, 3000K, 80CRI, 120V AND 0-10V DIMMING DRIVER. LUMENPULSE LUMENFACADE PURE LFP-CR-UL-120_277-48"-3.75W-30K-80-VWV-FR-RF-DIM-NVR-SM-XD-BK-NA + LEADER & JUMPER CABLES	3592 LM	3.75 W/FT	20 W	WALL MOUNTED
UG	L6	EXTERIOR SPOTLIGHT C/W LOW COPPER CONTENT HIGH PRESSURE DIE-CAST ALUMINUM HOUSING, HEAVY ALUMINUM YOKE, SUITABLE FOR WET LOACTION, CLEAR TEMPERED GLASS LENS, BLACK SANDTEX FINISH, 3000K, 90CRI, 120V AND 0-10V DIMMING DRIVER. LUMENPULSE LBS 120 30K FL LSLH BK DIM SK CRC UL 10FT BK	1163 LM	14W	14 W	STAKE MOUNTED



GOW HASTINGS
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5	ADDENDUM ME-01	2024-10-10
4	ISSUED FOR TENDER	2024-09-24
3	ISSUED FOR 100%	2024-08-29
2	ISSUED FOR PERMIT	2024-08-16
1	ISSUED FOR 60% PROGRESS	2024-07-12

No.	ISSUED/REVISED	DATE
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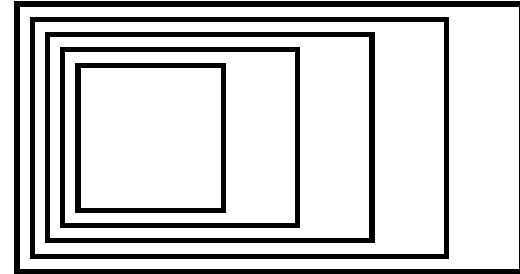
SCANLON CREEK NATURE CENTER

2450 LINE 9, BRADFORD, ON

LUMINAIRE SCHEDULE

Scale:	
Project Number: 23-088	
Drawn By: SD/YY	
Checked By: PR/ELC	

E101.1



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5	ADDENDUM ME-01	2024-10-10
4	ISSUED FOR TENDER	2024-09-24
3	ISSUED FOR 100%	2024-08-29
2	ISSUED FOR PERMIT	2024-08-16
1	ISSUED FOR 60% PROGRESS	2024-07-12

No.	ISSUED/REVISED	DATE
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SCANLON CREEK NATURE CENTER

2450 LINE 9, BRADFORD, ON

LOWER LEVEL FLOOR
PLAN - POWER &
SYSTEMS

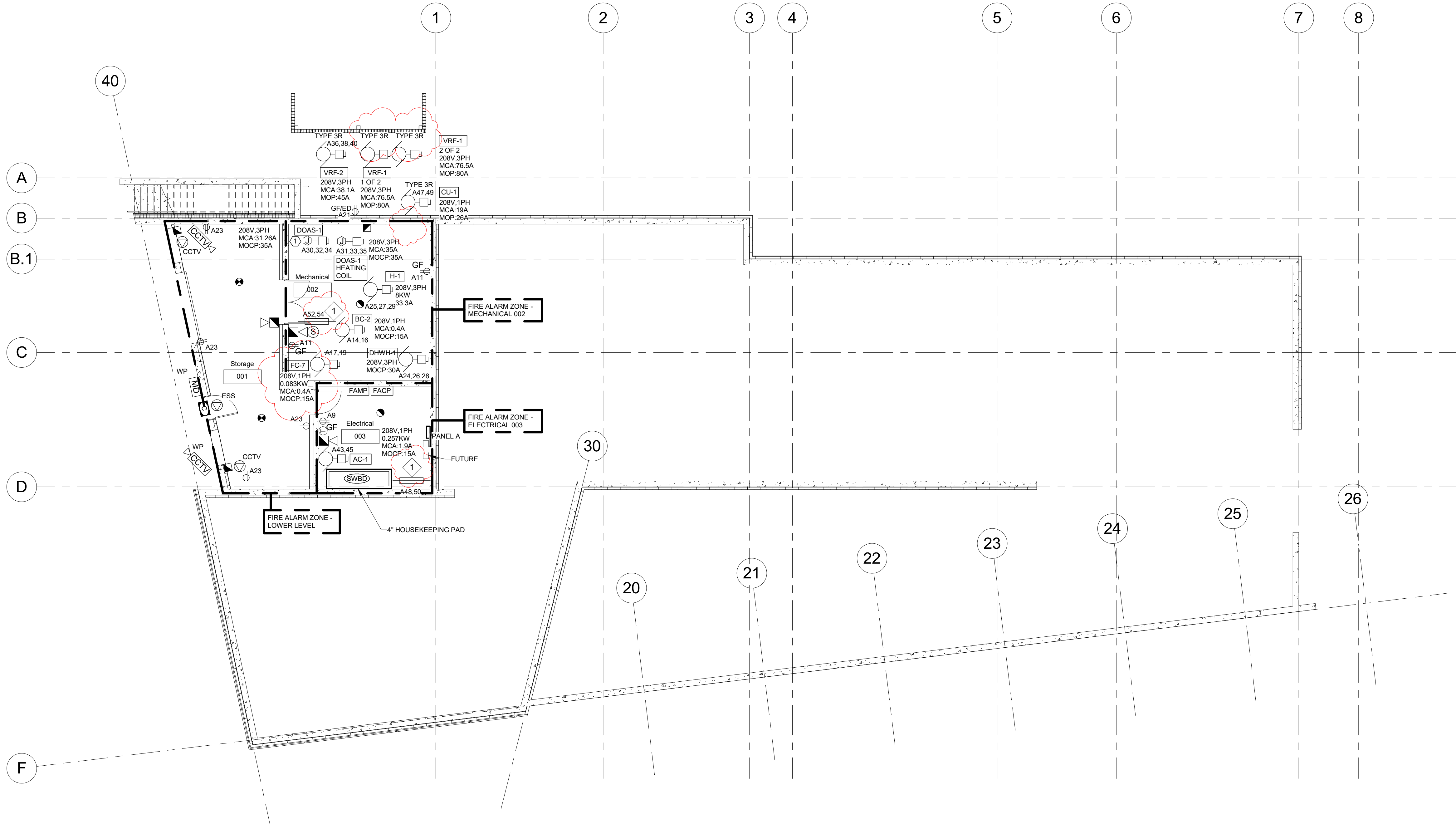
Scale: As indicated

Project Number:
23-088

Drawn By:
SD/YY

Checked By:
PR/ELC

E400.1



1 LOWER LEVEL - POWER & SYSTEMS

1 : 100

ELECTRIC HEATER SCHEDULE

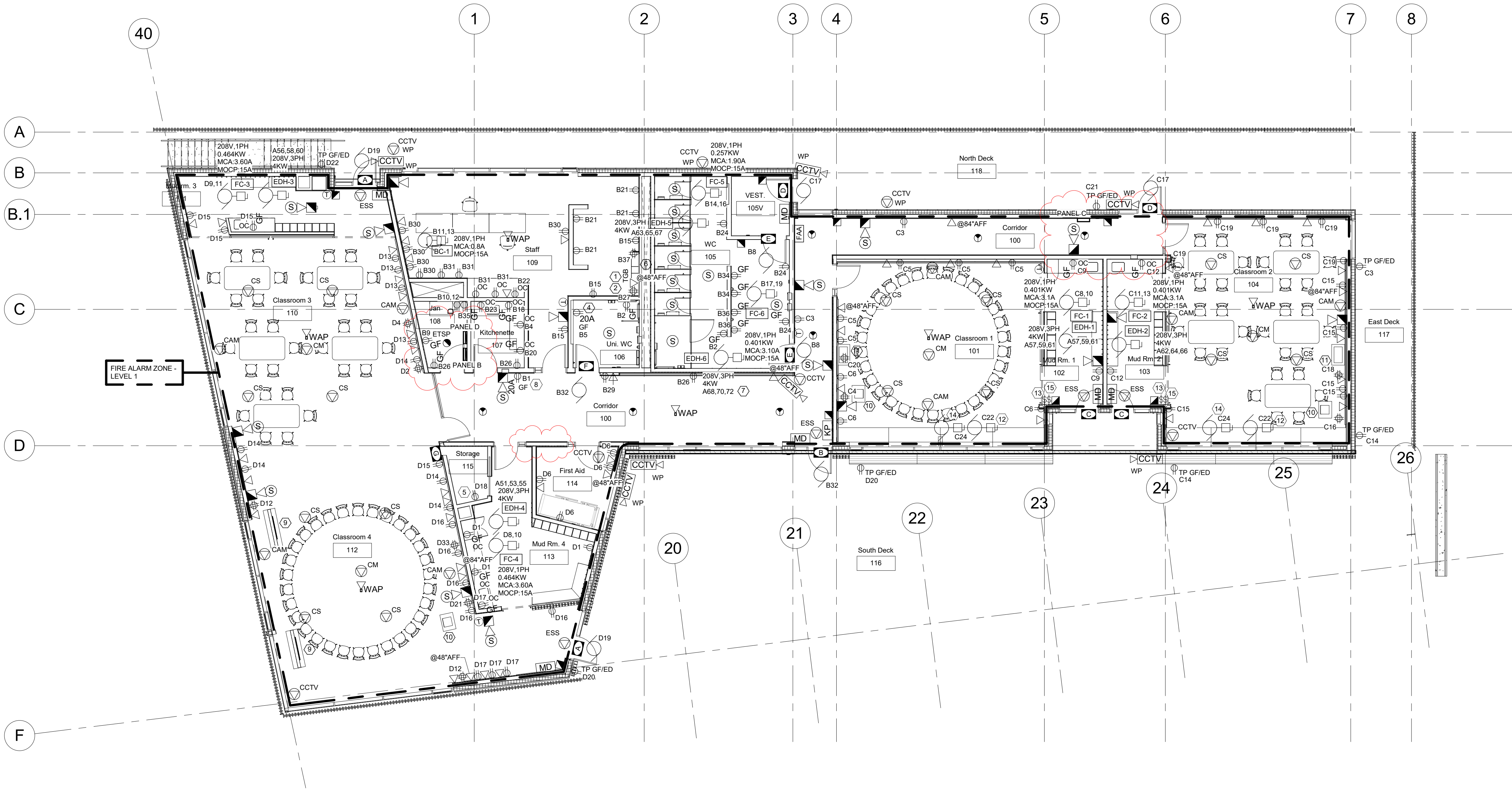
TAG	WATTS	VOLTS	TYPE	MOUNTING TYPE	DESCRIPTION	OUELLET#
1	1500W	208V 1Ø	UNIT HEATER	CEILING MOUNTED	ALMOND EPOXY/POLYESTER POWDER PAINT C/W UNIT-MOUNTED DISCONNECT SWITCH AND THERMOSTAT	OHV02000AM

POWER AND SYSTEMS GENERAL NOTES

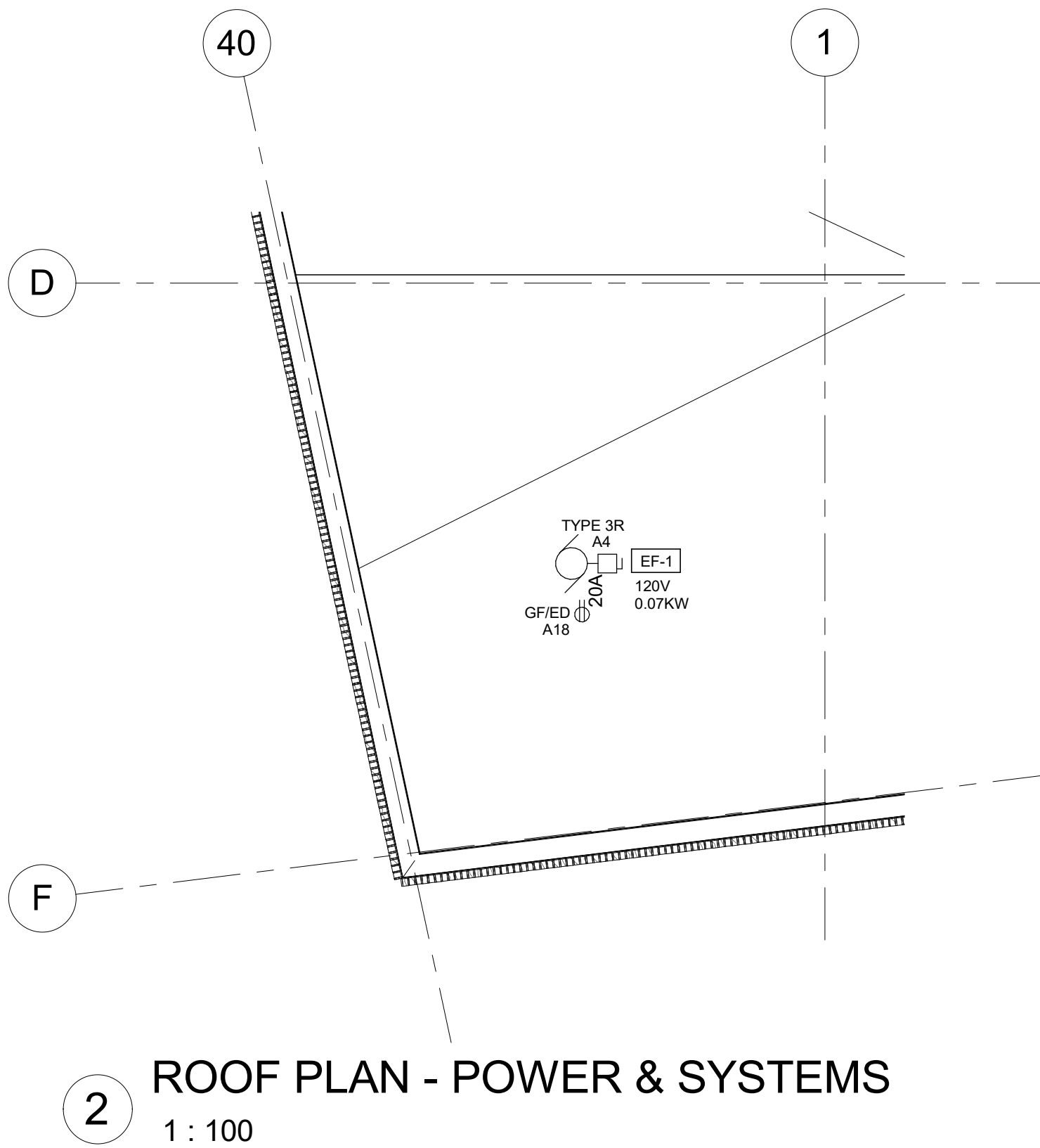
- DO NOT SCALE DRAWINGS FOR INSTALLATION PURPOSES. OBTAIN ALL DIMENSIONS FROM ARCHITECTURAL PLANS, MANUFACTURER'S SHOP DRAWINGS, AND ON SITE INSPECTIONS.
- PRIOR TO INSTALLATION OF BOXES IN WALLS, VERIFY THAT NO INTERFERENCES EXIST. CHECK ARCHITECTURAL PLANS AND ELEVATIONS.
- MECHANICAL AND ELECTRICAL TRADES SHALL WORK IN CONJUNCTION WITH ONE ANOTHER SO AS TO AVOID INTERFERENCES BETWEEN PIPING, DUCTWORK, CONDUIT, LIGHTING LUMINAIRES, ETC.
- REVIEW ARCHITECTURAL, MECHANICAL, AND STRUCTURAL, ELECTRONIC SAFETY AND SECURITY, AUDIOVISUAL, AND COMMUNICATIONS DRAWINGS AND PROVIDE ON SITE INSPECTIONS TO DETERMINE FULL EXTENT OF PROJECT PRIOR TO SUBMITTING BID.
- REFER TO DOOR DETAILS ON SHEET E700 FOR ADDITIONAL INFORMATION.
- EXCEPT FOR THE FOLLOWING AREAS, PROVIDE TAMPER-RESISTANT RECEPTACLES FOR ALL INDOOR AND EXTERIOR 15AMP AND 20AMP 120V RECEPTACLES (TYPES 5-15R AND 5-20R):
 - MECHANICAL 002
 - ELECTRICAL 003
 - JANITOR 108

POWER AND SYSTEMS KEY NOTES

- 1 INSTALL 600V-208V 3 PHASE TRANSFORMER SUPPLIED BY MECHANICAL CONTRACTOR



1 LEVEL 1 - POWER & SYSTEMS
1 : 100



2 ROOF PLAN - POWER & SYSTEMS
1 : 100

POWER AND SYSTEMS GENERAL NOTES		
1.	DO NOT SCALE DRAWINGS FOR INSTALLATION PURPOSES. OBTAIN ALL DIMENSIONS FROM ARCHITECTURAL PLANS, MANUFACTURER'S SHOP DRAWINGS, AND ON SITE INSPECTIONS.	
2.	PRIOR TO INSTALLATION OF BOXES IN WALLS, VERIFY THAT NO INTERFERENCES EXIST. CHECK ARCHITECTURAL PLANS AND ELEVATIONS.	
3.	MECHANICAL AND ELECTRICAL TRADES SHALL WORK IN CONJUNCTION WITH ONE ANOTHER SO AS TO AVOID INTERFERENCES BETWEEN PIPING, DUCTWORK, CONDUIT, LIGHTING LUMINAIRES, ETC.	
4.	REVIEW ARCHITECTURAL, MECHANICAL, AND STRUCTURAL, ELECTRONIC SAFETY AND SECURITY, AUDIOVISUAL, AND COMMUNICATIONS DRAWINGS AND PROVIDE ON SITE INSPECTIONS TO DETERMINE FULL EXTENT OF PROJECT PRIOR TO SUBMITTING BID.	
5.	REFER TO DOOR DETAILS ON SHEET E700 FOR ADDITIONAL INFORMATION.	
6.	EXCEPT FOR THE FOLLOWING AREAS, PROVIDE TAMPER-RESISTANT RECEPTACLES FOR ALL INDOOR AND EXTERIOR 15AMP AND 20AMP 120V RECEPTACLES (TYPES 5-15R AND 5-20R):	
	a. MECHANICAL 002	
	b. ELECTRICAL 003	
	c. JANITOR 108	

POWER AND SYSTEMS KEY NOTES	
1	PROVIDE #6 GROUNDING WIRE C/W 2 HOLE COMPRESSION LUGS.
2	#6 INSULATED STRANDED COPPER GROUND WIRE IN 27mm (1") CONDUIT TO MAIN GROUND BUS BAR IN MAIN ELECTRICAL ROOM 003
3	COORDINATE RECEPTACLE INSTALLATION WITH MILLWORK CONTRACTOR PRIOR TO ROUGH-IN.
4	COORDINATE POWER REQUIREMENTS AND LOCATIONS WITH CHANGE TABLE SUPPLIER PRIOR TO ROUGH-IN.
5	PROVIDE POWER CONNECTION FOR OPERABLE PARTITION. REFER TO DETAIL G ON SHEET E700 FOR ADDITIONAL INFORMATION.
6	PROVIDE 72" X 96" X 3/4" COMMUNICATIONS AND SECURITY BACKBOARD C/W TWO DEDICATED RECEPTACLES.
7	PROVIDE 1/2" (12mm) CONDUIT TO AV RACK IN STAFF ROOM 109
8	PROVIDE POWER CONNECTION FOR BOTTLE FILLER. COORDINATE POWER REQUIREMENTS WITH BOTTLE FILLER SUPPLIER PRIOR TO ROUGH-IN.
9	PROVIDE POWER AND DATA CONNECTION FOR SCREEN HIVE MEDIA SCREEN
10	PROVIDE POWER AND DATA CONNECTION FOR PORTABLE EQUIPMENT PODIUM
11	PROVIDE POWER AND DATA CONNECTION FOR PROJECTOR
12	PROVIDE POWER CONNECTION FOR MOTORIZED BLINDS. COORDINATE EXACT POWER REQUIREMENTS AND LOCATIONS WITH BLINDS SUPPLIER PRIOR TO ROUGH-IN.
13	CONNECT CONTROL SWITCH TO MOTORIZED BLINDS. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH BLINDS SUPPLIER PRIOR TO ROUGH-IN.
14	PROVIDE POWER CONNECTION FOR MOTORIZED OPERABLE WINDOWS. COORDINATE EXACT POWER REQUIREMENTS AND LOCATIONS WITH WINDOWS SUPPLIER PRIOR TO ROUGH-IN.
15	CONNECT CONTROL SWITCH TO MOTORIZED OPERABLE WINDOWS. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH WINDOWS SUPPLIER PRIOR TO ROUGH-IN.

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VR

ENGINEERING FORWARD

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5	ADDENDUM ME-01	2024-10-10
4	ISSUED FOR TENDER	2024-09-24
3	ISSUED FOR 100%	2024-08-29
2	ISSUED FOR PERMIT	2024-08-16
1	ISSUED FOR 60% PROGRESS	2024-07-12

No.	ISSUED/REVISED	DATE
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SCANLON CREEK NATURE CENTER

2450 LINE 9, BRADFORD, ON

LEVEL 1 FLOOR PLAN -
POWER & SYSTEMS

Scale: As indicated	
Project Number: 23-088	
Drawn By: SD/YY	
Checked By: PR/ELC	



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[illegible]

0	25	REC-EMERGENCY BATTERY UNIT EB3	15 A	1	200 VA	600 VA			1	15 A	REC-JAN, CORRIDOR, KITCHENETTE	26
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Legend:
O=LOCKABLE BREAKER

Legend:
O=LOCKABLE BREAKER

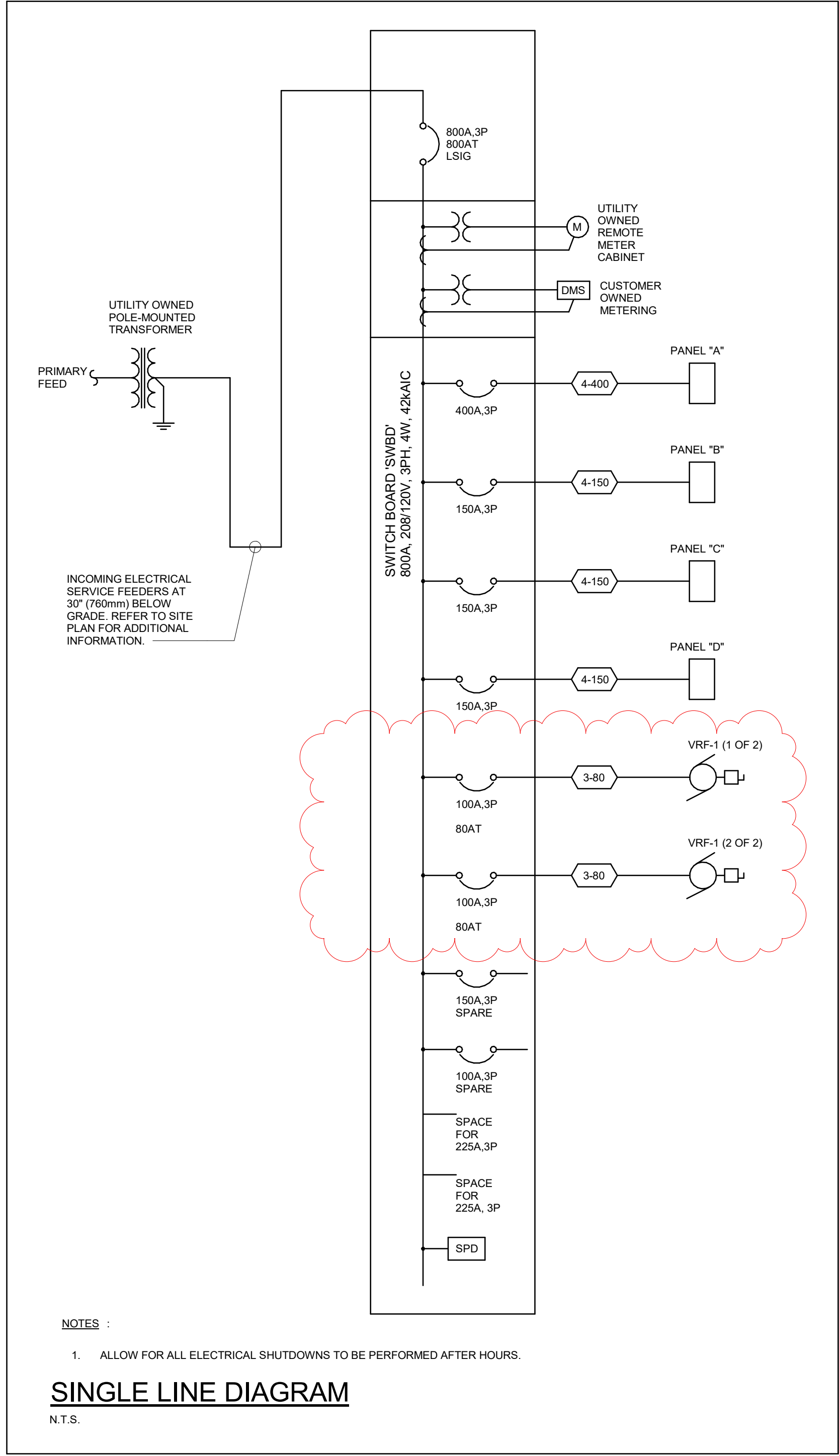
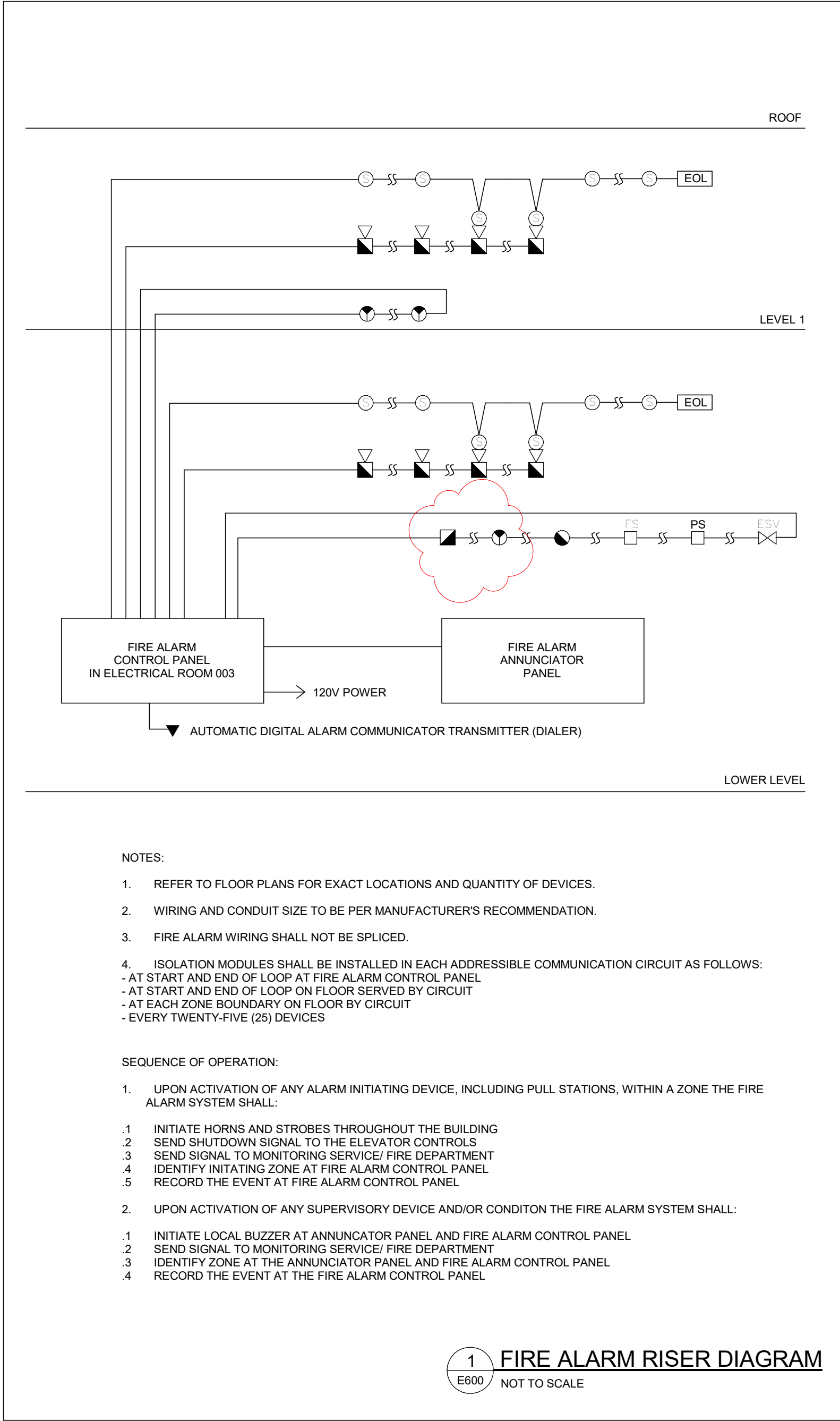
No.	ISSUED/REVISED	DATE
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2450 LINE 9, BRADFORD, ON

Scale:	
Project Number: 23-088	
Drawn By: SD/YY	
Checked By: PR/ELC	

E500.1

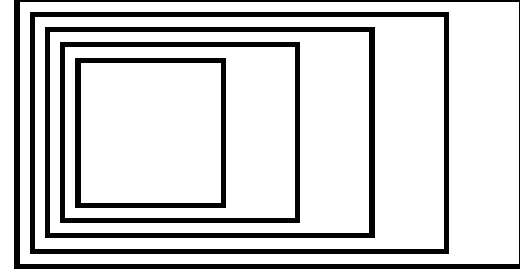
FIRE ALARM SCHEDULE						
IDENTIFICATION	DEVICE	FUNCTION				DESCRIPTION
		AL	SUPV	CONT	ANNUN	
LOWER LEVEL	LOWER LEVEL	x				LOWER LEVEL FIRE ALARM
	LOWER LEVEL	x				
	LOWER LEVEL	x				
MECHANICAL 002	LOWER LEVEL	x				MECHANICAL ROOM HEAT DETECTOR
	LOWER LEVEL	x				MECHANICAL ROOM FIRE ALARM HORN AND STROBE LIGHT
ELECTRICAL 003	LOWER LEVEL	x				ELECTRICAL ROOM HEAT DETECTOR
	LOWER LEVEL	x				ELECTRICAL ROOM FIRE ALARM HORN
LEVEL 1	LEVEL 1	x				LEVEL 1 FIRE ALARM
	LEVEL 1	x				
	LEVEL 1	x				
	LEVEL 1	x				
	LEVEL 1	x				
	LEVEL 1	x				
	LEVEL 1	x				
NOTES:						
1. CONFIRM F.A. ZONE IDENTITY WITH CONSULTANT/OWNER PRIOR TO PROGRAMMING.						



FEEDER SCHEDULE

TAG	QUANTITY & SIZE OF CONDUCTORS AND CONDUITS	FEEDER AMPACITY
4-400	2 (4 #3/0 + #6 GROUND IN 2-1/2" (63mm) CONDUIT)	400
4-150	4 #1/0 + #6 GROUND IN 2" (53mm) CONDUIT	150
3-80	3 #4 + #8 GROUND IN 1-1/4" (35mm) CONDUIT	80

- NOTES:
- ALL CONDUCTORS ARE TO BE RW90 COPPER UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE RWU90 COPPER WHERE CONDUCTORS RUN BELOW GRADE AND/OR ON THE EXTERIOR OF THE BUILDING.
 - CONDUIT AND WIRE SIZES ARE MINIMUM SIZES. THEY SHALL BE INCREASED AS REQUIRED TO SUIT LENGTH OF RUN AND VOLTAGE DROP REQUIREMENTS.
 - SCHEDULED CONDUIT SIZES ARE BASED ON ELECTRICAL METALLIC TUBING WITH RW90 CONDUCTORS UNLESS OTHERWISE INDICATED. THE ELECTRICAL CONTRACTOR SHALL ADJUST CONDUIT SIZES INDICATED IN ACCORDANCE WITH OESC WHEN USING ALTERNATE CONDUIT/TUBING TYPES AND CONDUCTOR TYPES TO MEET THE CONTRACT DOCUMENT REQUIREMENTS AND THEIR INSTALLATION REQUIREMENTS ON SITE.
 - THE ELECTRICAL CONTRACTOR IS TO COORDINATE EQUIPMENT CABLE LUGS WITH THEIR EQUIPMENT MANUFACTURER PRIOR TO SHOP DRAWING SUBMITTAL TO SUIT FEEDERS SCHEDULED AND THE ELECTRICAL CONTRACTOR'S ON SITE INSTALLATION REQUIREMENTS.
 - WHERE NEW FEEDERS ARE SCHEDULED TO BE CONNECTED TO EXISTING EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SCHEDULE FEEDER WITH THE EXISTING EQUIPMENT LUGS ON SITE AND REVISE THE SCHEDULED FEEDER TO SUIT THEIR ON SITE INSTALLATION REQUIREMENTS.



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SCANLON CREEK NATURE CENTER

2450 LINE 9, BRADFORD, ON

SINGLE LINE DIAGRAM AND FIRE ALARM RISER DIAGRAM AND FIRE ALARM SCHEDULE

Scale: 1 : 1

Project Number:
23-088

Drawn By:
SD/YY

Checked By:
PR/ELC

E600.1