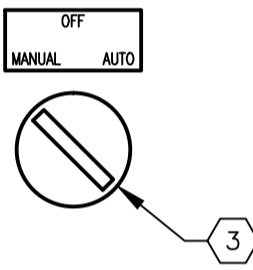


CP-L2
VENTILATION CONTROL
FED BY PNL-L10 CCT. 30

AHU-L1



WARNING
POWER FROM MORE THAN ONE
SOURCE. REFER TO DRAWING
FOR DETAILS.

EXTERIOR PANEL VIEW
SCALE: 1 : 2

INTERIOR PANEL VIEW
SCALE: 1 : 2

BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	SINGLE-DOOR TYPE 12 & 13 WALL-MOUNTED ENCLOSURE	HOFFMAN	A302008LP
2	1	BACKPAN	HOFFMAN	A30P20
3	1	SELECTOR SWITCH, 3 POSITION, MAINTAINED, 1 N/O, 1 N/C	ALLEN-BRADLEY	800T-J2A
4	1	10 VDC POWER SUPPLY	SOLA	SDP 2-12-100T
5	1	24 VDC POWER SUPPLY	SOLA	SDP 2-24-100T
6	1	GROUND BAR, 10 TAPS	-	-
7	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
8	AS REQ'D	FEED-THROUGH TERMINAL	PHOENIX CONTACT	3046184
9	AS REQ'D	FUSED TERMINAL	PHOENIX CONTACT	3046142
10	AS REQ'D	FUSE CONNECTOR	PHOENIX CONTACT	3036806
11	AS REQ'D	POTENTIAL EARTH TERMINAL	PHOENIX CONTACT	3046207
12	AS REQ'D	TERMINAL END PLATE	PHOENIX CONTACT	3047141
13	AS REQ'D	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
14	AS REQ'D	PLUG-IN BRIDGE	PHOENIX CONTACT	3030365
15	AS REQ'D	NARROW SLOT WIRING DUCT, 1.75" x 2.12"	PANDUIT	-
16	AS REQ'D	NARROW SLOT WIRING DUCT, 1.25" x 2.12"	PANDUIT	-
17	2	RELAY, 24 VDC, DPDT, LED, 10A	OMRON	G2R-2-SN 24 VDC(S)
18	2	RELAY BASE, DIN RAIL	OMRON	P2RF-08-S
19	AS REQ'D	TERMINAL BLOCK MARKER	PHOENIX CONTACT	1004348
20	2	RELAY, 24 VDC, 4PDT, LED, 5A	OMRON	LY4N 24 VDC
21	2	RELAY BASE, DIN RAIL	OMRON	PTF14A-E

NOTES:

- WHERE MANUFACTURER AND MODEL ARE SPECIFIED, SUBSTITUTIONS MUST BE APPROVED.
- ALL POWER WIRING TO BE TEW/MTW 600V, 105°C INSULATION, STRANDED COPPER, 12 AWG OR LARGER WHERE CURRENT REQUIREMENTS DICTATE AS PER CEC REQUIREMENTS.
- ALL CONTROL WIRING TO BE TEW/MTW 600V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
- ALL ANALOG WIRING TO BE 18 AWG SHIELDED TWISTED PAIR, WITH INSULATION RATED AT 600V.
- EXTERNAL COMPONENTS ARE TO BE LABELLED AS SHOWN ON THE DRAWINGS.
- ALL FUSES ARE TO BE PROVIDED. IN ADDITION, TWO SPARES OF EACH FUSE SIZE ARE TO BE PROVIDED.
- TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. THREE COPIES OF CERTIFIED TEST DOCUMENTATION ARE TO BE PROVIDED.
- ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELLED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
- PROVIDE WIRE BARREL FERULES FOR ALL WIRING.
- ALL TERMINAL BLOCKS SHALL BE NUMBERED AS SHOWN IN THE DRAWINGS, COMPLETE WITH GROUP LABELING
- ALL WIRES SHALL BE MARKED AS INDICATED ON THE DRAWINGS.
- CLEARLY LABEL DEVICE IDENTIFIERS ON THE DOOR INTERIOR USING PERMANENT MARKER.



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP. 907-2011	2012/02/09	BC	CJR

		SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-798-8080	ENGINEER'S SEAL
DESIGNED BY: B. CLEVEN	CHECKED BY: C. REIMER	ORIGINAL DRAWING SEALED BY: C. J. REIMER SNC-LAVALIN MEMBER #21968 2012/02/23 REV. 00	
DRAWN BY: S. FUNK	APPROVED BY: C. REIMER		
SCALE: 1:2	RELEASED FOR CONSTRUCTION BY: K. R. ZUREK		
DATE: 2011/08/31	DATE: 2012/02/23		
CONSULTANT NO.: 508042-0000-480D-0010			

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

MONTCALM WASTEWATER PUMPING STATION
 2011 UPGRADES
 PANEL LAYOUT
 VENTILATION CONTROL PANEL CP-L2

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0164L-A0010	001	00	A1