



**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 LABELED 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.

**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	A242008LP
2	1	BACKPAN	HOFFMAN	A24P20
3	1	SELECTOR SWITCH, 2 POSITION, MAINTAINED, 1 N/O, 1 N/C	ALLEN-BRADLEY	800T-H2A
4	1	10K POTENTIOMETER	ALLEN-BRADLEY	800T-U29
5	1	10 VDC POWER SUPPLY	SOLA	SDP 2-12-100T
6	1	120:24VAC TRANSFORMER, 50 VA	-	-
7	2	SELECTOR SWITCH, 2 POSITION, MAINTAINED, 3 N/O, 3 N/C	ALLEN-BRADLEY	800T-H2H
8	1	GROUND BAR, 10 TAPS	-	-
9	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
10	AS REQ'D	FEED-THROUGH TERMINAL	PHOENIX CONTACT	3046184
11	AS REQ'D	FUSED TERMINAL	PHOENIX CONTACT	3046142
12	AS REQ'D	FUSE CONNECTOR	PHOENIX CONTACT	3036806
13	AS REQ'D	POTENTIAL EARTH TERMINAL	PHOENIX CONTACT	3046207
14	AS REQ'D	TERMINAL END PLATE	PHOENIX CONTACT	3047141
15	AS REQ'D	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
16	AS REQ'D	PLUG-IN BRIDGE	PHOENIX CONTACT	3030365
17	AS REQ'D	NARROW SLOT WIRING DUCT, 1.75" x 2.12"	PANDUIT	-
18	AS REQ'D	NARROW SLOT WIRING DUCT, 1.25" x 2.12"	PANDUIT	-
19	1	RELAY, 120 VAC, DPDT, LED, 5A	OMRON	G2R-2-SN AC120(S)
20	1	RELAY BASE, DIN RAIL	OMRON	PTRF-08F
21	AS REQ'D	TERMINAL BLOCK MARKER	PHOENIX CONTACT	1004348



<p><b>SNC-LAVALIN INC.</b> 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080</p>	ENGINEER'S SEAL	<p><b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT</p> <p>MARION WASTEWATER PUMPING STATION INSTALLATION OF PUMPING UNITS &amp; BUILDING UPGRADES PANEL LAYOUT VENTILATION CONTROL PANEL CP-L2</p>						
	DESIGNED BY: B. CLEVEN		CHECKED BY: C. REIMER					
	DRAWN BY: S. COATES		APPROVED BY: C. REIMER					
	SCALE: 1:2		RELEASED FOR CONSTRUCTION BY: K. ZUREK					
DATE: 2010/06/30	DATE: 2010/10/04	CITY DRAWING NUMBER: 1-0159L-A0010						
ISSUED FOR TENDER	2010/09/29	BC	CJR	CONSULTANT NO.: 113368-0000-48DD-0010	BID OPP.: 760-2010	SHEET: 001	REV.: 00	SIZE: A1
NO. REVISIONS	DATE	DESIGN	CHECK	1-0159L-A0010-001-00.dwg				