



EXTERIOR PANEL VIEW
SCALE: 1 : 4

INTERIOR PANEL VIEW
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BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	SINGLE-DOOR TYPE 12 & 13 WALL-MOUNTED ENCLOSURE	HOFFMAN	A302410LP
2	1	BACKPAN	HOFFMAN	A30P24
3	1	UNINTERRUPTIBLE POWER SUPPLY, 850VA, 510W	SOLA	SDU850
4	2	24VDC POWER SUPPLY	SOLA	SDN-5-24-100C
5	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
6	AS REQ'D	FEED-THROUGH TERMINAL	PHOENIX CONTACT	3046184
7	AS REQ'D	FUSED TERMINAL	PHOENIX CONTACT	3046142
8	AS REQ'D	FUSE CONNECTOR	PHOENIX CONTACT	3036806
9	AS REQ'D	POTENTIAL EARTH TERMINAL	PHOENIX CONTACT	3046207
10	AS REQ'D	TERMINAL END PLATE	PHOENIX CONTACT	3047141
11	AS REQ'D	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
12	AS REQ'D	PLUG-IN BRIDGE	PHOENIX CONTACT	3030365
13	AS REQ'D	NARROW SLOT WIRING DUCT, 1.75" x 2.12"	PANDUIT	-
14	AS REQ'D	NARROW SLOT WIRING DUCT, 1.26" x 2.12"	PANDUIT	-
15	1	RELAY, 120VAC, DPDT, LED, 5A	OMRON	G2R-2-SN AC120(S)
16	1	RELAY BASE, DIN RAIL	OMRON	P2RF-08-E
17	1	GROUND BAR	ILSCO	-
18	AS REQ'D	LAMACOIDS	-	-
19	2	LOUVRE	HOFFMAN	AVK44
20	2	LOUVRE FILTER	HOFFMAN	AFLT44

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 16 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.
- ARC FLASH LABEL WILL BE PROVIDED BY THE CONTRACT ADMINISTRATOR.



AS-BUILT DRAWING
 CONTRACTOR: NELSON RIVER CONSTRUCTION
 SUBSTANTIAL PERFORMANCE: 2011/06/03
 THIS DRAWING WAS PREPARED USING UNVERIFIED INFORMATION PROVIDED BY OTHERS AND THEREFORE NO WARRANTY OR CERTIFICATION IS PROVIDED.

 SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL ORIGINAL DRAWING SEALED BY: C. J. REIMER SNC-LAVALIN MEMBER #21968 2011/11/07 REV. 00	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT MARION WASTEWATER PUMPING STATION INSTALLATION OF PUMPING UNITS & BUILDING UPGRADES PANEL LAYOUT POWER DISTRIBUTION PANEL PDP-L1
DESIGNED BY: B. CLEVEN	CHECKED BY: C. REIMER	CITY DRAWING NUMBER 1-0159L-A0008	
DRAWN BY: S. COATES	APPROVED BY: C. REIMER	SCALE: 1:4	RELEASED FOR CONSTRUCTION BY: K. ZUREK DATE: 2010/08/19
NO. 02 ISSUED FOR TENDER, BID OPP. 907-2011	DATE: 2011/11/04	BC CJR	SHEET 001 REV. 02 SIZE A1
NO. 01 AS-BUILT	DATE: 2011/07/04	- BC	CONSULTANT NO.: 508042-0000-48DD-1008
NO. 00 ISSUED FOR TENDER, BID OPP. 760-2010	DATE: 2010/09/29	BC CJR	1-0159L-A0008-001-02.dwg