

EXTERIOR PANEL ELEVATION
SCALE: 1 : 1

INTERIOR PANEL ELEVATION
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TYPICAL NEMA 12 JUNCTION BOX

BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	AS REQ'D	NEMA 12 ENCL. CONTINUOUS-HINGE WITH CLAMPS, 152X152X102MM	HOFFMAN	A606CH
2	AS REQ'D	PANEL FOR ITEM 1	HOFFMAN	A6P6
3	AS REQ'D	LAMACOIDS	-	-
4	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
5	AS REQ'D	TERMINAL END CLAMP - CLIPFIX 35	PHOENIX CONTACT	3022218
6	AS REQ'D	FEED-THROUGH TERMINAL - UT 4-MTD	PHOENIX CONTACT	3046184
7	AS REQ'D	TERMINAL END PLATE - D-UT 2,5/4 TWIN	PHOENIX CONTACT	3047141
8	AS REQ'D	GROUND BAR, 6 TAPS	ILSCO	0167-6

JUNCTION BOX SCHEDULE		
IDENTIFIER	NUMBER OF TERMINALS	DESCRIPTION
JBA-M6111	6	SUPPLY FAN FN1 DAMPER XV-M6111
JBA-M6121	6	SUPPLY FAN FN2 DAMPER XV-M6121
JBA-M6131	6	SUPPLY FAN FN3 DAMPER XV-M6131
JBA-M6145-1	6	OUTDOOR AIR FLOW DAMPER FV-M6145-1
JBA-M6145-2	4	OUTDOOR AIR FLOW DAMPER FV-M6145-2
JBA-M6145-3	4	OUTDOOR AIR FLOW DAMPER FV-M6145-3
JBA-M6145-4	4	OUTDOOR AIR FLOW DAMPER FV-M6145-4
JBA-M6146-1	6	RETURN AIR FLOW DAMPER FV-M6146-1
JBA-M6146-2	4	RETURN AIR FLOW DAMPER FV-M6146-2
JBA-M6147	6	STATION RELIEF DAMPER FV-M6147
JBA-M6148	6	STATION RELIEF DAMPER FV-M6148

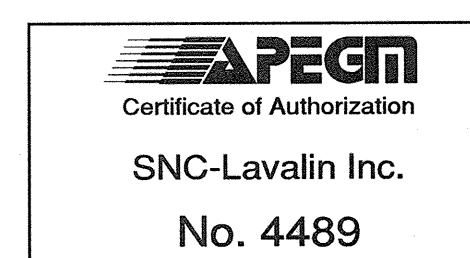
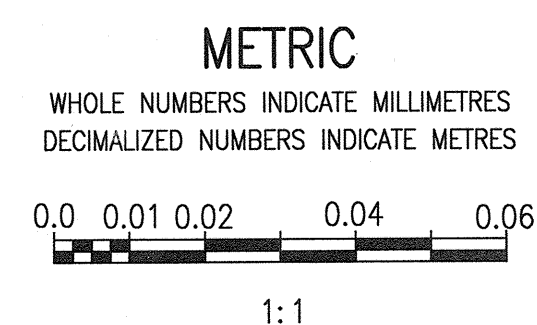
GENERAL NOTES:

- ALL POWER AND 120 VAC WIRING TO BE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 12 AWG OR LARGER WHERE CURRENT REQUIREMENTS DICTATE AS PER CEC REQUIREMENTS.
- ALL 24 VDC CONTROL WIRING TO BE TEW/MTW 300V, 105°C INSULATION, STRANDED COPPER, 16 AWG.
- COMPONENTS ARE TO BE LABELED AS SHOWN ON THE DRAWINGS.
- TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY. DOCUMENT ALL TEST RESULTS.
- ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
- PROVIDE WIRE BARREL FERRULES 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.

CONSTRUCTION NOTES:

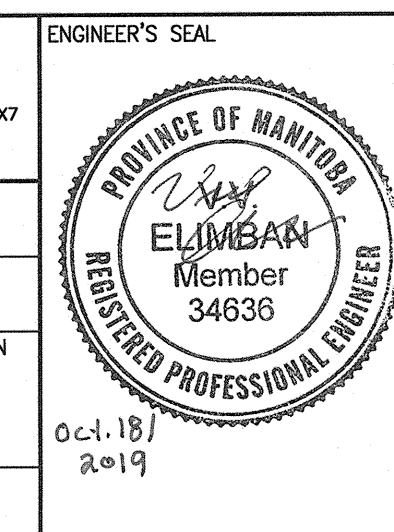
- PROVIDE JUNCTION BOX FOR ASSOCIATED DAMPER ACTUATOR. JUNCTION BOX SHALL BE INSTALLED WITHIN ONE (1) METER OF DAMPER ACTUATOR.

1-0640M-P0013	PROCESS AND INSTRUMENTATION DIAGRAM, PUMPING STATION HVAC
1-0640M-A0048	INSTRUMENTATION PLAN - NEW WORK, MEZZANINE LEVEL
1-0640M-E0076	CONNECTION DIAGRAM, FN3
1-0640M-E0075	CONNECTION DIAGRAM, FN2
1-0640M-E0074	CONNECTION DIAGRAM, FN1
1-0640M-E0036	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M730E
1-0640M-E0032	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M710
DRAWING NUMBER	REFERENCE DRAWINGS



SNC-LAVALIN INC. 148 Notre Dame St. W. Winnipeg, MB, Canada R2P 0X7 204-796-8080	
DESIGNED BY: V. ELIMBAN	CHECKED BY: B. CLEVEN
DRAWN BY: J. GRAGASIN	APPROVED BY: D. BECKER
SCALE: 1 : 1	ISSUED FOR CONSTRUCTION BY: A. WEISS
DATE: 2019/06/05	DATE: 2019/10/18
00 ISSUED FOR TENDER AND CONSTRUCTION	2019/10/18 VE BC
NO. REVISIONS	DATE DESIGN CHECK

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CONSULTANT NO.:	



MCPHILLIPS PUMPING STATION	
PANEL LAYOUT JUNCTION BOXES	
CITY DRAWING NUMBER 1-0640M-A0037	SHEET REV. SIZE 001 00 A1