

LCP-M540 EXTERIOR PANEL VIEW  
SCALE: 1 : 2

LCP-M540 INTERIOR PANEL VIEW  
SCALE: 1 : 2

BILL OF MATERIALS

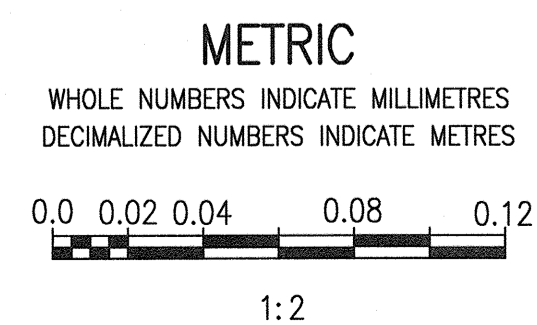
ITEM	QTY	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
1	1	HINGED COVER JUNCTION BOX WITH CLAMPS, TYPE 12	HOFFMAN	A1412CH
2	1	BACKPAN	HOFFMAN	A14P12
3	2	3 POSITION SELECTOR SWITCH, MAINTAINED, 2 N.O./2 N.C.	ALLEN-BRADLEY	800T-J2B
4	2	PILOT LIGHT, RED, LED, 120VAC	ALLEN-BRADLEY	800T-QH2R
5	AS REQ'D	35mm DIN RAIL	PHOENIX CONTACT	0801733
6	16	FEED-THROUGH TERMINAL	PHOENIX CONTACT	3046184
7	2	TERMINAL END PLATE	PHOENIX CONTACT	3047141
8	3	TERMINAL END CLAMP	PHOENIX CONTACT	1201442
9	2	TERMINAL BLOCK MARKER	PHOENIX CONTACT	1004348
10	AS REQ'D	NARROW SLOT WIRING DUCT, 2.25"x3.12"	PANDUIT	-
11	1	GROUND BAR, 6 TAP	ILSCO	D167-6
12	AS REQ'D	LAMACOIDS	-	-

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.
- REFER TO DRAWINGS 1-0640M-E0070, E0071, AND A0084 FOR THE INTERNAL WIRING OF PANEL. PANEL SHOP SHALL PROVIDE AND INSTALL INTERNAL WIRING.

1-0640M-A0084	LOOP DIAGRAM, SUMP PUMP CONTROLLER, LIT-M5411
1-0640M-E0071	MOTOR STARTER SCHEMATIC, SP2
1-0640M-E0070	MOTOR STARTER SCHEMATIC, SP1
1-0640M-E0041	ELECTRICAL EQUIPMENT PLAN, LOWER LEVEL
1-0640M-E0036	SINGLE LINE DIAGRAM. MCC-M730E

DRAWING NUMBER REFERENCE DRAWINGS



<p>SNC-LAVALIN INC. 148 Notaire Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080</p>		<p>ENGINEER'S SEAL</p>		<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p>	
<p>DESIGNED BY: V. ELIMBAN DRAWN BY: J. GRAGASIN SCALE: 1:2 DATE: 2019/03/29</p>		<p>CHECKED BY: B. CLEVEN APPROVED BY: D. BECKER ISSUED FOR CONSTRUCTION BY: A. WEISS DATE: 2019/10/18</p>		<p>MCPHILLIPS PUMPING STATION</p> <p>PANEL LAYOUT LCP-M540 SUMP PUMP SP1 &amp; SP2 CONTROL PANEL</p>	
<p>NO. REVISIONS</p>		<p>DATE DESIGN CHECK</p>		<p>CITY DRAWING NUMBER SHEET REV. SIZE 1-0640M-A0036 001 00 A1</p>	