

LEGEND:

- INTERNAL WIRING
- - - FIELD (EXTERNAL) WIRING
- △ MCC TERMINAL
- PUMP LOCAL CONTROL PANEL
- ▣ MAIN CONTROL PANEL
- ⊗ SOFT START DEVICE TERMINAL
- ⊞ TRANSIENT VOLTAGE SUPPRESSOR
- ETM ELAPSED TIME METER
- A AMMETER

- SPECIFIC NOTES:**
- ① RE-USE EXISTING EMERGENCY STOP SWITCH EMSTOP IN LCP-2. REFER TO DWG. 1-0660M-A007 FOR WIRING CONNECTION DETAILS.
 - ② RELAY FOR COMP, FLOOD AND HIGH TEMP CONTACTS ARE LOCATED IN LCP-2 PANEL.
 - ③ RELAY FOR REMOTE RUN COMMAND IS LOCATED IN MAIN CONTROL PANEL.
 - ④ MONITORING AND ADDITIONAL STATUS SIGNALS ARE AVAILABLE FOR FUTURE CONNECTION TO MAIN CONTROL PANEL.

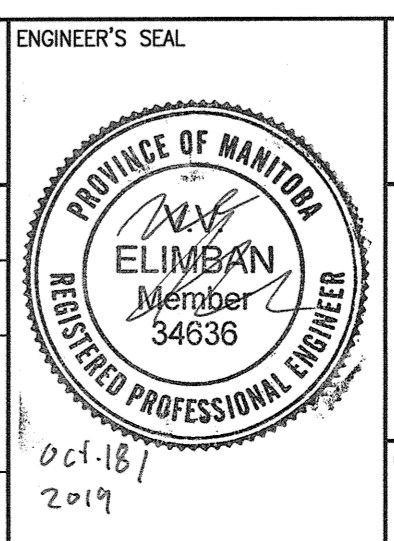
- NOTES:**
1. COMPLETE ASSEMBLY TO HAVE A SHORT CIRCUIT CURRENT RATING OF 25KA OR HIGHER.
 2. GROUP AND SPACE 120VAC, 24VDC AND 4-20mA TERMINALS AND WIRING SEPARATELY.
 3. COLOUR CODE WIRING AS FOLLOWS:
 POWER - 120VAC SUPPLY BLACK
 POWER - 120VAC NEUTRAL WHITE
 POWER - 24VDC SUPPLY (+) BLUE
 POWER - 24VDC COMMON (-, OR OVD) BROWN
 DISCRETE CONTROL - AC RED
 DISCRETE CONTROL - DC BLUE
 GROUND GREEN



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER AND CONSTRUCTION	2019/10/18	SB	BC

SNC-LAVALIN INC.
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DESIGNED BY: B. BOGHOSIAN
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 SCALE: NTS
 ISSUED FOR CONSTRUCTION
 BY: A. WEISS
 DATE: 2019/08/12
 DATE: 2019/10/18
 CONSULTANT NO.:



THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

TACHE BOOSTER PUMPING STATION

MOTOR STARTER SCHEMATIC
 PUMP PP-2

CITY DRAWING NUMBER: 1-0660M-E0021
 SHEET: 001
 REV.: 00
 SIZE: A1

1-0660M-E0021-002	CONNECTION DIAGRAM, PP-2
1-0660M-E0007	ELECTRICAL SINGLE LINE DIAGRAM, MCC-M710
DRAWING NUMBER	REFERENCE DRAWINGS