



**LEGEND:**

- INTERNAL WIRING
- - - FIELD (EXTERNAL) WIRING
- △ SOFT START ENCLOSURE TERMINAL
- CONTROL PANEL TERMINAL
- ⊗ SOFT START DEVICE TERMINAL
- ⊗ TRANSIENT VOLTAGE SUPPRESSOR
- ETM ELAPSED TIME METER
- A AMMETER

SEE DRAWING 1-0127L-E0004 FOR CONNECTION

1-0127L-E0004	MS-L02 CONNECTION DIAGRAM
DRAWING NUMBER	REFERENCE DRAWINGS

- NOTES:**
- COMPLETE ASSEMBLY TO HAVE A SHORT CIRCUIT CURRENT RATING OF 25KA OR HIGHER.
  - GROUP AND SPACE 120VAC, 24VDC AND 4-20mA TERMINALS AND WIRING SEPARATELY.
  - ALL REMOTE WIRING IS 24VDC.
  - 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



00	ISSUED FOR TENDER, BID OP. 331-2016	2016/05/06	BJC	DB
NO.	REVISIONS	DATE	DESIGN	CHECK

**SNC-LAVALIN INC.**  
148 Nature Park Way  
Winnipeg, MB, Canada R3P 0X7  
204-786-8080

DESIGNED BY: B. CLEVEN  
DRAWN BY: Y. KONIG  
SCALE: NTS  
DATE: 2016/03/22

CHECKED BY: D. BECKER  
APPROVED BY: I. PARKINSON  
ISSUED FOR CONSTRUCTION BY: K. ZUREK  
DATE: 2016/05/06

CONSULTANT NO.:

ENGINEER'S SEAL

ORIGINAL DRAWING  
SEALED BY:  
B. CLEVEN  
SNC-LAVALIN  
MEMBER #31479  
2016/05/09  
REV. 00

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

COCKBURN FLOOD AND WASTEWATER PUMPING STATION  
2016 UPGRADES  
MOTOR STARTER SCHEMATIC  
MS-L02  
WASTEWATER LIFT PUMP

CITY DRAWING NUMBER: 1-0127L-E0003  
SHEET: 001  
REV: 00  
SIZE: A1