



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

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. ALL REMOTE WIRING IS 24VDC.
4. 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

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DRAWN BY: Y. KONIG	APPROVED BY: I. PARKINSON
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: K. ZUREK DATE: 2016/05/06
DATE: 2016/03/22	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-L01
 WASTEWATER LIFT PUMP

CITY DRAWING NUMBER: 1-0127L-E0001 SHEET: 001 REV: 00 SIZE: A1

1-0127L-E0002	MS-L01 CONNECTION DIAGRAM
DRAWING NUMBER	REFERENCE DRAWINGS