



|                |                           |
|----------------|---------------------------|
| 1-0309U-E0008  | MS-U01 CONNECTION DIAGRAM |
| DRAWING NUMBER | REFERENCE DRAWINGS        |

NOTES:

- COMPLETE ASSEMBLY TO HAVE A SHORT CIRCUIT CURRENT RATING OF 18KA 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 OPP: 475-2018 | 2018/05/09 | BC     | PP    |
| NO. | REVISIONS                            | DATE       | DESIGN | CHECK |

**SNC-LAVALIN**

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DATE:

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ENGINEER'S SEAL

**PRELIMINARY**  
NOT TO BE  
USED FOR  
CONSTRUCTION

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

METRO ROUTE 20 UNDERPASS PUMPING STATION  
2018 UPGRADES  
MOTOR STARTER SCHEMATIC  
MS-U01  
UNDERPASS PUMP P-U01

CITY DRAWING NUMBER: 1-0309U-E0007  
SHEET: 001  
REV: 00  
SIZE: A1