



**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. THE DESIGN SHOWN IS BASED UPON A HARMONIC FILTER COMPONENT PACKAGE FROM TRANSOCOIL, WHICH DOES NOT INCLUDE THE CONTACTOR, FUSES, OR OTHER COMPONENTS REQUIRED FOR A COMPLETE ASSEMBLY.
5. PROVIDED A MINIMUM OF 283 I/S (600 CFM) OF COOLING VENTILATION TO THE VFD ENCLOSURE.



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP: 907-2011	2011/11/04	BC	CJR

DESIGNED BY:	B. CLEVEN
CHECKED BY:	C. REIMER
DRAWN BY:	S. FUNK
APPROVED BY:	C. REIMER
SCALE:	NTS
RELEASED FOR CONSTRUCTION BY:	K. R. ZUREK
DATE:	2011/10/03
DATE:	2012/02/23
CONSULTANT NO.:	508042-0000-47DD-0020

ENGINEER'S SEAL  
 ORIGINAL DRAWING  
 SEALED BY:  
 C. J. REIMER  
 SNC-Lavalin  
 MEMBER #21968  
 2011/11/07  
 REV. 00

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

MONTCALM WASTEWATER PUMPING STATION  
 2011 UPGRADES  
 MOTOR STARTER SCHEMATIC  
 VFD-P-L2  
 WASTEWATER LIFT PUMP

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0164L-E0020	001	00	A1

1-0164L-E0020-002	CONTROL SCHEMATIC
1-0164L-E0021	CONNECTION DIAGRAM
DRAWING NUMBER	REFERENCE DRAWINGS