



- NOTES**
1. INCOMING POWER THROUGH CT'S. SEE CT FASTENING DIAGRAM IN INSTRUCTION MANUAL FOR DETAILS.
 2. SOLID-STATE TIMER WITH PROGRAMMABLE ON-DELAY TIME RANGE SETABLE FROM 0.05 sec TO 300 HOURS ACCEPTABLE PRODUCT: OMRON PART No. H3CR-A8.
 3. MAXIMUM RAMP DOWN TIME SHALL BE 10 SECONDS AND THE VOLTAGE SHALL NOT BE ALLOWED TO RAMP BELOW 60% OF FULL VOLTAGE BEFORE SOFT START IS DEACTIVATED TO ALLOW PUMP MOTOR TO COME TO A COMPLETE STOP. VERIFY DECELERATION SETTINGS WITH PUMP MANUFACTURER.

- LEGEND**
- PC BOARD TERMINALS
 - ⊕ WIRE NODE SYMBOL MAY HAVE TERMINAL BLOCK
 - ⊙ CUSTOMER TERMINAL
 - BENSRAW TERMINAL
 - ⊞ DEVICE TERMINAL
 - ⏱ ELAPSED TIME METER
 - ∞ TWISTED PAIR
 - FIELD WIRING
 - PANEL WIRING
 - ↔ CONNECTOR
 - SHIELDED WIRE

***** IMPORTANT *****
 PASSCODE # _____

CUSTOMER TERMINALS
 □ L1 □ L2 □ L3
 □ T1 □ T2 □ T3

LOCATION APPROVED UNDERGROUND STRUCTURES ORIGINAL SIGNED BY DERRICK SAEDAL. SUPPLY U/G STRUCTURES COMMITTEE DATE _____	B.M. ELEV. _____ B.M. ELEV. _____
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	DESIGNED BY JLL DRAWN BY GCN CHECKED BY ORIGINAL SIGNED BY R.E. WILLMS APPROVED BY ORIGINAL SIGNED BY J.L. LALONDE HOR. SCALE _____ VERTICAL _____
0 ISSUED FOR TENDER 25/03/09 JLL	0 2009-03-18
NO. REVISIONS _____ DATE _____ BY _____	DATE 2009-03-18

APEGM
 Certificate of Authorization
 KGS Group
 No. 245 Date: 25/03/09



THE CITY OF WINNIPEG TRANSIT DEPARTMENT

SOUTHWEST RAPID TRANSIT CORRIDOR - STAGE 1
 LAND DRAINAGE PUMPING STATION & ASSOCIATED WORKS

ELECTRICAL FLOOD PUMP FP-2 SCHEMATIC/WIRING DIAGRAM

CITY DRAWING NUMBER LD-5319
 SHEET 20 OF 25
 CONSULTANT DRAWING NUMBER C2-B2203-T

CONSULTANT PROJECT NO. 08-0163-02

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