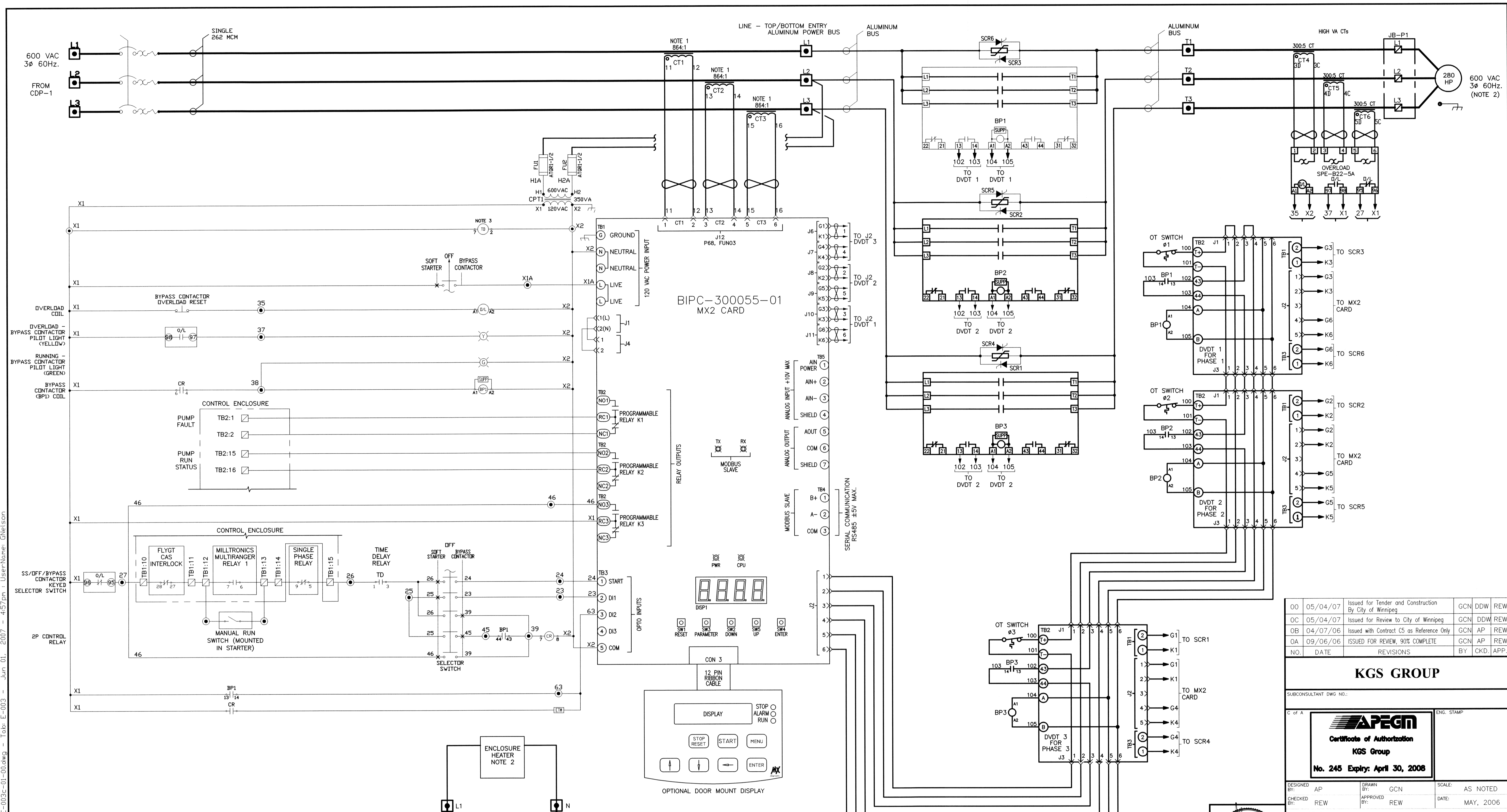


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NOTES

1. INCOMING POWER THROUGH CT'S. SEE CT FASTENING DIAGRAM IN INSTRUCTION MANUAL FOR DETAILS.
2. ENCLOSURE HEATER EQUIPPED WITH AN INTEGRAL THERMOSTAT AND MAINTAINS THE INTERNAL ENCLOSURE TEMPERATURE AT 10°C.
3. SOLID-STATE TIMER WITH PROGRAMMABLE ON-DELAY TIME RANGE SETTABLE FROM 0.05 sec TO 300 HOURS ACCEPTABLE PRODUCT: OMRON PART No. H3CR-A8.
4. 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
- TWISTED PAIR
- FIELD WIRING
- PANEL WIRING
- CONNECTOR
- SHIELDED WIRE
- WIRE NODE SYMBOL MAY HAVE TERMINAL BLOCK
- POWER TERMINAL
- CUSTOMER TERMINAL
- BENSHAW TERMINAL
- DEVICE TERMINAL
- ELAPSED TIME METER

CUSTOMER TERMINALS

L1	L2	L3
T1	T2	T3

***** IMPORTANT *****
 PASSCODE # - - - -

00	05/04/07	Issued for Tender and Construction By City of Winnipeg	GCN	DDW	REW
0C	05/04/07	Issued for Review to City of Winnipeg	GCN	DDW	REW
0B	04/07/06	Issued with Contract C5 as Reference Only	GCN	AP	REW
0A	09/06/06	ISSUED FOR REVIEW, 90% COMPLETE	GCN	AP	REW
NO.	DATE	REVISIONS	BY	CHKD.	APP.

KGS GROUP

SUBCONSULTANT DWG NO.:
 C of A

APEGM
 Certificate of Authorization
 KGS Group
 No. 245 Expiry: April 30, 2008

DESIGNED BY:	AP	DRAWN BY:	GCN	SCALE:	AS NOTED
CHECKED BY:	REW	APPROVED BY:	REW	DATE:	MAY, 2006

KGS GROUP SUBMITTED BY: RICK CARSON
 OWNER: **MANITOBA FLOODWAY AUTHORITY**

PROJECT: **RED RIVER FLOODWAY EXPANSION**

PHASE: **MAIN CHANNEL CONTRACT No C5**

TITLE: **KILDARE LAND DRAINAGE FLOOD PUMPING STATION ELECTRICAL WORKS FLOOD PUMP - FP-1 SCHEMATIC/WIRING DIAGRAM**

MFA acceptance: DOUG McNEIL VICE PRESIDENT OF ENGINEERING AND CONSTRUCTION

OWNER DWG NO.:	CC5-48aE-003c	SHT.	01	REV.	00
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CITY OF WINNIPEG IS RESPONSIBLE FOR MECHANICAL AND ELECTRICAL WORK
 MFA acceptance is limited to the Red River Floodway Expansion project only, and specifically excludes acceptance of any mechanical and electrical works indicated on this drawing, which are incorporated for the purpose of City of Winnipeg Bid Opportunity 238-2007

THE CITY OF WINNIPEG WATER & WASTE DEPARTMENT

 CAD FILE DRAWING NUMBER: CC5-48aE-003c-01-00.dwg
 CITY DRAWING NUMBER: -

