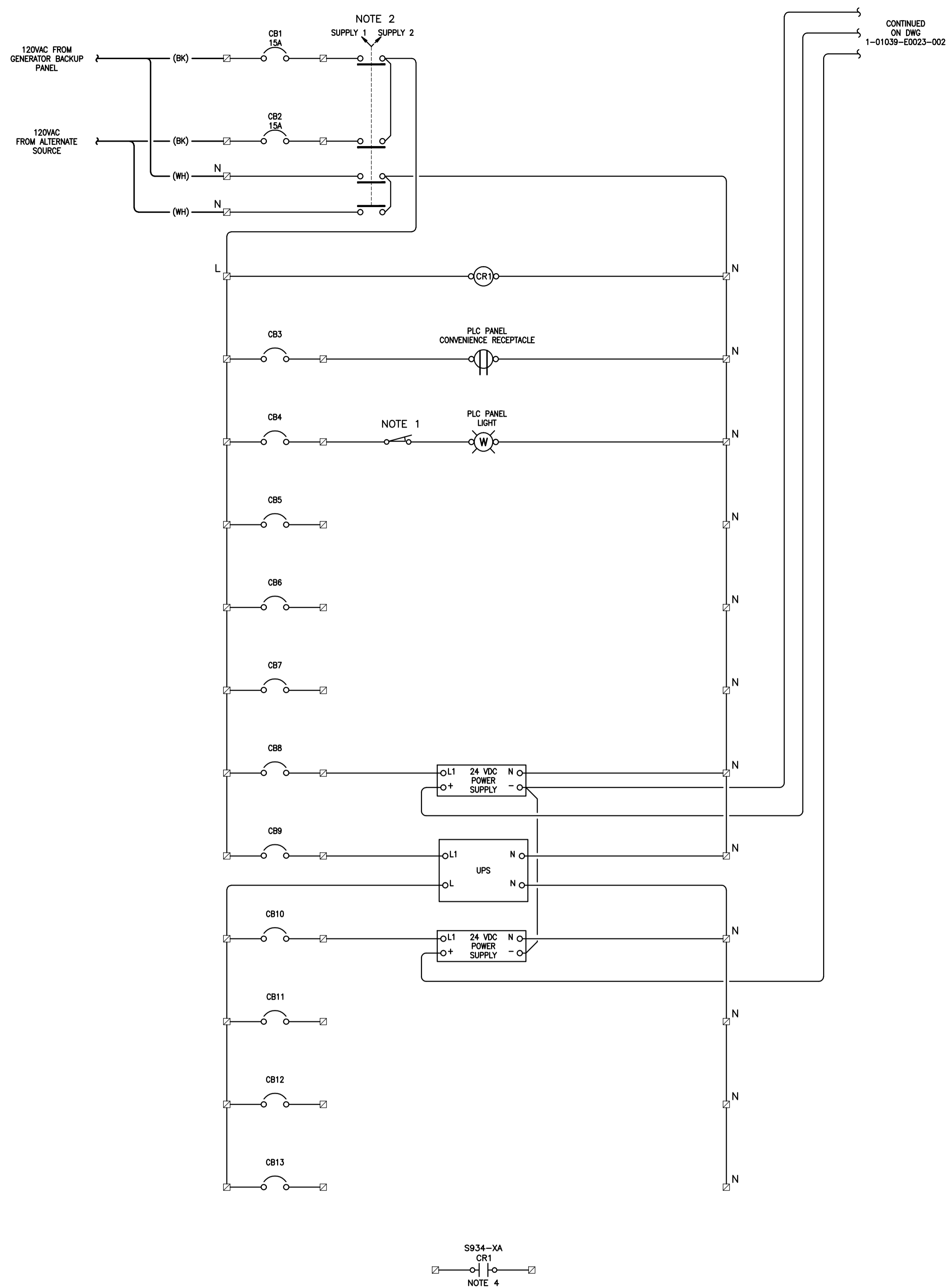


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B.M. ELEV. :	FIELD BOOK #:
POSTED TO LBIS	
00 ISSUED FOR TENDER	2010-12-21 REW
NO. REVISIONS	DATE BY

**ALLIANCE**  
 Engineering Services Inc.

DESIGNED BY: REW/DDW	CHECKED BY: REW
DRAWN BY: MMP	APPROVED BY: REW
HDR. SCALE: N.T.S.	RELEASED FOR CONSTRUCTION
VERTICAL: N.T.S.	DATE: 2010 07 02

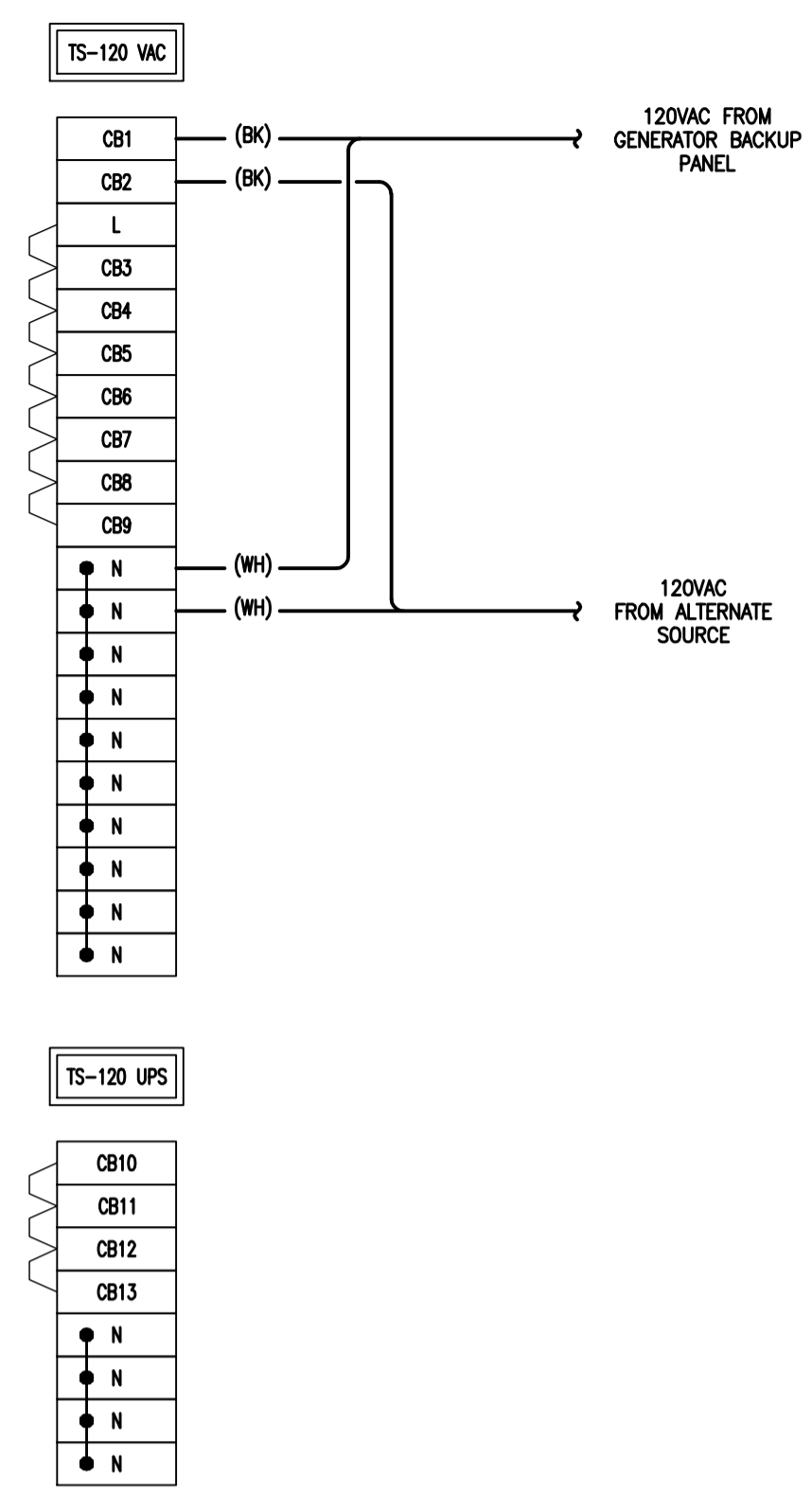
ENGINEER'S SEAL

TENDER No. SE2.11  
 FILENAME: 1-0103S-E0023-001.dwg  
 PLOT DATE: 2010/12/22

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

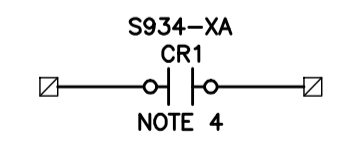
2010 HVAC REPLACEMENT AND ASSOCIATED WORKS  
**WEWCC**  
 AREA S - SECONDARY CLARIFIERS 1 & 2  
 PLC PANEL POWER SCHEMATIC

SHEET 1 OF 2  
 CITY DRAWING NUMBER: 1-0103S-E0023-001



- NOTES:**
- DOOR MOUNTED LIMIT SWITCH TO ACTIVATE LIGHT WHEN PANEL DOOR IS OPENED.
  - POWER SUPPLY SELECTION SWITCH SHALL BE MOUNTED TO THE INTERIOR OF THE PLC PANEL.
  - CIRCUIT BREAKERS SHALL BE WEIDMULLER CB4200 SERIES CIRCUIT BREAKERS OR APPROVED EQUAL, IN ACCORDANCE WITH B6.
  - REFER TO DWG 1-0103S-A0112-001 FOR CONNECTION DETAILS ON POWER STATUS.

- LEGEND**
- DEVICE TERMINALS
  - ▣ PLC TERMINALS
  - FIELD WIRING
  - PANEL WIRING
  - ( ) CONDUCTOR IDENTIFICATION
  - WIRE CONNECTION
  - ⊙ PILOT LIGHT
  - ETM ELAPSED TIME METER
  - ◁ OUTPUT ▷ PLC OUTPUT
  - ▷ INPUT ◁ PLC INPUT



**APEGN**  
 Certificate of Authorization  
 KGS Group  
 No. 245 Date: 2010/12/21

**KGS GROUP**  
 CONSULTING ENGINEERS