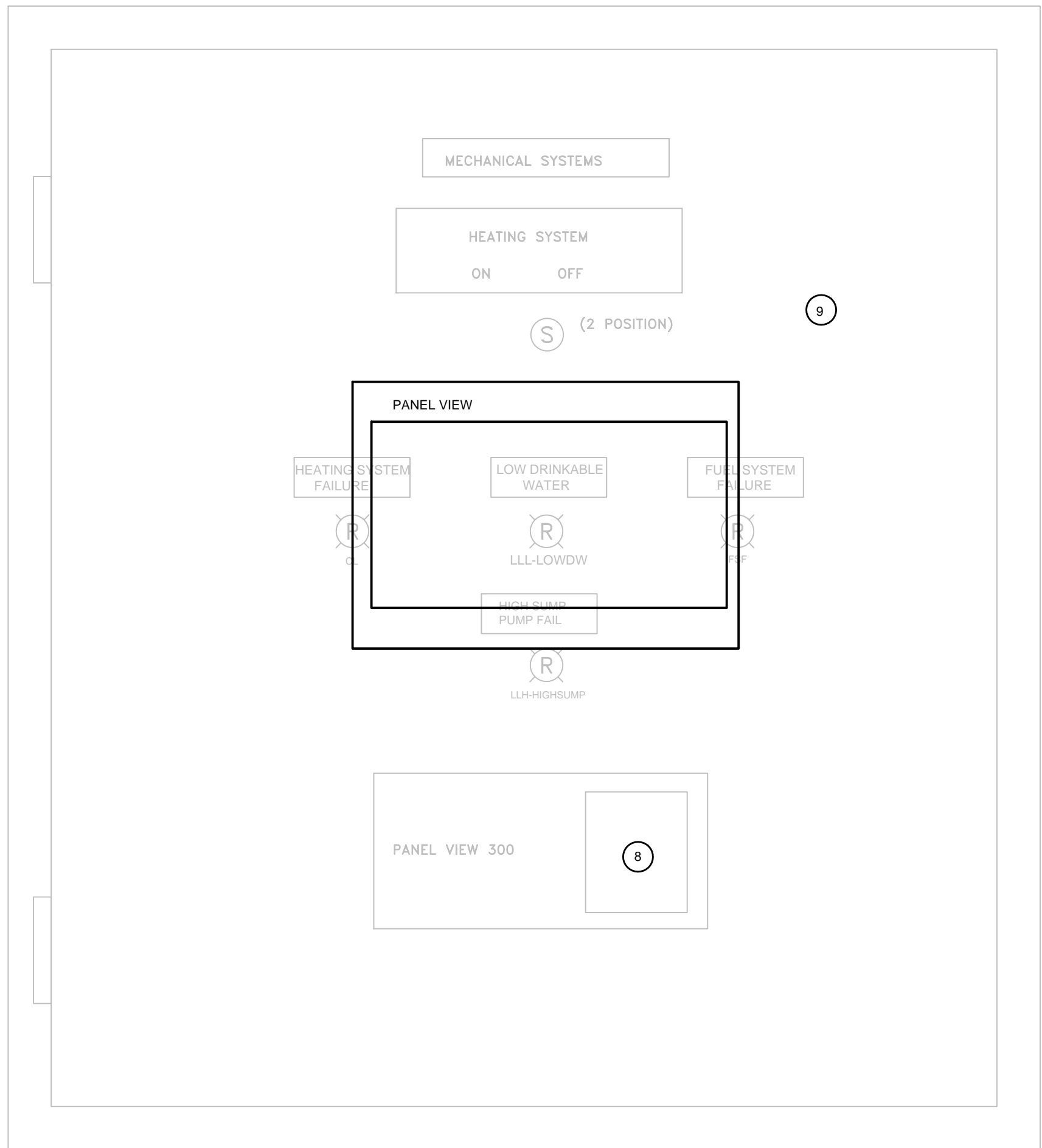


PLC #4 PANEL WIRING

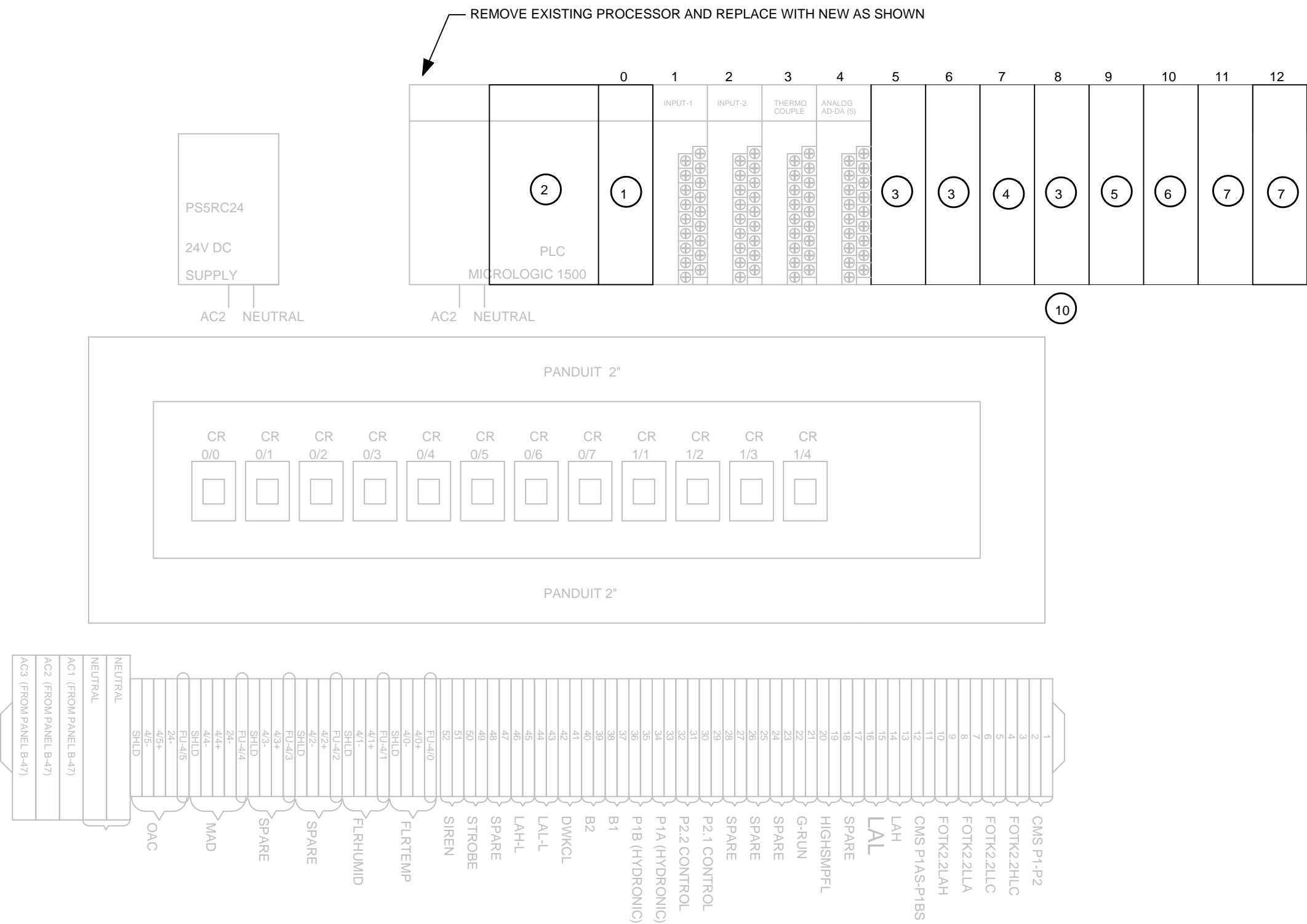
EXP SERVICES INC.

DATE: 2013 JUN 27

MECHANICAL SYSTEMS PANEL DOOR OVERVIEW



PLC PANEL GENERAL WIRING



KEYNOTES:

- 1 REMOVE EXISTING MICROLOGIX 1500 PLC AND REPLACE WITH NEW COMPACT LOGIX 1769-L33ER. DO NOT INSTALL PROCESSOR UNTIL PLANT HAS BEEN SHUT DOWN. DO DO AS MUCH PREP WORK AS POSSIBLE TO MINIMIZE LENGTH OF SHUT DOWN.
- 2 NEW 1769-PA2 POWER SUPPLY CONNECT L, N, AND GND IN PANEL.
- 3 ALLEN BRADLEY 1769-OW8I-8 POINT ISOLATED RELAY OUTPUT CARD.
- 4 ALLEN BRADLEY 1769-IA16-16 POINT DISCRETE INPUT CARD.
- 5 ALLEN BRADLEY 1769-IF8I-8 CHANNEL 4-20mA ANALOG INPUT CARD.
- 6 ALLEN BRADLEY 1769-OF8C-8 CHANNEL 4-20mA ANALOG OUTPUT CARD.
- 7 ALLEN BRADLEY 1769-OF8V-8 CHANNEL 0-10VDC ANALOG OUTPUT CARD.
- 8 REMOVE EXISTING PANEL VIEW 300 AND TURN OVER TO OWNER. REPAIR HOLE IN DOOR.
- 9 REMOVE ALL LIGHTS AND SWITCHES FROM PANEL DOOR AND CUT NEW HOLE IN DOOR. SUPPLY ALLEN BRADLEY VIEW PANEL 12.1" MODEL #2711P-T12C4D8 C/W ALL REQUIRED MOUNTING HARDWARE, MOUNT CENTER OF SCREEN 1.5m ABOVE FINISHED FLOOR.
- 10 ALL NEW I/O TERMINALS TO BE LOCATED IN EXTERNAL "PLC #4 I/O BOX".

No.	Issue	Date
1	60% REVIEW SUBMISSION	2013-MAR-08
2	ISSUED FOR TENDER	2013-APR-10
3	RELEASED FOR CONSTRUCTION	2013-JUN-27



No.	Revision	Ckd. By	Date
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PERMIT OF PRACTICE  
EXP SERVICES INC.  
Signature: *[Signature]*  
Date: 2013/JUN/27  
PERMIT NUMBER: P483  
NT/NU Association of Professional Engineers and Geoscientists.

RELEASED FOR CONSTRUCTION

	Const. North
	Drawn By: TAW
	Dwg. Standards Ckd. By: PD
	Designed By: DEB
Date Printed	Dwg. Design Ckd. By: JFP

exp Services Inc.  
t: +1.613.688.1899 | f: +1.613.225.7330  
2650 Queensview Drive, Unit 100  
Ottawa, ON K2B 8H6  
CANADA  
www.exp.com

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Project Title	
WASTE WATER TREATMENT PLANT UPGRADE PANGNIRTUNG, NU	
Dwg. Title	
PLC #4 PANEL WIRING	
Project No. OTT-00204430-A0	
Dwg. No. E2630-1	Rev. No. 0
Scale	
NOT TO SCALE This drawing is not to be scaled	