


REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).

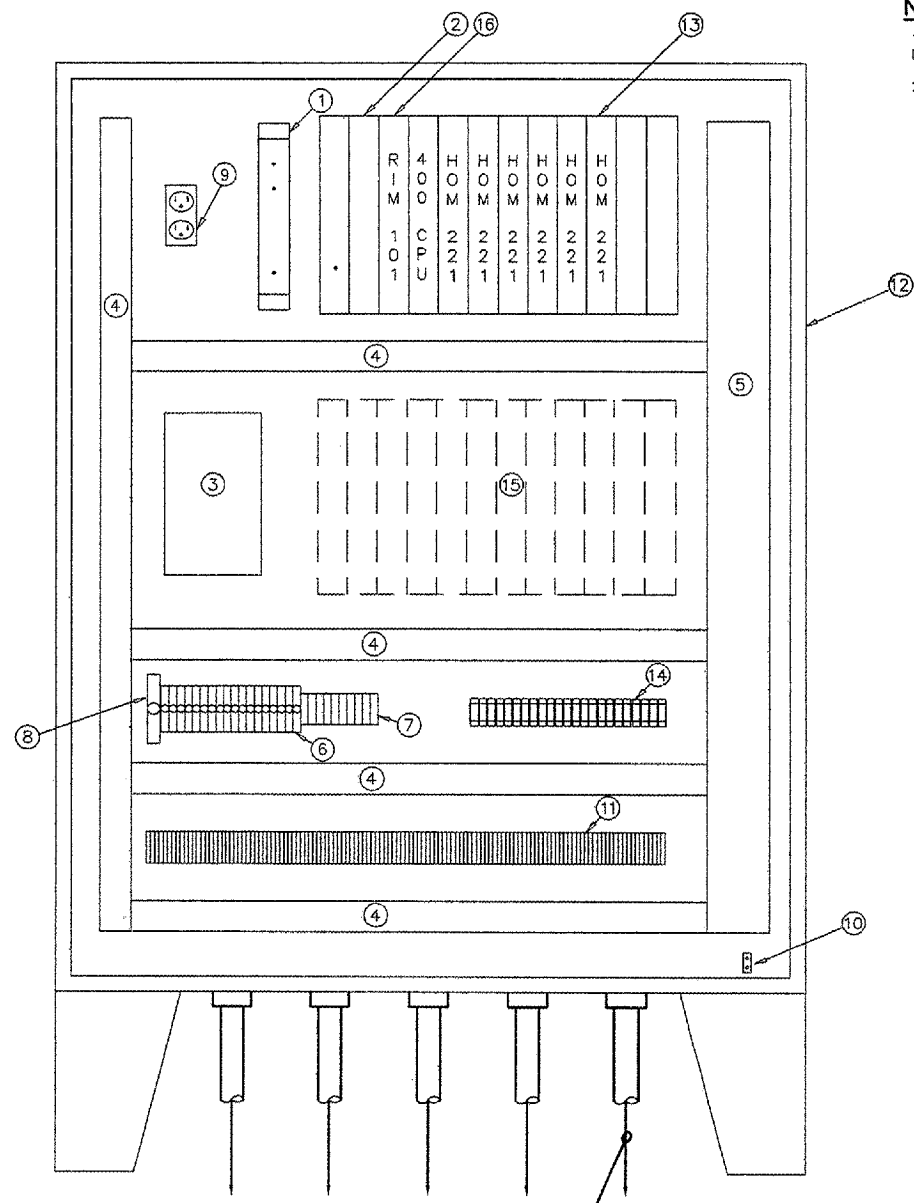
**PALWAUKEE MUNICIPAL AIRPORT
 WHEELING/PROSPECT HEIGHTS, ILLINOIS
 CONSTRUCT TAXIWAY CHARLIE AND EAST QUADRANT APRON
 VAULT CONTROL DETAILS - SHEET 1**

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DESIGN BY:	AB
DRAWN BY:	JRO
CHECKED BY:	AB
APPROVED BY:	
DATE:	06/24/05
JOB No:	04290-03
ILLINOIS PROJECT: PWK-3481 A.I.P. PROJECT: 3-17-0018-BXX	
SHEET 29 OF 38 SHEETS	

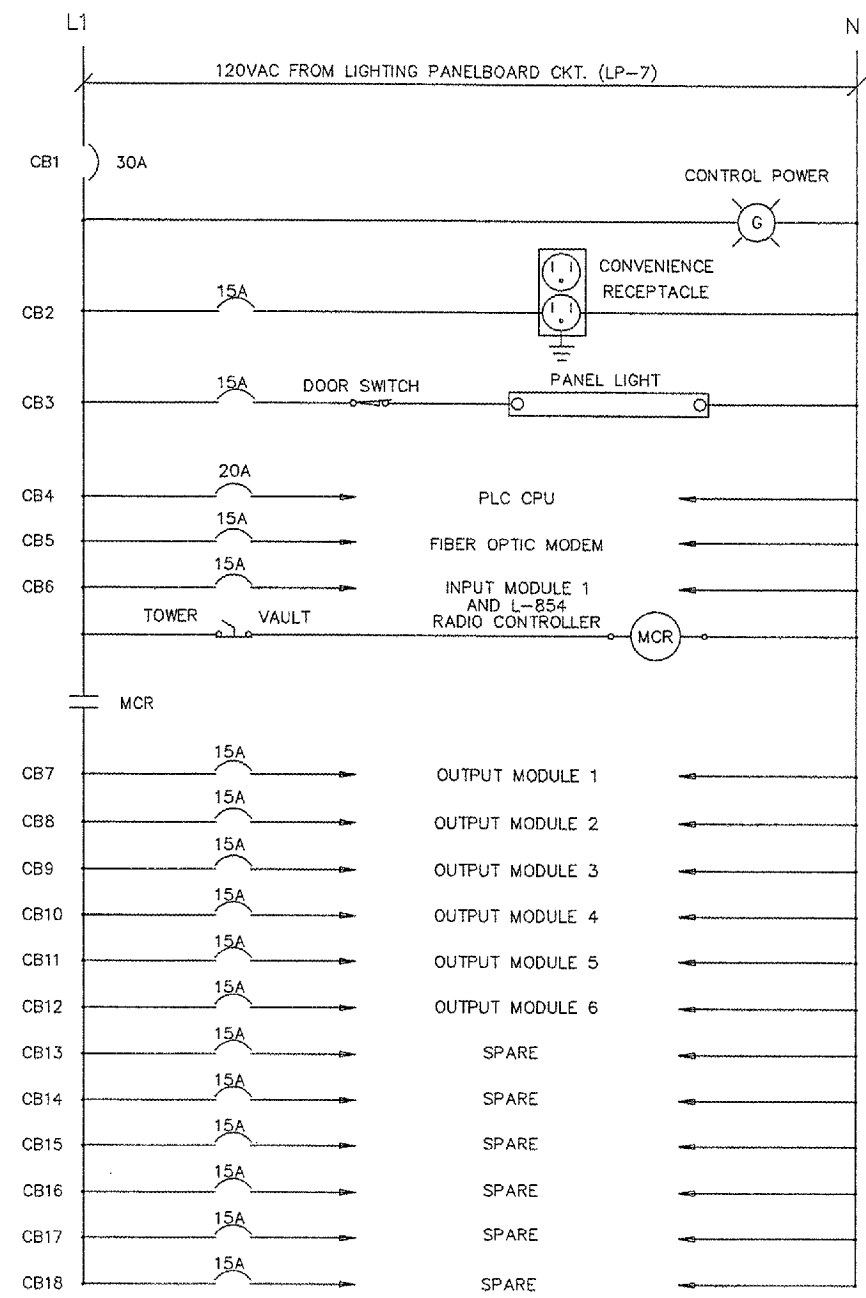
- NOTES:**
1. ALL PROPOSED WORK OF ITEMS BEING MODIFIED ARE SHOWN IN BOLD. ALL OTHER ITEMS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY.
 2. MODIFY EXISTING PLC LOGIC TO ADD PROPOSED 3-STEP REGULATOR.



NEW 3 #12 THWN & 1 #12 GND.
 IN EXISTING 4" GRSC TO PROPOSED
 3-STEP REGULATOR FOR TAXIWAY "C"
 CONTROL TERMINALS VIA LOW VOLTAGE
 WIREWAY IN CENTER OF VAULT.

PLC ENCLOSURE DETAIL
 1"=6"

- LEGEND**
- 1 EXISTING FIBER OPTIC MODEM.
 - 2 EXISTING PROGRAMMABLE LOGIC CONTROLLER (PLC).
 - 3 EXISTING PLC POWER SUPPLY.
 - 4 EXISTING 4"x2"W PLASTIC WIRE DUCT.
 - 5 EXISTING 4"x4" PLASTIC WIRE DUCT.
 - 6 EXISTING RAIL MOUNTED CIRCUIT BREAKERS.
 - 7 EXISTING NEUTRAL TERMINALS.
 - 8 EXISTING 30A MAIN CIRCUIT BREAKER.
 - 9 EXISTING CONVENIENCE RECEPTACLE.
 - 10 EXISTING GROUND LUG.
 - 11 EXISTING TERMINALS CONNECT REGULATOR CONTROL WIRES.
 - 12 EXISTING 60"Hx48"Wx12"D NEMA 12 ENCLOSURE
 - 13 (6) EXISTING SQUARE D HOM 221, 120VAC OUTPUT MODULES.
 - 14 (23) EXISTING SINGLE POLE RELAYS OR RELAY TYPE TERMINAL BLOCKS WITH 120VAC COILS & 5A RATED CONTACTS.
 - 15 SPACE FOR FUTURE I/O RACK
 - 16 EXISTING SQUARE D, RIM 101, 120VAC, INPUT MODULE.



**PLC ENCLOSURE POWER
 SCHEMATIC**