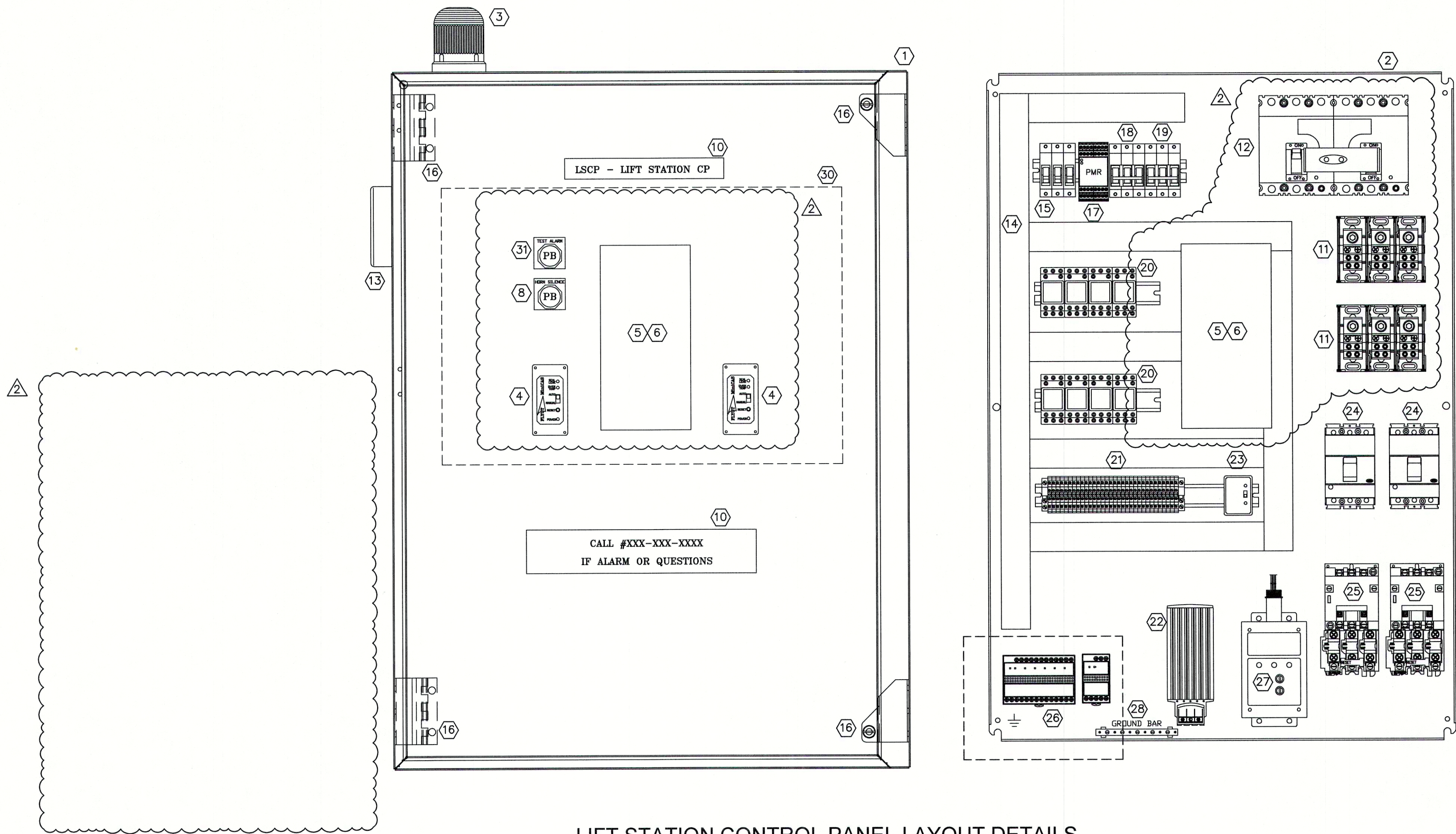


Plot Date: Mar 28, 2018 Plot Time: 2:57am File Name: Y:\indy North Projects\2018\2018104 Maple Trails LS PWO\C5.5 - New Pump Control Panel Layout Details.dwg Layout: ANSI D By: ekzm



LIFT STATION CONTROL PANEL LAYOUT DETAILS
SCALE: NONE


GENERAL ELECTRICAL NOTE:


THE CONTRACTOR/PANEL FABRICATOR SHALL BE RESPONSIBLE FOR THE FINAL SELECTION OF COMPONENTS, LAYOUT, FABRICATION, WIRING AND PROGRAMMING; ALL SUBJECT TO SHOP DRAWING REVIEW. THESE DETAILS ARE INTENDED TO INDICATE SCOPE OF WORK, QUALITY REQUIREMENTS, AND EXPECTATIONS.

ELECTRICAL KEYED NOTES:

1. NEMA 4X STAINLESS STEEL DISCONNECT ENCLOSURE, 48"X36"X12" MINIMUM. WITH 3 POINT LATCH AND LOCKABLE HANDLE.
2. 48"X36" EQUIPMENT PANEL. TYPICAL FOR SWING PANEL AND INTERIOR EQUIPMENT PANEL. INCLUDE SWING PANEL KIT.
3. ALARM BEACON, STROBE LIGHT. HIGH LEVEL.
4. FLYGT MINICAS II FLUSH MOUNT SEAL FAIL RELAY (OR EQUAL). RELAY SHALL INCLUDE RESET BUTTON, LOCAL SEAL FAIL, OVER TEMP AND POWER INDICATORS.
5. ELAPSED RUNTIME METER, TYPICAL FOR EACH PUMP, INCLUDED IN CONTROLLER.
6. NEW DUPLEX PUMP CONTROLLER - DCC MODEL #11928-5.
7. NOT USED.
8. PUSHBUTTON FOR ALARM RESET/HORN SILENCE. 30.5MM NEMA4X.
9. NOT USED.
10. NAME PLATES. WHITE WITH BLACK LETTERS.
11. DISTRIBUTION BLOCK.
12. 200A MAIN PANEL CIRCUIT BREAKER LSI/ GENERATOR BREAKER WITH BREAKER SLIDE; ONLY (1) BREAKER MAY OPERATE.
13. NEMA 4X ALARM HORN.
14. WIRE DUCT - AS NEEDED.
15. 1 POLE 120VAC 20A CONTROL POWER CIRCUIT BREAKER: EXTERIOR LIGHTING, EXTERIOR RECEPTACLE, OMNISITE RADIO.
16. SWING PANEL KIT BRACKETS.
17. PHASE MONITOR RELAY.
18. 3 POLE PHASE MONITOR RELAY CIRCUIT BREAKER.
19. 3 POLE SURGE PROTECTION DEVICE CIRCUIT BREAKER.
20. CONTROL RELAYS, 120VAC COIL AND 10A MIN. CONTACT RATING. DPDT TYPICAL.
21. INTERFACE TERMINAL BLOCKS.
22. 100W PANEL HEATER WITH INTEGRAL THERMOSTAT.
23. PUMP ALTERNATOR.
24. 50A MOTOR PROTECTION CIRCUIT BREAKERS. NEMA RATED. TYPICAL FOR EACH PUMP.
25. MINIMUM SIZE 3 NEMA RATED FVNR MOTOR STARTERS WITH SOLID STATE OVERLOADS AND AUXILIARY CONTACTS. TYPICAL FOR EACH PUMP.
26. DIGITAL AND ANALOG ISB FOR FLOATS AND LEVEL TRANSDUCER.
27. SURGE PROTECTION - 3 PHASE.
28. GROUND BUS BAR.
29. NOT USED.
30. DEVICES INSTALLED ON INTERIOR SWING PANEL.
31. PUSH TO TEST ALARM.

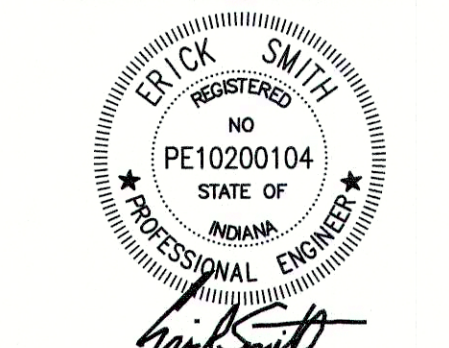
REVISIONS		
DATE	DESCRIPTION	BY
3/23/18	FCRWD REVIEW	EKZ

**HWC**
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MAPLE TRAILS
SECTION 1
LIFT STATION - NEW PUMP CONTROL
PANEL LAYOUT DETAILS


Erick Smith

DRAWN BY	EKZ
CHECKED BY	ES
DATE	FEBRUARY 15, 2018
SCALE	AS SHOWN

SHEET

C5.5

NEW PUMP CONTROL
PANEL LAYOUT DETAILS