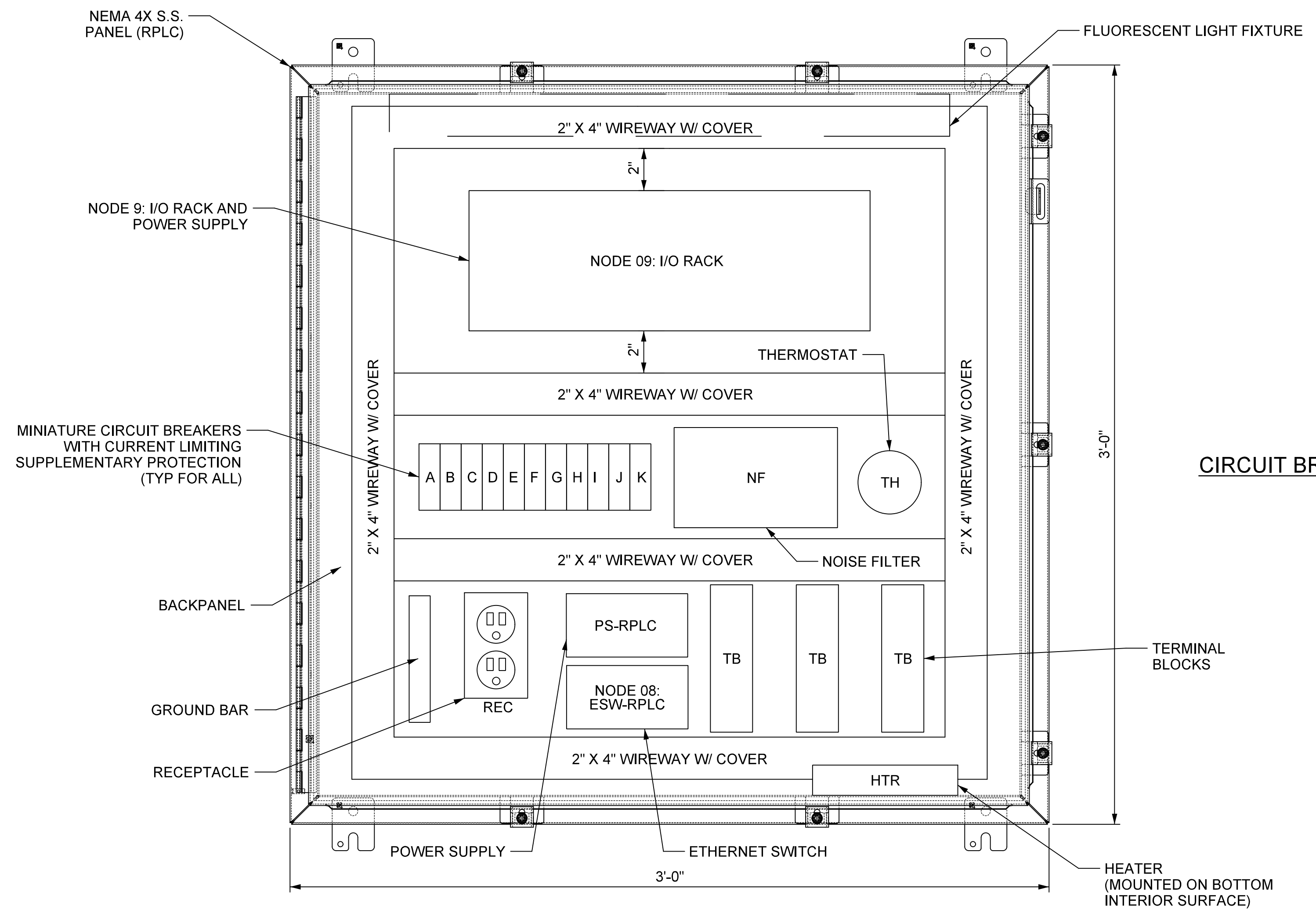


REMOTE I/O PLC PANEL (RPLC) FRONT VIEW

SCALE: 3" = 1'-0"



REMOTE I/O PLC PANEL (RPLC) INTERNAL LAYOUT

SCALE: 3" = 1'-0"

CIRCUIT BREAKER IDENTIFICATION

A	CB-RPLC-1
B	CB-RPLC-2
C	CB-RPLC-3
D	CB-RPLC-4
E	CB-RPLC-5
F	CB-RPLC-6
G	CB-RPLC-7
H	CB-RPLC-8
I	CB-RPLC-9
J	CB-RPLC-10 (SPARE)
K	CB-RPLC-11 (SPARE)

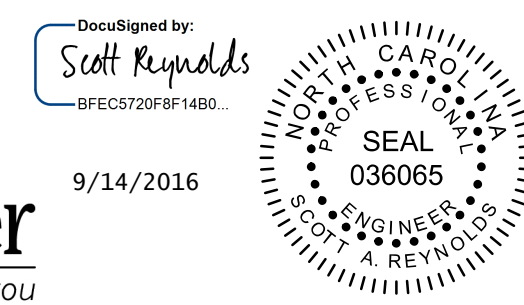
NOTES:

- FOR GENERAL ABBREVIATIONS SEE DWG. NO. E-2.
- RPLC PANEL ENCLOSURE SHALL BE A NEMA 4X S.S. ENCLOSURE
- THE CONTRACTOR SHALL USE THE LAYOUT VIEW AS A GUIDE TO INSTALLING THE ELECTRICAL COMPONENTS. IF REQUIRED, THE CONTRACTOR SHALL RELOCATE COMPONENTS TO ALLOW FOR PROPER INSTALLATION OF THE COMPONENTS.
- ALL CORNERS AND EDGES SHALL BE ROUNDED AND SMOOTHED.
- LEVEL RPLC PANEL DURING INSTALLATION.
- PROVIDE FLUORESCENT LIGHT FIXTURE INSIDE THE RPLC PANEL WITH STANDARD 18" BULB PROTECTED BY A CLEAR, NON-YELLOWING PLASTIC LENS. LIGHT SHALL BE AUTOMATICALLY CONTROLLED BY DOOR SWITCH ACTIVATED BY THE DOOR.
- PROVIDE, AS SHOWN ON THE LAYOUT, DUPLEX RECEPTACLES 15 AMP, 125 VAC, FEDERAL SPEC GRADE INSTALLED IN STANDARD UTILITY BOX WITH METAL COVER PLATE.
- INTERNAL COMPONENTS SHALL BE MOUNTED ON BACK PANELS. BUSHED OPENINGS SHALL BE PROVIDED FOR CONDUCTORS ACCESS. FIELD CONNECTIONS TO CONTROL ENCLOSURE. ALL FIELD WIRING SHALL TERMINATE ON TERMINAL BLOCKS.
- CIRCUIT BREAKERS SHALL BE MOUNTED ON HIGH RISE TERMINAL RAIL.
- LOW VOLTAGE AND ANALOG SIGNALS SHALL BE ISOLATED FROM 120VAC WIRING AND EQUIPMENT.
- SEE ETHERNET SCHEMATIC LAYOUT ON SHEET E-29 FOR THE NODE MODULE DETAILS.

BILL OF MATERIAL

TAG	QTY	MODEL NUMBER	DESCRIPTION
NODE 09: I/O RACK	1	1756-A10	10 SLOT RACK
-	1	1756-PA/72C	POWER SUPPLY FOR RACK
-	3	1756-IA16	16 DISCRETE INPUTS, 120VAC
-	1	1756-OX8I	8 DIGITAL OUTPUTS, 120VAC
-	1	1756-IF6I	6 ANALOG INPUTS
-	1	1756-EN2T	10/100MBPS & 128 TCP/IP CONNECTIONS & 256 LOGIX CONNECTIONS
-	2	1756-N2	FILLER FOR EMPTY RACK SLOT
TB	AS REQUIRED	1492 SERIES	ALLEN BRADLEY TERMINAL BLOCKS
ESW-RPLC	1	STRATIX 5700 1783-BMS	10 PORT ETHERNET SWITCH WITH 2 SFP ADAPTER TO CONNECT DIRECTLY TO THE FIBER LINE
PS-RPLC	1	1606-XLP9SE	ALLEN BRADLEY COMPACT SWITCHED MODE POWER SUPPLIES 24VDC
REC-RPLC	1	1SNAB92461R1500	ABB CONTROL INC. RECEPTACLE
-	1	ECGB10	SIEMENS ENERGY AND AUTOMATION GROUND BAR
TH-RPLC	1	17111000010	PFANNENBERG THERMOSTAT
-	AS REQUIRED	-	PVC WIREWAY 2 INCH WIDE 4 INCH DEEP WITH COVERS
LT-RPLC	1	-	PANEL MOUNTED FLUORESCENT LIGHT WITH DOOR SWITCH
HTR-RPLC	1	17006005007	PFANNENBERG 1SOW RADIANT HEATER
RPLC	1	A36H3612SS6LP	HOFFMAN 36" BY 36" BY 12" NEMA 4X STAINLESS STEEL PANEL WITH BACKPLATE
CB-RPLCIN	1	1489-A1C050	ALLEN BRADLEY 1 POLE CIRCUIT BREAKER 5A
CB-RPLC1	1	1489-A1C050	ALLEN BRADLEY 1 POLE CIRCUIT BREAKER 5A
TO	-	-	-
CB-RPLC11	1	1489-A1C050	ALLEN BRADLEY 1 POLE CIRCUIT BREAKER 5A

* EXCLUDING PLC EQUIPMENT, MODEL NUMBER PARTS ARE THE RECOMMENDED PARTS AND MAY BE REPLACED WITH APPROVED EQUAL.



PROJECT NO. B-5936
TYRRELL COUNTY
 BRIDGE NO: 7

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**REMOTE PROGRAMMABLE
 LOGIC CONTROLLER:
 INTERIOR & LAYOUT**
 ALLIGATOR RIVER
 SWING SPAN

DRAWN BY: _QIV DATE: 8/8/2016
 CHECKED BY: _MJT DATE: 8/8/2016
 DESIGN ENGINEER OF RECORD: _CHS DATE: 8/8/2016

DWG NUMBER	TOTAL DWGS	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	NO	BY	DATE	NO	BY	DATE	SHEET NO.
42	90		1			3			E-26
			2			4			TOTAL SHEETS 51