



NORTH  
**1** ELECTRICAL SITE PLAN  
 SCALE = 1" = 30'-0"

SYMBOL SCHEDULE	
	FIELD SPORTS LIGHTING POLE & FIXTURES
	UNDERGROUND ELECTRICAL SERVICE
	PULLBOX
	EXIST. LIGHT POLE

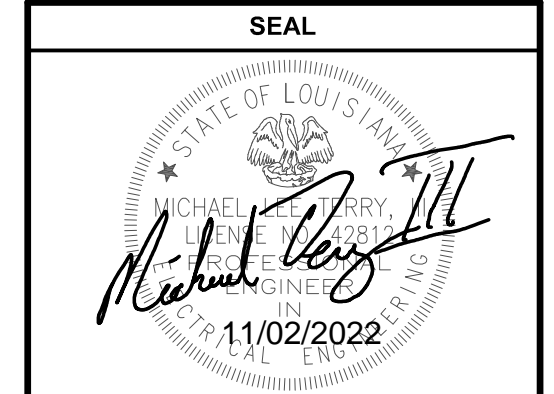
**ELECTRICAL SITE PLAN NOTES**

- FINAL POLE LOCATIONS SHALL BE SHIFTED AS APPROVED BY ENGINEER TO AVOID CONFLICTS WITH HIDDEN OBSTRUCTIONS TO ACHIEVE REQUIRED FOOT CANDLE LEVELS WITH APPROPRIATE MAXIMUM/MINIMUM REQUIREMENTS.
- CONTRACTOR SHALL FURNISH PHOTOMETRIC PRINTOUT OF FIELD INDICATING POLE LOCATIONS, QUANTITY OF FIXTURES, FIXTURE AIMING POSITIONS, AND MAXIMUM/MINIMUM VALUES PRIOR TO BIDDING.
- INSTALLATION OF POLES WILL NOT BE ALLOWED UNTIL CONTRACTOR RECEIVES APPROVAL OF PHOTOMETRIC PRINTOUT.
- EXISTING ELECTRICAL DEVICES AND ASSOCIATED CIRCUITS TO REMAIN AND SHALL BE SUPPORTED DURING CONSTRUCTION, UNLESS NOTED OTHERWISE. PROVIDE TEMPORARY POWER CONNECTIONS TO EXISTING CIRCUITS.
- INSTALLATION OF POLES WILL NOT BE ALLOWED UNTIL LOUISIANA CIVIL ENGINEER PREPARED FOUNDATION DRAWINGS HAVE BEEN APPROVED.
- IF CONTRACTOR MUST BE REQUIRED TO REMOVE ANY EXISTING FENCING TO OBTAIN EQUIPMENT ACCESS TO WORK AREAS, THE FENCING SHALL BE REPLACED AT COMPLETION OF PROJECT. CONTRACTOR SHALL MAINTAIN SITE SECURITY WHILE FENCING IS REMOVED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING GROUND AND CONCRETE WALK WAYS/DRIVES WHERE DAMAGED DURING CONSTRUCTION. CONTRACTOR SHALL NOT CROSS BASEBALL FIELD WITH CONSTRUCTION VEHICLES.
- DEMOLITION EXISTING ELECTRICAL LIGHTING EQUIPMENT (VERIFY WITH ENGINEER PRIOR TO DEMOLITION)
- CONTRACTOR SHALL TURN OVER ALL DEMOLISHED ITEMS TO OWNER FOR DISPOSAL.
- REUSE EXISTING CONDUIT WHERE POSSIBLE. ANY BROKEN OR MISSING UNDERGROUND CONDUIT SHALL BE NOTED AND BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- COORDINATE THE REINSTALLATION LOCATION OF EXISTING SPEAKERS WITH OWNER. CONTRACTOR SHALL TEST AND VERIFY SOUND AFTER REINSTALLATION.

**ELECTRICAL SITE PLAN KEYNOTES**  
 ① NEW GALVANIZED STEEL RACK. SEE RISER DIAGRAM FOR MORE DETAIL.



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**PROJECT INFORMATION**

**LA LA REGIRA FIELDS LIGHTING**  
 896 Clay Street  
 Donaldsonville, LA 70346

**REVISIONS**

NO.	DESCRIPTION	DATE
1	ADDENDUM 1	11/02/22

**SHEET INFORMATION**

DATE:	09/08/2022
DRAWN BY:	CC
CHECKED BY:	SC
PROJECT #:	22-092

**SHEET NAME**

**ELECTRICAL SITE PLAN**

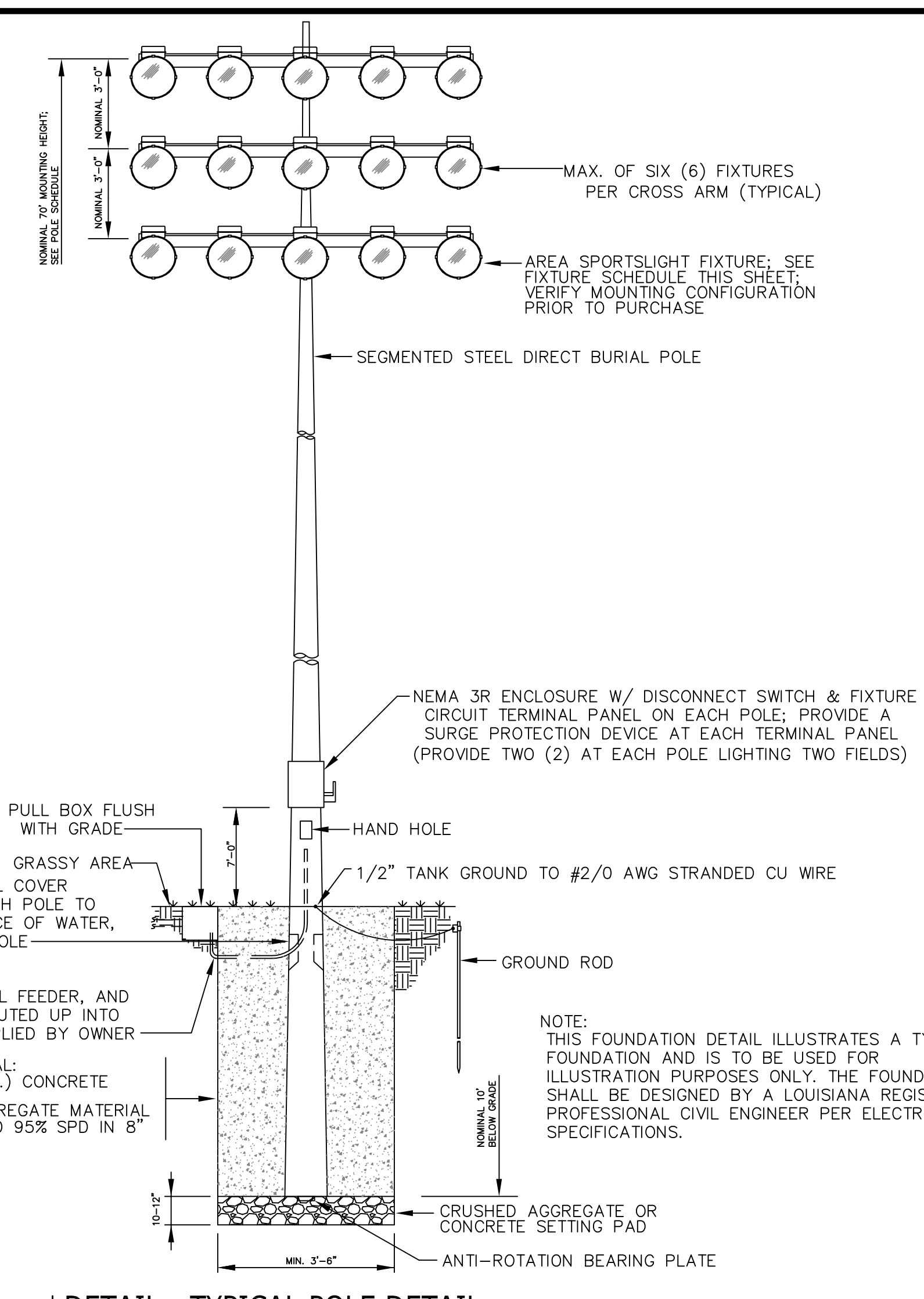
**SHEET NUMBER**

**E2.0**



**1** FIELD PHOTOMETRIC LAYOUT  
SCALE = 1" = 30'-0"

- LIGHTING CALCULATIONS GENERAL NOTES**
1. FIXTURE QUANTITY BASED ON SPECIFIED FIXTURES. FIXTURES QUANTITY BY OTHER MANUFACTURERS MUST BE SENT FOR PRIOR APPROVAL. PHOTOMETRIC MUST MEET MINIMUM STANDARDS DISPLAYED ON E3.0.
  2. CONTRACTOR SHALL FURNISH PHOTOMETRIC PRINTOUT OF BASEBALL FIELDS (AREA WITHIN FENCES) INDICATING POLE LOCATIONS, QUANTITY OF FIXTURES, FIXTURE AIMING POSITIONS, INFIELD AND OUTFIELD FOOTCANDLE LEVELS, AND INFIELD AND OUTFIELD MAX/MIN VALUES WITH THE BID PACKAGE. PHOTOMETRIC PRINTOUT AND FIXTURE CUTSHEETS SHALL BE SENT FOR PRIOR APPROVAL.
  3. CONTRACTOR SHALL FURNISH DOCUMENTATION THAT THE PROPOSED QUANTITY OF FIXTURES, AS WELL AS ANY ADDITIONAL SUPPORTING MEMBERS REQUIRED, WILL NOT COMPROMISE THE STRUCTURAL INTEGRITY OF THE EXISTING POLES. CONTRACTOR SHALL SUBMIT CALCULATIONS AND DOCUMENTATION WITH THE BID PACKAGE. CALCULATIONS AND DOCUMENTATION SHALL BE SENT FOR PRIOR APPROVAL.
  4. INSTALLATION OF FIXTURES WILL NOT BE ALLOWED UNTIL CONTRACTOR RECEIVES APPROVAL OF PHOTOMETRIC PRINTOUT.
  5. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF EXISTING FIELD LIGHTING FIXTURES AND ASSOCIATED EQUIPMENT AND WIRING. CONTRACTOR SHALL STORE ALL REMOVED EQUIPMENT IN THE LOCATION DESIGNATED BY THE OWNER. EQUIPMENT DISPOSAL BY OWNER.



**2** DETAIL - TYPICAL POLE DETAIL  
SCALE = N.T.S.

EGRESS	
GeoSport Elite Clir 630W Light Loss Factor = 0.950 Watts per luminaire = 632	
EW60	
GeoSport Elite Clir EV 630W Light Loss Factor = 0.950 Watts per luminaire = 612	
W40	
GeoSport Elite Clir EV 630W Light Loss Factor = 0.950 Watts per luminaire = 631	
M20	
GeoSport Elite Clir EV 630W Light Loss Factor = 0.950 Watts per luminaire = 620	
N15	
GeoSport Elite Clir EV 630W Light Loss Factor = 0.950 Watts per luminaire = 610	

NOTE: ALL FIXTURES SHALL BE SENT WITH PHOTOMETRIC REPORTS AND LAYOUTS FOR PRIOR APPROVAL.

**LIGHTING REQUIREMENTS**  
INFIELD LIGHTING: 50fc 1.5:1 MAX/MIN  
OUTFIELD LIGHTING: 30fc 1.5:1 MAX/MIN

POLE SCHEDULE										
Pole	x	y	height	N15	M20	W40	EW60	EGRESS	M	Total kW
A1	-40	30	60FT	1	2	3				6 3.7
A2	50	-45	60FT	6	1	3				5-5 6.2
A3	99	-83	60FT	4	3	3				5-5 6.2
B1	-10	205	60FT	3	6	1	1			11 6.8
B2	195	-24	60FT	3	8	4	1			11-5 9.9
B3	352	-38	60FT	3	6	1	1			10 6.2
B4	-32	-258	60FT	3	6	2				10 6.2
B5	76	-259	60FT	2	5	2				10 6.2
B6	-129.8	-64.5	60FT	2	5	2		8		8 5.0
OTHER										
<b>Total</b>				<b>17</b>	<b>49</b>	<b>12</b>	<b>14</b>	<b>8</b>		<b>100 62</b>

- NOTES:**
1. POLES A1 AND B3 HAVE ONE FIELD AIMED EGRESS FIXTURE EACH AT 40' ABG. POLES A2, A3, AND B2 HAVE TWO FIELD AIMED EGRESS FIXTURES EACH AT 40' ABG.
  2. COORDINATE EGRESS LIGHTING PLACEMENT AND AIMING WITH THE ENGINEER PRIOR TO CONSTRUCTION.
  3. POLE B5 SHALL HAVE ONE M20 AIMED TOWARDS BULLPEN CONTROLLED BY AN INDEPENDENT SWITCH.

**PARISH ENGINEERING**  
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**SEAL**  
STATE OF LOUISIANA  
MICHAEL J. PARISH  
Professional Engineer  
No. 111,022  
11/02/2022

**PROJECT INFORMATION**

**LA LA REGIRA FIELDS LIGHTING**

896 Clay Street  
Donaldsonville, LA 70346

REVISIONS		
1	ADDENDUM 1	11/02/22

**SHEET INFORMATION**

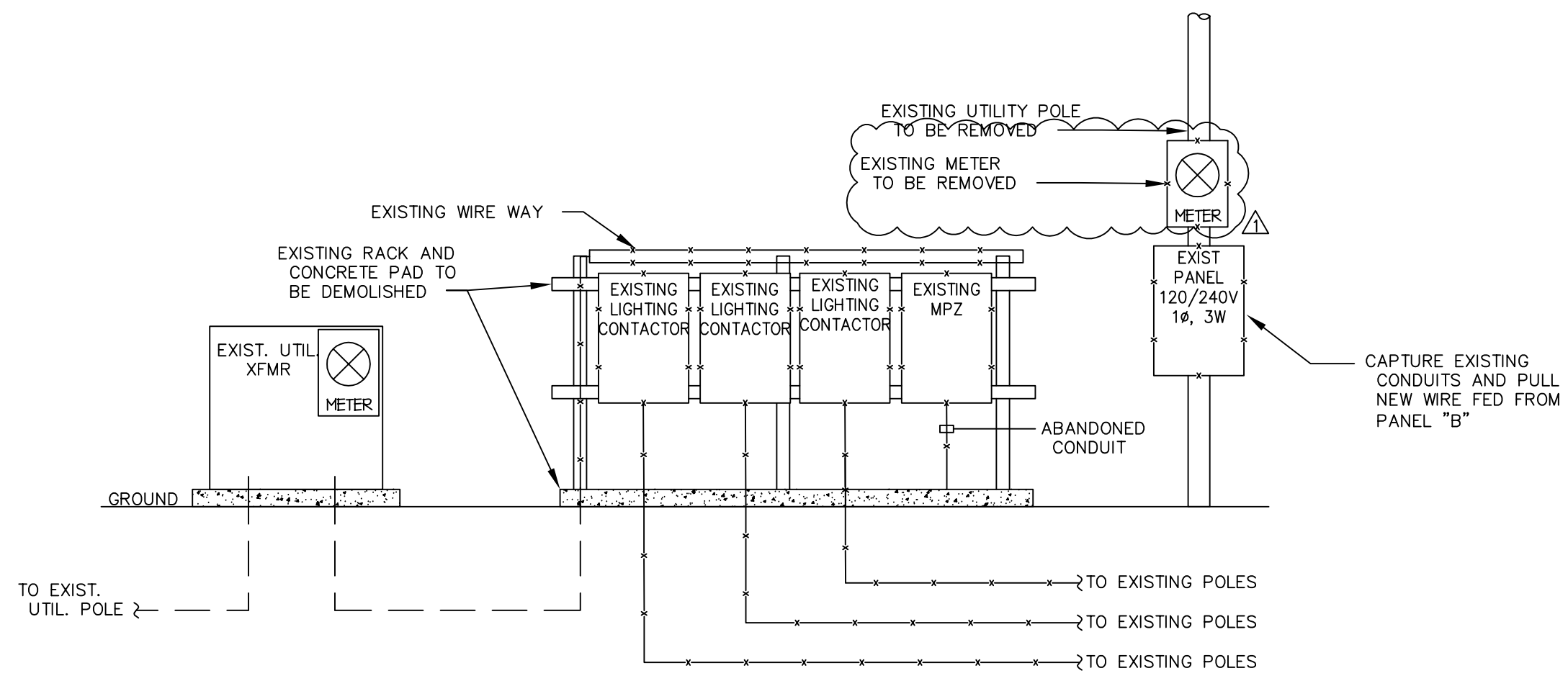
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**SHEET NAME**  
**LIGHTING PLAN & DETAILS**

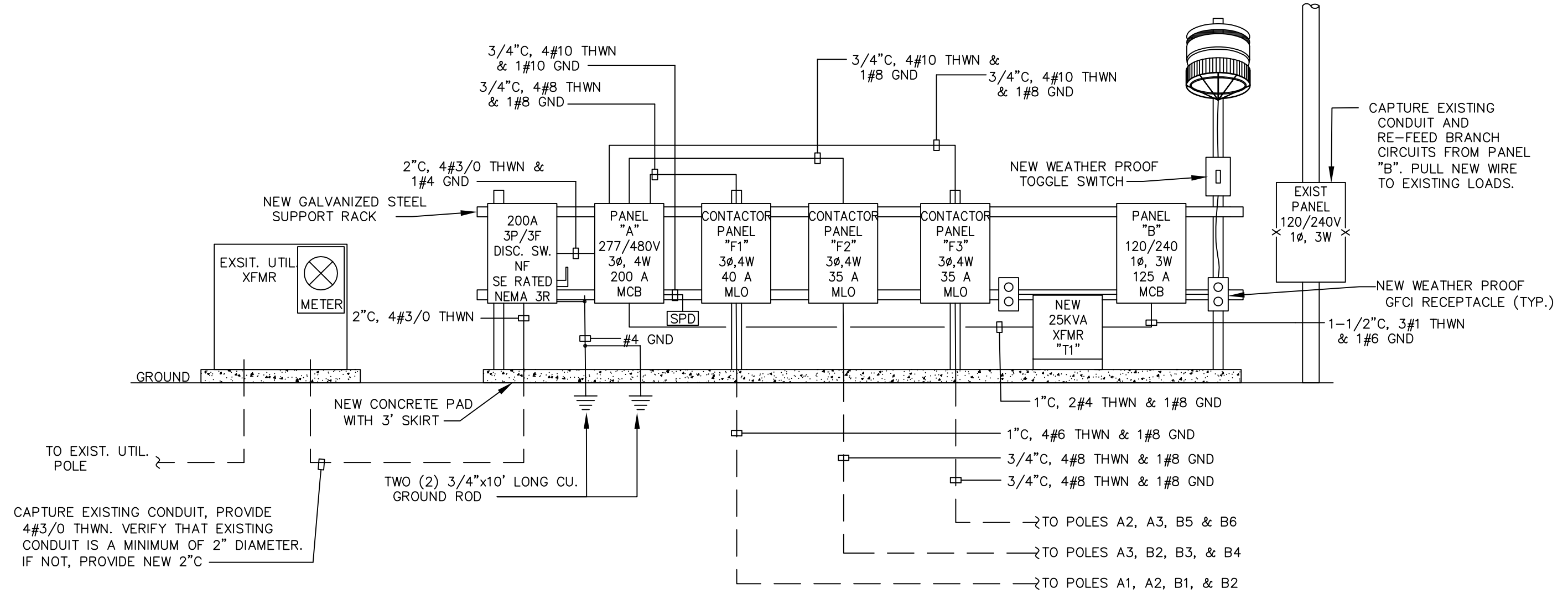
**SHEET NUMBER**  
**E3.0**

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**SEAL**  
 STATE OF LOUISIANA  
 MICHAEL J. PARISH  
 ENGINEER  
 11/02/2022



**1** DEMOLITION RISER DIAGRAM  
 SCALE = N.T.S



**2** RISER DIAGRAM  
 SCALE = N.T.S

TYPE: BOLT-ON BREAKER PANELBOARD  
 SERVICE: 277/480 VOLT, 3Ø, 4W  
 MAIN: 200 AMP MCB  
 MOUNTING SURFACE: AIC: 22,000  
 REMARKS: GROUND BUS NEMA 3R

pos. no.	brk. no.	trip amp	brk. pole	wire size	cd	service	LOAD V.A.			pos. no.	brk. no.	trip amp	brk. pole	wire size	cd	service
							A Ø	B Ø	C Ø							
1	1	40	3	6	1"	CONTACTOR "F1"	4830	1500		2	2	35	3	8	3/4"	CONTACTOR "F2"
3						"	4830	1500		4						"
5						"	4830	1500		6						"
7	3	35	3	8	3/4"	CONTACTOR "F3"	5880	1500		8	8	70	2	8	1"	25 KVA XFMR "T1"
9						"	5880	1500		10						"
11						"	5880	1500		12						SPACE
13						SPACE				14	14	30	3	10	3/4"	SPD
15						"				16						"
17						"				18						"
connected V.A. per phase							31,610	31,610	19,110							
total amps per phase							114.2	114.2	70.0							

TYPE: BOLT-ON BREAKER PANELBOARD  
 SERVICE: 120/240 VOLT, 1Ø, 3W  
 MAIN: 125 AMP MCB  
 MOUNTING SURFACE: AIC: 10,000  
 REMARKS: GROUND BUS NEMA 3R

pos. no.	brk. no.	trip amp	brk. pole	wire size	cd	service	LOAD V.A.		pos. no.	brk. no.	trip amp	brk. pole	wire size	cd	service
							A Ø	B Ø							
1	1	20	1	12	5/4"	EXIST. BREAKER	1920		2	2	20	1	12	5/4"	EXIST. BREAKER
3	3	20	1	12	5/4"	EXIST. BREAKER	1920		4	4	20	1	12	5/4"	EXIST. BREAKER
5	5	20	1	12	5/4"	EXIST. BREAKER	1920		6	6	20	1	12	5/4"	EXIST. BREAKER
7	7	20	1	12	5/4"	EXIST. BREAKER	1920		8	8	20	1	12	5/4"	EXIST. BREAKER
9	9	20	1	12	5/4"	EXIST. BREAKER	1920		10	10					SPACE
11						SPACE			12	12					"
13						"			14	14					"
15						"			16	16					"
17						"			18	18					"
connected V.A. per phase							9,600	7,680							
total amps per phase							80	64							

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**SHEET INFORMATION**  
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**SHEET NAME**  
 ELECTRICAL RISER DIAGRAM & PANEL SCHEDULES

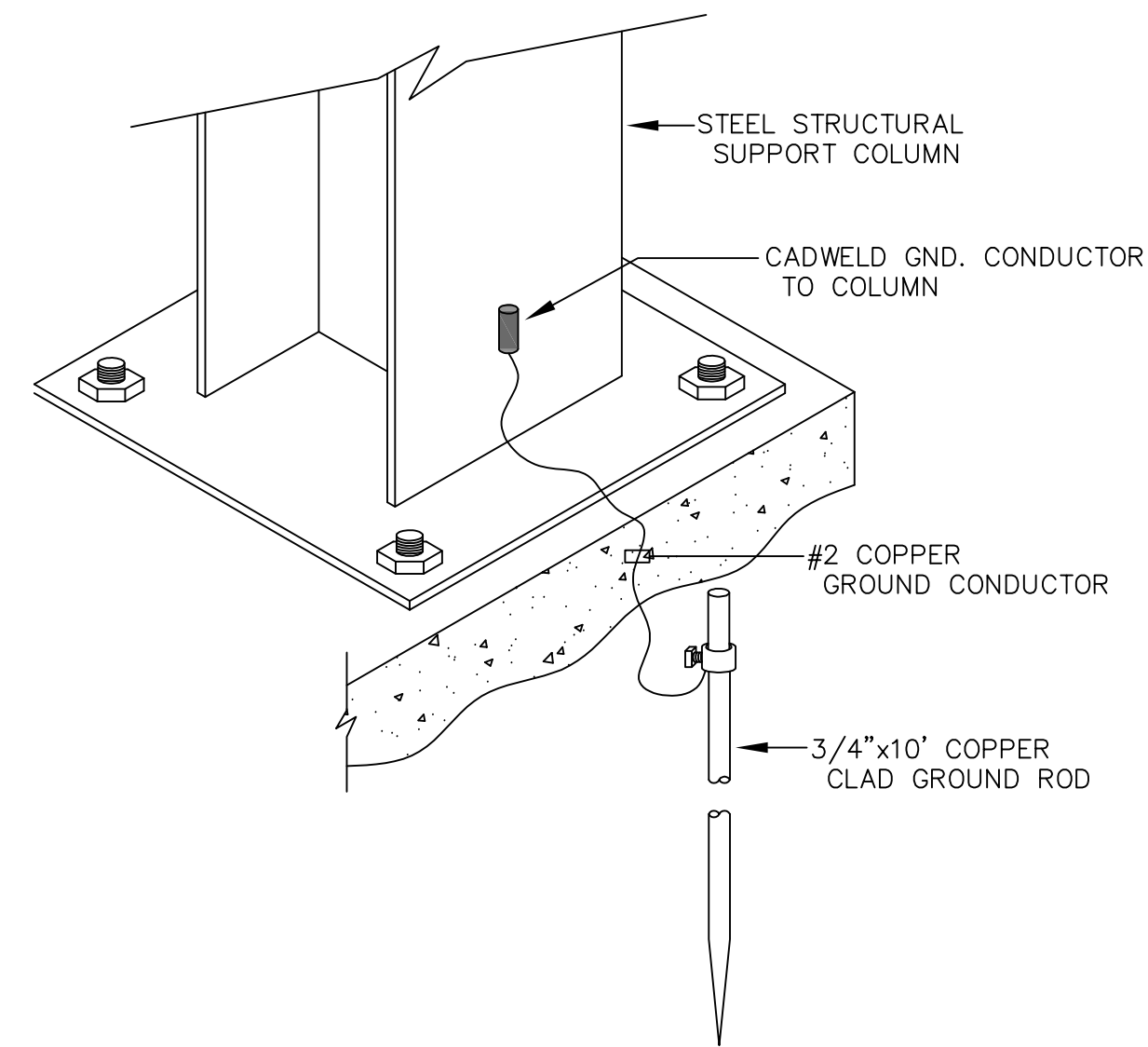
**SHEET NUMBER**  
 E4.0

**TYPICAL PANELBOARD PLAQUE**  
(INDICATE PANEL DESIGNATION)  
--- VOLTS --- PHASE --- WIRE  
--- AMPS --- MAIN ---  
FED FROM ---  
(INDICATE FEEDER ORIGIN I.D.)  
(PANEL AND CIRCUIT NO.)

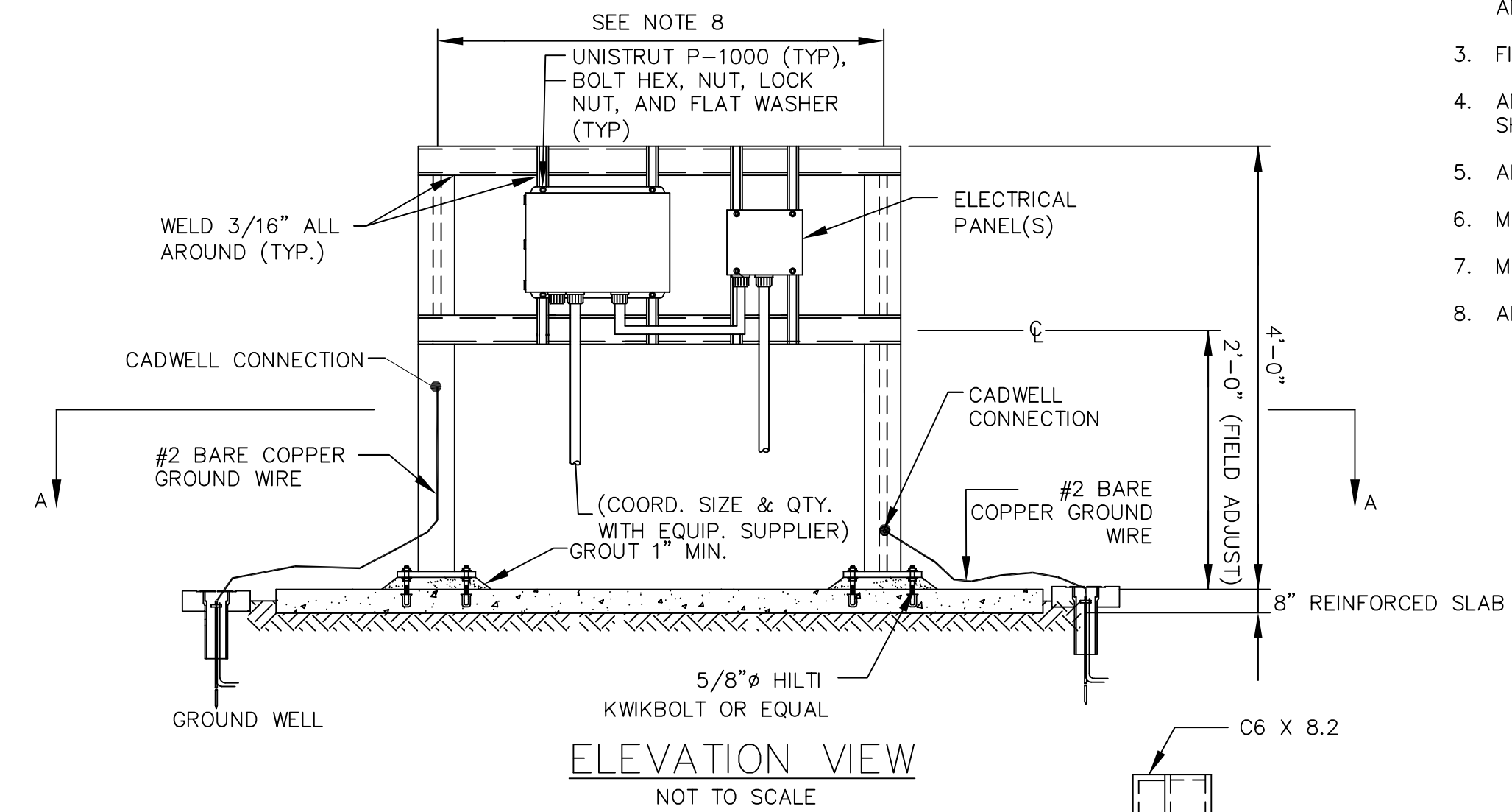
**TYPICAL DISCONNECT PLAQUE**  
(INDICATE EQUIPMENT DESCRIPTION)  
FUSED AT --- AMPERES  
FED FROM ---  
(INDICATE FEEDER ORIGIN I.D.)  
(PANEL AND CIRCUIT NO.)

SEE SPECIFICATIONS FOR MATERIALS, COLORS SIZE LETTERING, ETC.

ATTACH PLAQUES USING INDUSTRIAL GRADE DOUBLE FACE ADHESIVE.



THIS DETAIL IS INTENDED TO SHOW TYPICAL EQUIPMENT MOUNTING TECHNIQUES. ALL EQUIPMENT IS NOT SHOWN FOR CLARITY.

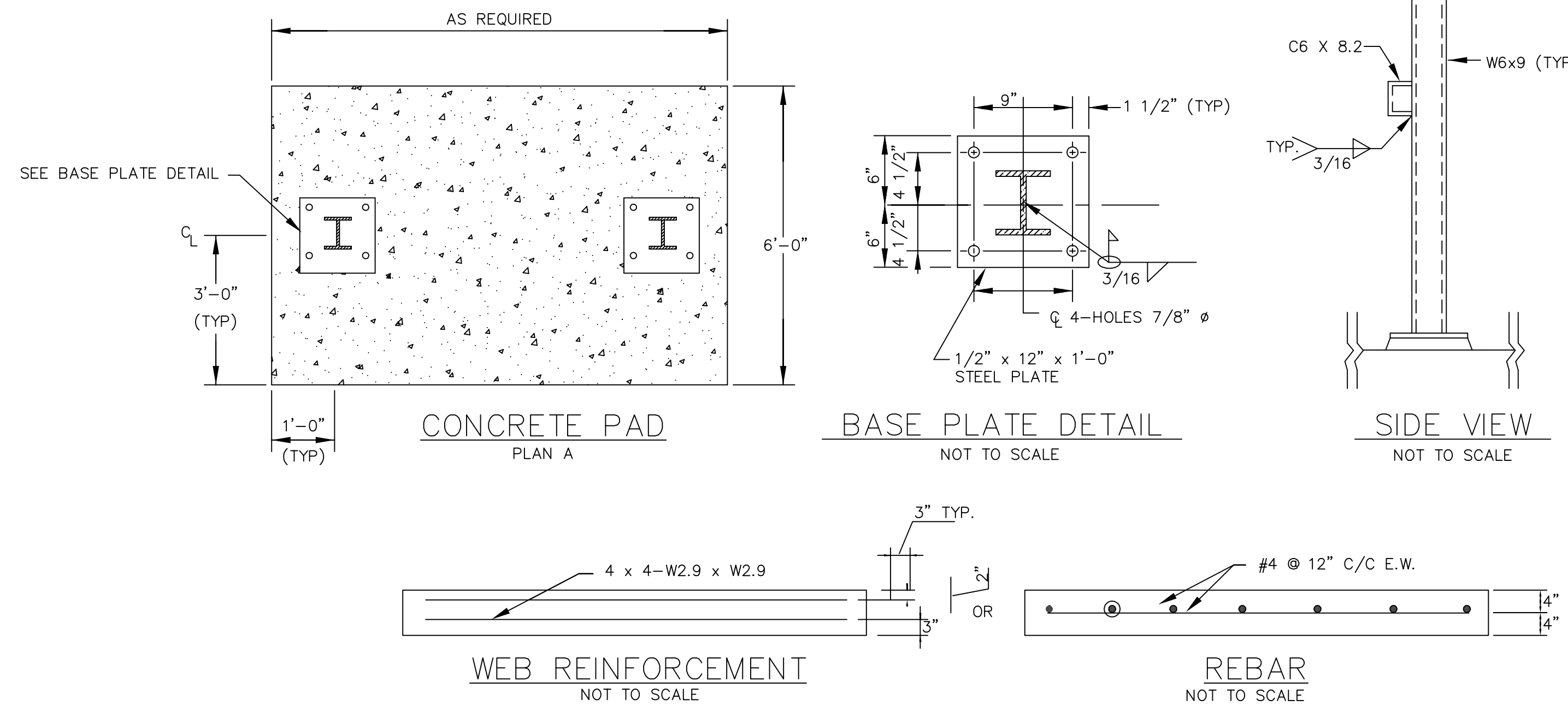
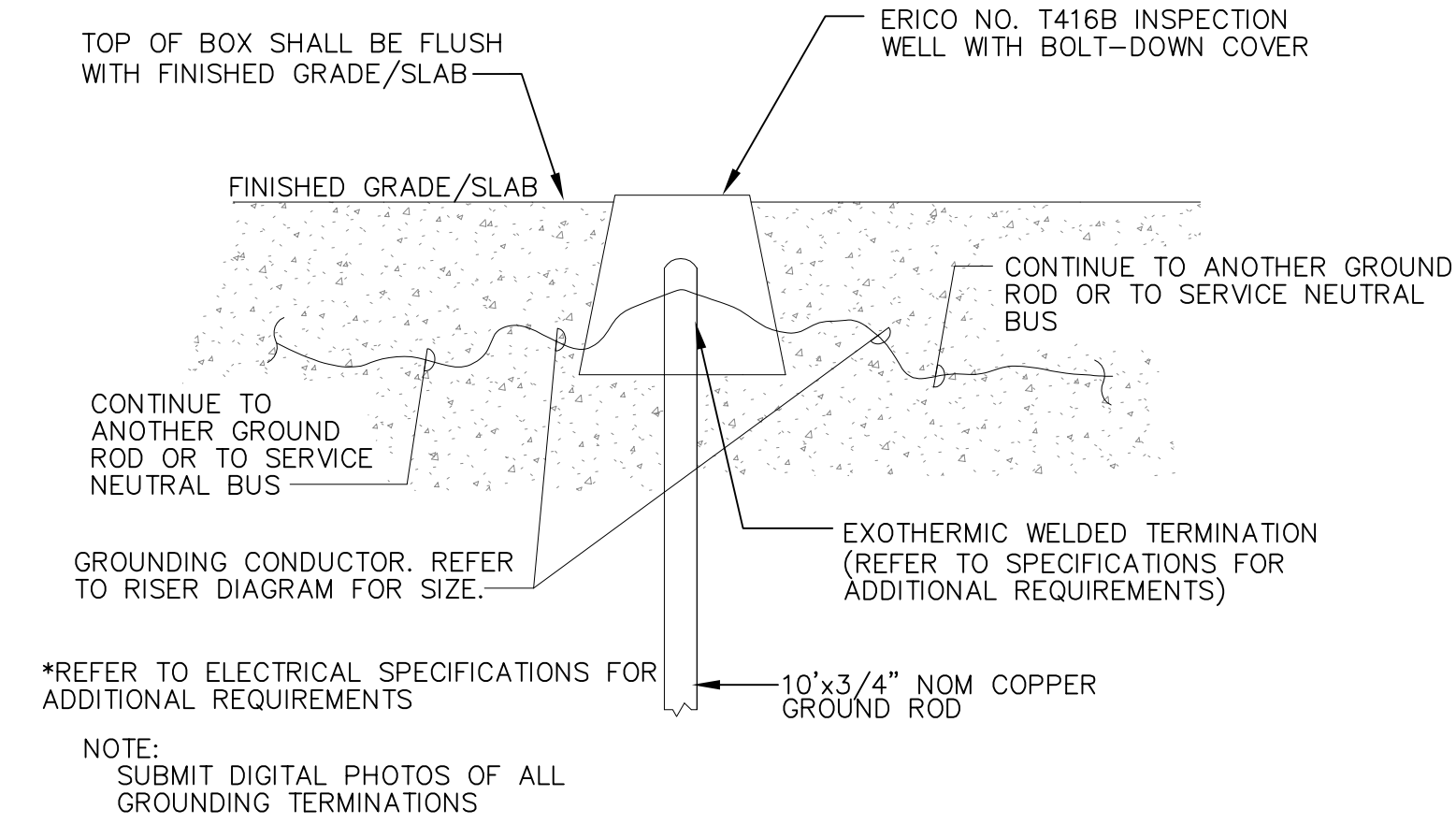


**NOTES:**

1. VERIFY ALL DIMENSIONS BEFORE FABRICATION.
2. REMOVE BURRS AND GRIND SHARP CORNERS AND EDGES. TOUCH UP AS REQUIRED AFTER WELDING AND DRILLING.
3. FIELD GROUT UNDER BASE PLATE.
4. ANCHOR BOLTS SHALL BE 4 INCH IN CONCRETE AND SHALL BE PROVIDED WITH HEX NUTS AND WASHERS.
5. ALL ALUMINUM SHALL BE 6061.
6. MINIMUM CONCRETE STRENGTH SHALL BE 3000 PSI.
7. MAXIMUM OF 6 FEET BETWEEN SUPPORT COLUMNS.
8. ALL UNISTRUT SHALL BE ALUMINUM TYPE.

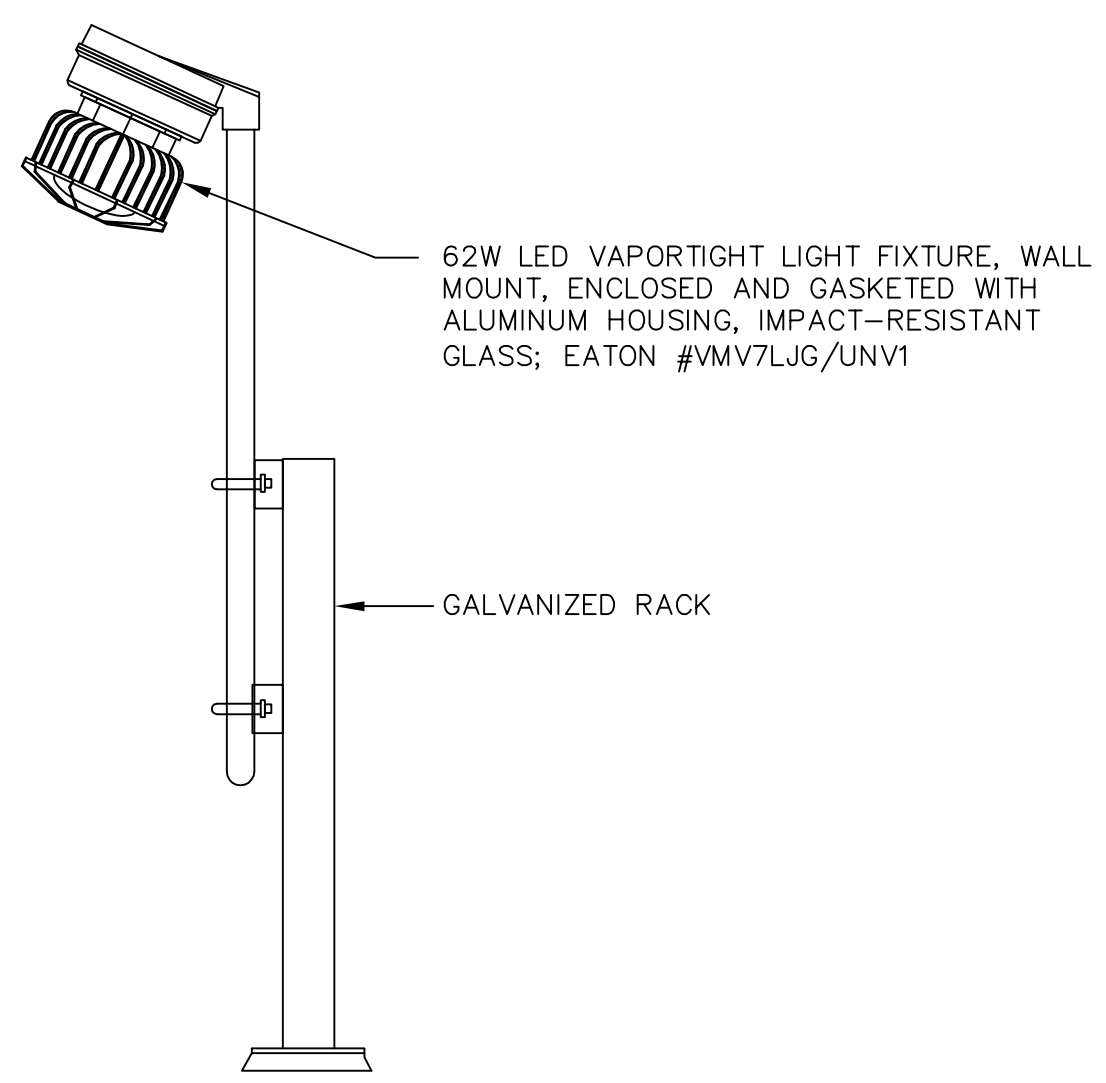
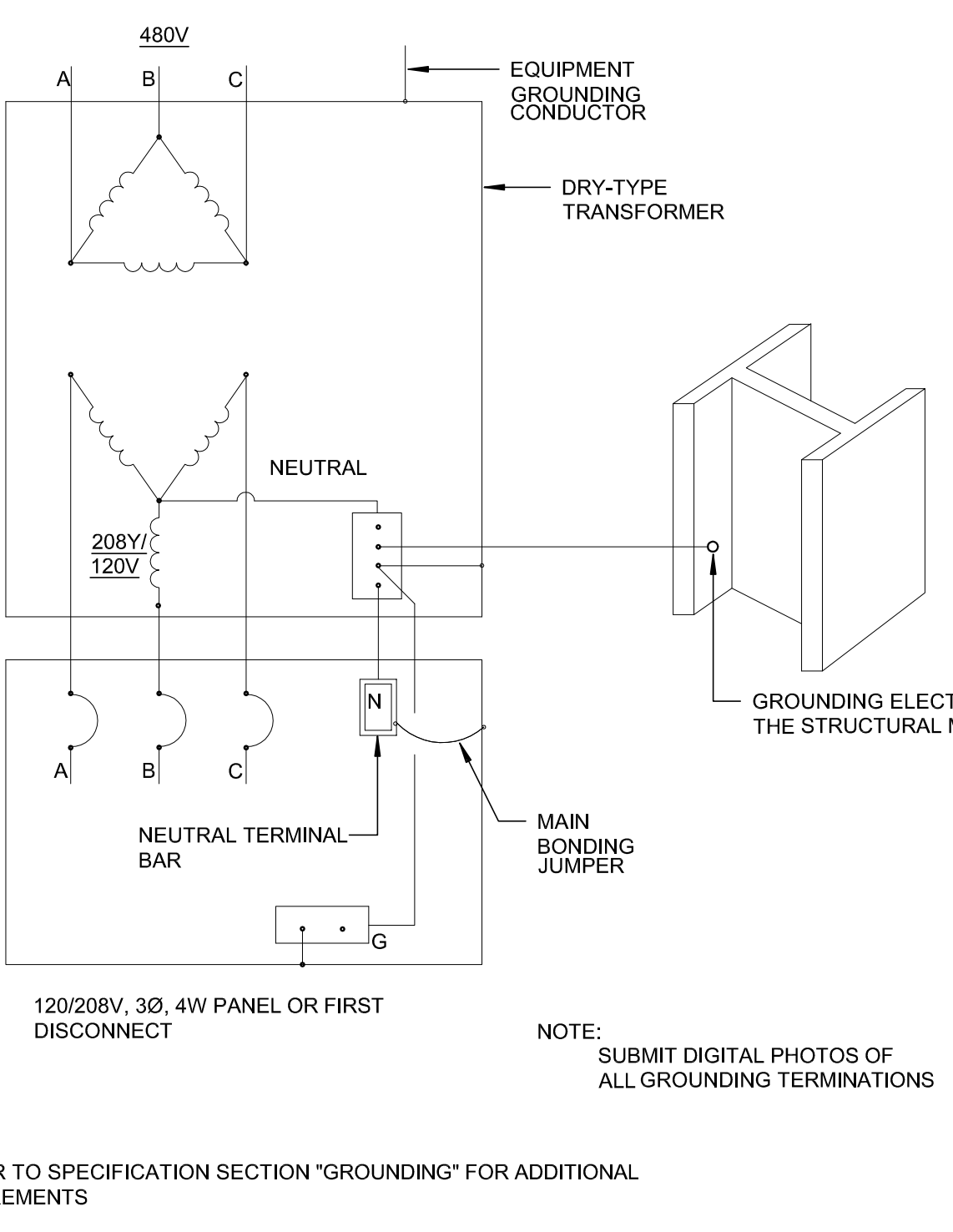
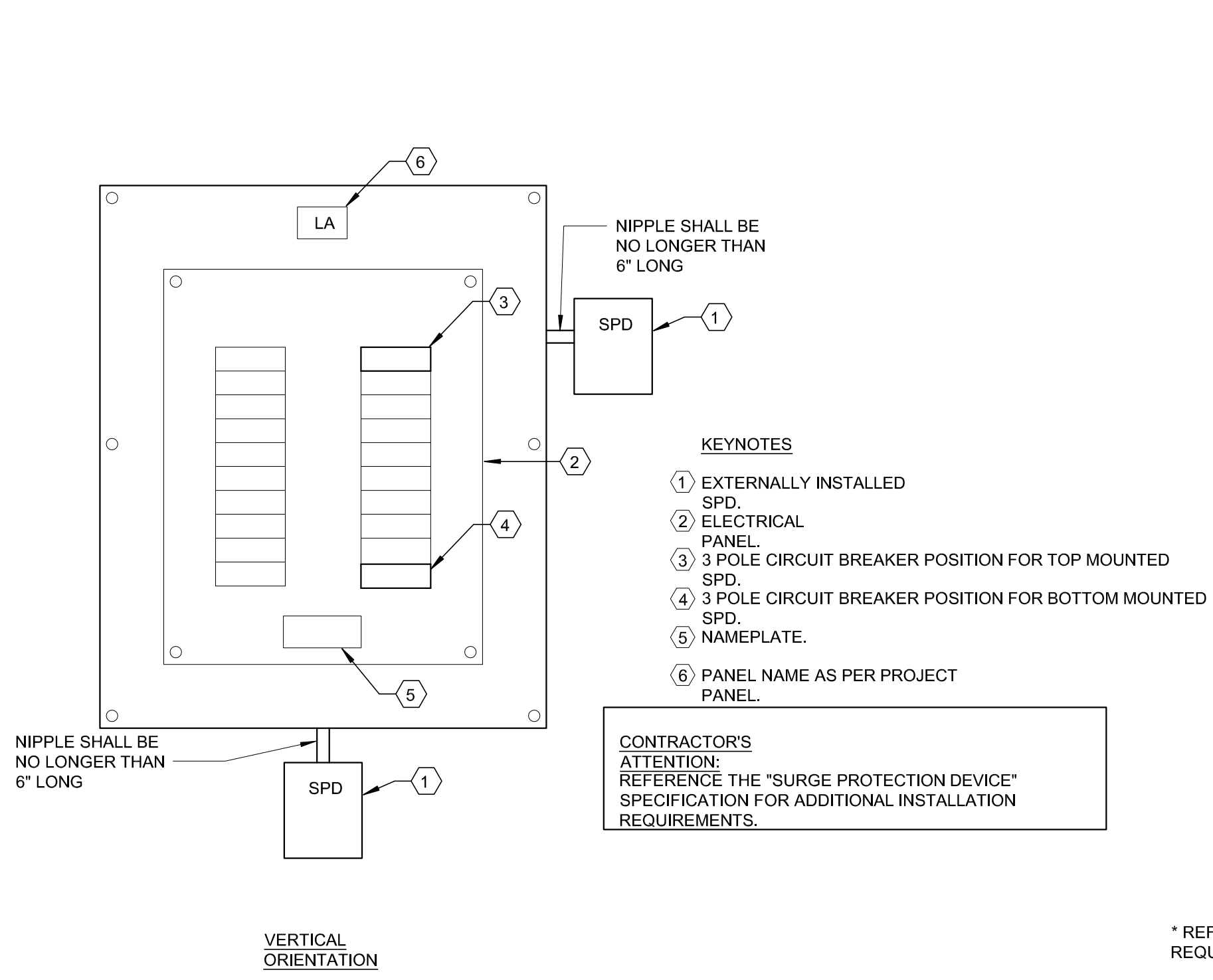
**1 | DETAIL - EQUIPMENT SIGNAGE**  
SCALE = N.T.S.

**2 | DETAIL - SUPPORT RACK STEEL GROUNDING**  
SCALE = N.T.S.



**3 | DETAIL - GROUNDING ROD**  
SCALE = N.T.S.

**4 | DETAIL - CONCRETE PAD**  
SCALE = N.T.S.



**5 | DETAIL - EXTERNAL SPD INSTALLATION**  
SCALE = N.T.S.

**6 | DETAIL - TRANSFORMER GROUNDING**  
SCALE = N.T.S.

**7 | DETAIL - RACK-MOUNTED LIGHT FIXTURE**  
SCALE = N.T.S.

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**SEAL**  
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11/02/2022

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