

- SITE KEY NOTES:**
- A APPROXIMATE LOCATION OF EXISTING POLE LIGHT REMAIN "AS-IS".
 - B PROVIDE AND INSTALL NEW POLE LIGHT IN THIS LOCATION. TIE NEW LIGHTS BACK TO NEW POLE LIGHT POWER CKT (SEE PANEL SCHEDULES). USE FEEDERS AS INDICATED TO ACCOUNT FOR VOLTAGE DROP.
 - C PROVIDE AND INSTALL A 24" x 24" JUNCTION BOX (QUASITE OR EQUAL) IN THIS APPROXIMATE LOCATION.
 - D EC IS RESPONSIBLE FOR PROVIDING POWER TO THE POND SPRAYER PUMP AND CONTROLLER. FIELD VERIFY EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDED.
 - E EC SHALL PROVIDE AND INSTALL A LEVEL 2, 7.6KW, 208V-1PH DUAL PORT ELECTRIC VEHICLE CHARGING STATION IN THIS LOCATION. COORDINATE OUTLET/CONNECTION, BREAKER AND FEEDER FOR STATION PROVIDED. BASIS OF DESIGN IS: POWER CHARGE "PRO LIGHTNING" - 32A" OR EQUAL.

FP DEMAND CALCS				
LIGHTING	0.40	KV/X	125 %	= 0.5 KVA
RECEPT TOTAL	0.20	KVA		
1ST	10.00	KV/X	100 %	= 0.2 KVA
REMAIN	0.00	KV/X	50 %	= 0.0 KVA
MOTORS	2.50	KV/X	100 %	= 2.5 KVA
A/C	0.00	KV/X	100 %	= 0.0 KVA
HEATING	3.77	KV/X	100 %	= 3.8 KVA
FUTURE		KV/X	100 %	= 0.0 KVA
KITCHEN	0.00	KV/X	65 %	= 0.0 KVA
MISCELLANEOUS	0.30	KV/X	100 %	= 0.3 KVA
TOTAL	= 20.2 amps = 7.3 KVA			

SITE LIGHT FIXTURE SCHEDULE

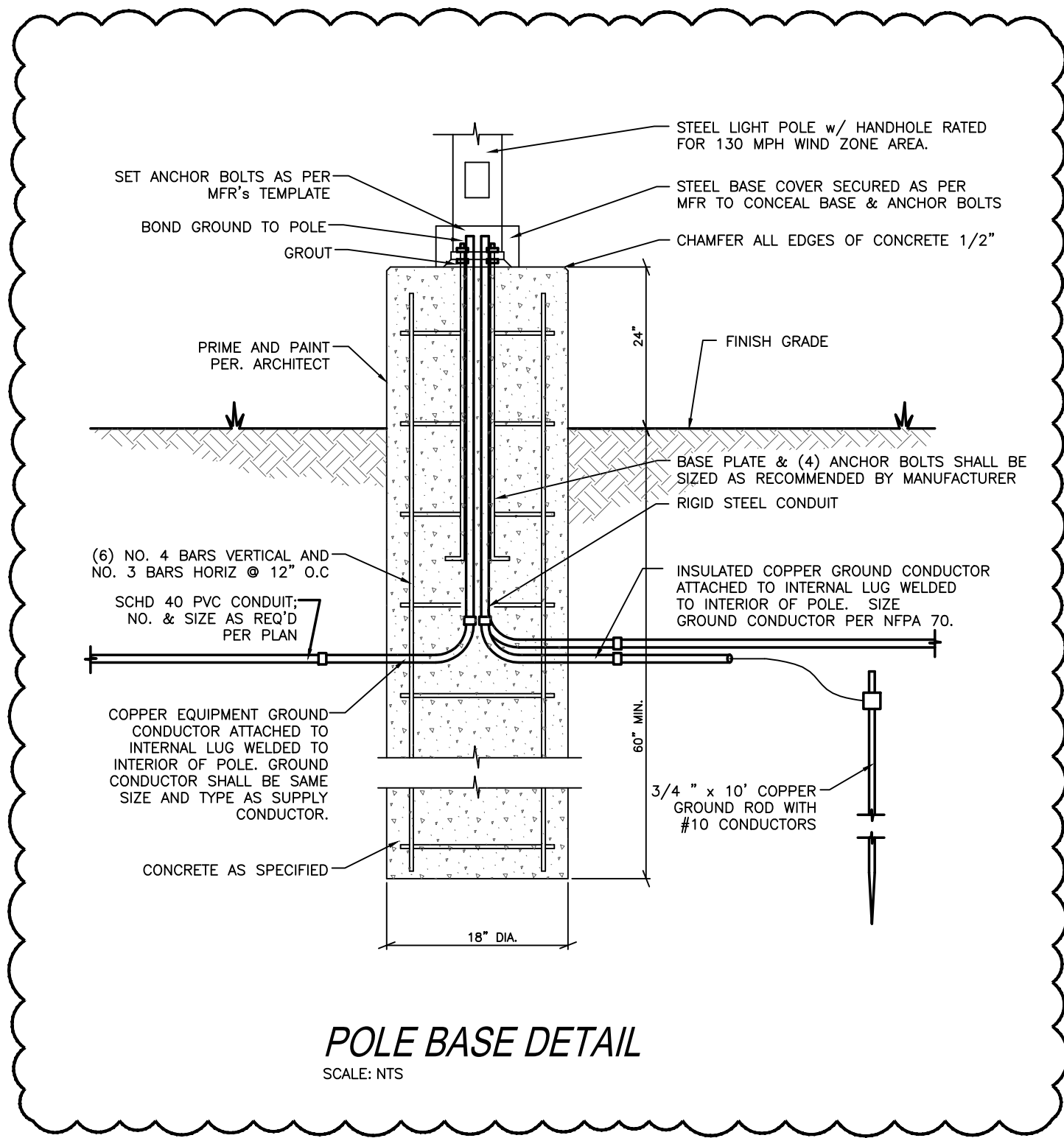
TYPE	DESCRIPTION	LAMPS	VOLTS	WATTS	B.F.	CATALOG NUMBER
S1	SINGLE HEAD SHOEBOX STYLE LED POLE LIGHT TO CLOSELY MATCH EXISTING SITE LIGHTING ON A 6" 50 ALUMINUM 25' POLE. POLE TO BE DARK BRONZE FINISH.	LED	208V/1N/0	90	-	POLE MOUNTED SITE LIGHT WITH ARM AND LED HEAD ON 25'-0" SQUARE POLE. PROVIDE FIXTURE WITH UNIT MOUNTED PHOTOCELL. FIXTURE BY GUARCO. #ED14L-48L-NW3-A83-2-208-18A (FIELD VERIFY POLE AND COLOR TO MATCH EXISTING) OR APPROVED EQUAL BY LITHONIA OR HUBBELL.
S2	DOUBLE HEAD SHOEBOX STYLE LED POLE LIGHT TO CLOSELY MATCH EXISTING SITE LIGHTING ON A 6" 50 ALUMINUM 25' POLE. POLE TO BE DARK BRONZE FINISH.	LED	208V/1N/0	180	-	SAME AS ABOVE FIXTURE BUT WITH (2) HEADS.

NOTES: 1) FIELD VERIFY EXACT LOCATIONS, SIZES AND TYPES OF EXISTING LIGHTS AND EXISTING CIRCUITS.
2) PROVIDE SUBMITTALS FOR PRE-BID APPROVAL AS SPECIFIED IN "INSTRUCTIONS TO BIDDERS", ARTICLE 3.3.2
3) WATTS = INPUT WATTS, B.F. = BALLAST FACTOR
4) ALL EXTERIOR LAMPS TO HAVE A COLOR RENDERING TEMPERATURE INDEX OF 4000K TO 5000K
5) CATALOG NUMBERS MAY NOT BE COMPLETE; CONTRACTORS RESPONSIBILITY TO VERIFY CATALOG NUMBER

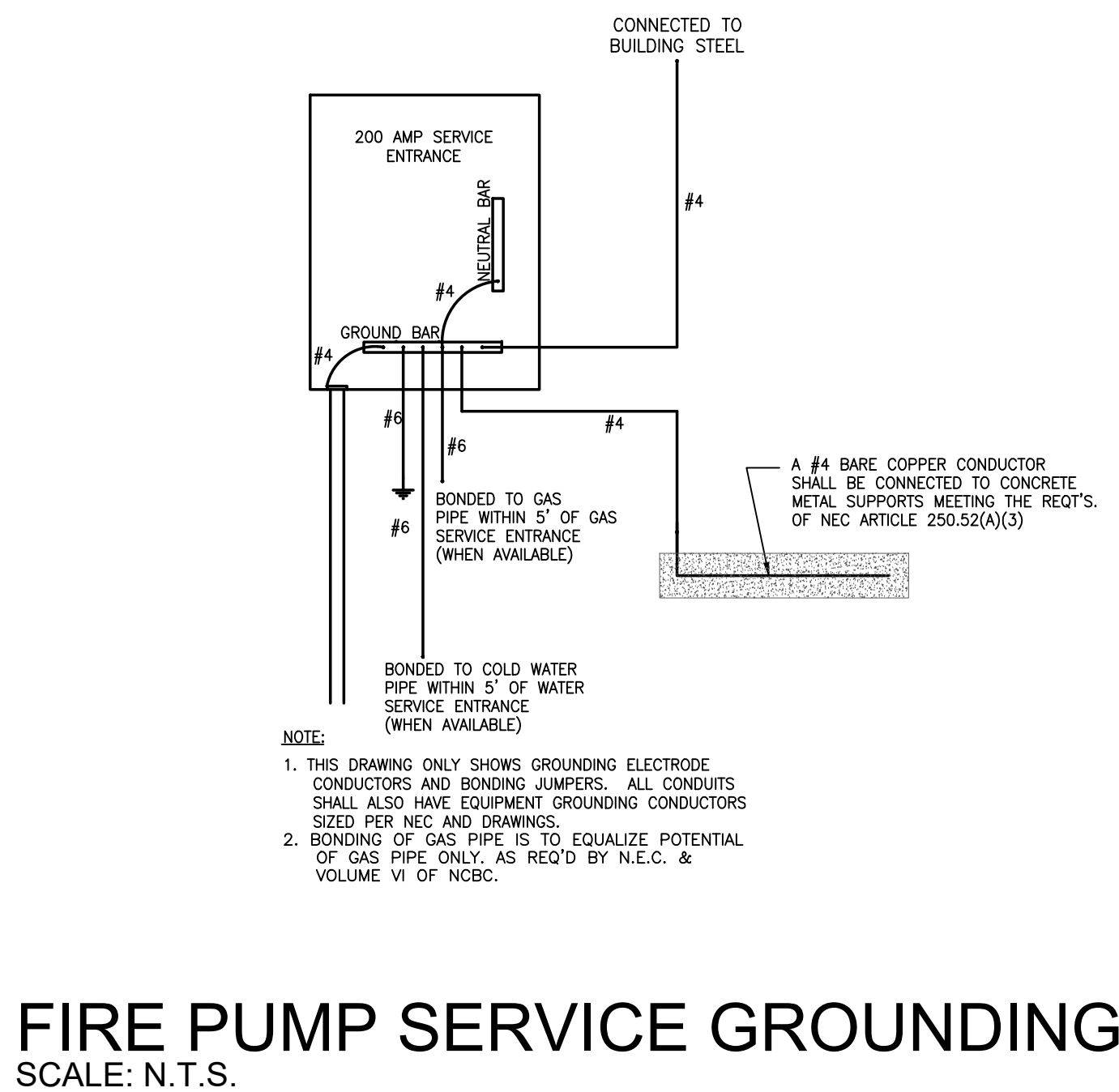
NEW PANELBOARD SCHEDULE - "FP" (NEMA-3R RATED)

MAIN: 100A MCB		VOLTAGE: 208/120		PHASE: 3		WIRE: 4		MOUNTING: SURFACE		AIC: 22,000		BUS BARS: COPPER	
CKT#	BKR	POLE	WIRE	COND	LOAD (KVA)	PHASE	WIRE	COND	LOAD (KVA)	PHASE	WIRE	COND	LOAD (KVA)
1	20	1	12	3/4"	LIGHTING CIRCUIT	0.4							
3	20	1	12	3/4"	GENERAL RECEPTACLE	0.2							
5		1			SPACE								
7		1											
9	25	2	10	3/4"	UH-2								
11													
LIGHTING (KVA):										CONNECTED LOAD (KVA):			
RECEPTACLES (KVA):										DEMAND LOAD (KVA):			
MOTORS (KVA):													
A/C (KVA):													
HEATING (KVA):													
KITCHEN (KVA):													
MISCELLANEOUS (KVA):													
TOTAL:										7.3			

NOTES: PANEL IS LOCATED AT FIRE PUMP HOUSE EXTERIOR.

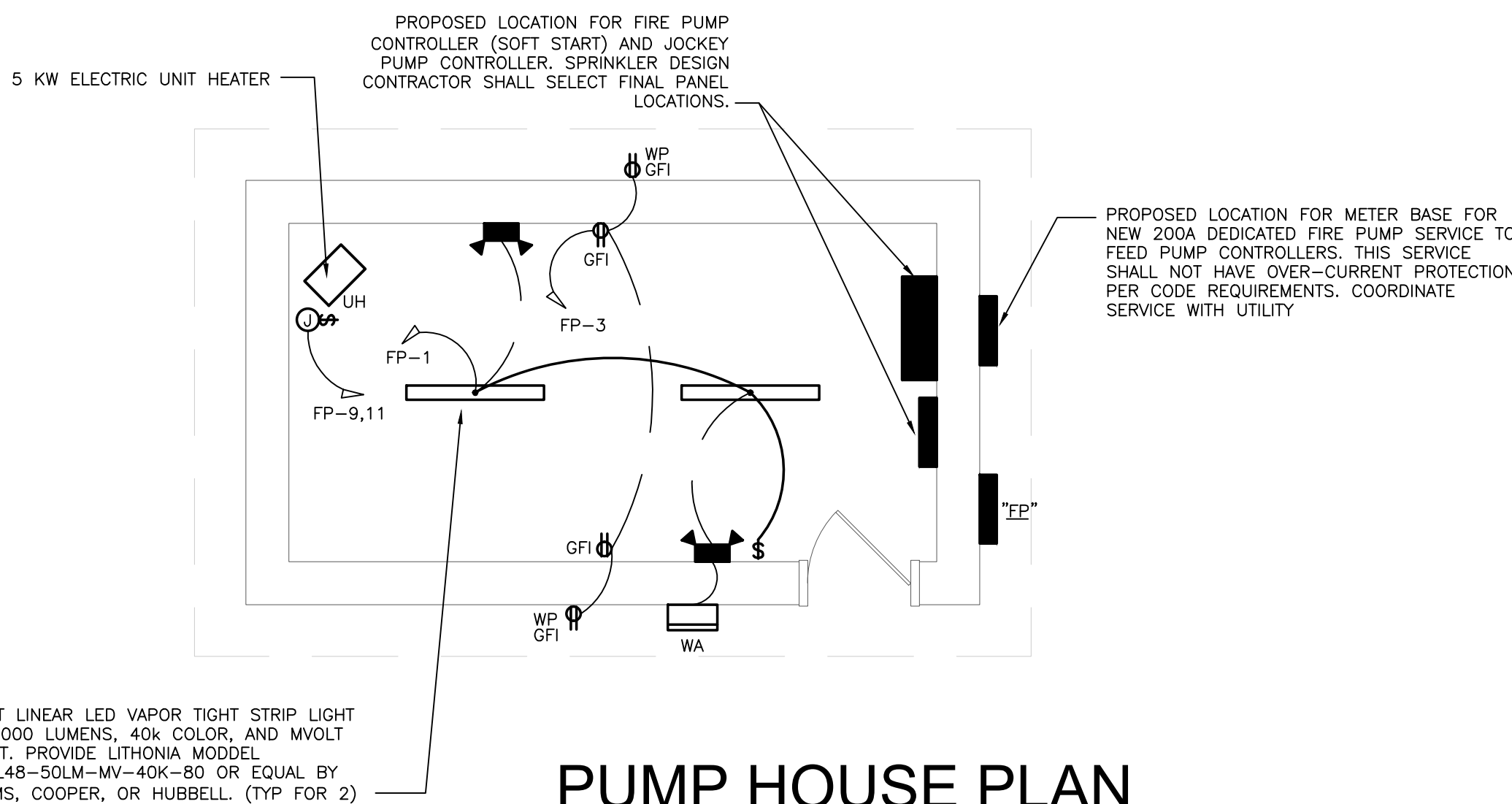


PME SITE PLAN SCALE: 1" = 50'-0"



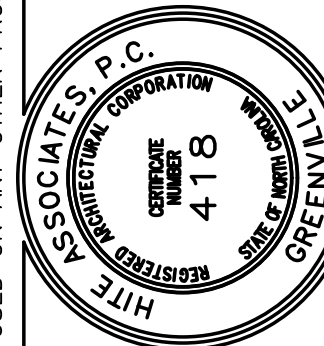
PUMP HOUSE RISER DIAGRAM SCALE: N.T.S.

- ELECTRICAL RISER NOTES:**
- 1 SERVICE ENTRANCE GROUND PER DETAIL AND NEC ARTICLE 250 GROUNDING REQUIREMENTS.
 - 2 3-#3/0 IN 2.5°C
 - 3 3-#3 IN 1.5°C
 - 4 COORDINATE UNDERGROUND SERVICE WITH UTILITY CO. PROVIDE ALL CONDUIT, WIRING, LABOR, AND/OR OTHER WORK AS REQUIRED BY UTILITY CO.
 - 5 #6 G. DRIVEN GROUND FOR GENERATOR.
 - 6 GENERATOR SHALL BE PROVIDED WITH ALL SAFETY OVER-RIDES REQUIRED BY NFPA 20-9.6.2.2 FOR FIRE PUMP SERVICE BACK-UP.
 - 7 FIRE PUMP EQUIPMENT PROVIDED AND INSTALLED BY FS CONTRACTOR, ELECTRICAL CONNECTIONS BY EC.



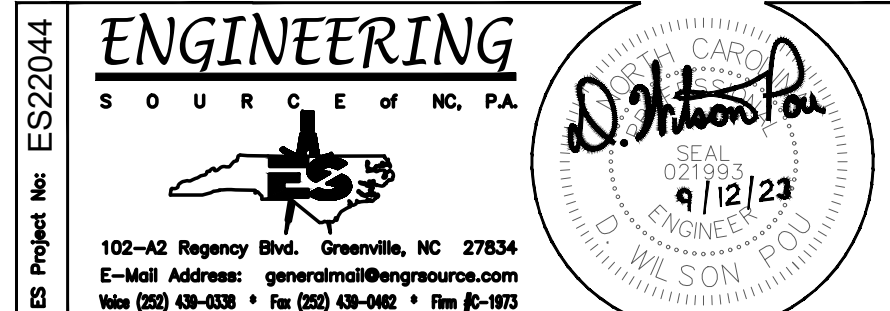
NO.	DATE	REVISION
1	9/12/23	PRE-BID MTC & ADDENDUM #1

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COMMUNITY CENTER AND GYMNASIUM FOR
Alice F. Keene District Park
4561 County Home Road, Greenville, NC 27858

Project No.	22207
Date	July 2023
Drawing no.	PME 001



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