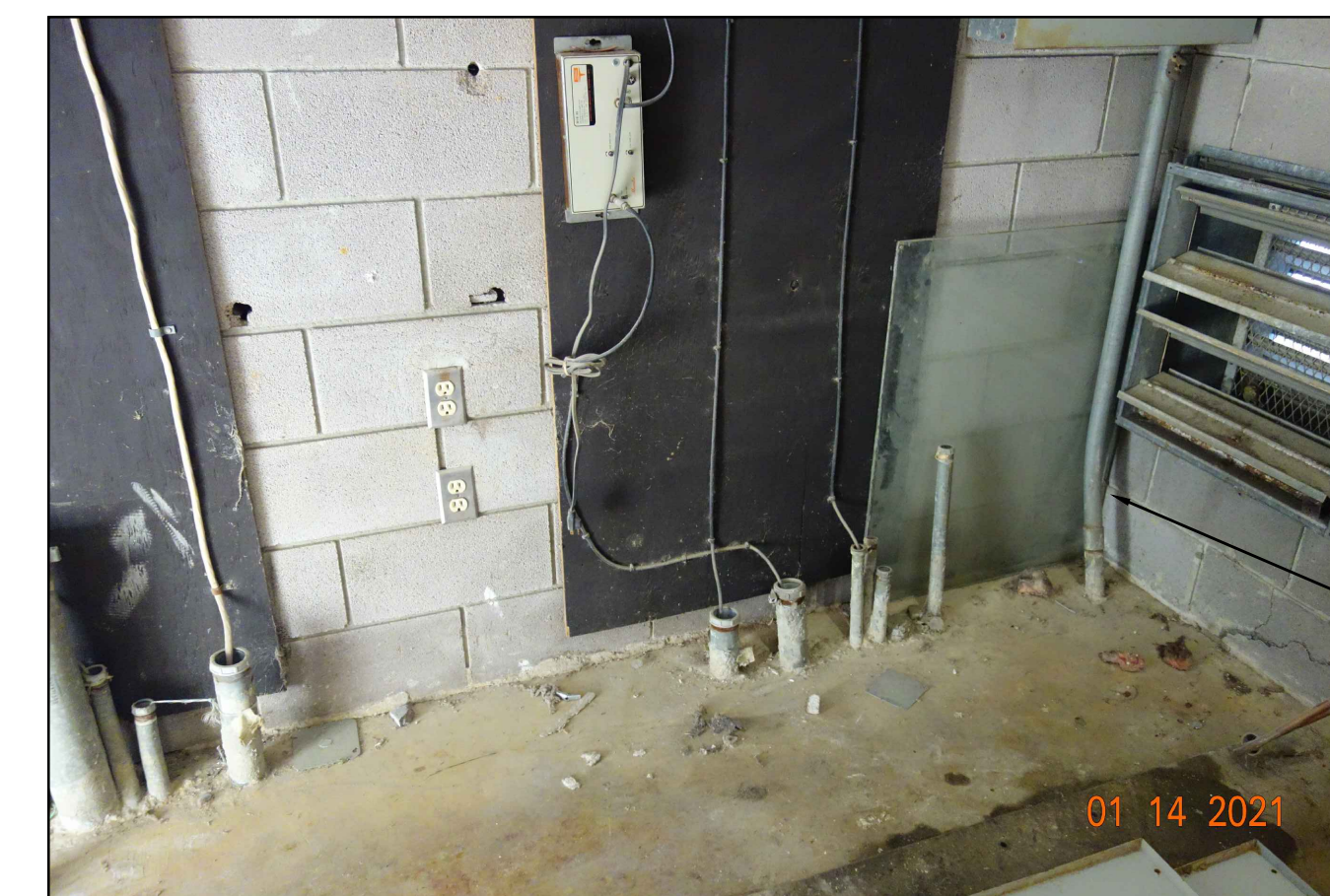
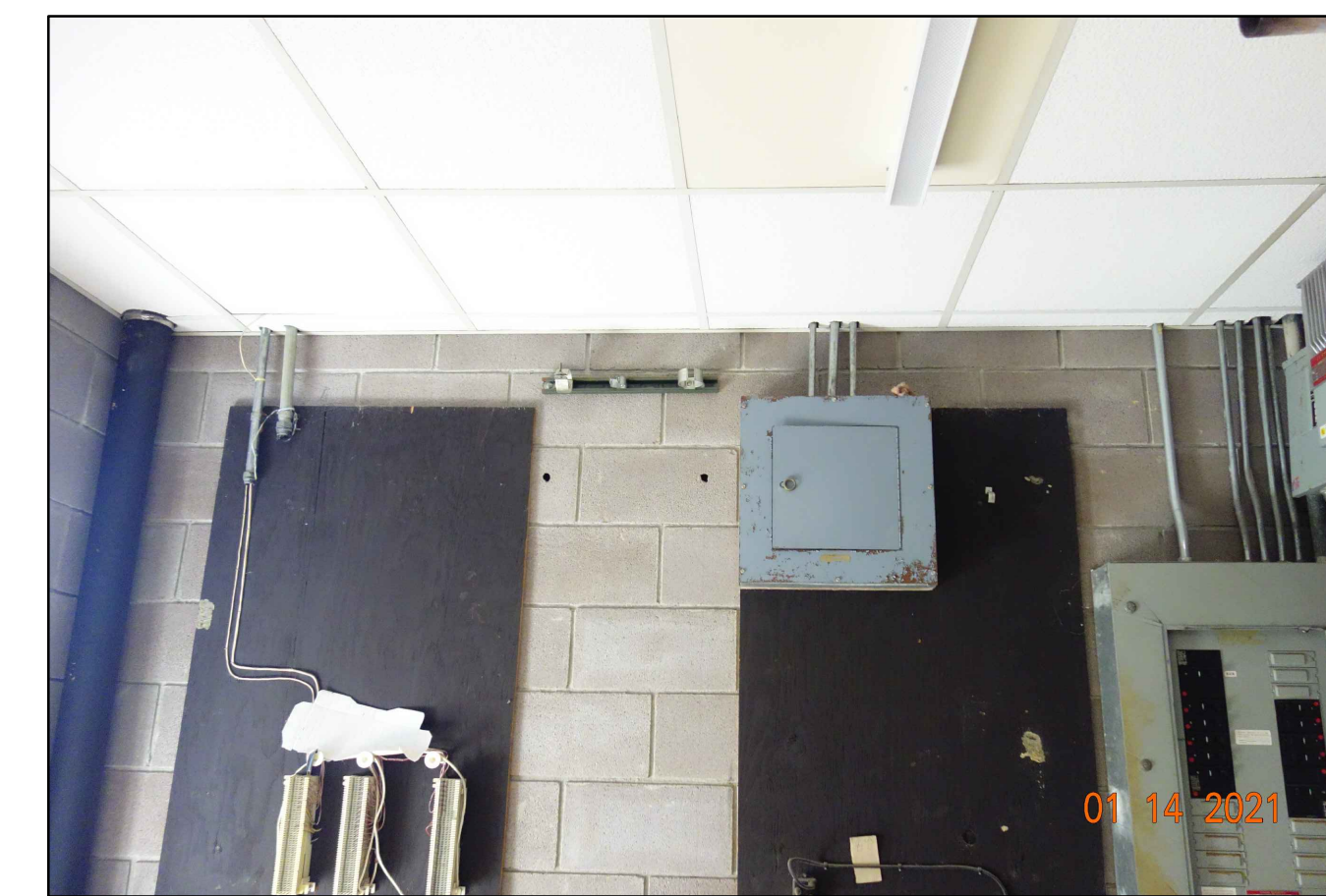


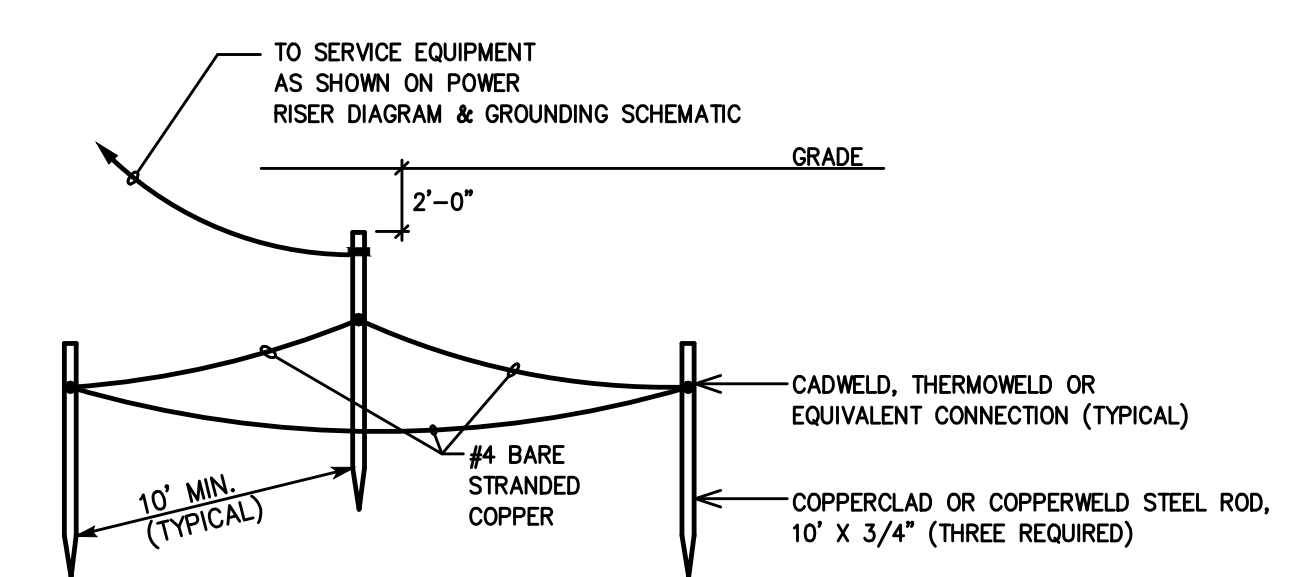
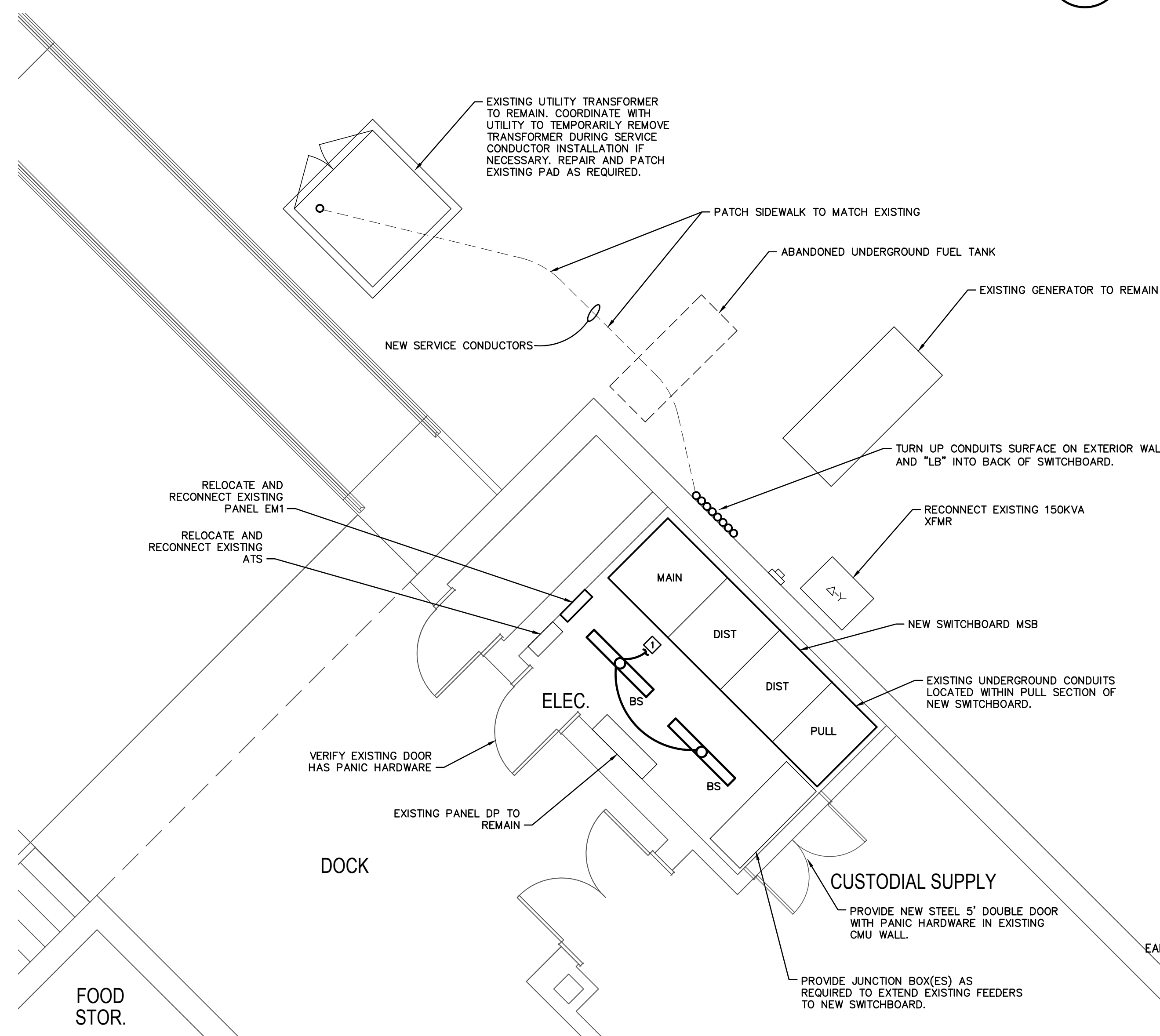
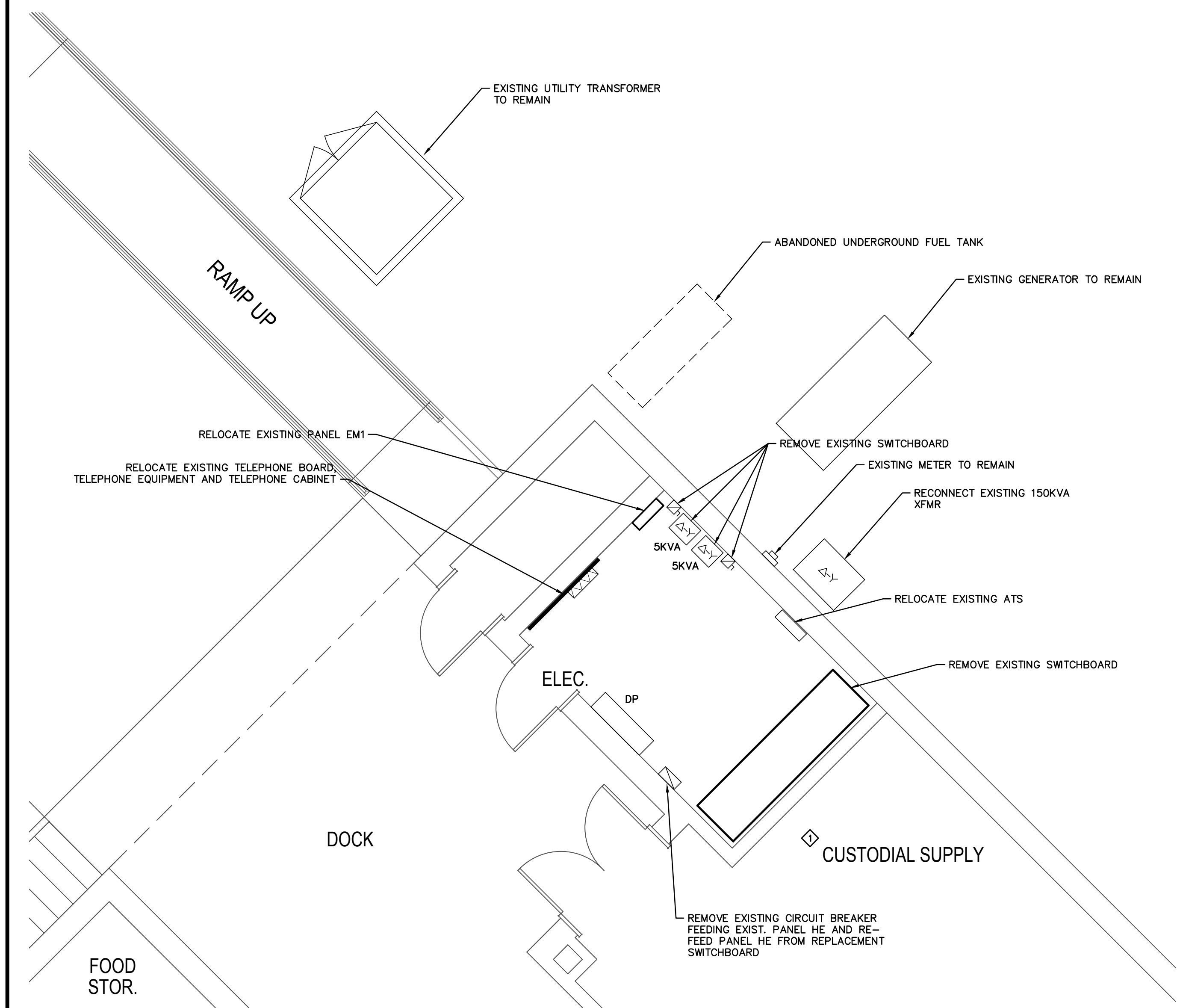
LIGHTING FIXTURE SCHEDULE														
TYPE	DESCRIPTION	VOLT.	QTY	LAMPS					BALLASTS		WATTS	MOUNTING	MANUF. CATALOG NO.	
				TYPE	BULB	BASE	TEMP	CR	LUMENS	QTY				TYPE
BS	LED STRIP LIGHT, LOW PROFILE STRIP CHANNEL, FROSTED LENS, 4 FOOT NOMINAL LENGTH, COLD ROLLED STEEL HOUSING, HIGH GLOSS BAKED WHITE ENAMEL FINISH.	277	-	LED	-	-	3500 K	-	3000	1	FIXED OUTPUT DRIVER	36	CEILING, SURFACE	LITHONIA #ZLN SERIES OR APPROVED EQUAL



BEND CONDUIT TO ALLOW JUNCTION BOX FOR EXISTING FEEDER TO BE INSTALLED FACE OF NEW SWITCHBOARD.

3 PHOTOS - AREA ABOVE EXISTING SWITCHBOARD
E1 SCALE: NO SCALE

4 PHOTOS - RELOCATE PANEL EM1
E1 SCALE: NO SCALE



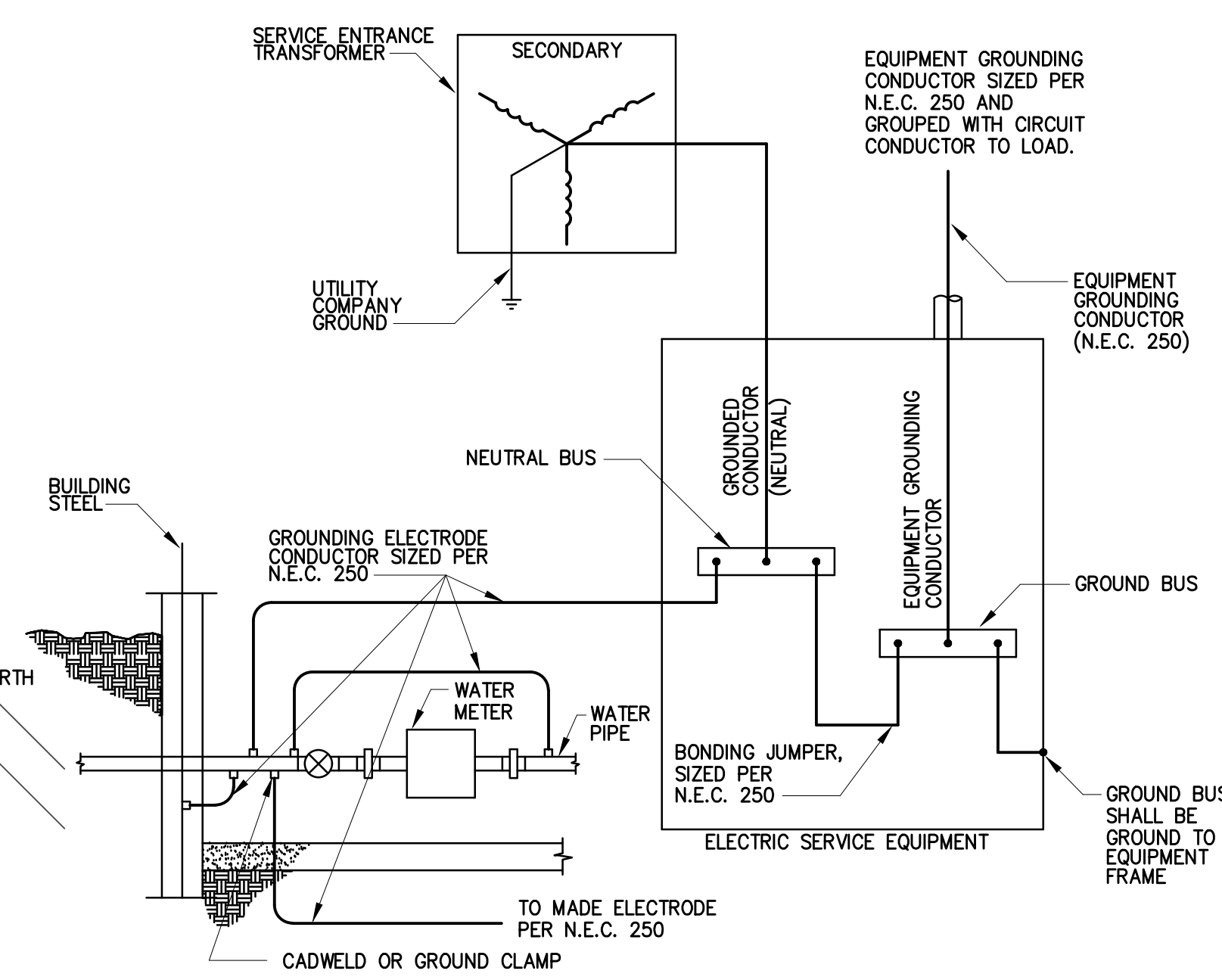
5 TYPICAL MADE GROUNDING ELECTRODE
E1 NOT TO SCALE

1 ENLARGED MAIN ELECTRICAL ROOM - DEMOLITION
E1 SCALE: 1/4" = 1'-0"

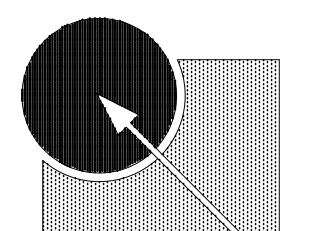
2 ENLARGED MAIN ELECTRICAL ROOM - NEW WORK
E1 SCALE: 1/4" = 1'-0"

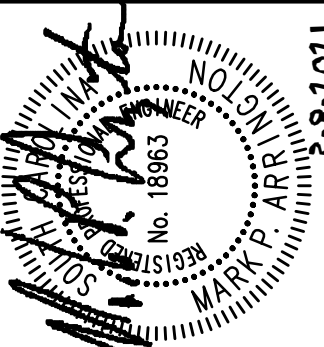
NOTES:
 1. CONTRACTOR SHALL CUT IN AN OPENING INTO THE EXISTING CMU WALL AND PROVIDE A LINTEL TO SUPPORT A NEW 7' TALL X 5'-0" WIDE HOLLOW METAL DOOR FRAME AND HOLLOW METAL DOUBLE DOOR. THE DOUBLE DOOR SHALL BE UNEVEN DOOR PANELS, WITH THE ACTIVE LEAF BEING 36" WIDE AND AN INACTIVE LEAF OF 24" WIDE. DOOR HARDWARE SHALL CONSIST OF ALL REQUIRED HINGES, FLUSH BOLTS, LEVERS AND LOCKSETS AS REQUIRED. DOOR REQUIRES PANIC HARDWARE AND SHALL BE LOCKABLE. DOOR AND HARDWARE OPERATING MECHANISMS & FORCES SHALL BE COMPLIANT WITH ALL LOCAL AREA BUILDING CODES.

NOTES:
 1. REMOVE EXISTING SUSPENDED CEILING AND LIGHT FIXTURES IN THIS AREA. PROVIDE NEW SUSPENDED BARE STRIP LED FIXTURES AND CONNECT TO EXISTING LIGHTING CIRCUIT IN THIS AREA.



6 GROUNDING CONNECTION DIAGRAM
E1 NOT TO SCALE

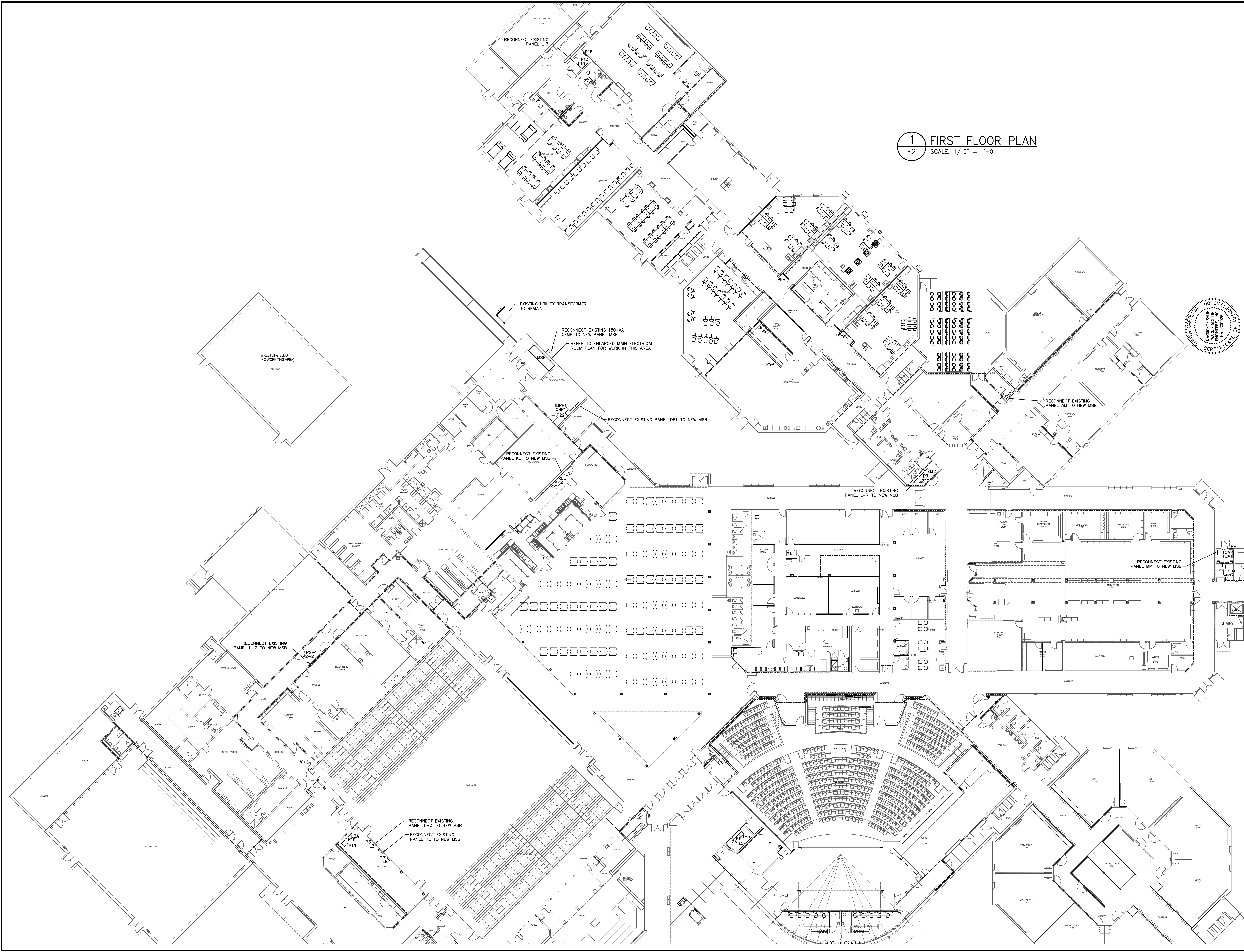

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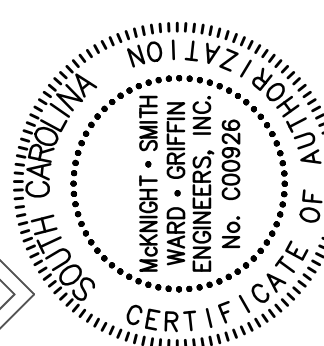
JOB NUMBER: 20-115
 DRAWN BY: MKK
 CHECKED BY: MPA
 DATE: 3-8-2021

ENLARGED MAIN ELECTRICAL ROOM AND PHOTOS
NORTH MYRTLE BEACH HIGH SCHOOL SWITCHBOARD REPLACEMENT
 Horry County Schools
 Little River, South Carolina

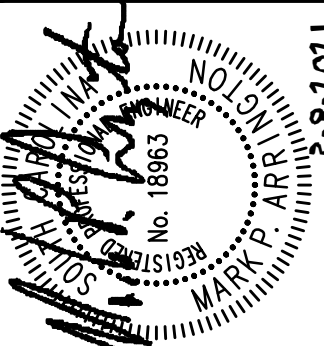
SHEET
E1
 of 7



1 FIRST FLOOR PLAN
E2 SCALE: 1/16" = 1'-0"



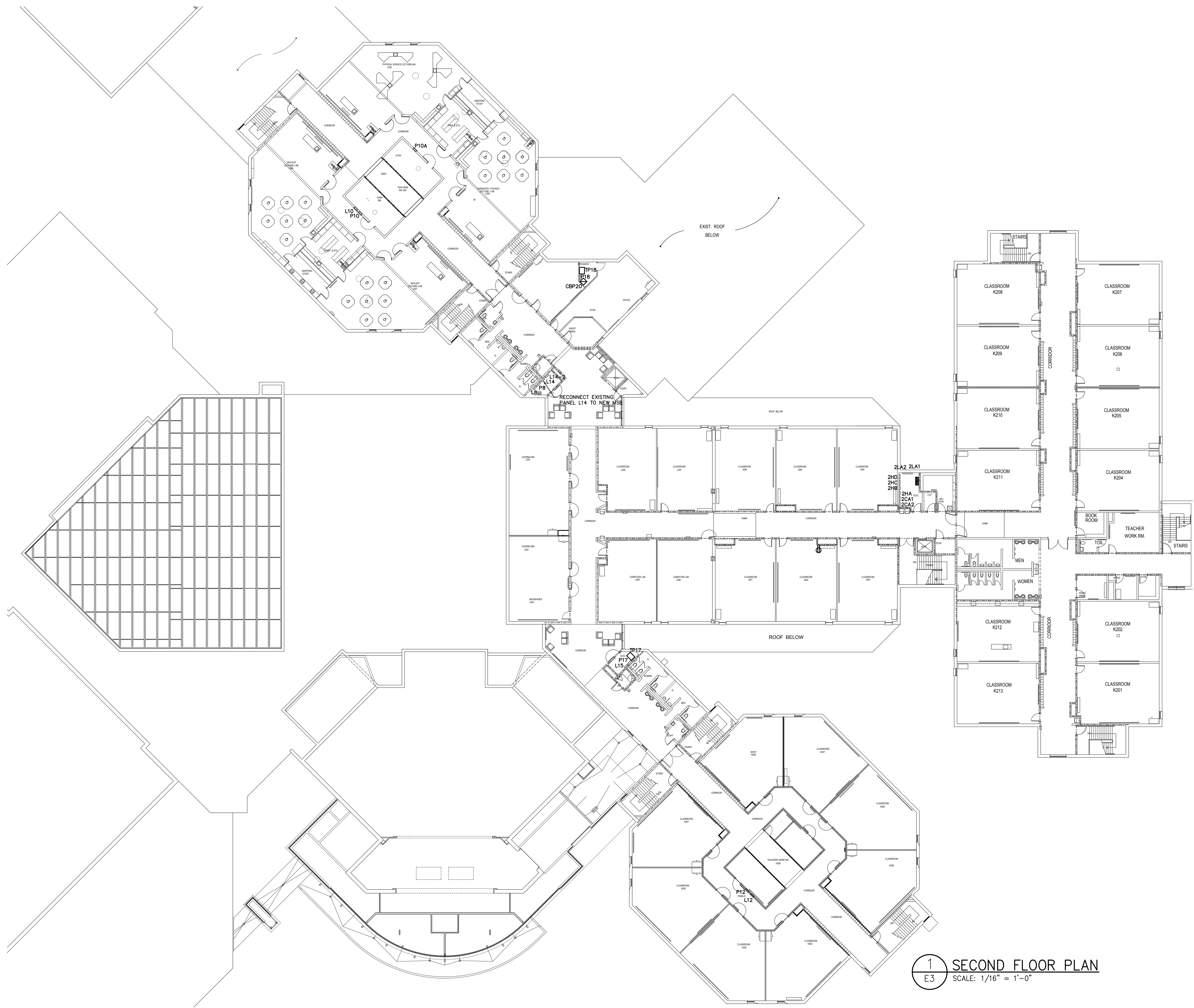
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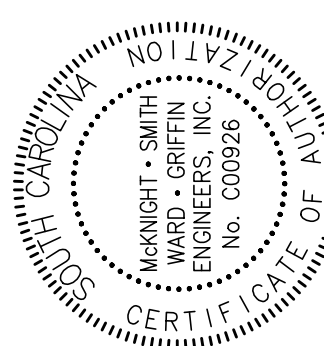
JOB NUMBER	REVISION DATES
20-115	20-115
DRN BY: MK	CHK BY: MPA
CHECKED BY: MPA	DATE: 3-8-2021

FIRST FLOOR PLAN
PANELBOARD LOCATIONS

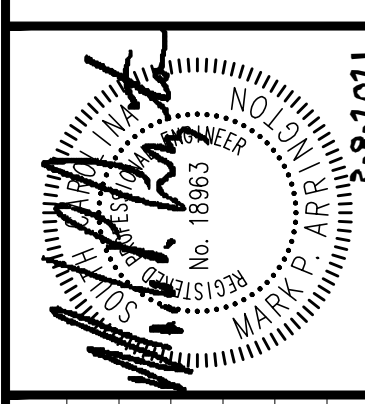
NORTH MYRTLE BEACH
HIGH SCHOOL
SWITCHBOARD REPLACEMENT
 Horry County Schools
 Little River, South Carolina



1 SECOND FLOOR PLAN
 E3 SCALE: 1/16" = 1'-0"



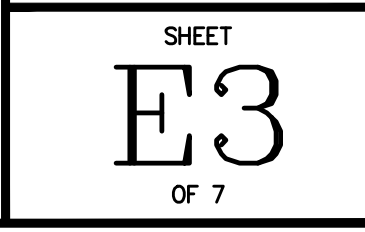
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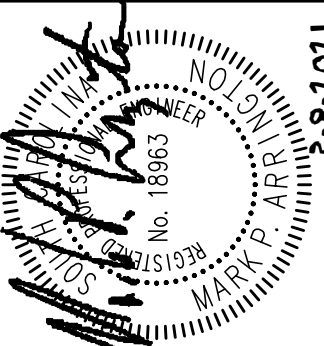


JOB NUMBER	20-115	REVISION DATES
DESIGNED BY	WKA	
CHECKED BY	MFA	
DATE	3-8-2021	

SECOND FLOOR PLAN
 PANELBOARD LOCATIONS

NORTH MYRTLE BEACH
 HIGH SCHOOL
 SWITCHBOARD REPLACEMENT
 Horry County Schools
 Little River, South Carolina

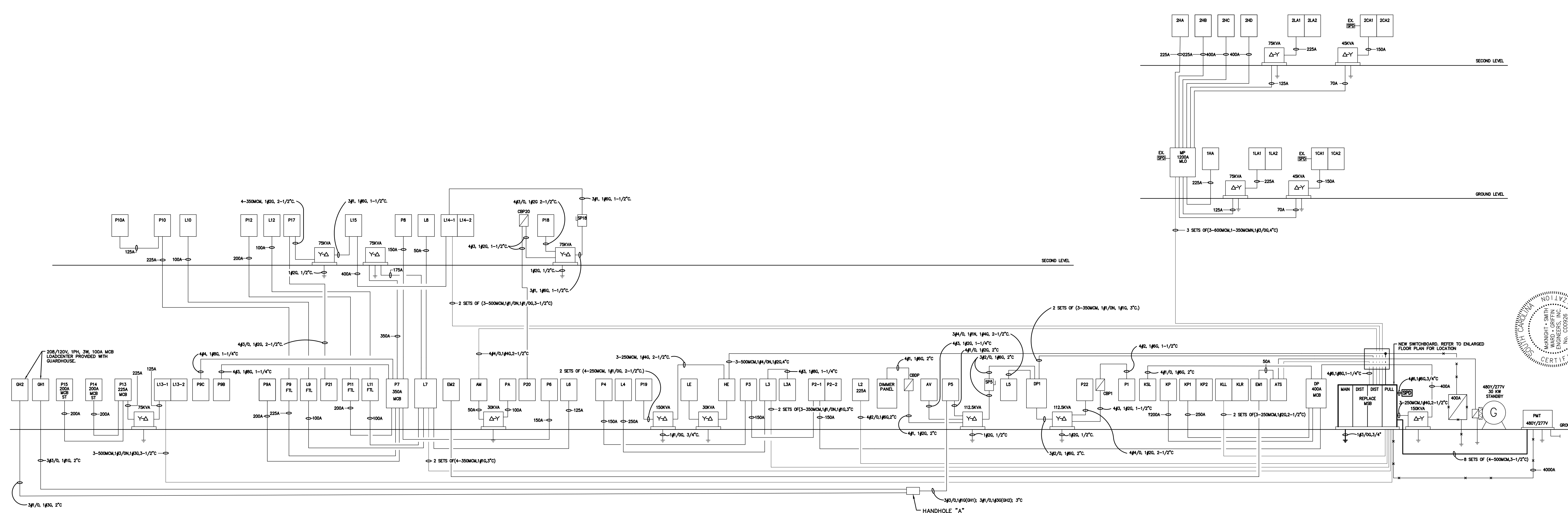




JOB NUMBER	20-115
REVISION DATES	
CREATED BY	MPA
CHECKED BY	3-8-2021
DATE	

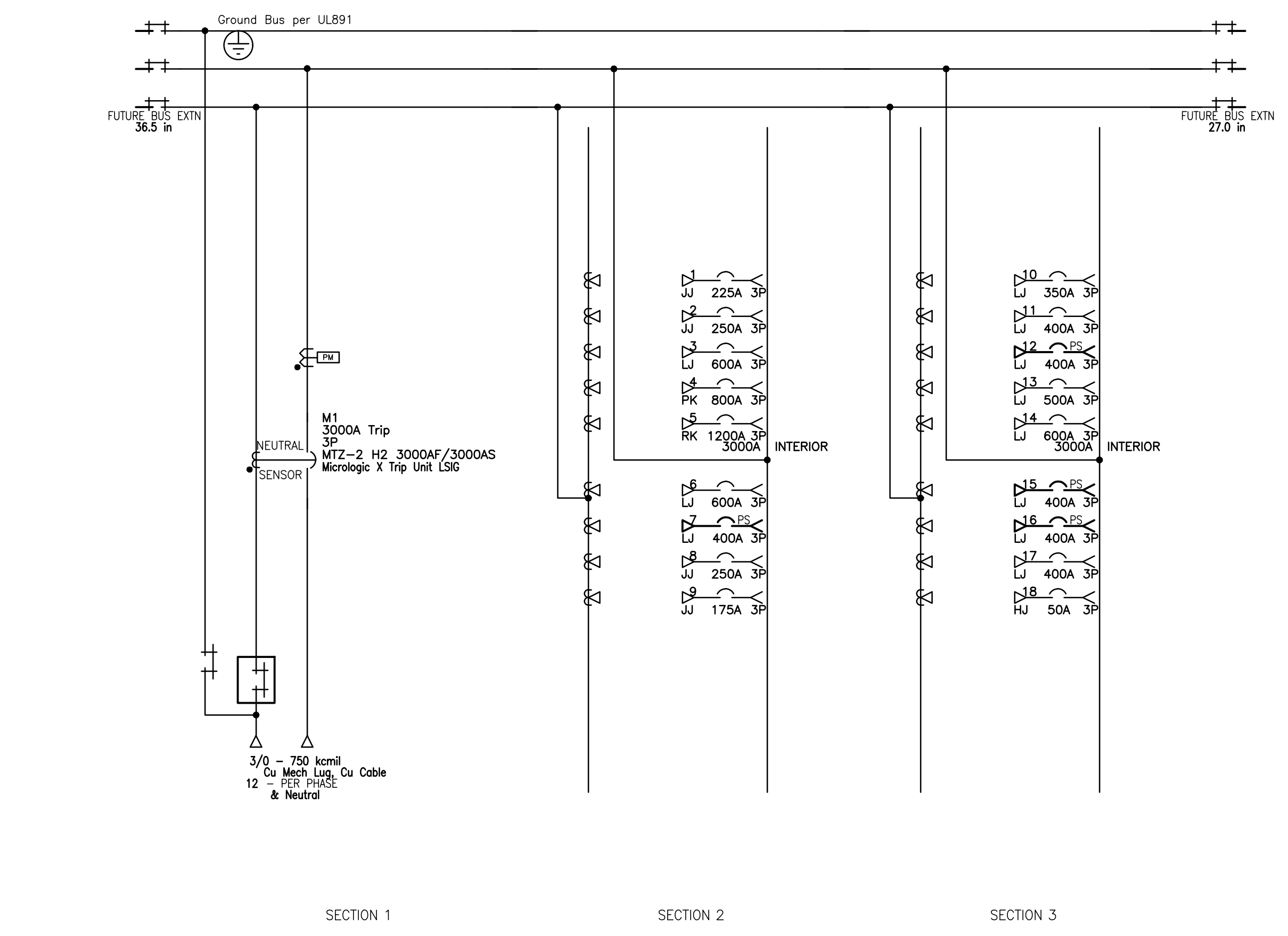
**POWER RISER DIAGRAM
AND SWITCHBOARD SCHEDULE**

**NORTH MYRTLE BEACH
HIGH SCHOOL
SWITCHBOARD REPLACEMENT
AND SWITCHBOARD SCHEDULE**
Little River, South Carolina

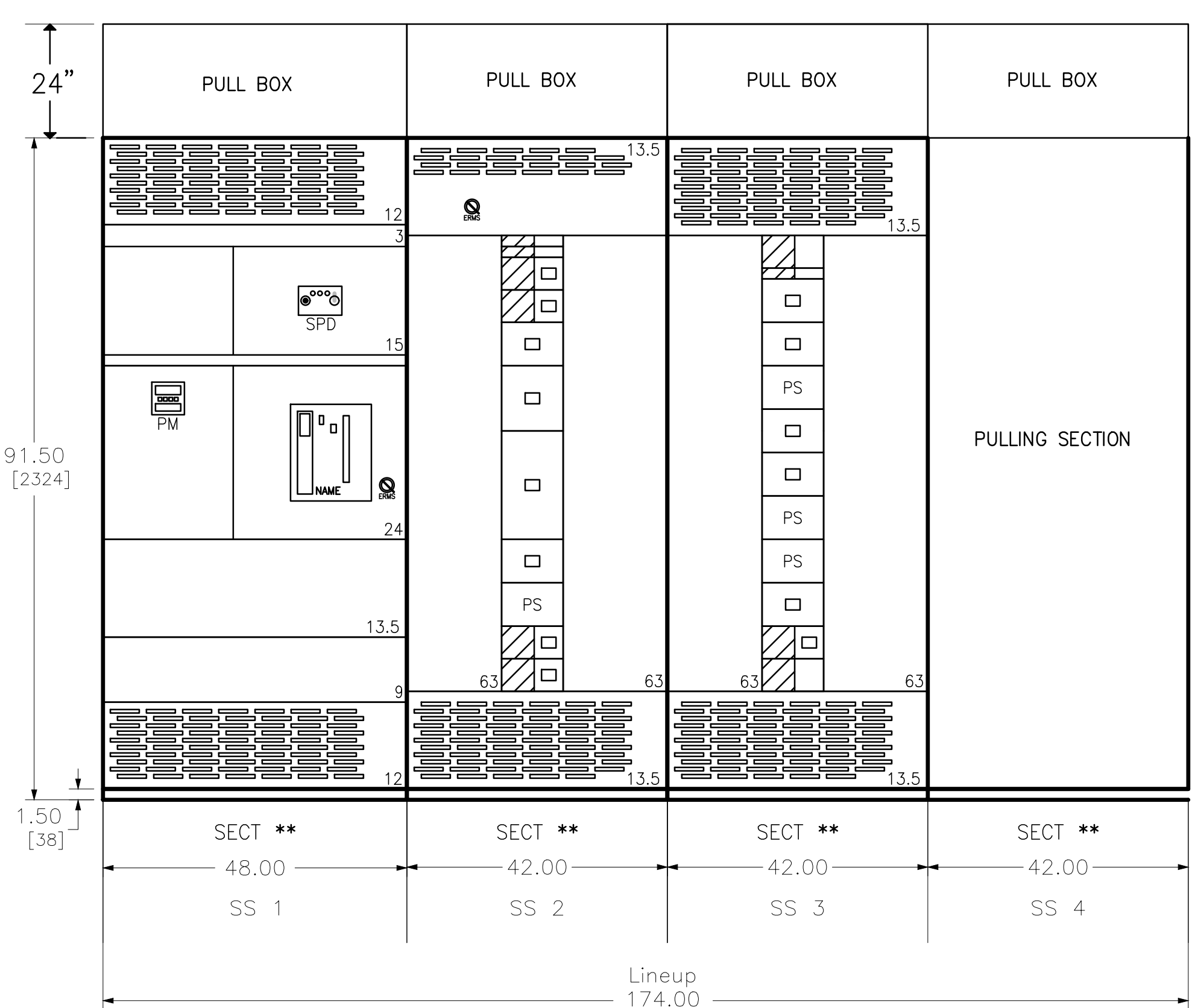


1 POWER RISER DIAGRAM
E4 SCALE: NOT TO SCALE

UNDER BASE BID, EXTEND EXISTING FEEDERS TO NEW SWITCHBOARD LOCATION UTILIZING JUNCTION/PULL BOXES AND BUTT SPICE BARREL CONNECTORS.
UNDER ALTERNATE #1, PROVIDE NEW CONDUCTORS FOR THE FULL LENGTH OF THE FEEDER UTILIZING EXISTING CONDUIT.



3 SWITCHBOARD MSB ONE-LINE
E4 SCALE: NOT TO SCALE



2 SWITCHBOARD MSB ELEVATION
E4 SCALE: NOT TO SCALE

LOAD DESCRIPTION	WIRE	BKR	CONNECTED LOAD (KVA)	BKR	WIRE	LOAD DESCRIPTION
EXIST. WATER HEATER	EX 250/3 1A	0.0	2A	600/3	EX	EX. PANEL L-3
EXIST. PANEL DP1	EX 600/3 7A	0.0	6C	/	EX	EX. PANEL L-7
EXIST. PANEL L-13	EX 400/3 13A	0.0	14A	225/3	EX	EX. PANEL AM
EXIST. 150KVA XFMR	EX 250/3 31A	0.0	32A	400/3	EX	EX. PANEL HE
EXIST. PANEL L-1	EX 350/3 37A	0.0	38A	/3		400A SPACE ONLY
EXIST. PANEL L-2	EX 175/3 43A	0.0	44A	/3		400A SPACE ONLY
400A SPACE ONLY	/3 49A	0.0	50A	60/3	6	SPD
(PROVISIONS)	/3 51B	0.0	52B	/	6	
(PROVISIONS)	/3 53C	0.0	54C	/	6	
		0.0	0.0	0.0	0.0	

NOTES:
1. PROVIDE WITH SERVICE ENTRANCE LABEL
2. MAIN BREAKER SHALL BE 100% RATED, FIXED INSULATED CASE AIR CIRCUIT BREAKER TYPE WITH MANUAL STORED ENERGY OPERATOR, 4000 AMPERE FRAME RATING, SYSTEM DIAGNOSTICS AND MONITORING (NOTE 4), AND ELECTRONIC TRIPPING SYSTEM. TRIPPING SYSTEM SHALL BE THE TRUE RMS SENSING TYPE WITH THE FOLLOWING TRIP FUNCTIONS: LSG
3. TRIP FUNCTIONS:
L - LONG DELAY PICKUP AND LONG DELAY TIME, IZT
S - SHORT DELAY PICKUP AND SHORT DELAY TIME, IZT
I - INSTANTANEOUS PICKUP
G - GND FAULT PICKUP AND GND FAULT DELAY, IZT
4. PROVIDE INDIVIDUALLY MOUNTED MAIN BREAKER WITH SYSTEM DIAGNOSTICS (STATUS LED, CAUSE OF TRIP LED, MAGNITUDE OF TRIP) AND SYSTEM MONITORING (CURRENT, POWER AND ENERGY, KW, DEMAND, KWHP, PF, POWER QUALITY, XTHD).
5. PROVIDE GROUP MOUNTED FEEDER BREAKERS WITH SYSTEM DIAGNOSTICS (STATUS LED, CAUSE OF TRIP LED, MAGNITUDE OF TRIP) AND SYSTEM MONITORING (CURRENT, POWER AND ENERGY) AS A FUNCTION OF CIRCUIT BREAKER TRIP UNIT.

