

May 14, 2019



**ADDENDUM NO. FIVE (5)
VILLAGE CREEK STATE PARK
HARDIN COUNTY, TEXAS
PROJECT NO. 128695
FACILITY DAMAGE REPAIRS**

NOTICE TO ALL BIDDERS:

This addendum shall be considered part of the Bid Solicitation and Contract Documents and is issued to change, amplify, or delete from or otherwise explain the documents where provisions of this addendum differ from those of the original contract documents. This addendum shall have precedence over the original contract documents and shall govern.

Bidders are hereby notified that they shall incorporate this addendum in their bids, and it shall be construed that the Contractor's bid shall reflect with full knowledge, all items, changes and modifications to the contract documents herein specified.

Bidders are advised to check for updates, addenda issuance, and bid opening date changes at the TPWD Infrastructure Division Website:

http://www.tpwd.state.tx.us/business/bidops/current_bid_opportunities/construction/

**BID DUE DATE EXTENDED:
THURSDAY MAY 23, 2019
2:00 PM at Austin HQ**

Notes Added to Drawings:

Incorporate the revised drawing sheets which are included in Addendum Five (5).

- 1. Sheet E3.1
- 2. Sheet S2.0

Clarifications to Questions:

ELECTRICAL

- 1. The only possible way to run EMT conduit in an existing Wood structure would be to notch the wall studs where conduit is needed to run through them this would likely cause structural vulnerabilities to the building, could we not utilize MC cabling ran above the minimum clearance and where exposed on ceiling above use EMT conduit?

ANSWER: In order to minimize the need to notch existing wall studs, the Contractor may utilize Metal Clad Cable above 48" A.F.F. if the structure is covered. EMT shall be used in the area below 48" A.F.F. and in exposed walls or ceilings. Notching of the existing wooden studs is allowed provided the locations are coordinated with engineer and do not exceed the notch provisions provided in the International Building Code.

BIDDERS SHALL ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE CONTRACTOR'S BID FORM. WARNING: BIDDER'S FAILURE TO ACKNOWLEDGE RECEIPT OF ADDENDA MAY RESULT IN REJECTION OF BID.

END OF ADDENDUM NUMBER FIVE (5)

Sincerely,

Serena Holster, CTCD, CTCM
Contract Manager
Infrastructure Division

CC: Thea Luong, Project Manager
Megan Weinzierl, Design Manager
Gary Holmes, Construction Manager

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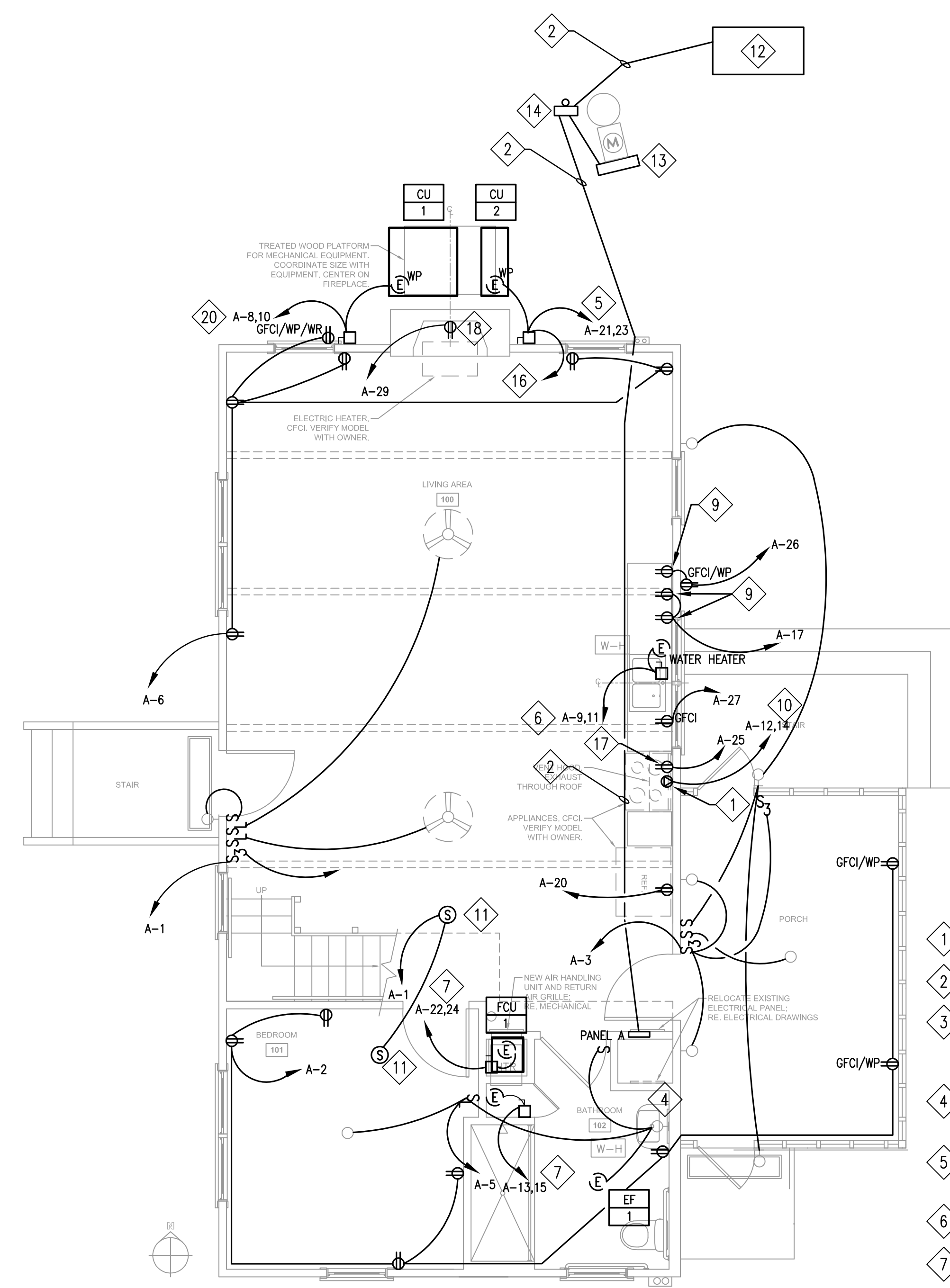
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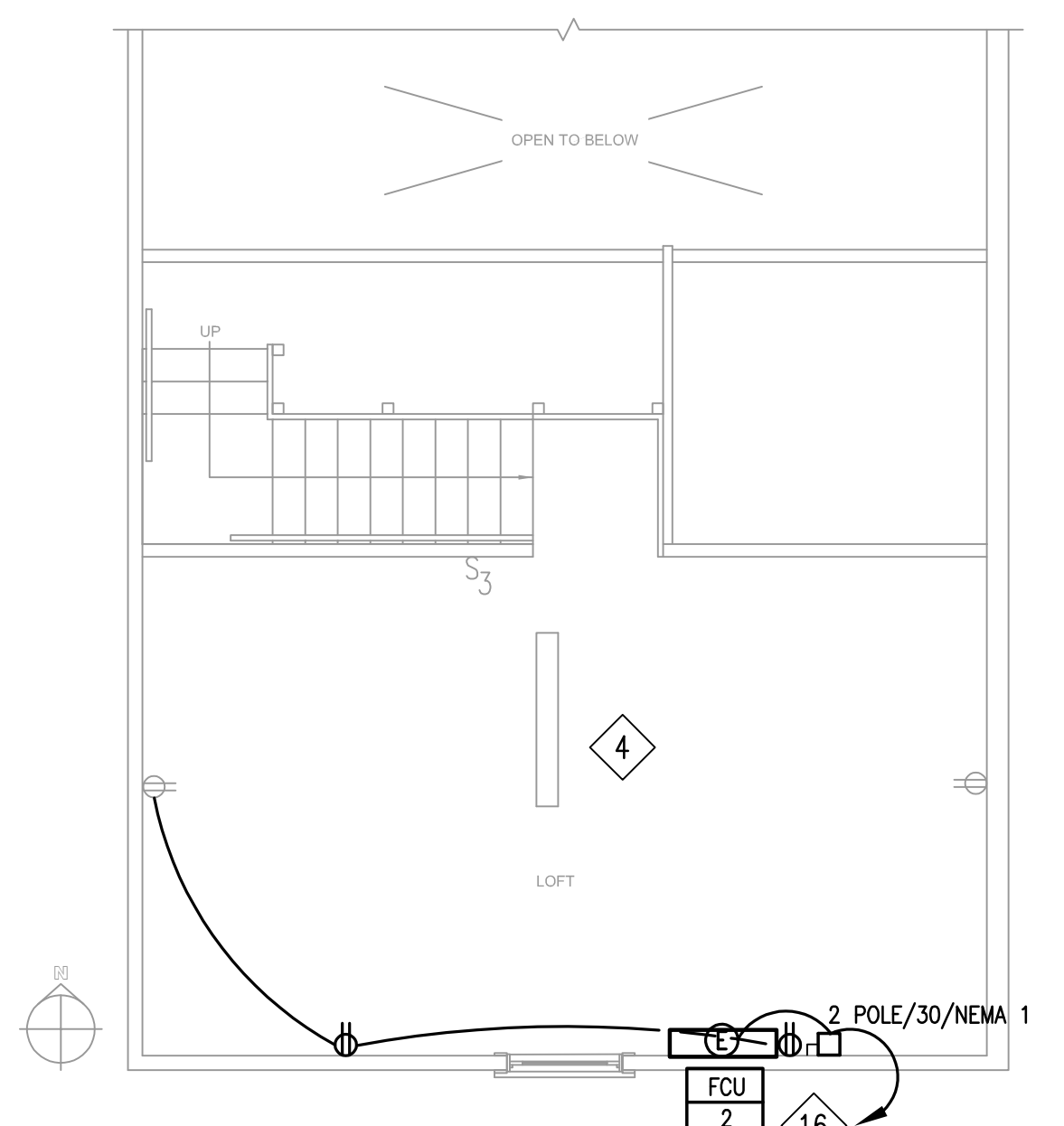
PANELBOARD A SCHEDULE		VA Load/Phase		C.B.	Circuit Use	Ckt. No.
Ckt. No.	Circuit Use	A	B			
Panel: 1 ϕ , 3W, 240/120V CABIN NEMA: 1 FLUSH <input checked="" type="checkbox"/> 150 A. M.C.B.						
Location: ISCR: 10K						
1	MAIN ROOM, LOFT LIGHTING	20/1	900 900	20/1	BATH, BEDROOM, PORCH RECEPTACLES	2
3	PORCH LIGHTS	20/1	800 360	20/1	SINK AREA RECEPTS	4
5	BATHROOM AND BEDROOM LIGHTS	20/1	500 720	20/1	MAIN ROOM RECEPTS	6
7	EXISTING SITE LIGHTS	20/1	1000 1632	25/2	CONDENSING UNIT	8
9	KITCHEN WATER HEATER	40/2	2250 1832	-	-	10
11	-	-	2200 4000	50/2	RANGE	12
13	BATHROOM WATER HEATER	50/2	1500 4000	-	-	14
15	-	-	1500	20/1	SPARE	16
17	SPARE	20/1	-	20/1	SPARE	18
19	BATTERY CHARGER	20/1	1500	20/1	REFRIGERATOR	20
21	2ND FLOOR HVAC	15/2	1200 4080	60/2	INDOOR HVAC UNIT	22
23	-	-	1200 4080	20/1	RECEPTACLES	24
25	HOOD	20/1	200 360	20/1	RECEPTACLES	26
27	MICROWAVE	20/1	1500	20/1	SPARE	30
29	FIREPLACE INSERT	20/1	-	20/1	SPARE	32
31	SPARE	-	-	20/1	SPARE	34
33	SPARE	-	-	20/1	SPARE	36
35	SPARE	-	-	20/1	SPARE	38
37	SPARE	-	-	20/1	SPARE	40
39	SPARE	-	-	20/1	SPARE	42
41	SPARE	-	-	20/1	SPARE	44
			19.7 19.3		Total In KVA	



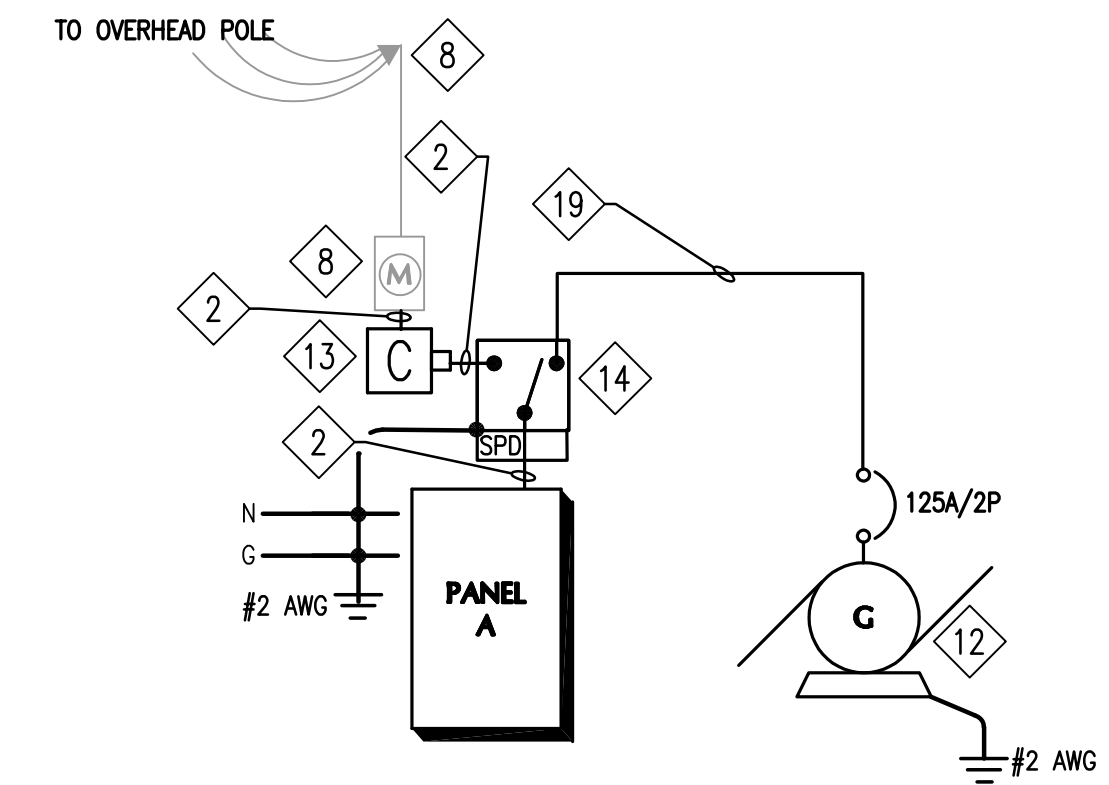
1 ELECTRICAL FIRST FLOOR ELECTRICAL AND POWER PLAN
E3.1 SCALE: 1/4" = 1'-0"

ELECTRICAL DESIGN LOAD SUMMARY			
LOAD SERVED	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
1100 SQ. FT.			
GENERAL LOADS:			
1100 X 3	3.3		
SMALL APPLIANCE AND LAUNDRY	4.5		
DISPOSAL	.94		
DISHWASHER	1.5		
MICROWAVE/HOOD	1.3		
OVEN	8.0		
WATER HEATERS	16.8		
TOTAL	37.0		21.0
HVAC (HEATING LOAD):	11.0		11.0
TOTAL	48.0		32.0
32.0KVA = 133 AMPS @ 240 VOLT, 1 ϕ . PROVIDE A 150 AMP, 240/120 VOLT, 1 ϕ , 3W SERVICE			

2 ELECTRICAL SECOND FLOOR ELECTRICAL PLAN
E3.1 SCALE: 1/4" = 1'-0"

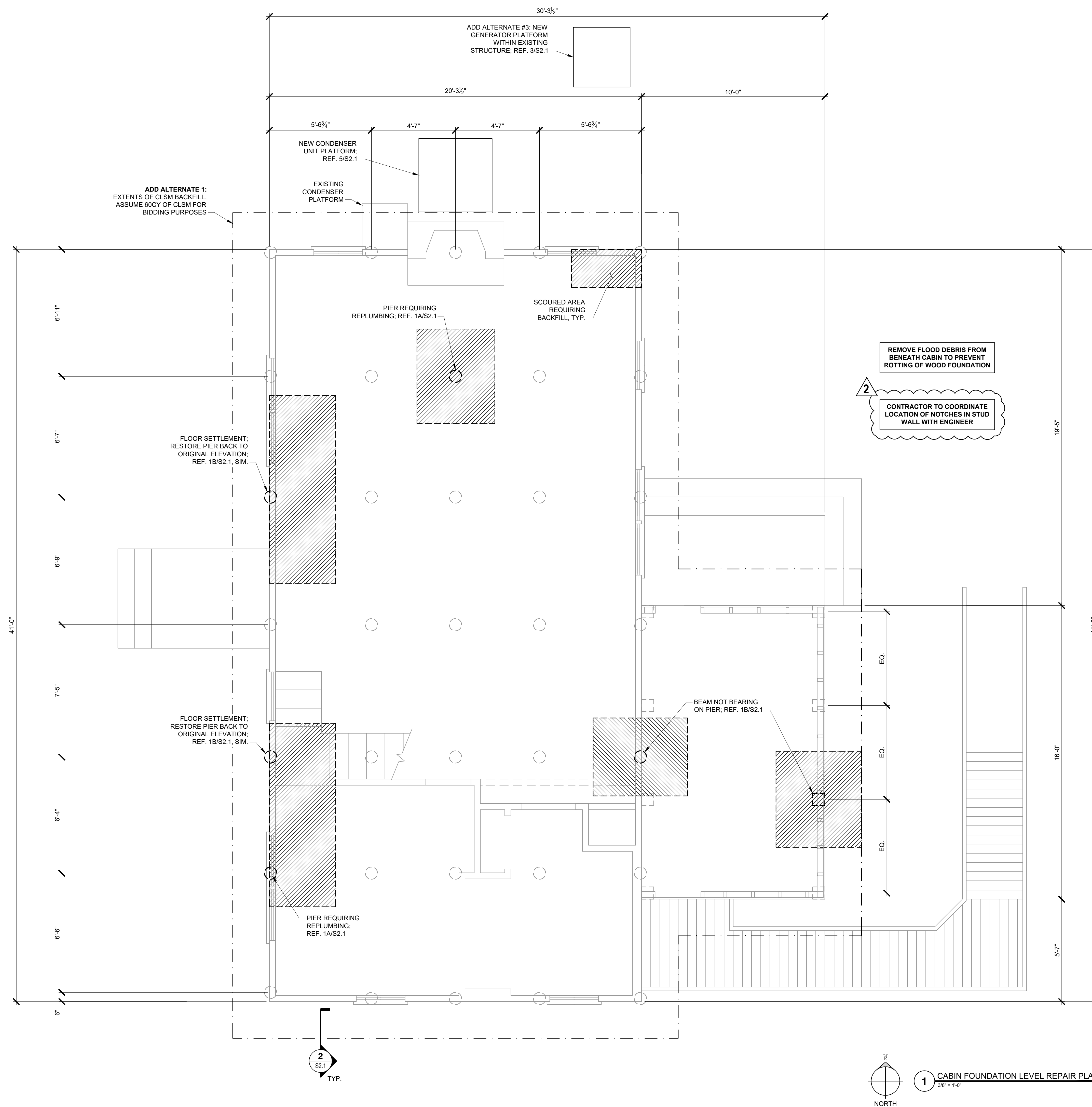


- KEYED NOTES**
- 1 PROVIDE 3 POLE, 240 VOLT, 50 AMP RECEPTACLE. VERIFY EXACT RATING OF RANGE PRIOR TO PROCUREMENT.
 - 2 INSTALL 3 #1/0 AWG AND 1 #6 GROUND IN 1 1/2" CONDUIT.
 - 3
 - 4 RECONNECT DEVICES AND LIGHTING FIXTURES IN THIS ROOM TO THE NEW PANELBOARD. CONNECT TO BRANCH CIRCUIT #1.
 - 5 3/4" CONDUIT. 2 #10 AND 1 #10 GROUND. PROVIDE A 2 POLE, 30 AMP NEMA 3R SAFETY SWITCH.
 - 6 3/4" CONDUIT. 2 #8 AND 1 #10 GROUND. PROVIDE A 2 POLE, 60 AMP, NEMA 3R SAFETY SWITCH.
 - 7 3/4" CONDUIT. 2 #6 AND 1 #10 GROUND. PROVIDE A 2 POLE, 60 AMP DISCONNECT SWITCH.
 - 8 EXISTING METER AND WEATHERHEAD TO REMAIN.
 - 9 PROVIDE RECEPTACLE WITH ONE DUPLEX OUTLET AND TWO USB OUTLETS.
 - 10 3/4" CONDUIT. 3 #8 AND 1 #10 GROUND.
 - 11 SINGLE STATION, COMBINATION 120 VOLT AUDIO VISUAL/SMOKE DETECTOR MOUNTED AT THE TOP OF THE STRUCTURE.
 - 12 NEW 20 KW, 25 KVA, 240/120 VOLT, 1 ϕ , PROPANE DRIVEN GENERATOR. REFER TO GENERAL NOTE 3 ON THIS SHEET FOR ADDITIONAL INFORMATION.
 - 13 PROVIDE NEW 2 POLE, 150 AMP, 25 KAIC, ENCLOSED CIRCUIT BREAKER IN A NEMA 3R ENCLOSURE. INSTALL ON EXISTING POLE BELOW THE METER.
 - 14 NEW 3 POLE, 150 AMP, 25 KAIC AUTOMATIC TRANSFER SWITCH IN A NEMA 3R ENCLOSURE WITH BUILT IN SURGE SUPPRESSION DEVICE.
 - 15 PROVIDE A COMBINATION AFCI/GFCI CIRCUIT BREAKER.
 - 16 PROVIDE CONTROL WIRING BETWEEN THE OUTDOOR UNIT AND THE 2ND FLOOR UNIT. COORDINATE EXACT REQUIREMENTS WITH THE MANUFACTURER.
 - 17 LOCATE FOR CONNECTION TO HOOD.
 - 18 RECEPTACLE FOR ELECTRIC FIREPLACE. VERIFY EXACT REQUIREMENTS AND LOCATION WITH THE MANUFACTURER AND INSTALLER.
 - 19 1 1/2" CONDUIT. 4 #2 AND 1 #8 GROUND.
 - 20 3/4" CONDUIT. 2 #12 AND 1 #12 GROUND.



3 ELECTRICAL RISER DIAGRAM
E3.1 SCALE: 1/4" = NTS

- GENERAL NOTES**
1. REFERENCE THE G SERIES SHEETS FOR MOUNTING HEIGHT DIAGRAMS FOR ALL DEVICES INCLUDING SWITCHES AND RECEPTACLES.
 2. ROUTE CONDUIT AND WIRING ABOVE WAINSCOT TRIM ON 5/8" DIA. A MINIMUM OF 48" AFF.
 3. THE GENERATOR, TRANSFER SWITCH, AND NEW PLATFORM FOR THE GENERATOR ARE A PART OF ALTERNATE #3. THE CONDUIT AND WIRING ASSOCIATED WITH THE GENERATOR AND TRANSFER SWITCH ARE PART OF THE BASE BID. UNDER THE BASE BID, TERMINATE THE FEEDER FOR THE GENERATOR IN A 12" X 12" X 6" DEEP WEATHERPROOF JUNCTION BOX INSTALLED FLUSH WITH GRADE.
 4. ALL WIRING DEVICES IN THE CABIN SHALL BE ARC FAULT STYLE, TAMPER RESISTANT RECEPTACLES PER NEC SECTION 210 OF THE NATIONAL ELECTRICAL CODE.
 5. EMT CONDUIT SHALL BE USED IN AREAS BELOW 48" AFF. METAL CLAD CABLE MAY BE UTILIZED ABOVE 48" AFF IF THE STRUCTURE IS COVERED. EMT CONDUIT SHALL BE USED IN EXPOSED WALLS OR CEILINGS.



1 CABIN FOUNDATION LEVEL REPAIR PLAN
3/8" = 1'-0"