

## PACKAGED ROOFTOP GAS/ELECTRIC UNIT SCHEDULE

UNIT NO.	MFG & MODEL NO	NOM TONS	COOLING - MBH		IEER/SEER /EER	HEAT - MBH		OSA CFM	ESP	FAN BHP	ELECTRICAL			SOUND Db(a)	WT LBS	NOTES	
			TOTAL	SENS.		INPUT	AFUE				VOLTAGE	MCA	MOCP				
GP-10	CARRIER 48FCM07A2A5	6	72.42	55.62	15.0 / - / 11.0	110	80	2400	480	0.5	1.31	208-3-60	28	45	79	835	1,2,3,4,5,6

- NOTES:
1. TWO-STAGE COOLING.
  2. 2 SPEED INDOOR FAN CONTROLLED BY VFD.
  3. UNIT MEETS THE REQUIREMENTS OF C403.2.3(1)A.
  4. PROVIDE ECONOMIZER W/ LOW-LEAK DAMPERS WITH BAROMETRIC RELIEF.
  5. SMOKE DETECTOR AND THERMOSTAT.
  6. WEIGHT INCLUDES ECONOMIZER AND ROOF CURB.

### NOTES

1. A 110V CONVENIENCE OUTLET SHALL BE WITHIN 25'-0" OF OUTDOOR EQUIPMENT PER 2018 I.M.C. SECTION 306.4.1.
2. PROVIDE RETURN DUCT MOUNTED SMOKE DETECTOR REQUIRED PER 2018 I.M.C. SECTION 606.2.1.
3. MAINTAIN 10'-0" DISTANCE BETWEEN AIR INTAKE INLET OPENING AND EXHAUST OUTLET 2018 I.M.C. SECTION 401.4.
4. SEAL DUCTS PER 2018 W.S.E.C. SECTION 1414.1
5. INSULATE DUCTWORK PER 2018 W.S.E.C. TABLE 14-6.
6. PROVIDE ECONOMIZER REQUIRED PER 2018 W.S.E.C. SECTION 1433.
7. ROOF ACCESS TO EQUIPMENT TO COMPLY WITH 2018 I.M.C. SECTION 306.5.
8. THERMOSTAT PLACEMENT TO BE NO HIGHER THAN 48" AFF ADA 308.3.

### ABBREVIATION

- AFF ABOVE FINISHED FLOOR
- APPROX APPROXIMATELY
- BFC BELOW FINISHED CEILING
- BOD BOTTOM OF DUCT
- ERV ENERGY RECOVERY VENTILATOR
- EXH EXHAUST
- FC FAN COIL
- FOT FLAT ON TOP
- FOB FLAT ON BOTTOM
- GRD GRILLES, REGISTERS, AND DIFFUSERS
- ID INSIDE DIMENSION
- IMC INTERNATIONAL MECHANICAL CODE
- OBD OPPOSED BLADE DAMPER
- OC ON CENTER
- OSA OUT SIDE AIR
- RA RETURN AIR
- RTU ROOFTOP UNIT
- SA SUPPLY AIR
- TO TOP OF
- TYP TYPICAL
- W/ WITH
- WSEC WASHINGTON STATE ENERGY CODE

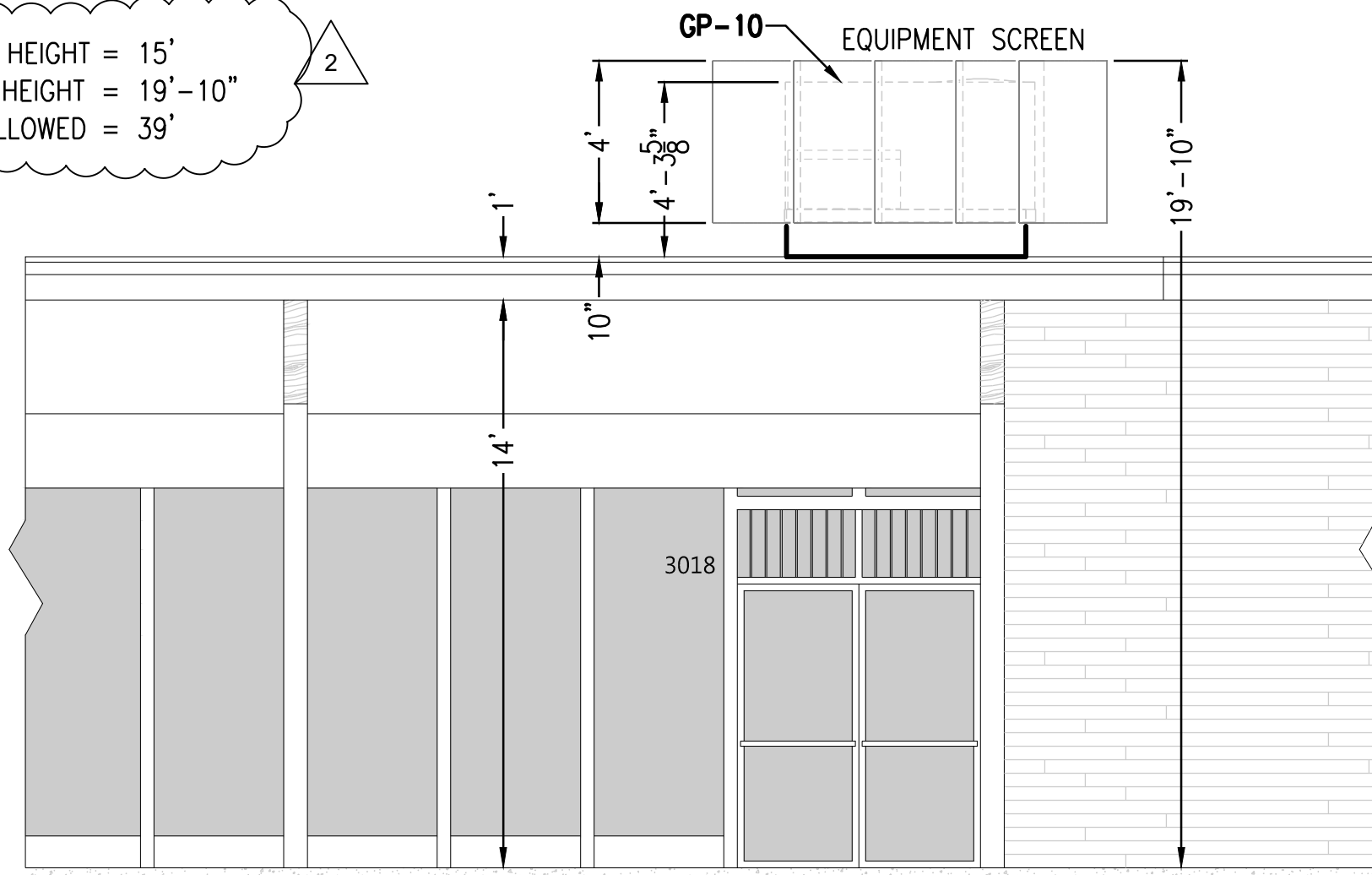
### LEGEND

- NEW GRD, EQUIPMENT, DUCTWORK, ELECTRICAL WIRE
- EXISTING GRD, EQUIPMENT, DUCTWORK, ELECTRICAL WIRE
- THERMOSTAT

### BUILDING INFORMATION

PARCEL NUMBER: 531510-1135  
 LEGAL DESCRIPTION: MC GILVRAS ISLAND ADD LOT 1 LESS THE W 120 FT THOF TGW LOT 2  
 PLAT BLOCK: 13  
 PLAT LOT: 1-2  
 QUARTER-SECTION-TOWNSHIP-RANGE: NE-12-24-4  
 ZONING: TC  
 OCCUPANCY TYPE: RETAIL  
 CONSTRUCTION TYPE: MASONRY  
 OWNER: ALSIN FAMILY LTD PS  
 C/O JSH PROPERTIES INC  
 923 POWELL AVE SW STE 101  
 RENTON WA, 98057  
 CHRISTIAN ROBINSON  
 PHONE: 509-539-5201  
 EMAIL: christian@jshproperties.com

CURRENT BUILDING HEIGHT = 15'  
 PROPOSED HEIGHT = 19'-10"  
 MAXIMUM HEIGHT ALLOWED = 39'



### SCOPE OF WORK

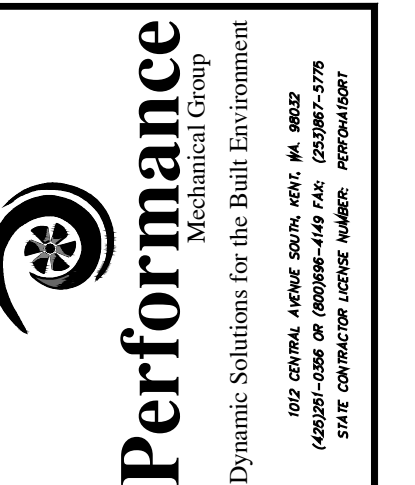
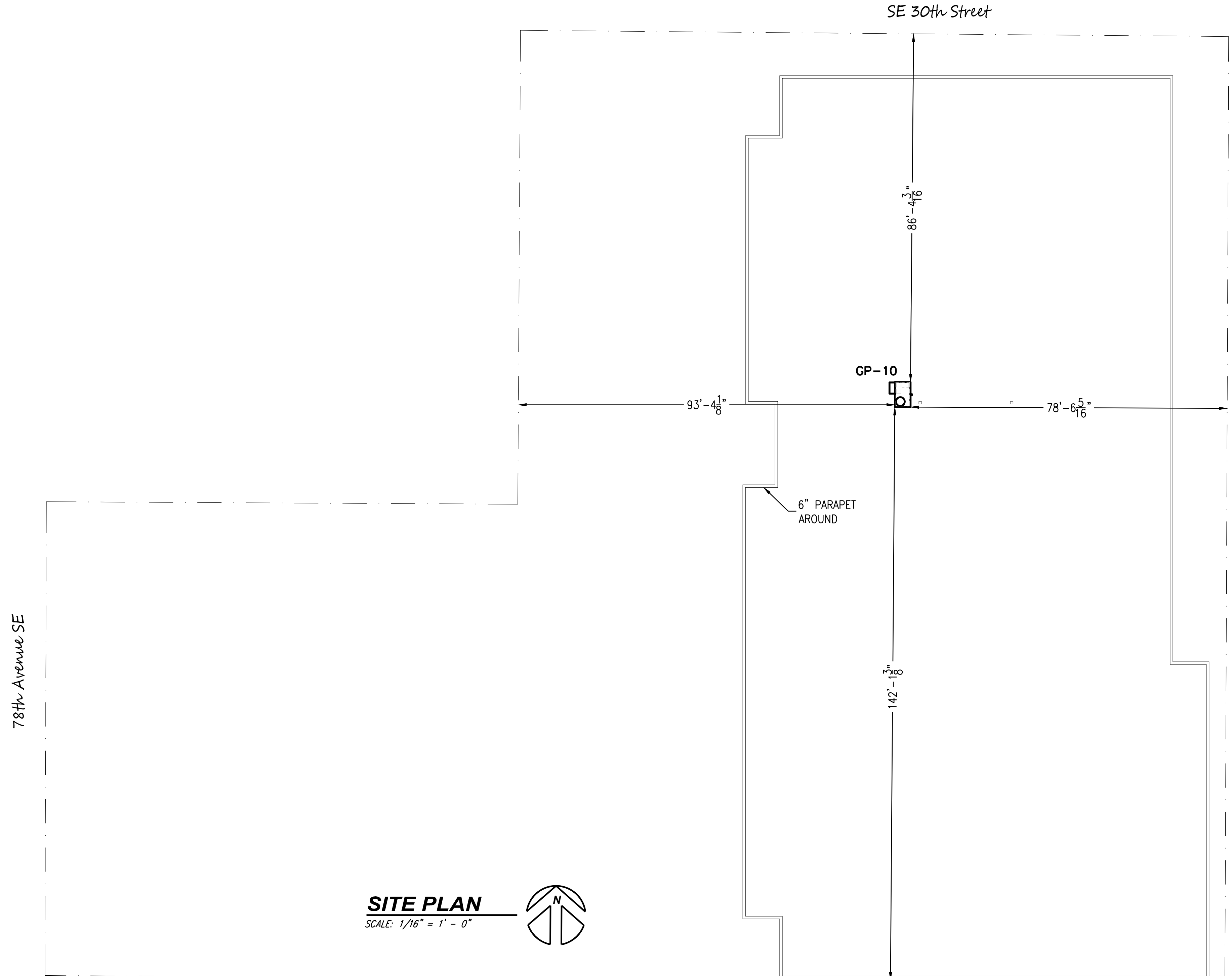
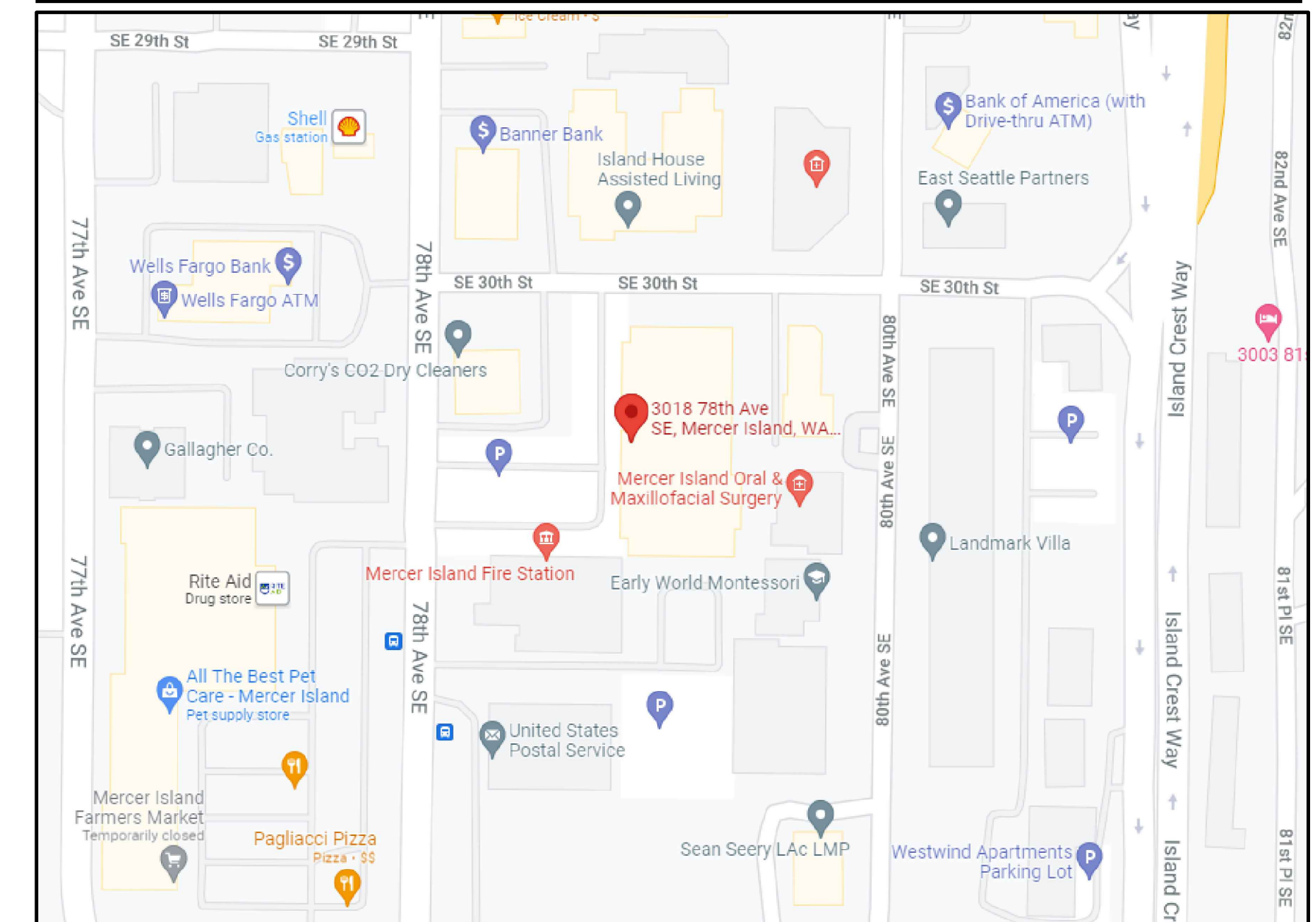
INSTALL ROOFTOP EQUIPMENT SCREENING FOR ONE PACKAGED ROOFTOP UNIT.

THIS APPLICATION/SCOPE SHOWN IS FOR THE STRUCTURAL SUPPORT OF THE UNIT DESCRIBED.

TENANT IMPROVEMENT (T.I.) UNDER SEPARATE PERMIT. ENERGY RECOVERY VENTILATOR UNIT WILL BE INSTALLED IN THE T.I. PHASE.

THIS WORK REQUIRES SEPARATE MECHANICAL AND ELECTRICAL PERMITS - UNIT LISTED HERE AND ALL MECHANICAL SPECIFICATIONS ARE FOR REFERENCE TO STRUCTURAL DESIGN ONLY - NO CHANGES TO BUILDING ENVELOPE OR TENANT SPACE UNDER THIS PERMIT. ENERGY CODE AND BUILDING CODE REVIEW WILL BE PERFORMED UNDER THE TI PERMIT.

### VICINITY MAP

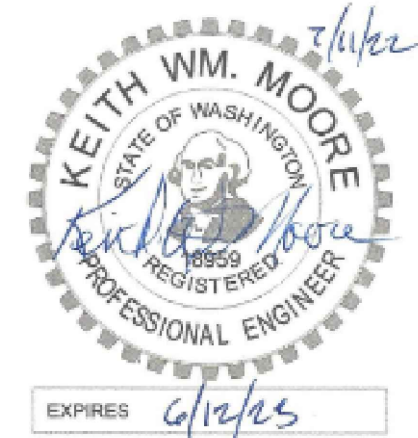


DATE	DESCRIPTION
09-13-2022	1. Permit Correction
11-02-2022	2. Permit Correction

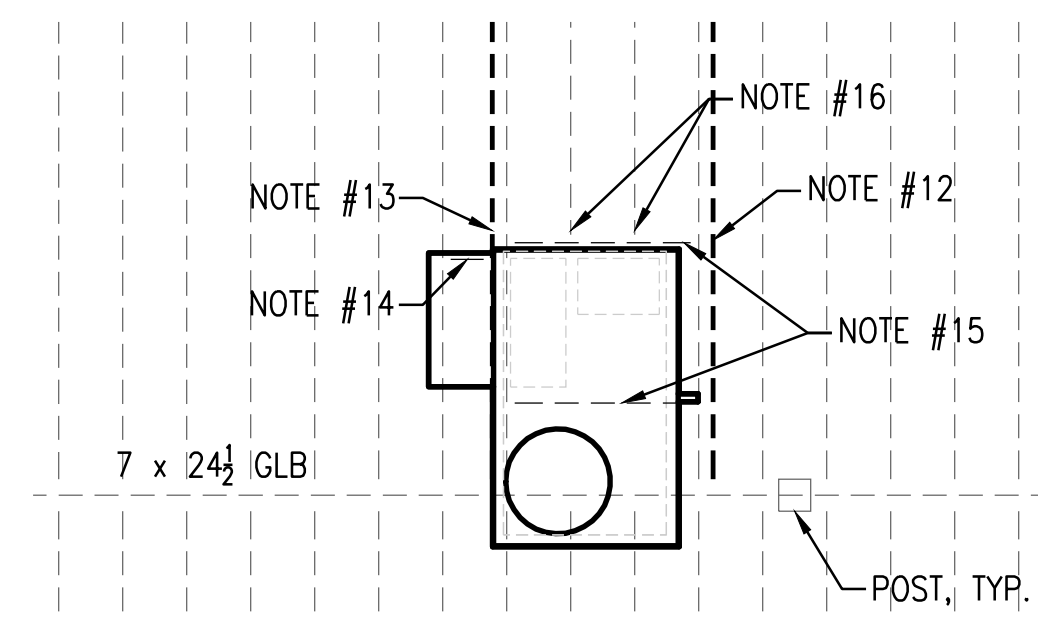
**Cover Sheet**  
**Equipment Schedule**  
**Site Plan**

**Islandia Center Suite 3018**  
**6 Ton Shell**  
 3018 78th Avenue Southeast  
 Mercer Island, WA 98040

DATE:	12-21-2021
DRAWN:	VTD
ENGR:	
APPVD:	
JOB NUMBER:	21.J103

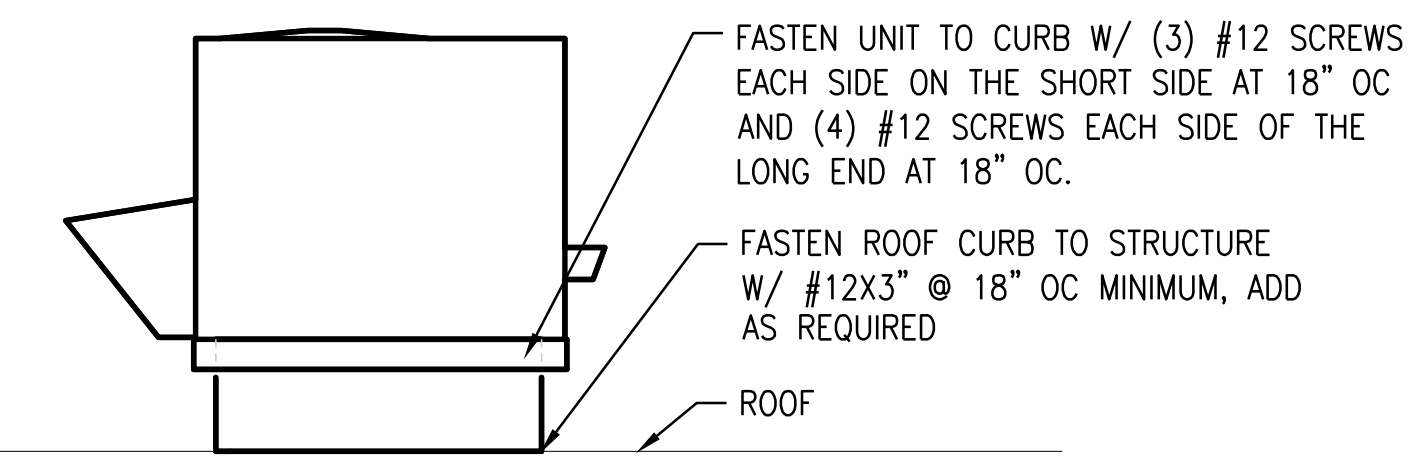


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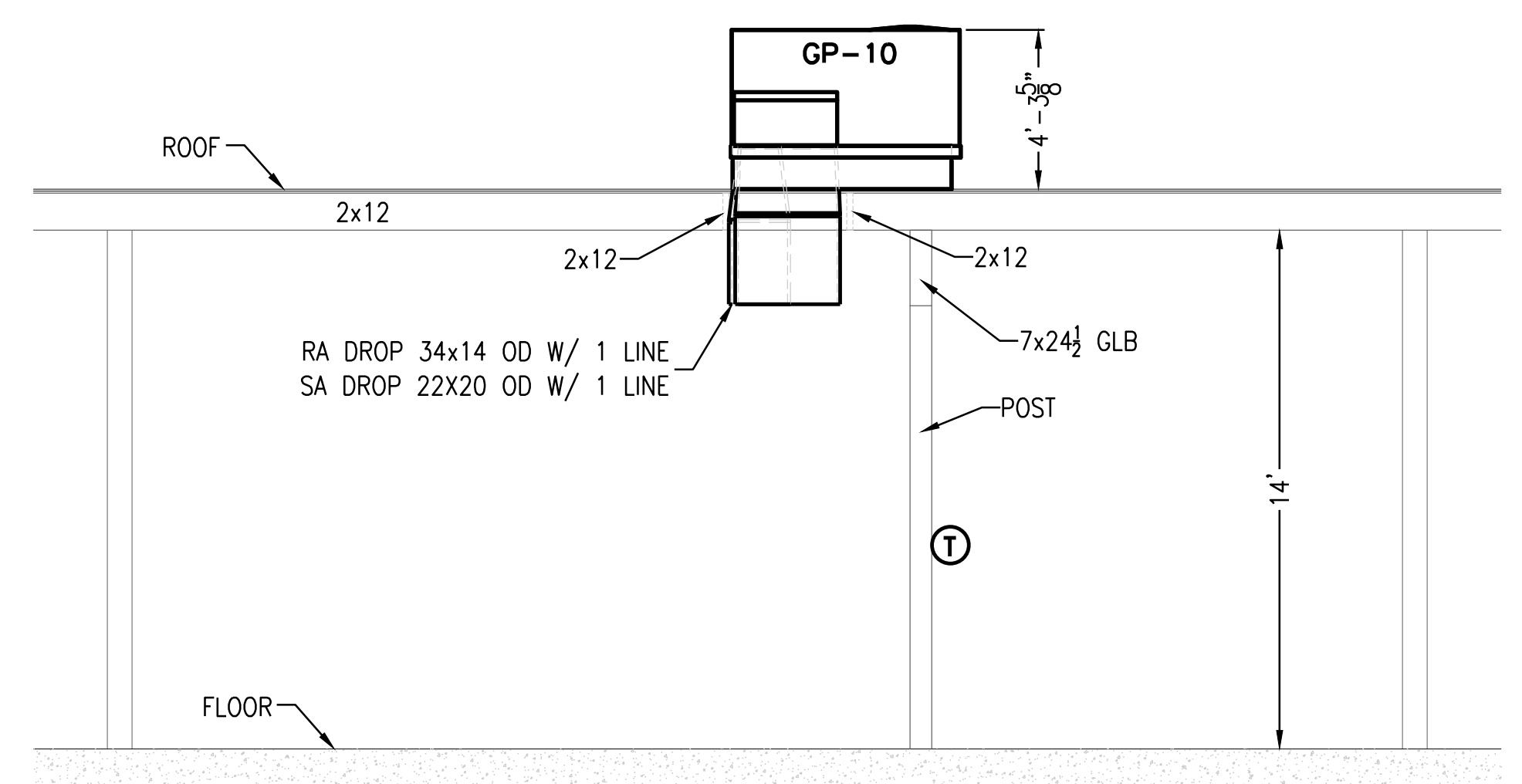


**PARTIAL ROOF FRAMING PLAN**  
SCALE: 1/4" = 1' - 0"

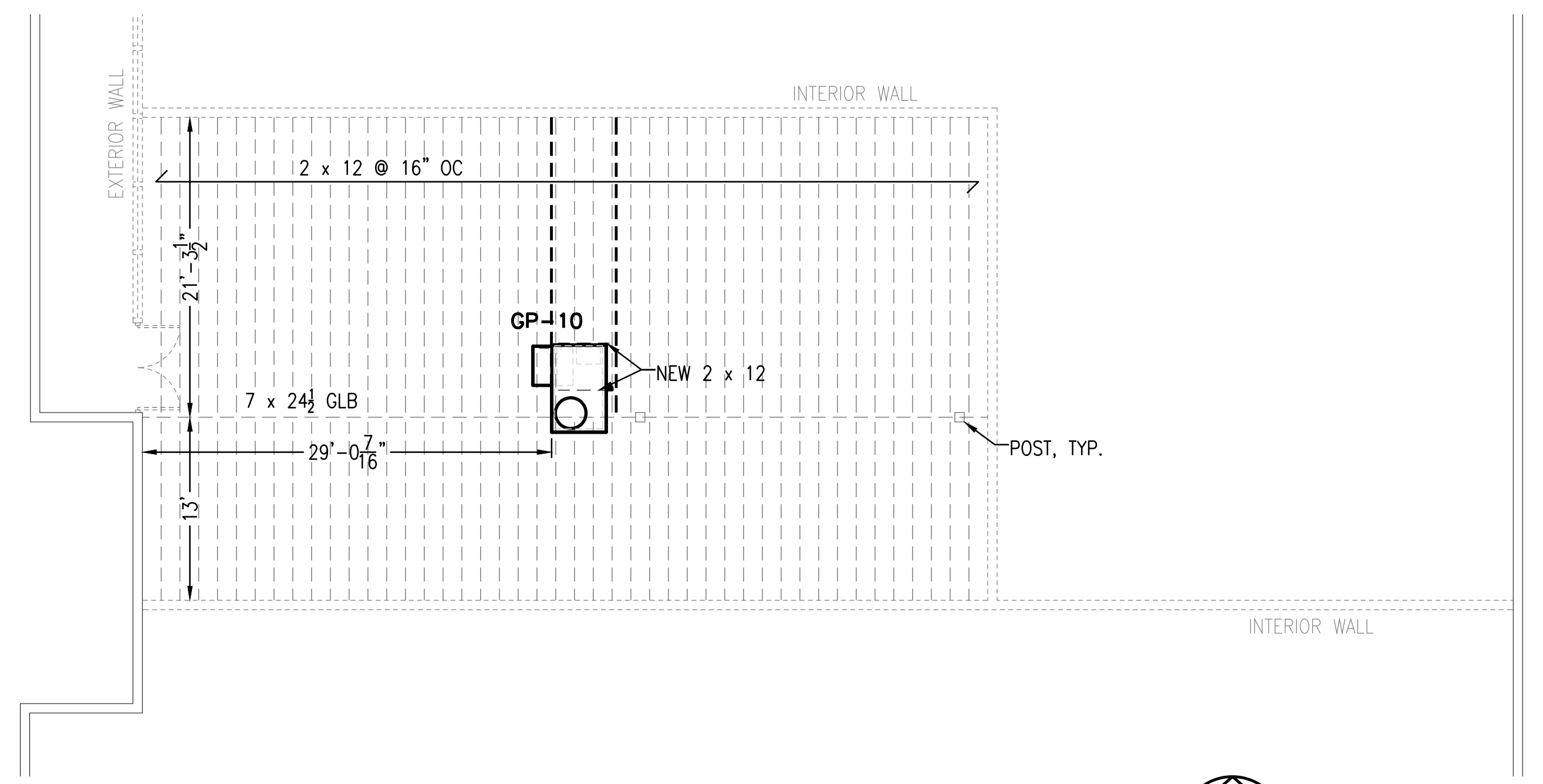
- STRUCTURAL NOTES:**
- SISTER A NEW 2x12 TO THE EXISTING 2x12 FOR THE ENTIRE LENGTH OF THE EXISTING JOIST WITH 10d NAILS AT 12" ON-CENTER, STAGGERED.
  - PROVIDE AN LSL OR LVL 1-3/4" x 11-7/8" MEMBER ALONG THE EDGE OF THE ROOFTOP UNIT TO SPAN FROM THE EXISTING GLU-LAMINATED WOOD BEAM TO THE EXISTING WOOD STUD BEARING WALL. NOTCH THE JOIST AT THE BEAM AND THE STUD WALL AS REQUIRED TO PROVIDE SUPPORT THE SAME AS THE EXISTING 2x12 JOISTS.
  - PROVIDE 2x8 BLOCKING BETWEEN THE NEW JOIST AND AN EXISTING JOIST ADJACENT TO THE NEW JOIST AT 5' ON-CENTER.
  - PROVIDE 2x12 HEADERS WITH LUS212 HANGERS FOR THE DUCT OPENINGS IN THE DECK.
  - PROVIDE LUS212 HANGERS FOR THE CONNECTION OF THE EXISTING JOISTS TO THE NEW JOIST HEADER.



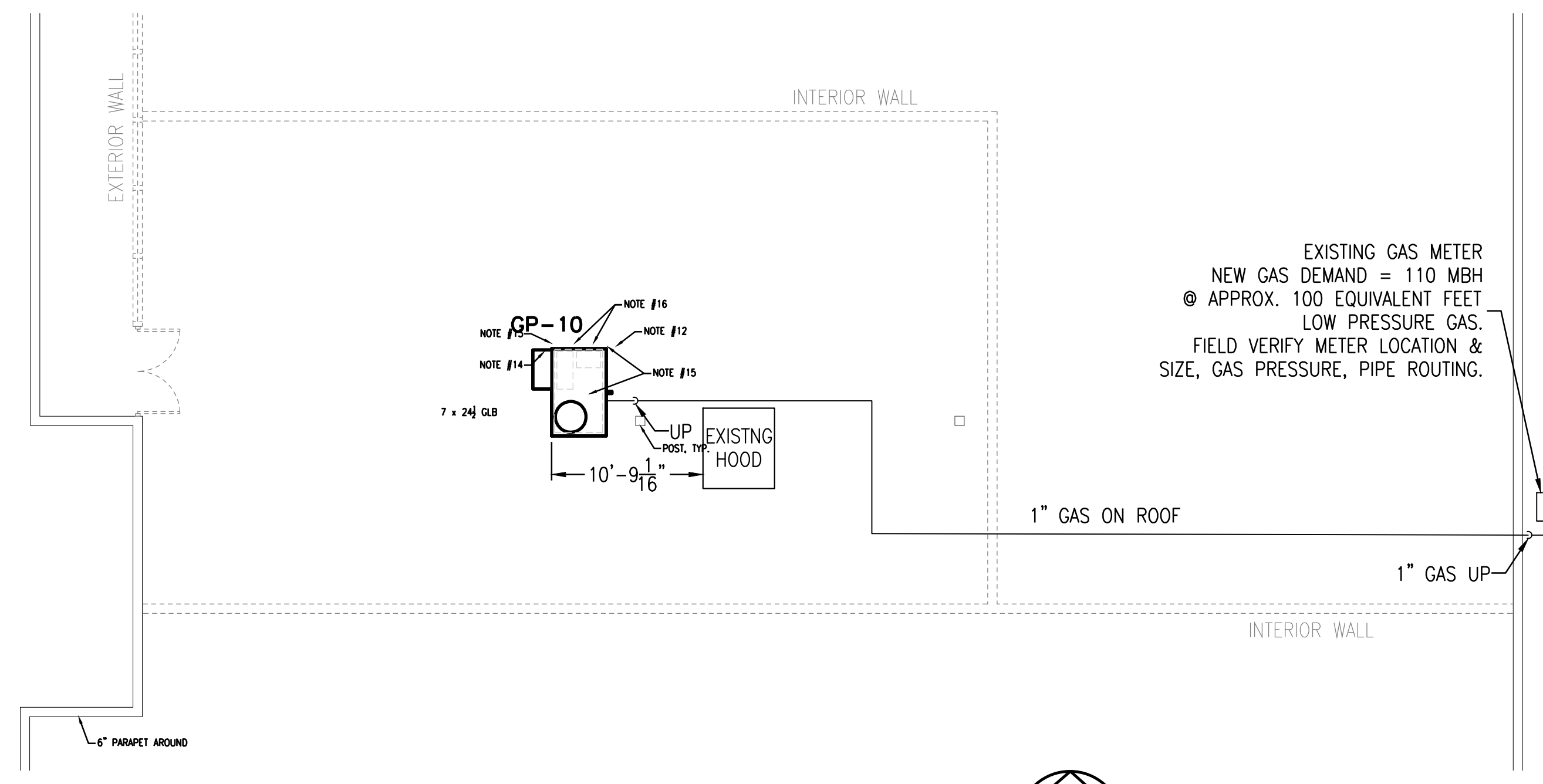
**SEISMIC ATTACHMENT DETAILS**  
SCALE: NONE



**CROSS SECTION VIEW**  
SCALE: 1/8" = 1' - 0"



**ROOF FRAMING PLAN**  
SCALE: 1/8" = 1' - 0"



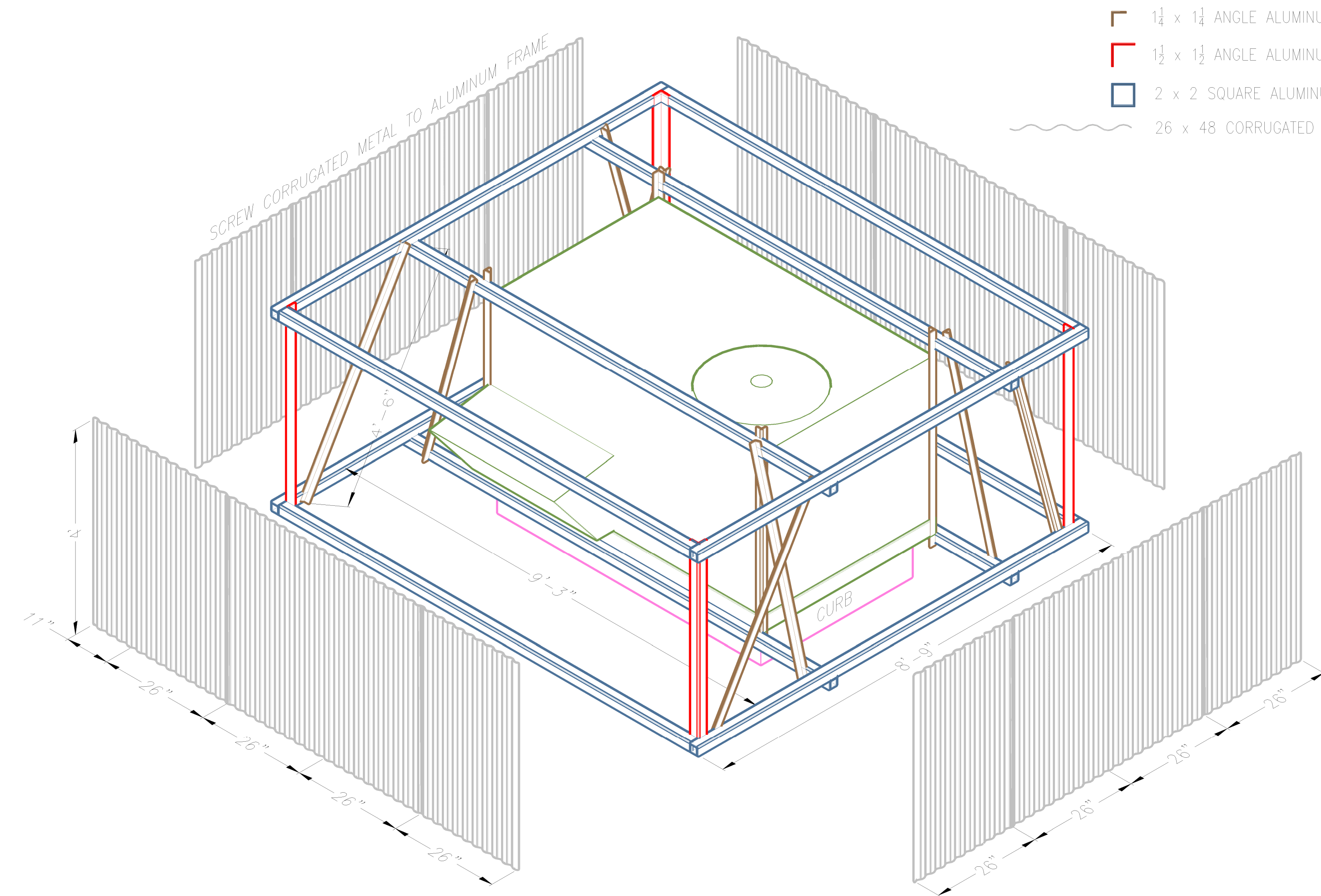
**HVAC ROOF PLAN**  
SCALE: 1/8" = 1' - 0"





REVISIONS	DATE
1. Permit Correction	09-13-2022
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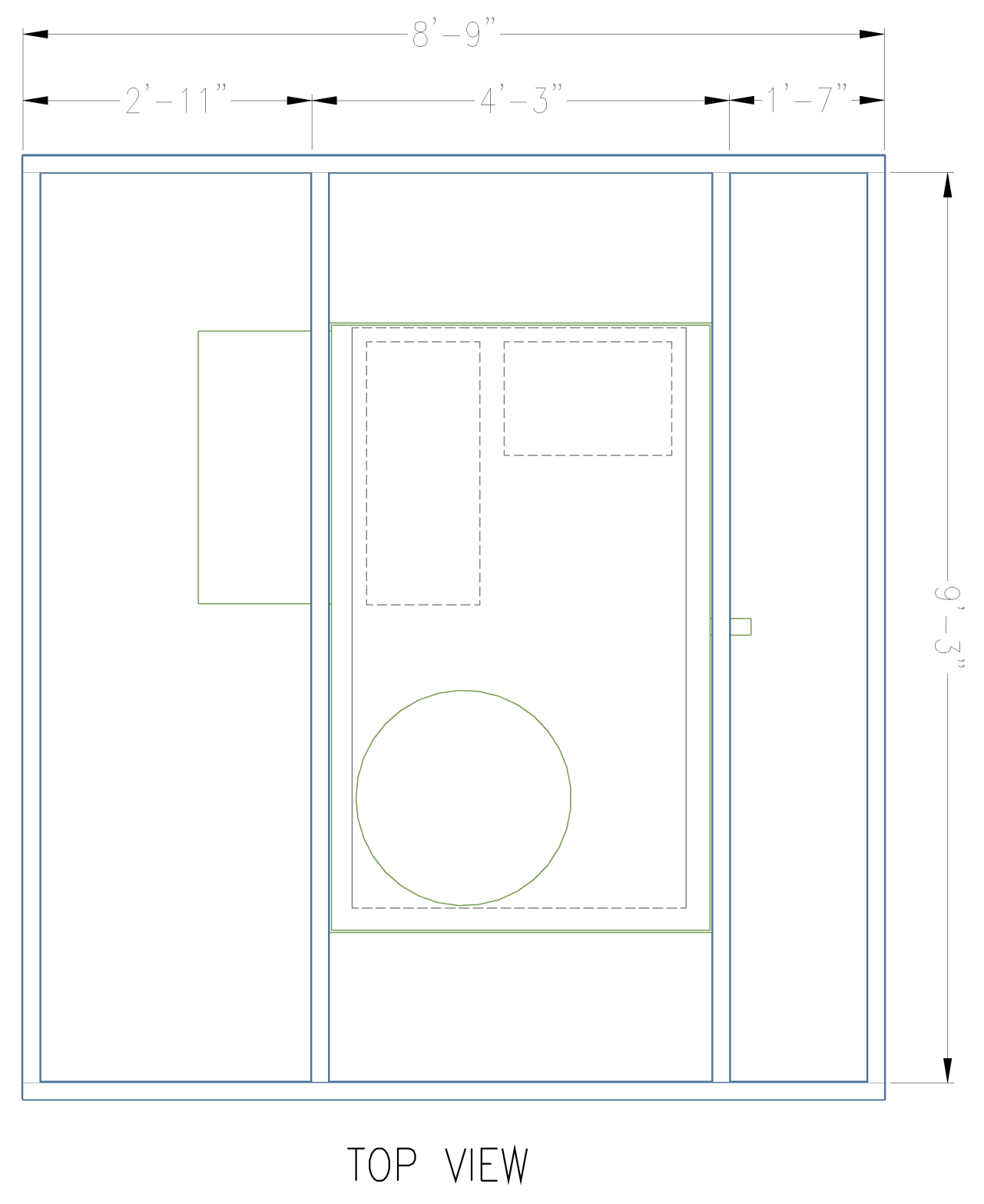
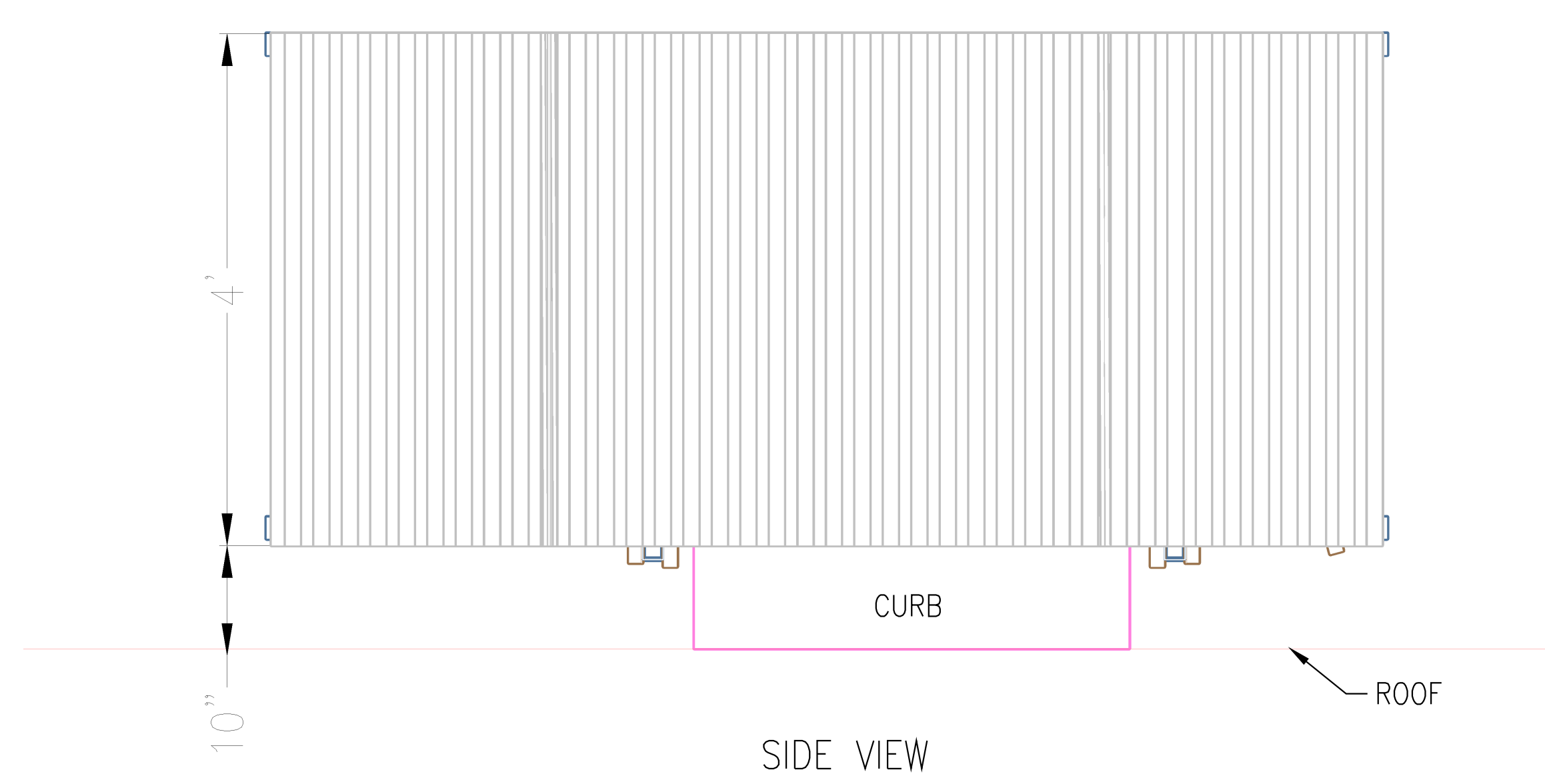
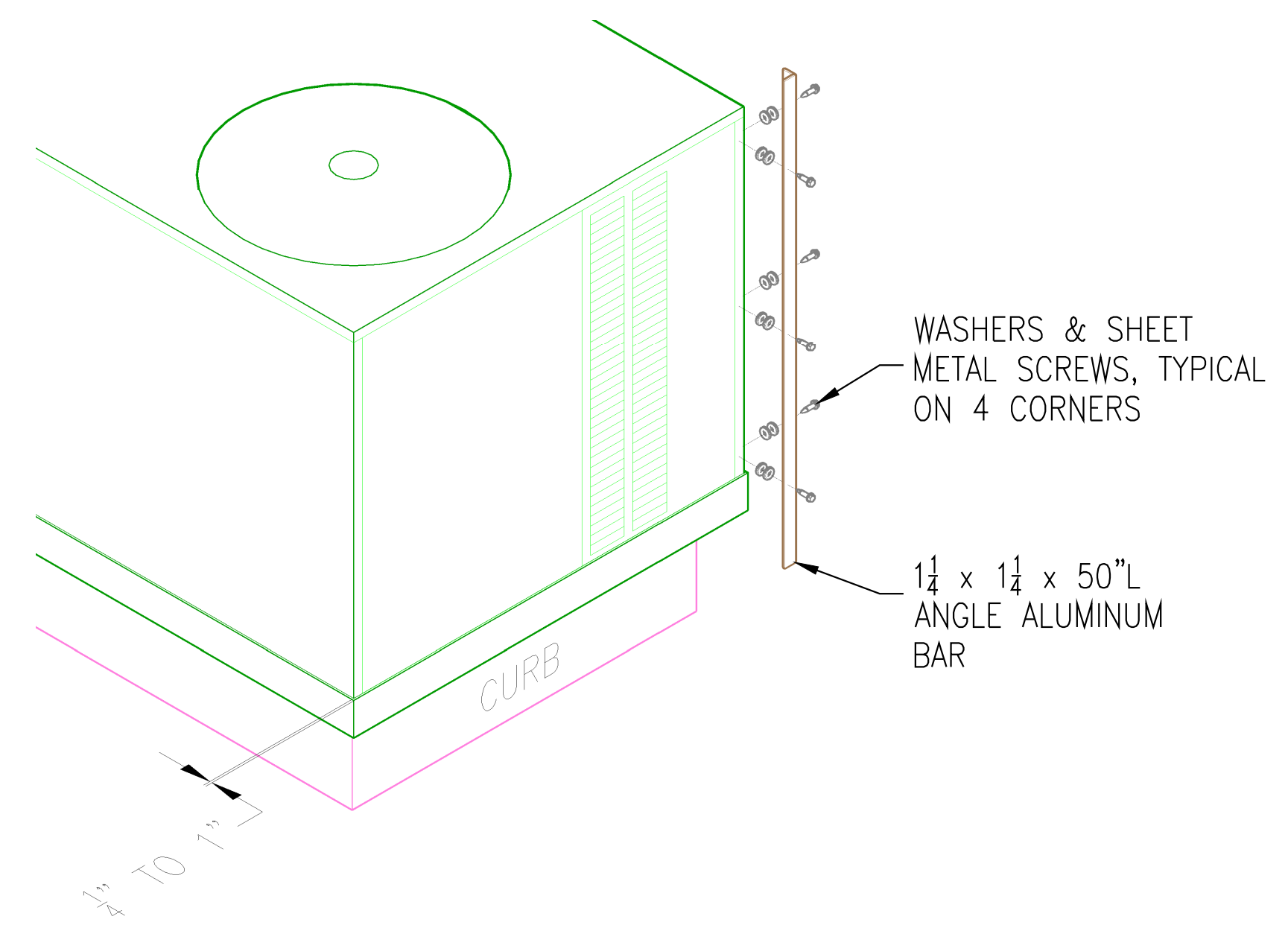
**Roof Framing Plan**  
**Seismic Attachment Details**  
**Cross Section View**

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-  1 1/4 x 1 1/4 ANGLE ALUMINUM BAR
-  1 1/2 x 1 1/2 ANGLE ALUMINUM BAR
-  2 x 2 SQUARE ALUMINUM TUBE
-  26 x 48 CORRUGATED METAL



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**Equipment Screening Details**

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