



PLANS PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071

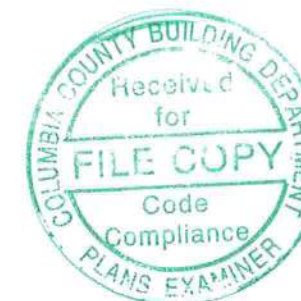
HUDSON CARPORT/WORKSHOP
COLUMBIA COUNTY, FL

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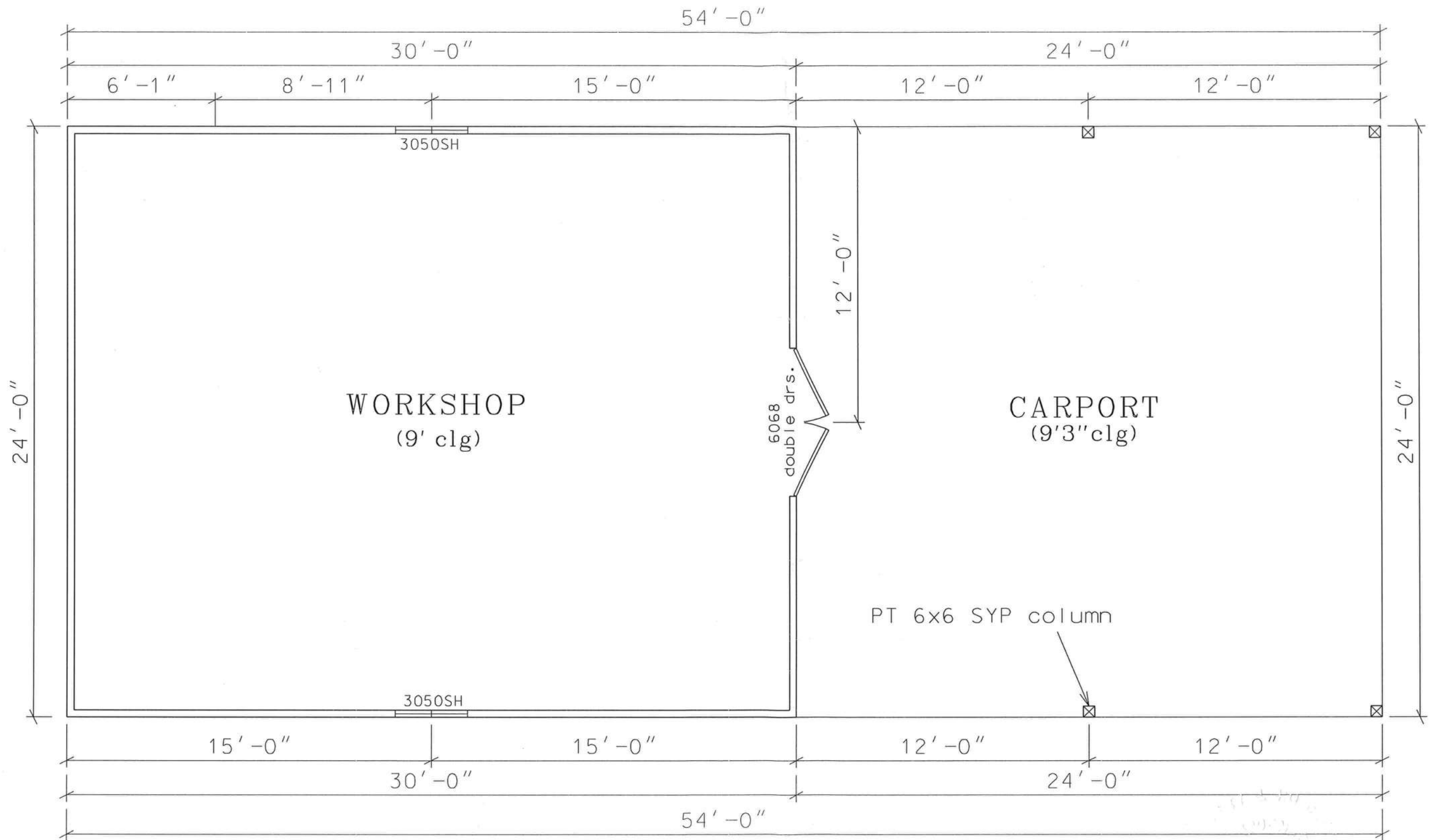
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4	rear and left elevations
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7	foundation plan
8	electrical plan



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11-24-20



FLOOR PLAN

CARPORT - 576 sq. ft.
WORKSHOP - 720 sq. ft.

0 2' 4'
scale

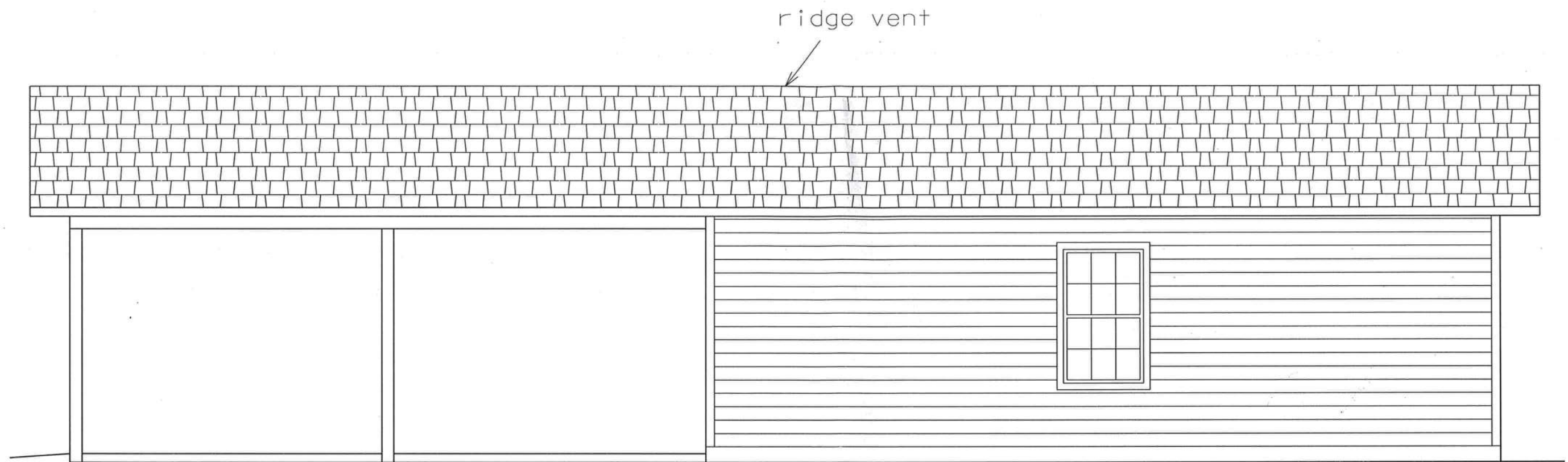
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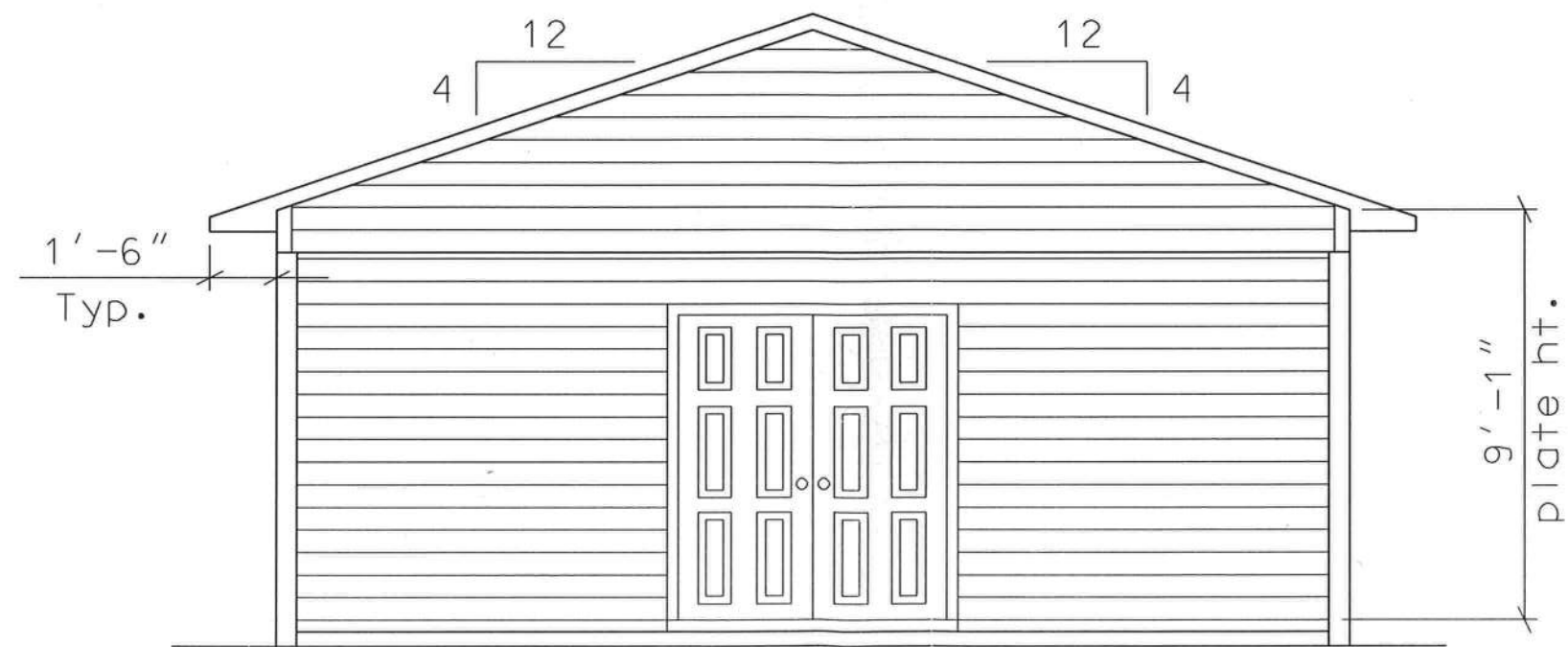
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RIGHT ELEVATION



FRONT ELEVATION

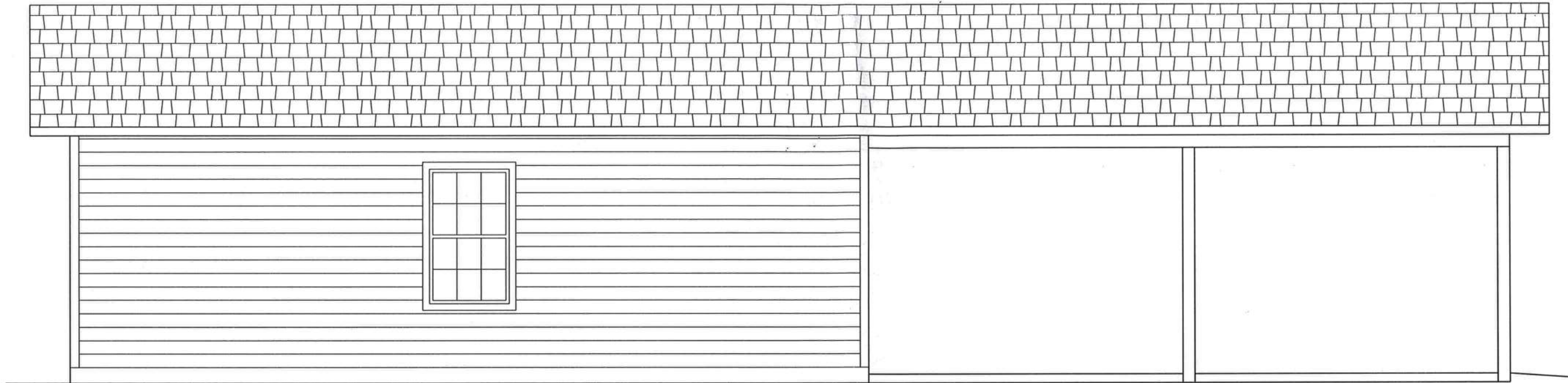
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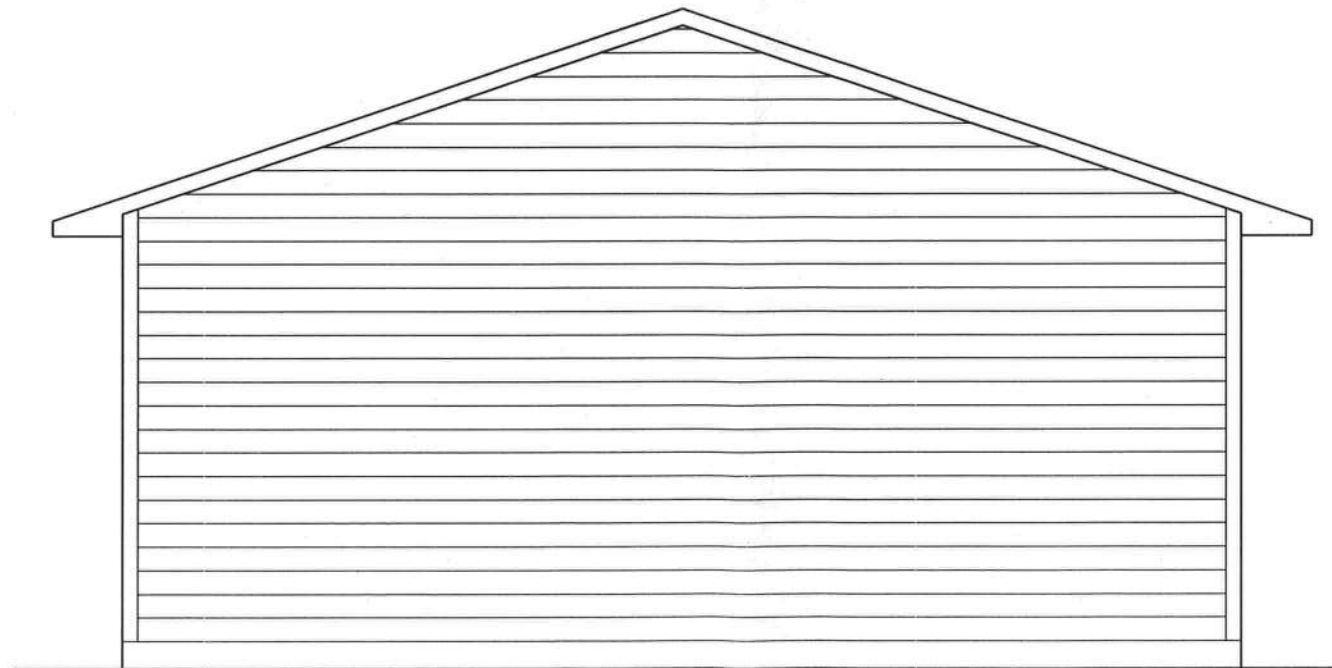
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LEFT ELEVATION



REAR ELEVATION

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STRAPPING AND ANCHOR REQUIREMENTS

(Designed In accordance with the 2017 FBC):

WINDLOAD DATA AND EXPOSURE:

Basic Wind Speed = 120 mph Vult.
 Importance Factor = 1.0
 Exposure Category = B
 Residential Occupancy = Group R3
 Mean Roof Height = 12
 Height and Exposure Adjustment Coefficient = 1.0
 Roof Cross Slope = 4:12
 Wall Height = 9'1"
 Risk Category = II
 Component and Cladding Pressures = Roof(Zone 1=10,-14, Zone 2=10,-24
 Zone 3=10,-36), Wall(Zone 4=15.5,-16, Zone 5=15.5,-20)(units are psf)

TRUSS ANCHORS:

At truss to exterior wall and carport header locations: install one Simpson H10A clip at truss bearing point.

WALL STRAP TIES & NAILING PATTERNS:

Install one Simpson SP4 strap top and bottom of the wall each side of single windows. Install two SP4's top and bottom of the wall each side of double door. All other locations install one SP4 strap top and bottom of the wall 4' on center. Sheathing shall be $\frac{7}{16}$ " OSB nailed with 8d nails 4' on center around edges and 6' on center interior.

SHEATHING:

Wall sheathing shall be installed with long dimension vertical on exterior walls and full-depth blocking shall be required at horizontal joints in sheathing.

HEADERS:

Windows and double door: 2-#2 SYP 2x12's with $\frac{15}{32}$ " OSB between nailed with 4-12d nails 10" on center.

Carport Headers: 2 - 1.75" x 11.25" LVL's (Fb-2250, 1.5 E min.) nailed together with 4-12d nails 10" on center. Notch top of 6x6 columns and connect header to column with 2-3/4" galvanized carriage bolts.

ROOF SHEATHING REQUIREMENTS:

Roof sheathing shall be $\frac{15}{32}$ " OSB nailed with 8d ring-shank nails 6" on center.

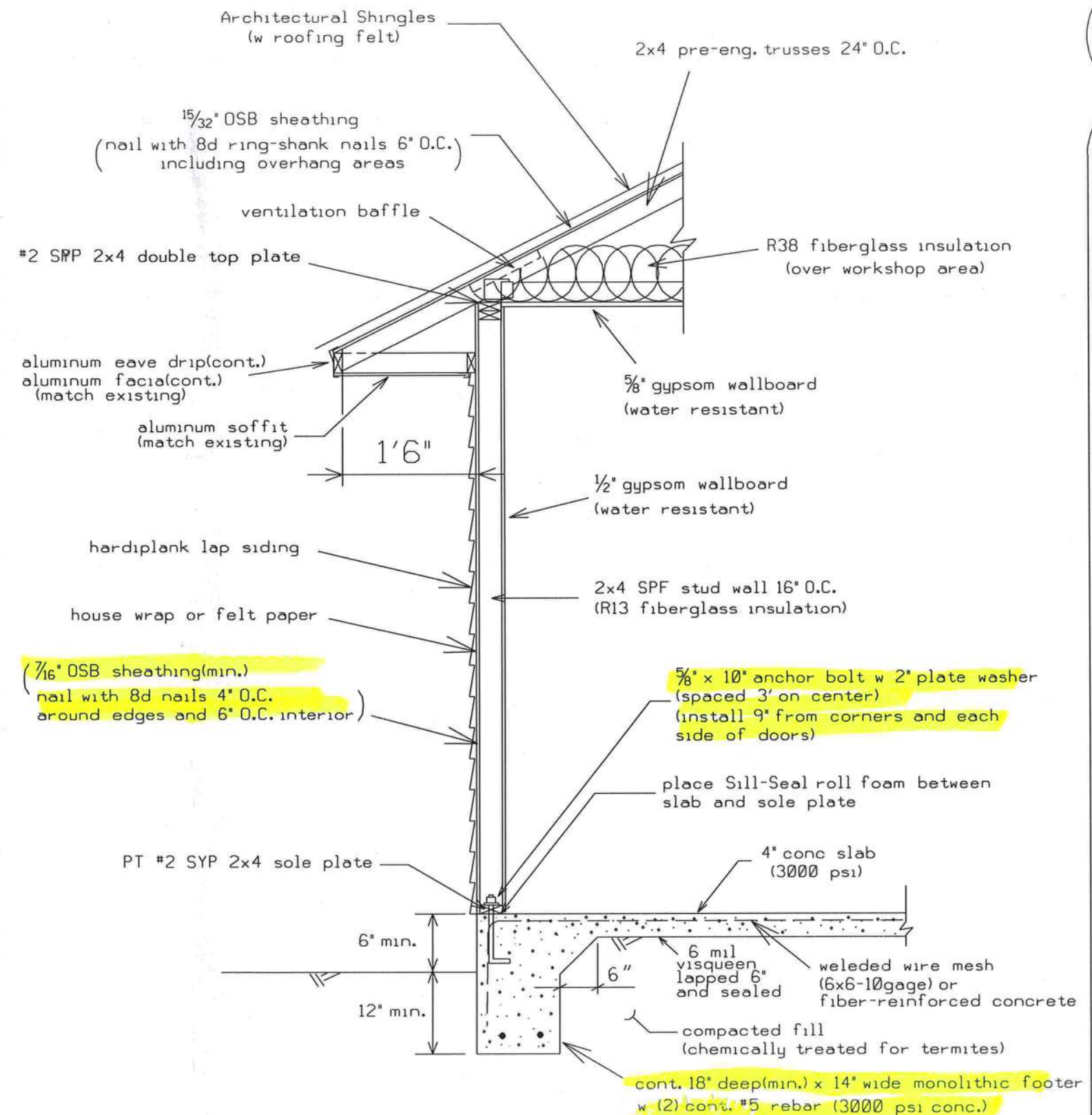
GABLE END BRACING:

(See Gable End Bracing Detail)

CARPORT CEILING:

Install 1x4 SPF lathes 16" on center nailed to roof trusses with 2-8d nails at each location and install solid vinyl soffit material.

Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.



DETAIL A - WALL TYPICAL (N.T.S.)

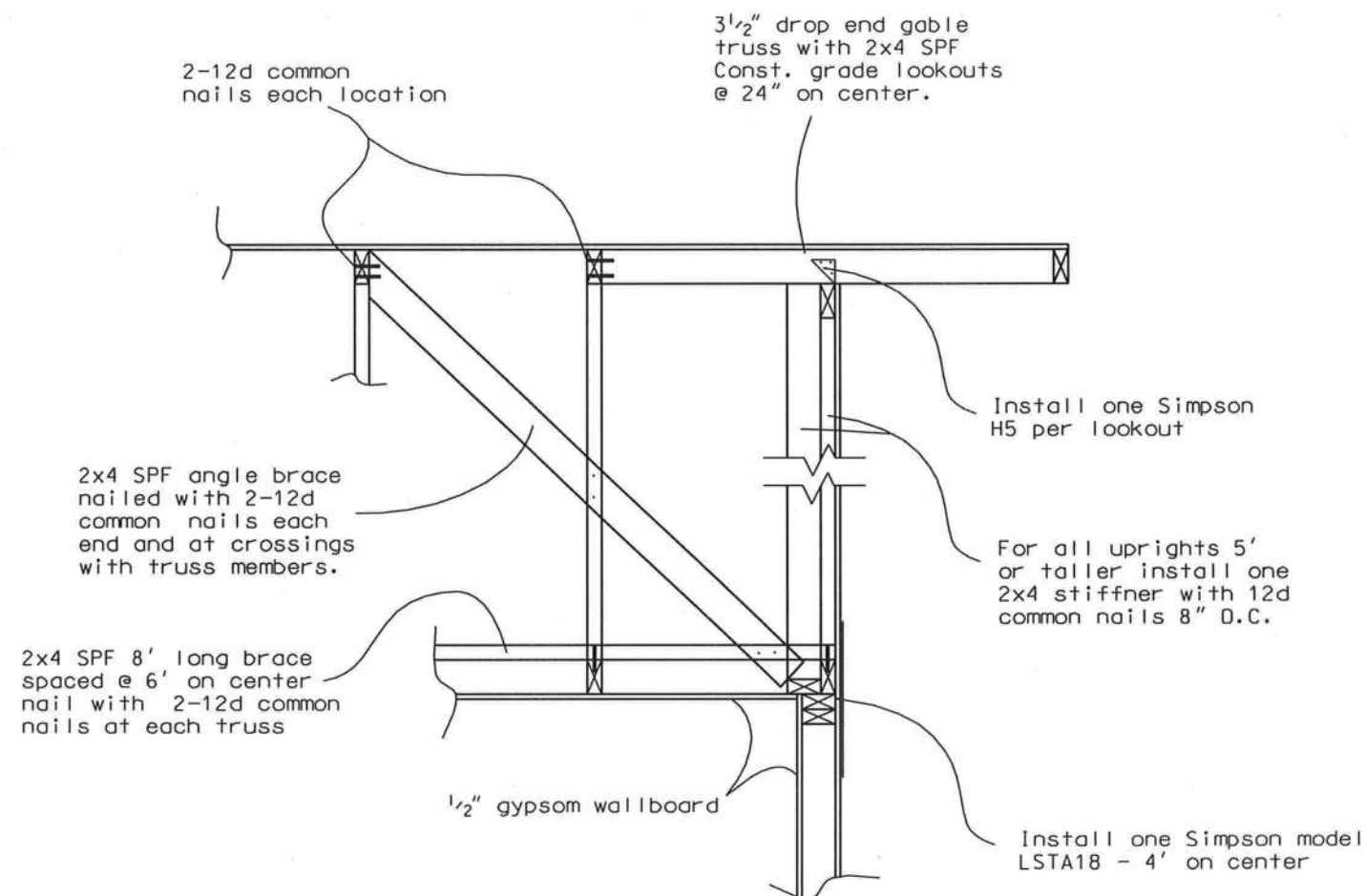
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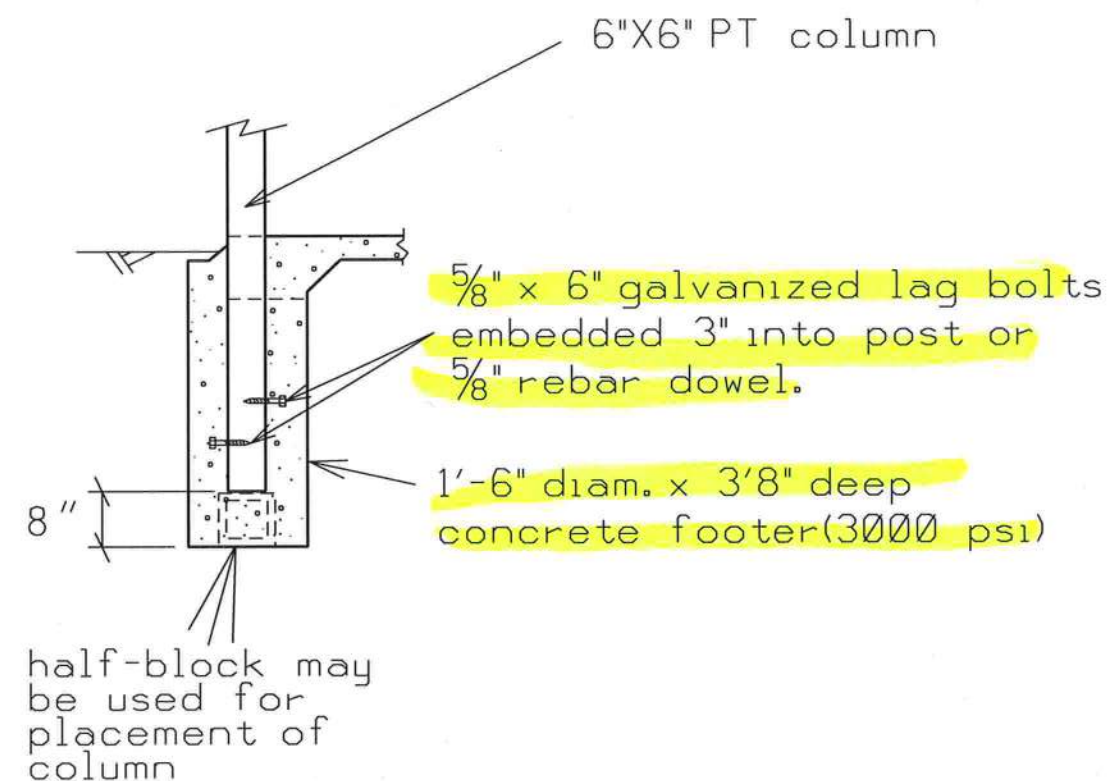
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GABLE END BRACING
DETAIL (N.T.S.)



CARPORT COLUMN
FOOTER DETAIL (N.T.S.)

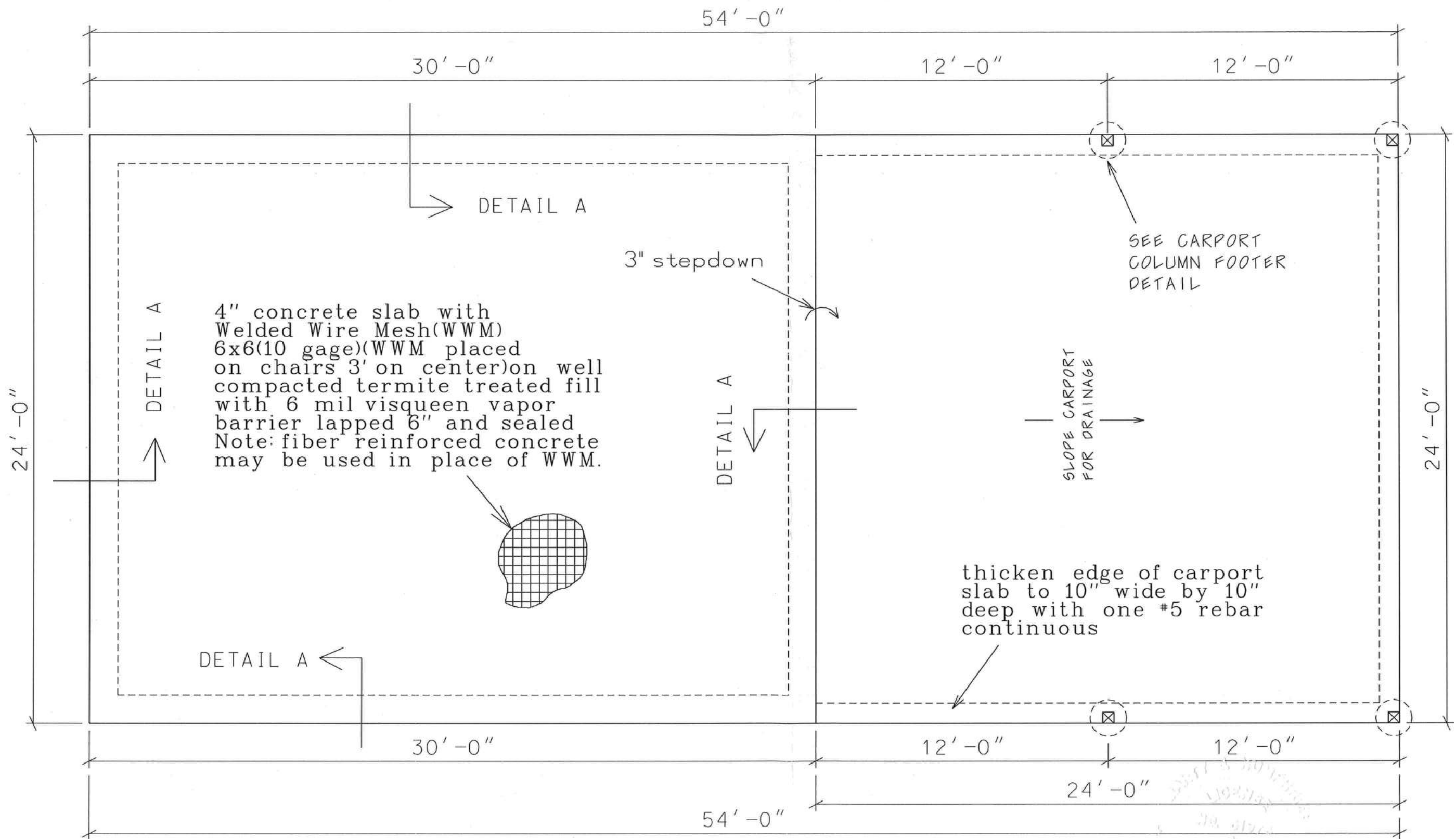
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FOUNDATION PLAN

0 2' 4'
scale

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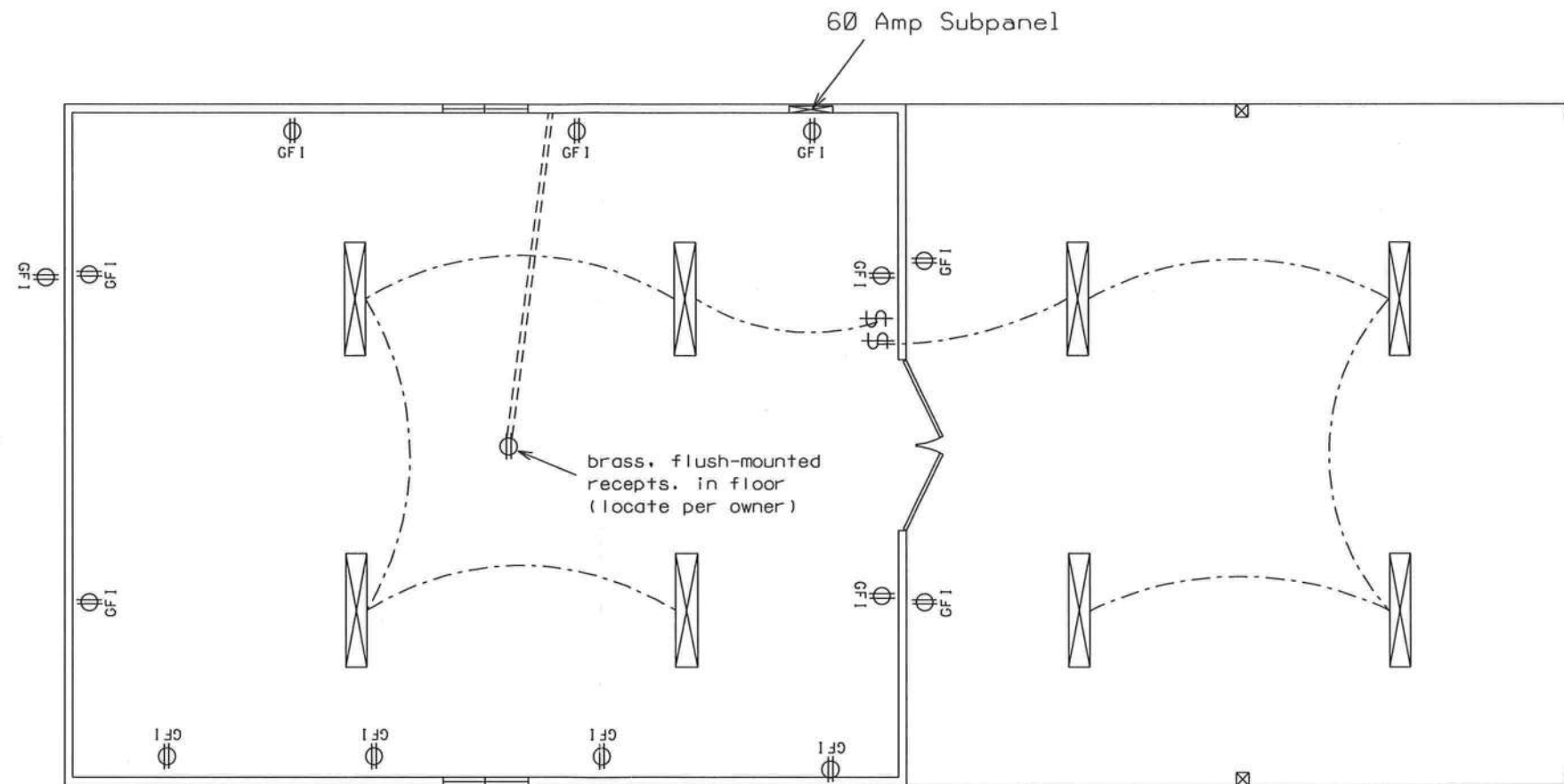
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ELECTRICAL LEGEND

-  - LED SHOP LIGHT FIXTURE
 \$ - SINGLE POLE SWITCH
 - GFI RECEPT OR PART OF A GFI CIRCUIT.

NOTES:

- 1.) ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.
- 2.) 60 AMP SUBPANEL FED FROM EXISTING HOME SERVICE PANEL



ELECTRICAL PLAN (N.T.S.)


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