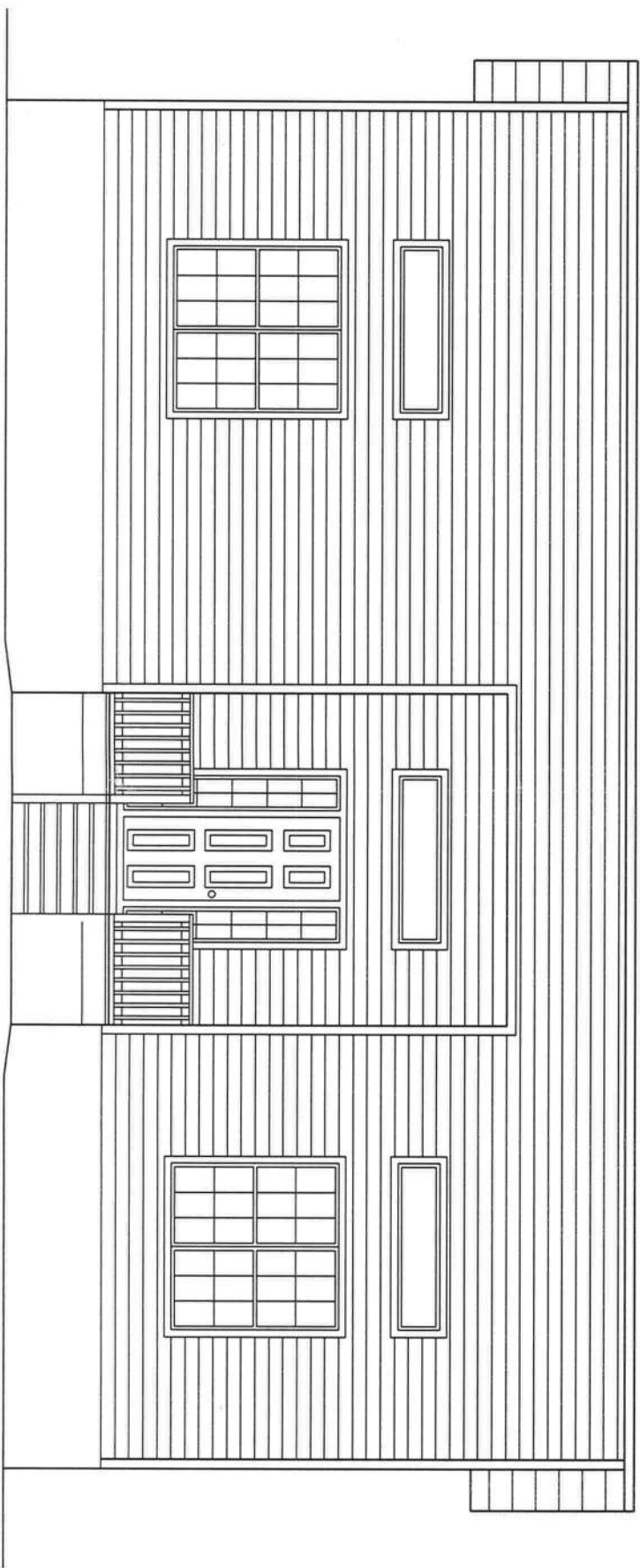


RIGHT ELEVATION

0 3' 6'  
scale



FRONT ELEVATION

0 3' 6'  
scale

BLACKWELL RESIDENCE PLANS  
COLUMBIA COUNTY, FL

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



SHEET  
3  
OF  
10

WINDLOAD DATA AND EXPOSURE:  
(Designed in accordance with the 2020 FBC):

Basic Wind Speed = 130 mph Vult.  
Importance Factor = 1.0  
Exposure Category = B  
Residential Occupancy = Group R3  
Mean Roof Height = 19'  
Height and Exposure Adjustment Coefficient = 1.0  
Roof Cross Slope = 2:12  
Eave Overhang: 1'6"  
Wall Height = 10' at rear to 15' at front (varies)  
Risk Category = II  
Component and Cladding Pressures = Roof(Zone 1=13.6,-26.0, Zone 2=13.6,-26.0, Zone 3=13.6,-41.4), Wall(Zone 4=18.2,-19.8, Zone 5=18.2,-24.4)(units are psf)

TRUSS ANCHORS:

Install Simpson H10A anchor at each truss to top plate location.  
(see gable bracing detail for additional strapping)

ROOF SHEATHING:

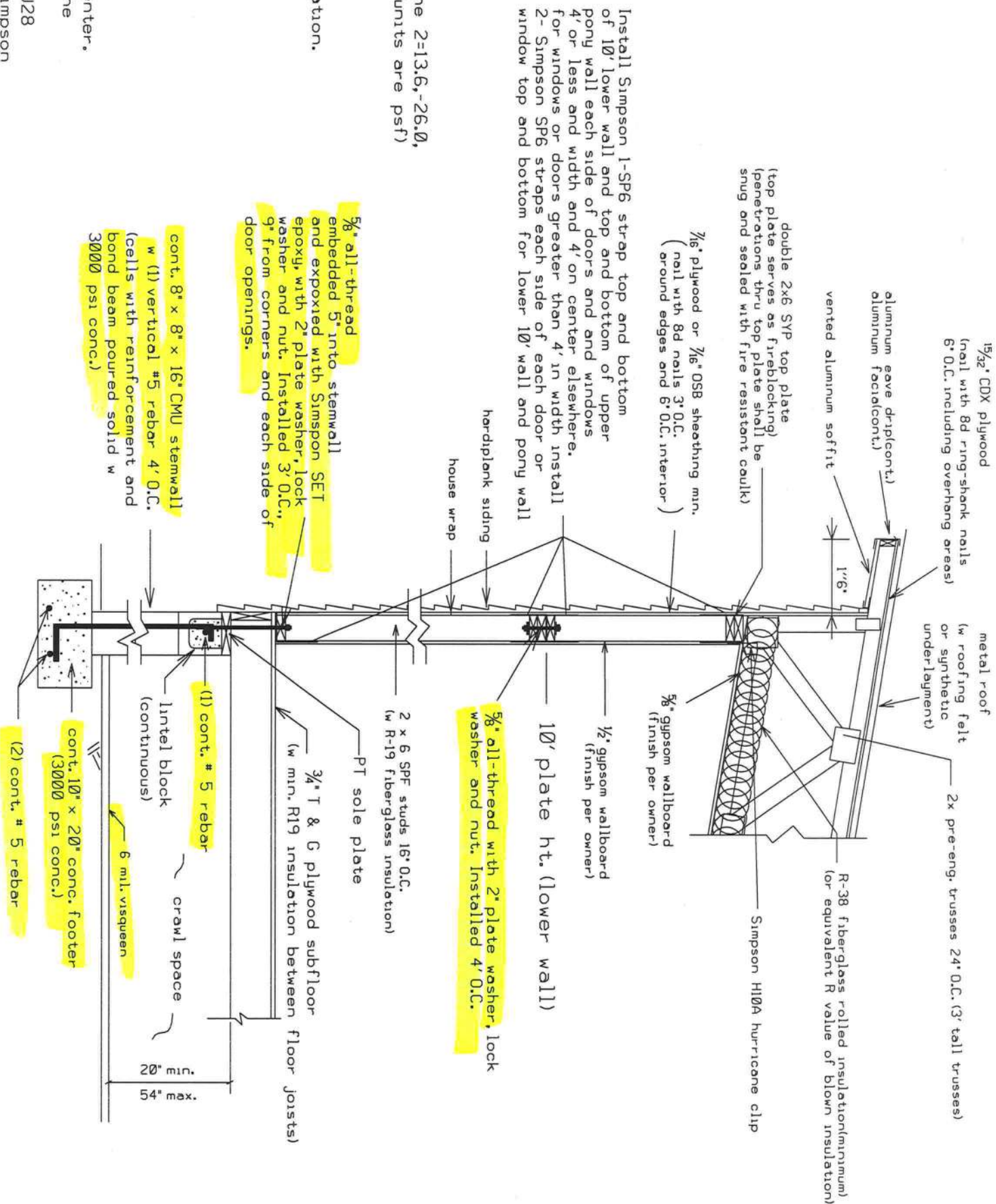
Shall be 1/2" CDX plywood 8d ring-shank nails 6" on center including overhang areas.

REAR PORCH ROOF FRAMING:

Rear porch rafters shall be #2 SYP 2x8 rafters at 2' on center.  
Install #2 SYP 2x4 roof supports upright perpendicular to the rafters 2' on center and cantilever 1'6" past edges. Connect to rafters with two #9 x 3.5" deck screws. Install Simpson LU28 hanger at home and connect rafters to porch header with Simpson H2.5A hurricane clip.

6x6 REAR PORCH COLUMNS:

Notch column to receive header and install 2-5/8" galvanized carriage bolts.  
(see details for column foundation requirements)



TYPICAL WALL DETAIL (N.T.S.)

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

WINDOW AND DOOR OPENINGS: 2 - #2 SYP 2X10'S w #2 SYP 2X6 top and bottom to form a box header, nail w 12d nails 8" O.C.

PORCH BEAMS SHALL BE: 2 - #2 SYP 2X12'S w 1/2" plywood or OSB between nail w 4-12d nails 10" O.C.

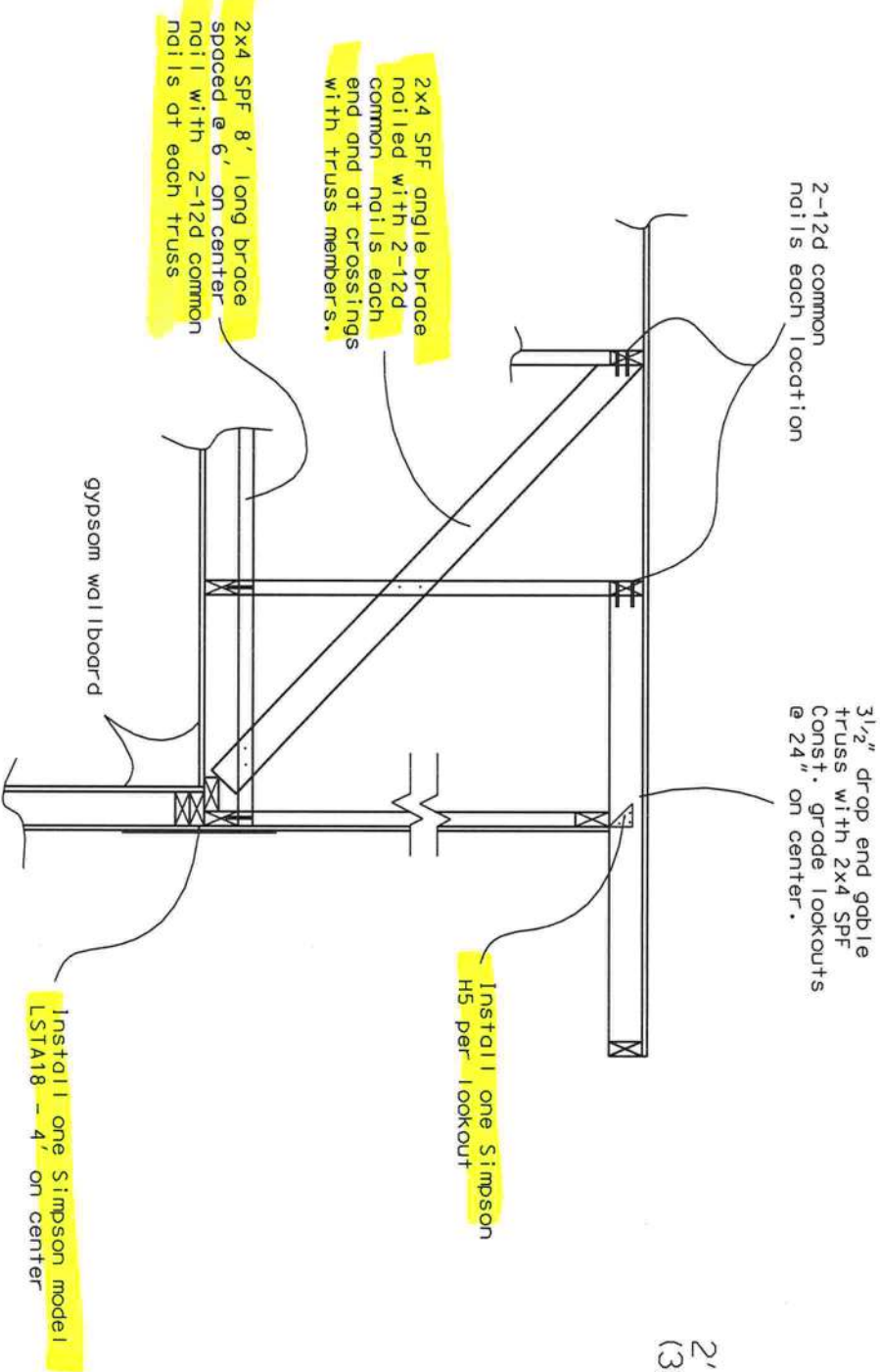
SYP = SOUTHERN YELLOW PINE

B

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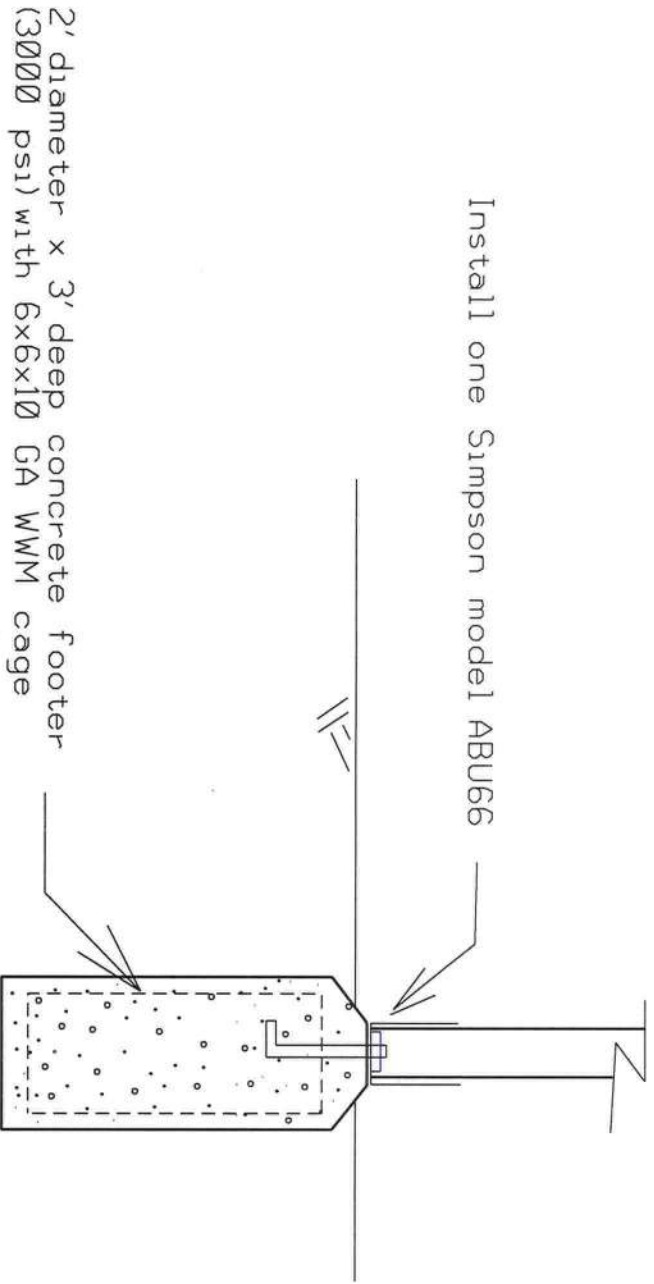
BLACKWELL RESIDENCE PLANS  
COLUMBIA COUNTY, FL

SHEET  
5  
OF  
10

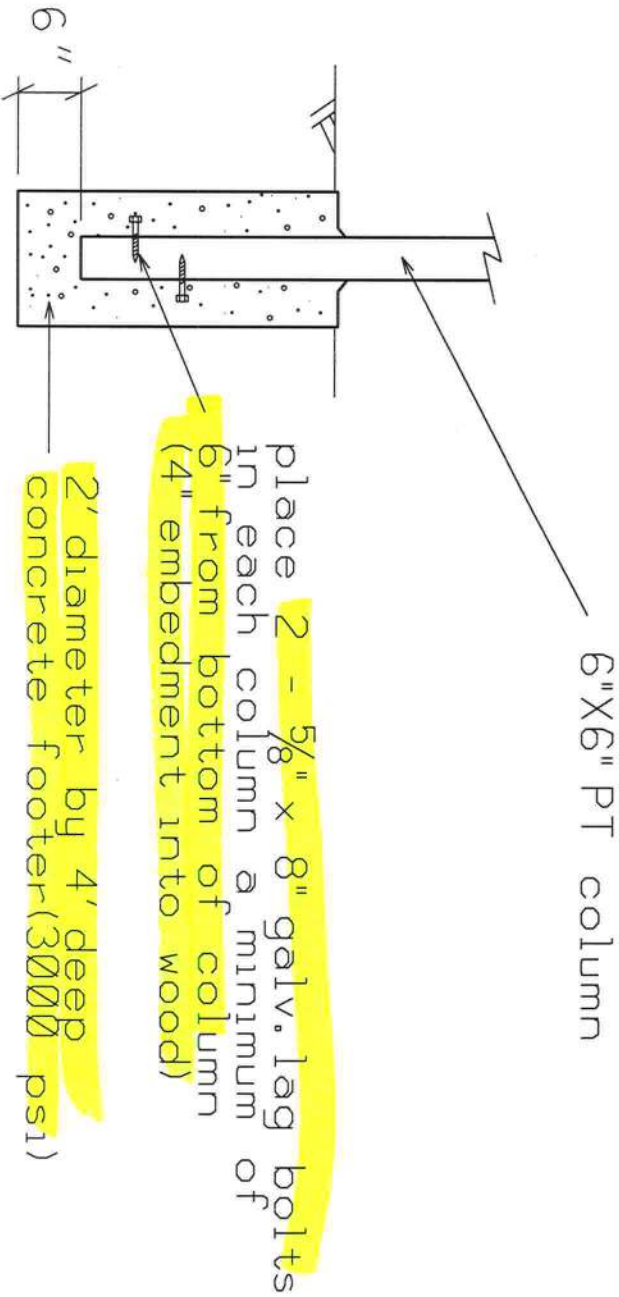


**CABLE END BRACING  
DETAIL (N.T.S.)**

NOTE: Gable end trusses shall be dropped 3 1/2" for construction of lookouts & overhang. Gable end trusses shall be constructed with vertical members 2' on center to receive sheathing.



**OPTIONAL DECK COLUMN FOOTER  
DETAIL (N.T.S.)**



**REAR DECK COLUMN  
FOOTER DETAIL (N.T.S.)**