

# SELLERS COVERED PORCH ADDITION COLUMBIA COUNTY, FL

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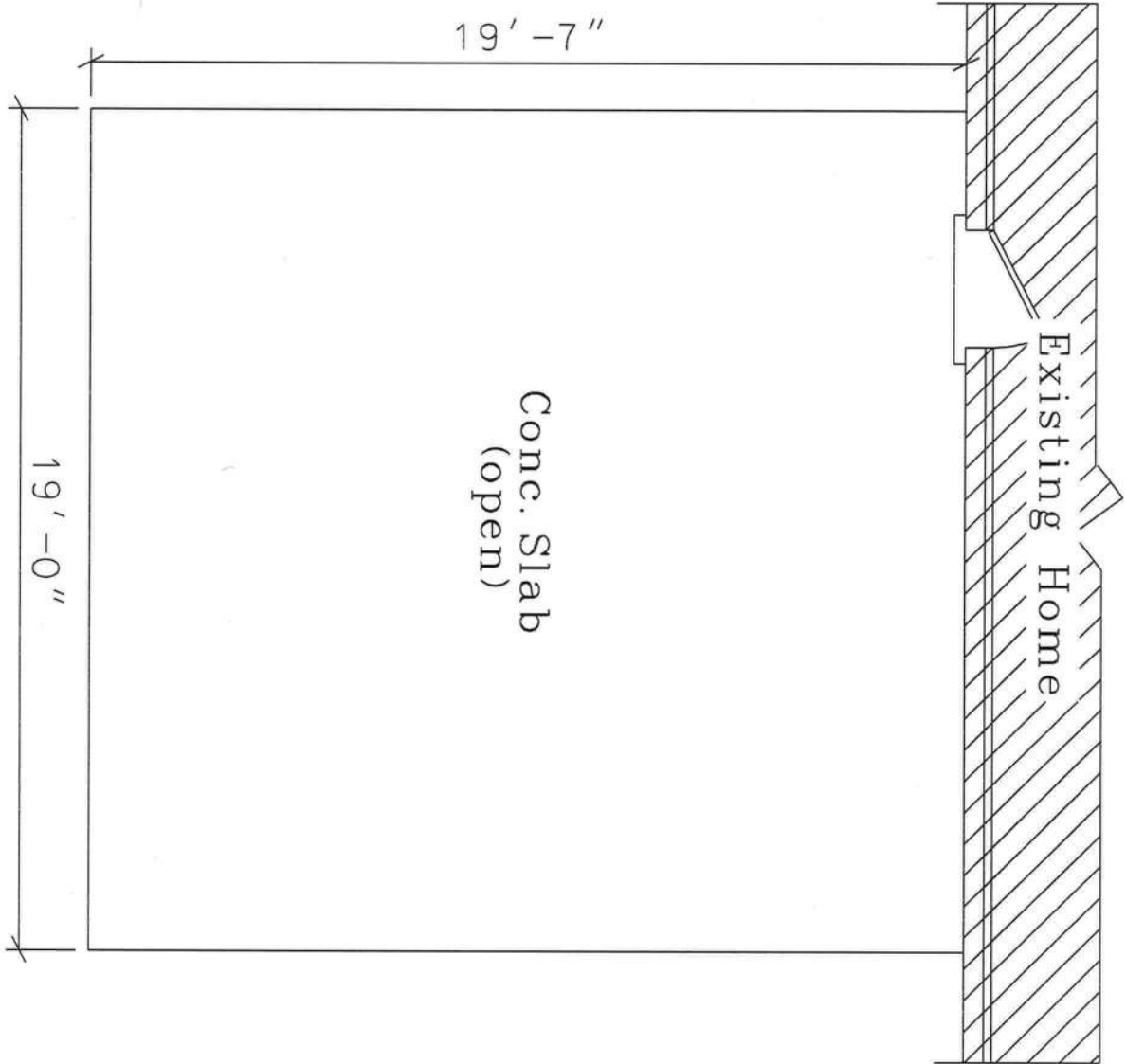
SELLERS  
COVERED PORCH ADDITION  
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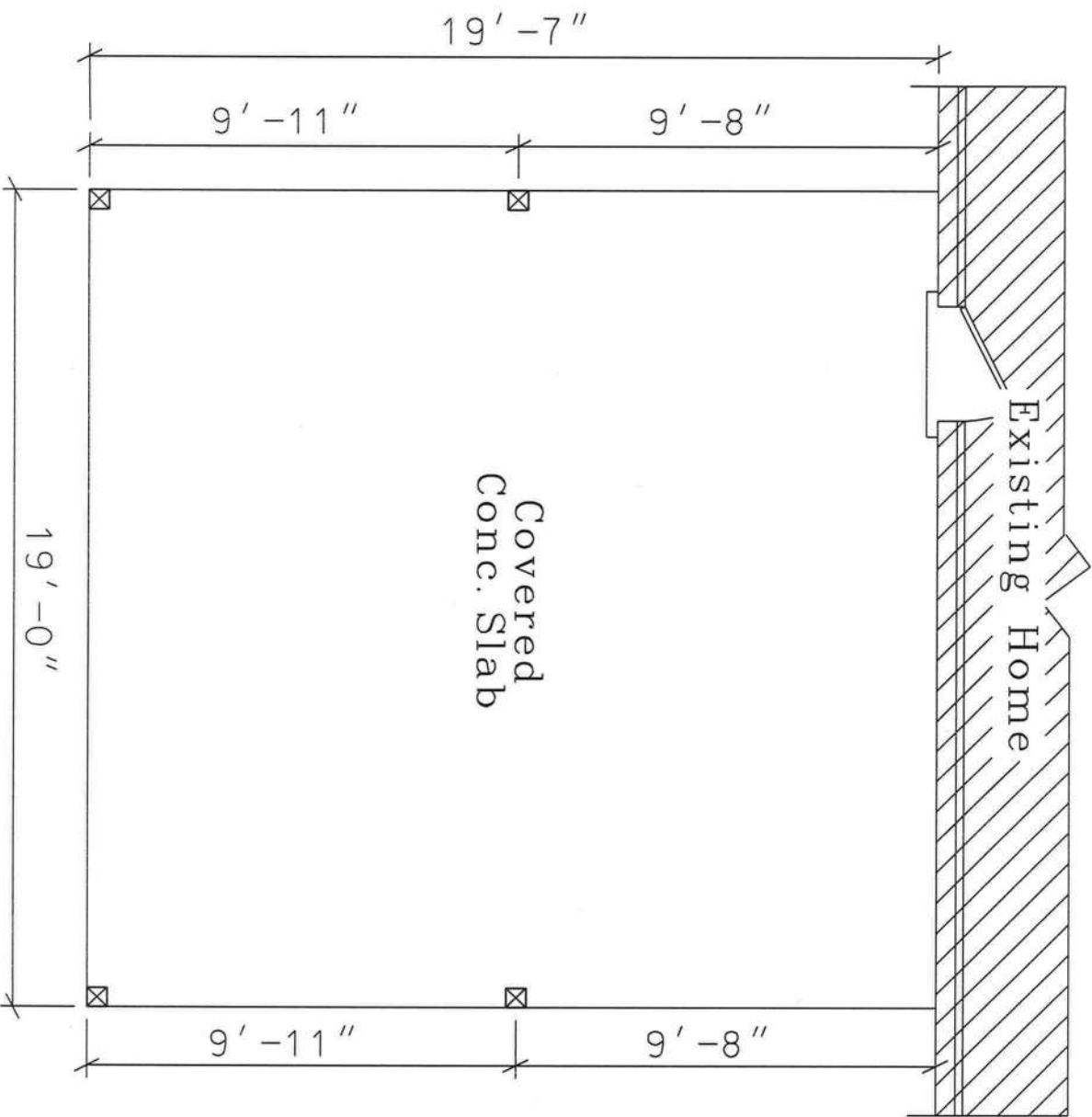
*Marty J. Humphries*  
2-4-22

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# FLOOR PLAN (existing)



# FLOOR PLAN (proposed)



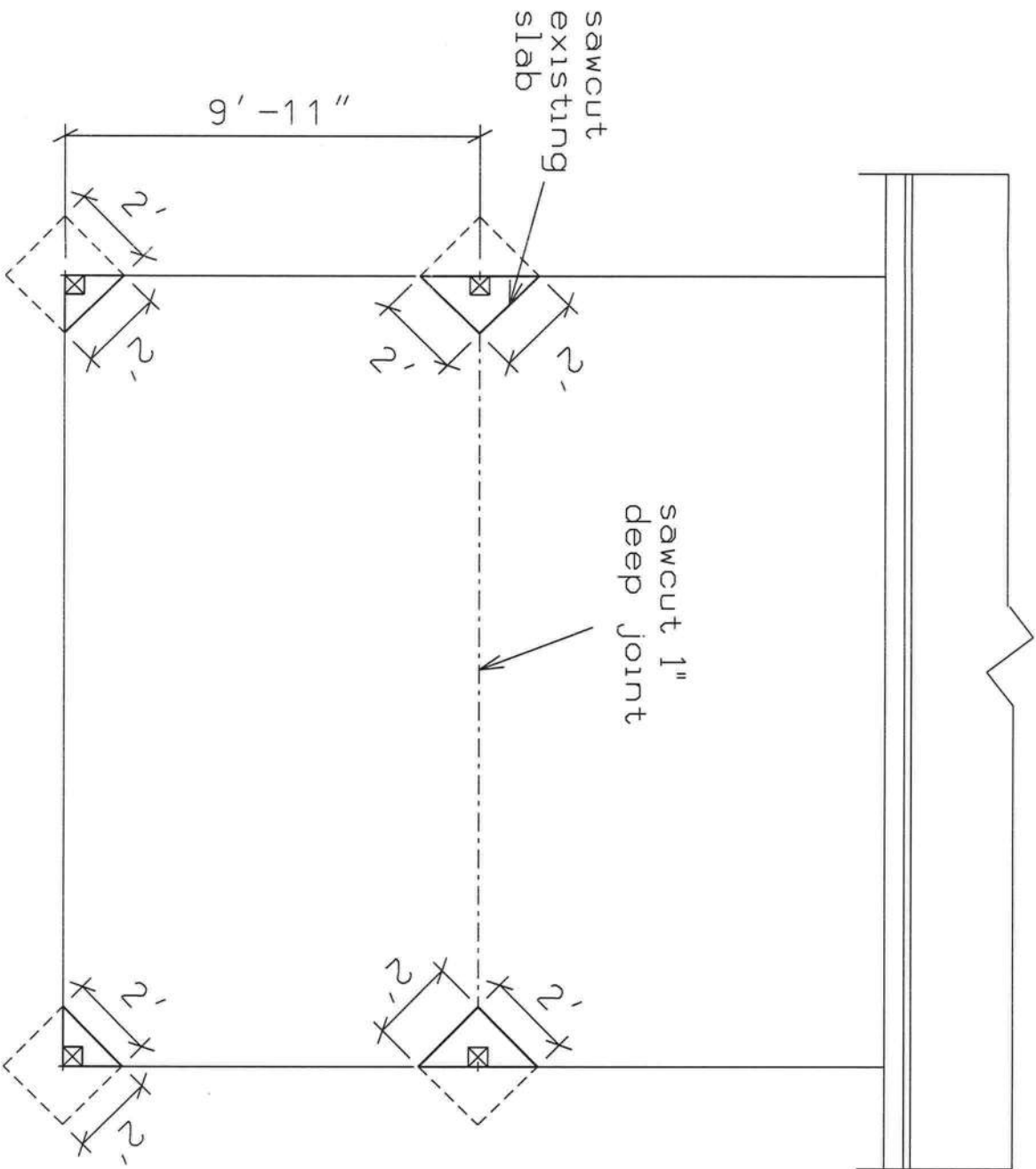
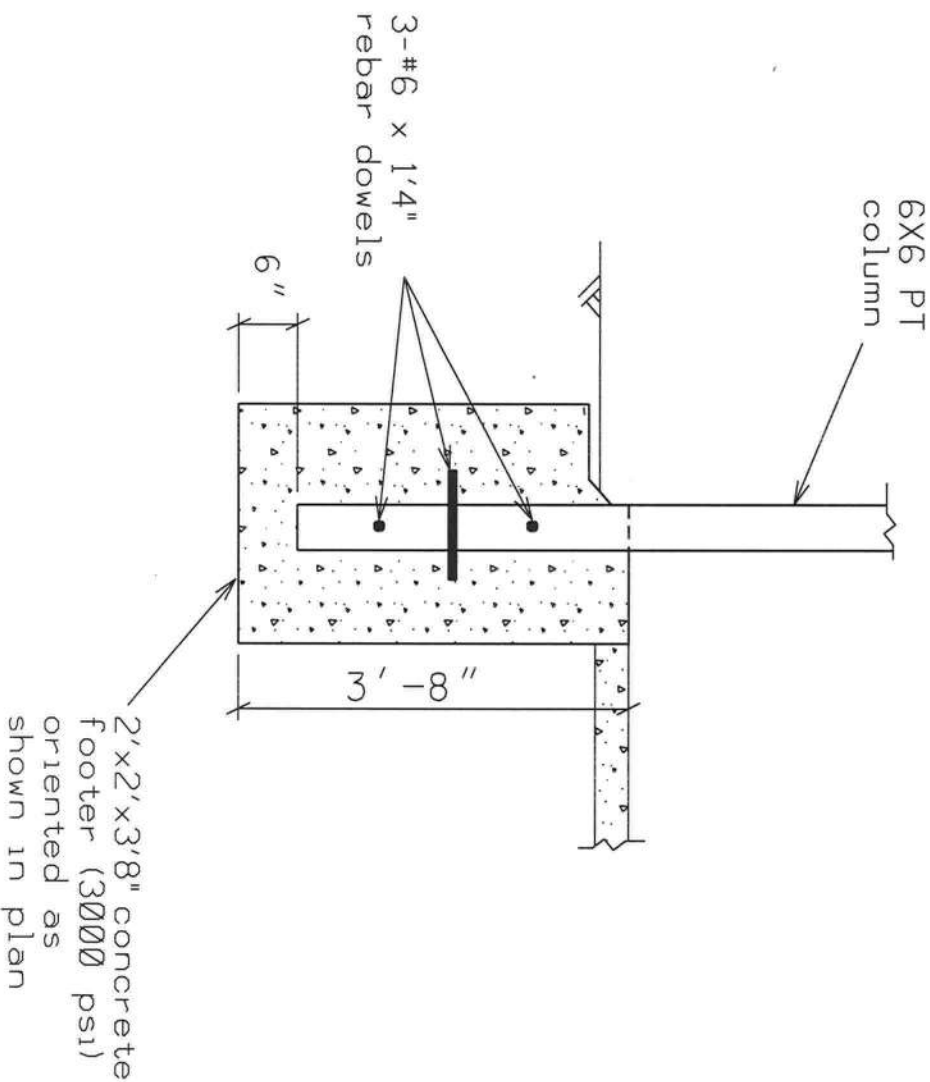
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# COLUMN FOOTER DETAIL (N.T.S.)



## FOUNDATION PLAN

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2-4-22





STRAPPING AND ANCHOR REQUIREMENTS

(Designed in accordance with the 2020 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 = 13'  
Height and Exposure Adjustment Coefficient = 1.0  
Roof Cross Slope = 6:12  
Wall Height = 8' (home)  
Risk Category = II  
Component and Cladding Pressures = Roof (Zone 1=11.6,-22.1, Zone 2=11.6,-35.3, Zone 3=11.6,-41.9), Wall (Zone 4=15.5,-16.9, Zone 5=15.5,-20.8)(units are psf)

RAFTER ANCHORS:

At Rafter to porch beam locations:  
install one Simpson Model H10A anchor for all rafters.

ROOF SHEETING:

Roof sheathing shall be 15/32" OSB sheathing nailed with 8d ring-shank nails at 6" on center.

CABLE END SHEATHING:

Sheathing shall be 7/16" OSB nailed with 8d nails 4" around edges and 8" interior with vertical supports 16" on center

PORCH CEILINGS:

Install 1x4 SPF lathes 16" on center nailed to trusses with 2-8d nails or install 7/16" OSB sheathing nailed with 8d nails 6" on center and cover vinyl soffit material.

PORCH COLUMNS:

Notch column to receive header and bolt with two 3/4" galvanized carriage bolts. See Foundation details for footer.

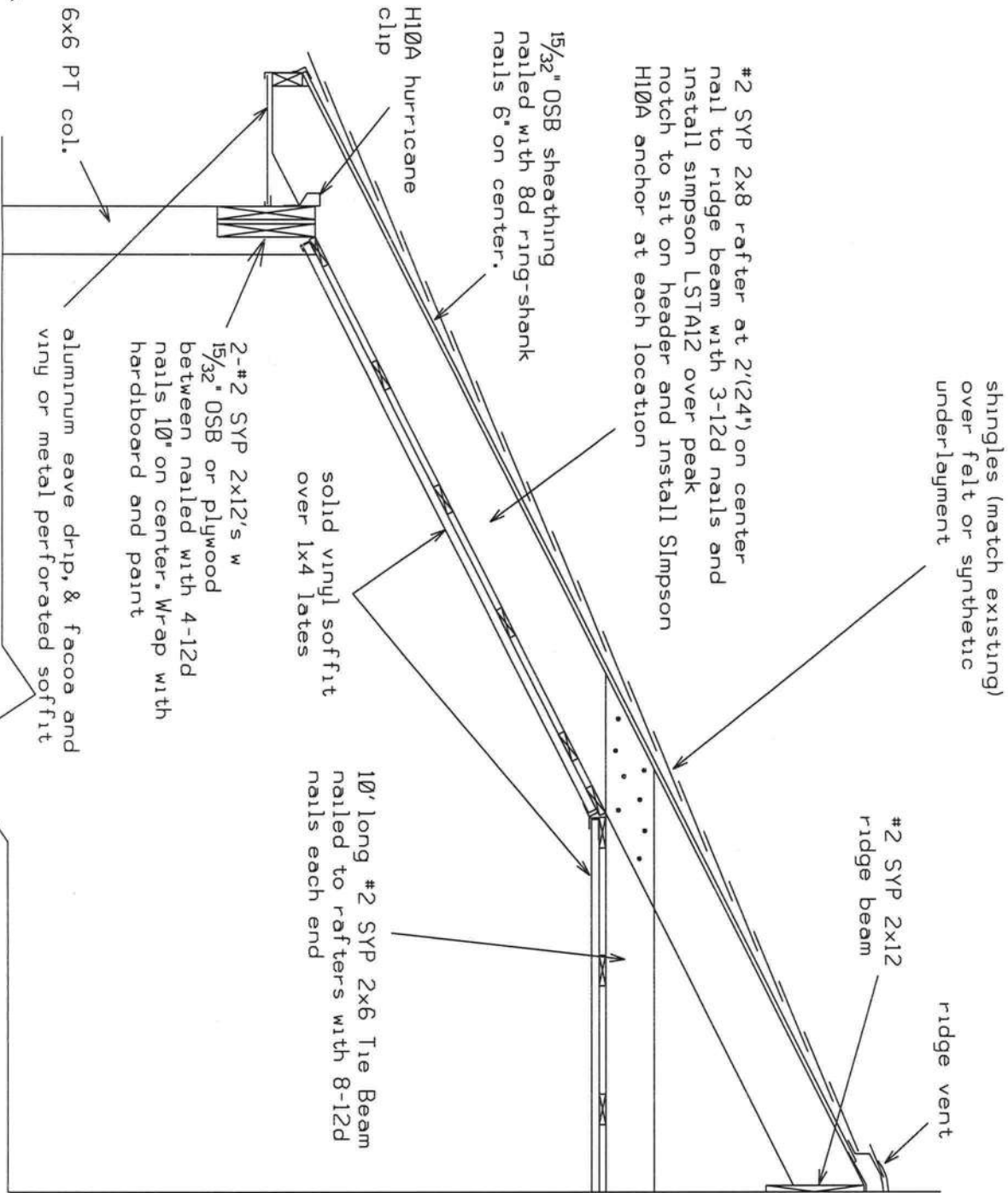
PORCH HEADERS:

Porch Header shall be 2-#2 SYP 2x12's with 15/32" OSB or plywood between nailed with 4-12d nails 10" on center. Notch 6x6 column to received header and bolt with 2-3/4" galvanized carriage bolts. At full brick wall (Norwegian) install Simpson HUC0412 hanger.

VALLEY FRAMING TO EXISTING ROOF:

Install #2 SYP 2x6 ledger board where roof rafters connect to roof. Connect ledger to each truss with 2 Simpson 1/4" x 4" SDS screws. Install 2x6 rafters 2' on center with 2x8 ridge rafter, nail rafters to ridge rafter with 3-16d nails and install Simpson LSTA12 over peak. Connect rafters to ledger board with Simpson VTCR and install #2 SYP 2x4 vertical supports no more than 8' on center supporting rafters. Connected at bottom to truss/roof decking with Simpson VTCR and at top to rafter with Simpson LSTA12 strap.

Detail - Half Section of Roof Framing (N.T.S.)



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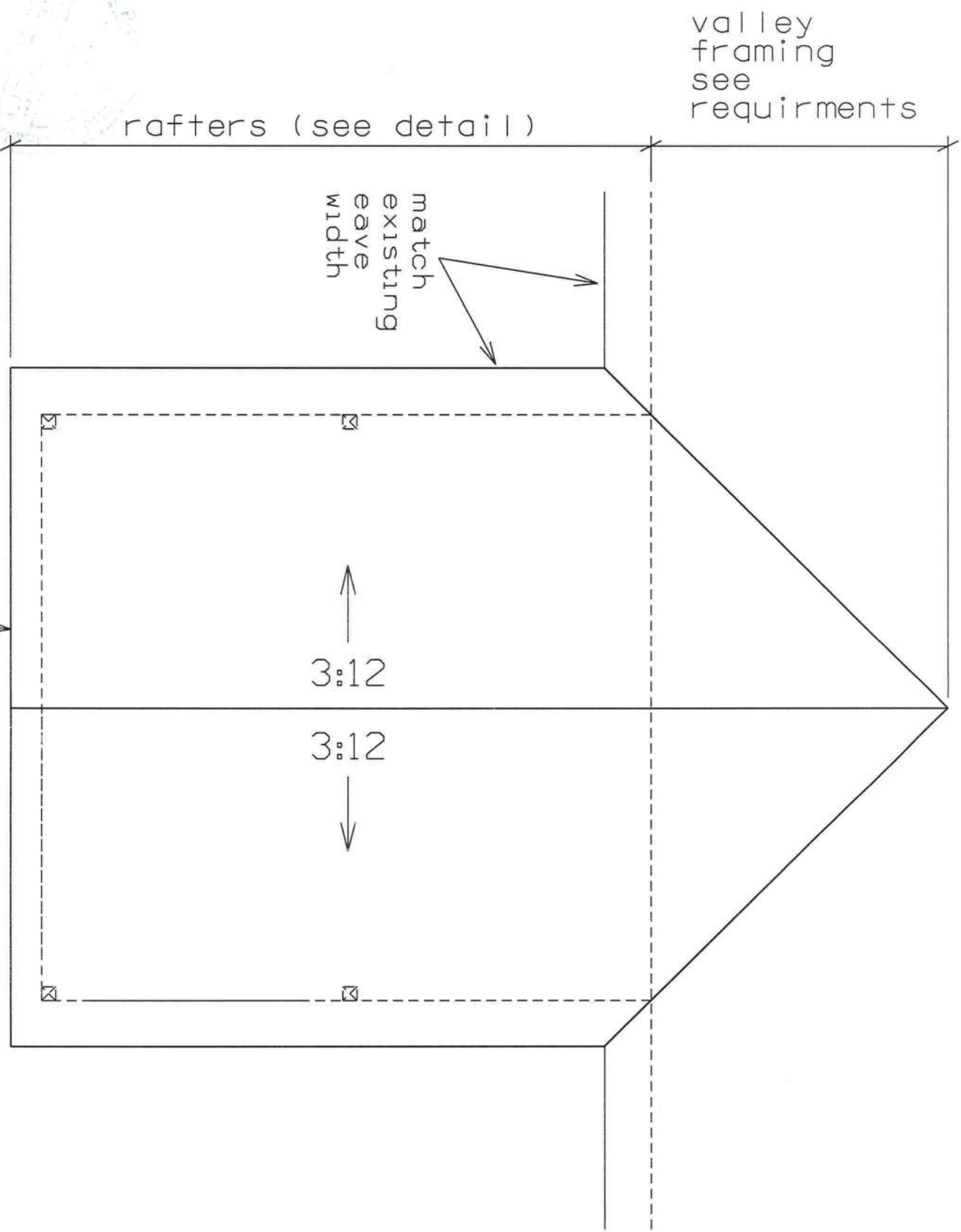
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Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.

MJB 5/2  
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ladder-box frame 1' eave with #2 SPF 2x4's 16" on center front and back runner, connect 2x's with 2 #10 x 3" deck screws at each connection, connect box to double end rafter with 2 #10 x 3" deck screws, 16" on center.

ROOF PLAN (N.T.S.)

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