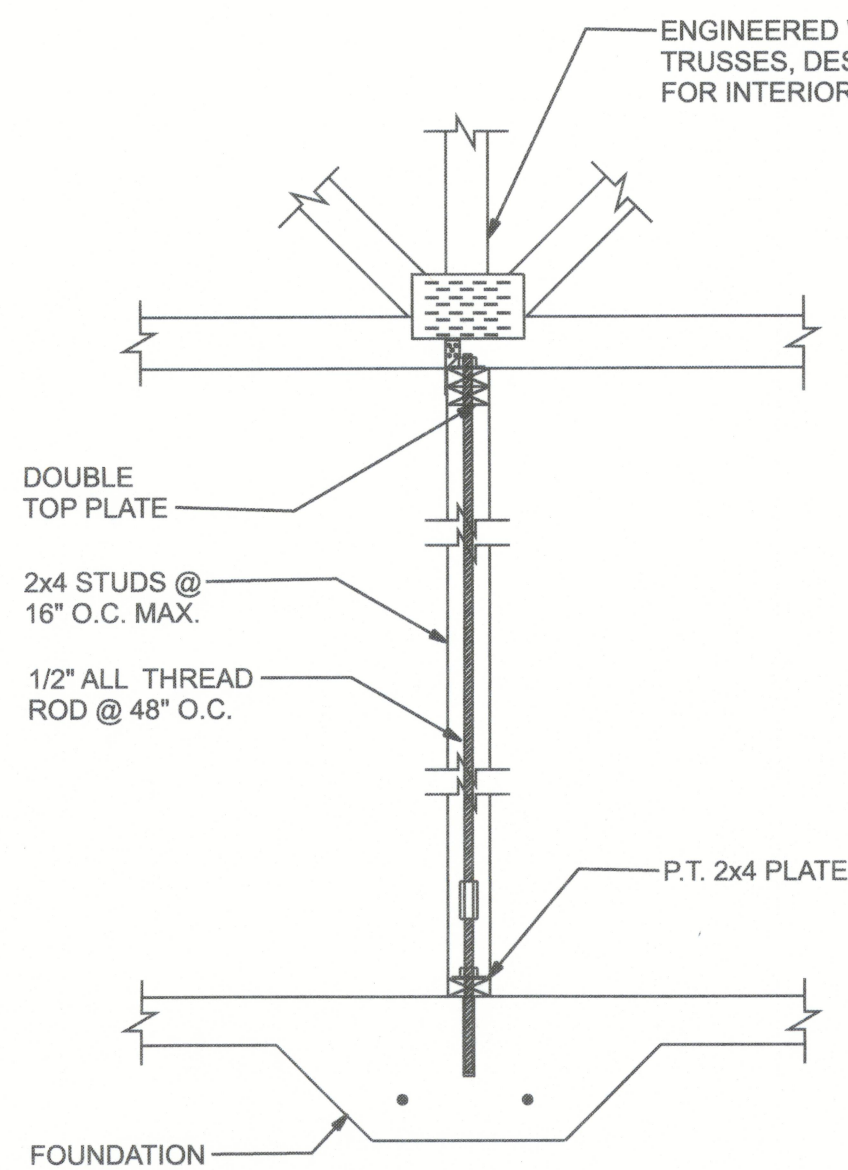


## SHEARWALL DETAILS

SCALE: 1/2" = 1'-0"

## BLOCKING SECTION

SCALE: 3/4" = 1'-0"

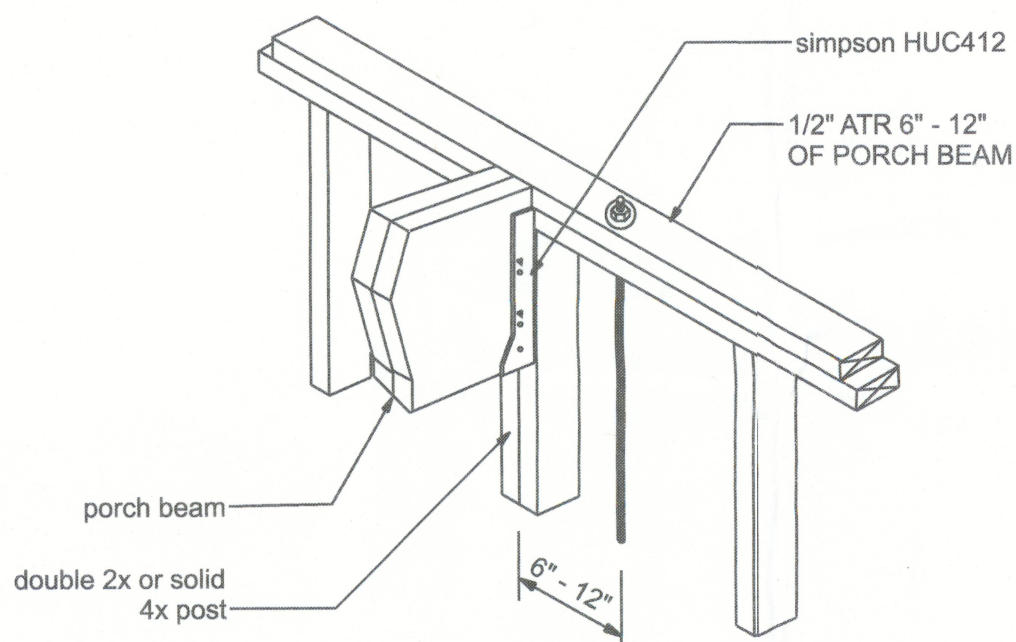


## INTERIOR BRG. WALL DETAIL

NOTE:  
ALL WALLS SHALL BE SHEATHED WITH WINDSTORM  
FULL HEIGHT SHEATHING, 8'-1 1/8" AND 9'-4" TALL.

## ALL THREAD @ PORCH BEAM

NTS



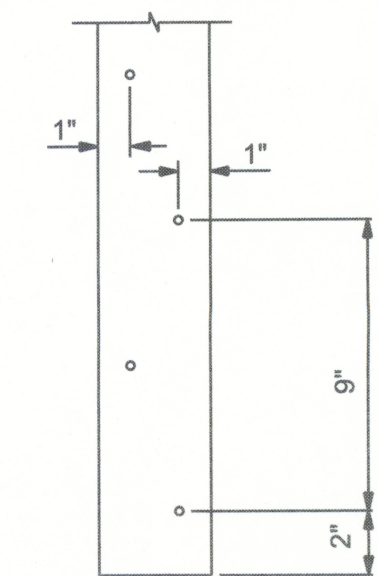
### SHEARWALL NOTES:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305.4.3.
- THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
- ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
- NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.

TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 ie. FOR 8'-0" WALLS - (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

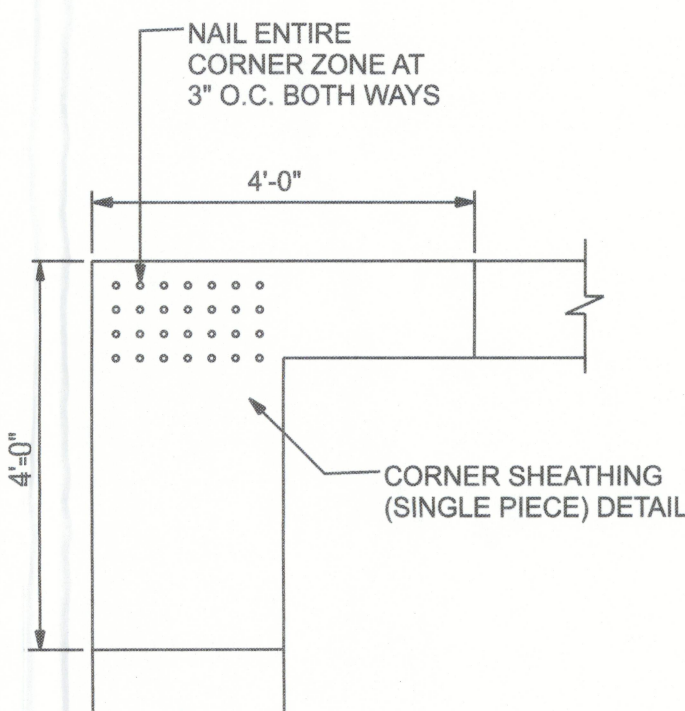
NOTE:  
A SOLID MEMBER OF EQUAL OR GREATER SIZE THAN MULTIPLE MEMBERS MAY BE USED.  
IF RATED SHEATHING IS APPLIED TO NARROW EDGES, NAILED TO EACH STUD AT 12" O.C. MAXIMUM, THE LAMINATION NAILING SHOWN HERE IS NOT REQUIRED.



## GIRDER COLUMN DETAIL

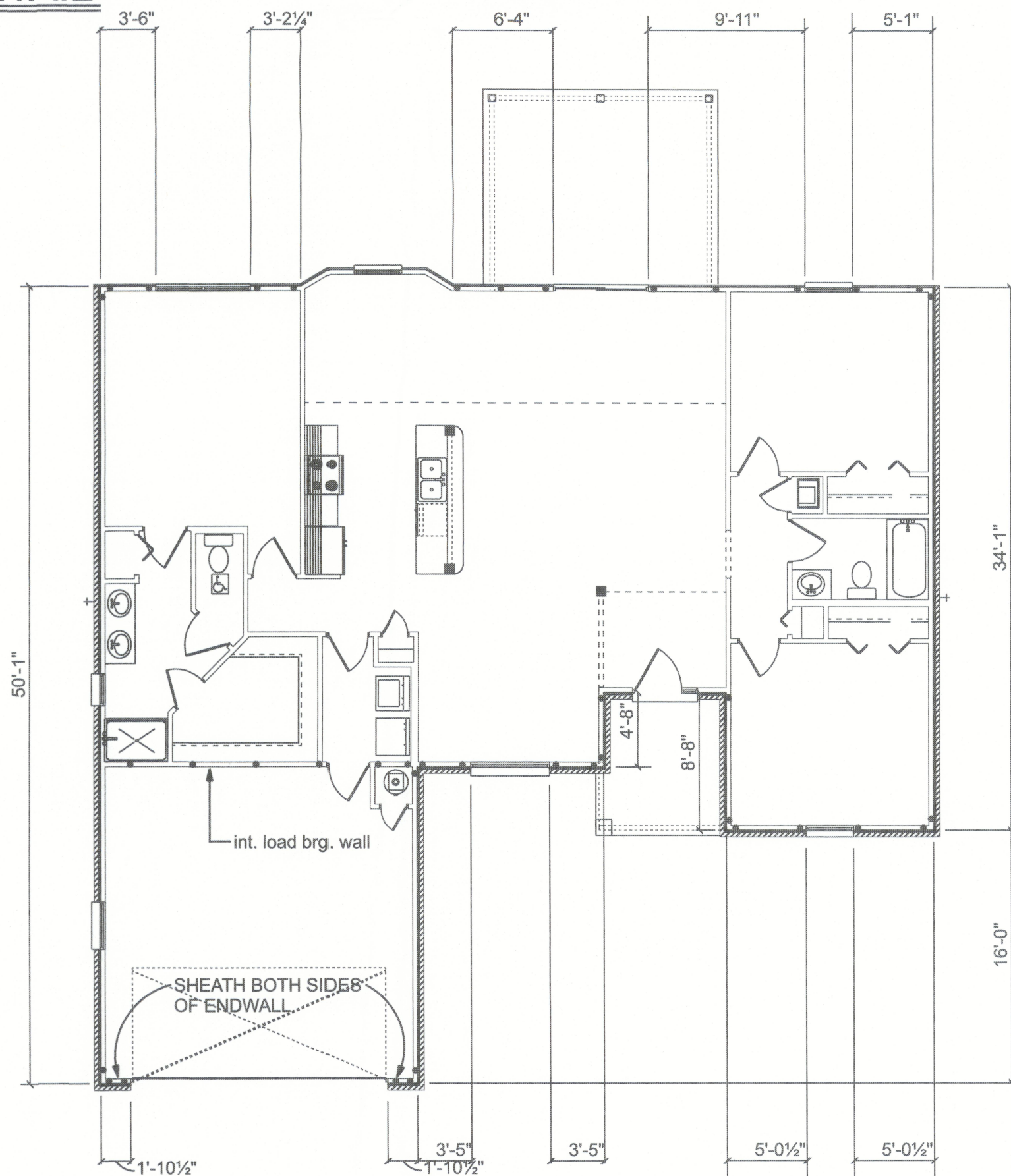
SCALE: 1/2" = 1'-0"

NOTE:  
SHEATHING ON BOTH SIDES OF WALL  
DOUBLES THE EFFECTIVE SHEARWALL LENGTH



## GARAGE ENDWALL DETAILS

SCALE: 1/2" = 1'-0"



## SHEARWALL LAYOUT

SCALE: 1/8" = 1'-0"

## DOUBLE NAIL EDGE SPACING TOP AND BOTTOM PLATE

UPLIFT CAPACITY = 474 plf  
(TABLE 305S1 SSTD10-99)

### RULES:

- One all-thread rod at each corner.
- One all-thread rod at each end of shearwalls.
- One all-thread rod at each end of opening headers greater than 3'-0"
- Check sub-sheathing to top plate connection for horizontal transfer capability.
- If necessary, add all-thread rods to girders individually to exclude the from average uplift plf.
- Check sole plate to slab connection, additional anchors may be required for lateral and shear load transfer.

Connection Type	Allowable Value
Foundation / S.Y.P. Top Plate	3840 lbs.
Foundation / Spruce-Pine-Fir Top Plate	3840 lbs.
Lintel or Bond Beam / S.Y.P. Top Plate	3840 lbs.
Lintel or Bond Beam / Spruce-Pine-Fir Top Plate	3840 lbs.

### Placement at slab level:

#### Corners

When presetting the all-thread rod at a building corner, the rod should be placed 8 to 12 inches away from the corner so it does not set under the corner framing members. When a all-thread rod is specified at a building corner, it may be placed on either side of the corner.

#### Header ends

When presetting the all-thread rod at a header end, the rod should be placed 8 to 12 inches away from the header end so it does not fall under the stud pack framing members.

#### Top Connections

Top connections made at corners and header ends shall be made within 2 inches of the framing pack. A nut and 3X3 washer shall be applied to the top plates and tightened securely.

#### Intermediate Coupler Connections

When using the rod coupler, care should be taken to ensure full and equal thread engagement. This is easily achieved by threading the coupler all the way onto the rod, then standing the two rods end to end, then threading the coupler back over the rod joint so each rod is halfway into the coupler.

#### Retro-fit

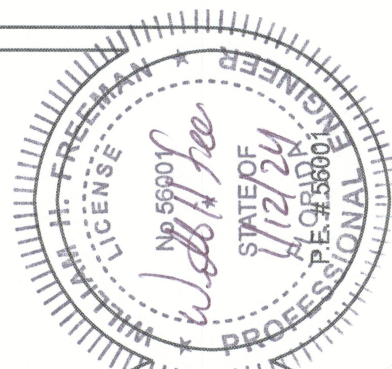
In the case of an all thread rod misplacement, the rod may be epoxied into the concrete.

#### Sole plate to slab connection:

The slab level sole plate shall be connected to the slab with the connectors specified and at the spacing specified within the design documents. All-thread rods shall be placed as per the design specifications. All-thread rods with a nut and washer at the sole plate will qualify as a sole plate connection but may require other anchors intermediate of the all-thread rod locations to qualify the specified spacing requirements.

#### System Tightening:

On multiple story applications, the all-thread rod system shall be rechecked for proper tension just before the walls are veneered. This will allow the all-thread rod system to compensate for the buildings dead load compression.



LOT 58 CROSSWINDS SUBDIVISION

SHEARWALL DETAILS

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DATE  
1/11/24

DRAWN BY  
W.H.F.

APPROVED  
W.H.F.

REVISIONS

SHEET  
A-8

OF  
9

PROJECT NO.  
23.R060