

3. 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

-NUT & WASHER - 1/2" nut must be zinc plated and conform to ASTM A36 and A307 standards. 3"X3" washer must be zinc plated -ROD - 1/2" all-thread rod must be zinc plated and conform to ASTM A36 and A307 standards -COUPLER (optional) - 1/2" x 1-1/2" zinc plated, must conform to ASTM A36 and A307 standards -NUT & WASHER - 1/2" nut must be zinc plated and conform to ASTM A36 and A307 standards. 2"X2" washer must be zinc plated mpson ET22 - drill 5/8" hole in foundation to depth OF 5" @ a mininium of 1-3/4" from side and 5" from end of footing. Fill with epoxy half hole depth.

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"

END (TOP OR BOTTOM)

4x post-

A SOLID MEMBER OF EQUAL OR

GREATER SIZE THAN MULTIPLE

IF RATED SHEATHING IS APPLIED

MEMBERS MAY BE USED.

SHEATHING ON BOTH SIDES OF WALL DOUBLES THE EFFECTIVE SHEARWALL LENGTH -NAIL ENTIRE CORNER ZONE AT 3" O.C. BOTH WAYS 4'-0" 0 0 0 0 0 0 0 0000000 0000000 -CORNER SHEATHING (SINGLE PIECE) DETAIL

GARAGE ENDWALL DETAILS

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

1/2" all thread rod location

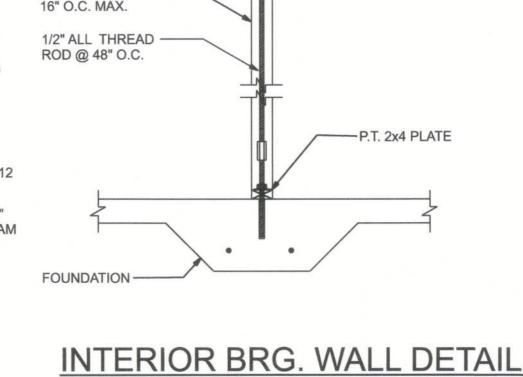
sides of

4'-11/2" 5'-5" SHEARWALL LAYOUT SCALE: 1/8" = 1'-0"

nt. load brg. wall-

OPENING CONNECTION REQUIREMENTS **ANCHORAGE TO** CONNECTOR AT **HEADER SIZE** CLEAR FOUNDATION @ EACH EACH END OF #2 GRADE OR **OPENING** END OF OPENING BETTER **OPENING WIDTH END BEARING** 0' - 3' (2) 2x81.5" 1/2" ALL THREAD ROD >3' - 6' 1/2" ALL THREAD ROD (2) 2x101/2" ALL THREAD ROD 1/2" ALL THREAD ROD (2) 2x12 >6' - 9' 1/2" ALL THREAD ROD 1/2" ALL THREAD ROD (2) 1 3/4" x 11 1/4" LVL - 2.0E >9' - 12' 1/2" ALL THREAD ROD 1/2" ALL THREAD ROD >12' - 15' (2) 1 3/4" x 11 1/4" LVL - 2.0E >15' - 18' (2) 1 3/4" x 11 1/4" LVL - 2.0E

DOUBLE TOP PLATE . 2x4 STUDS @ 16" O.C. MAX. ROD @ 48" O.C. P.T. 2x4 PLATE



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

DRAWN BY

DATE

7/15/22

W.H.F.

APPROVED

W.H.F.

REVISIONS

A-8

PROJECT NO.

22.R028

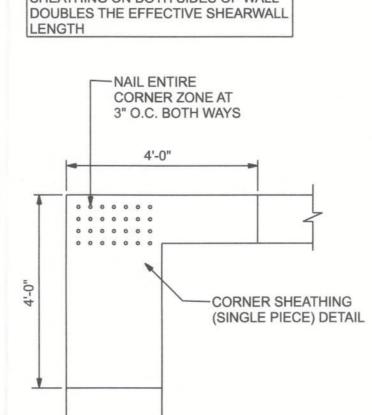
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UBDI

SSWIND

ALL THREAD @ PORCH BEAM



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

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.

into the concrete.

1. One all-thread rod at each corner.

Connection Type

Foundation / Spruce-Pine-Fir Top Plate

Lintel or Bond Beam / S.Y.P. Top Plate

Placement at slab level:

Lintel or Bond Beam / Spruce-Pine-Fir Top Plate

fall under the stud pack framing members.

the top plates and tightened securely.

Intermediate Coupler Connections

halfway into the coupler.

Foundation / S.Y.P. Top Plate

load transfer.

Corners

Header ends

Top Connections

Retro-fits

One all-thread rod at each end of shearwalls.

3. One all-thread rod at each end of opening headers greater than 3'-0"

ALLOWABLE VALUES

When presetting the all-thread rod at a building corner, the rod

building corner, it may be placed on either side of the corner.

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

4. Check sub-sheathing to top plate connection for horizontal transfer capability.

5. If necessary, add all-thread rods to girders individually to exclude the from average uplift plf.

6. Check sole plate to slab connection, additional anchors may be required for lateral and shear

Allowable Value

3840 lbs.

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3840 lbs.

3840 lbs.

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. 4.5" 1/2" ALL THREAD ROD 1/2" ALL THREAD ROD ENGINEERED WOOD TRUSSES, DESIGNED FOR INTERIOR BEARING

2x blocking betweenstuds with 2-16d nail

at each end panel joint-2x studs @ 16" o.c. unless otherwise noted

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

BLOCKING SECTION

-simpson HUC412 -1/2" ATR 6" - 12" OF PORCH BEAM porch beamdouble 2x or solid

