

1. One all-thread rod at each corner.
2. One all-thread rod at each end of shearwalls.
3. One all-thread rod at each end of opening headers greater than 3'-0"
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 load transfer.

Placement at slab level:

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.

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 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.

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.

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

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.

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.

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

Diagram illustrating a roof assembly cross-section for a windstorm. The assembly includes a roof deck, insulation, and a full height sheathing layer. Key dimensions and components are labeled:

- WINDSTORM 7/16" O.S.B. FULL HEIGHT SHEATHING
- 3/8"
- 1/2"
- 4"
- 1/2"
- 4"

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

NOTE:
ALL WALL SHEATHING SHALL BE WINDSTORM
1 1/8" FULL HEIGHT SHEATHING-
SEE DETAIL 1 FOR NAILING

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.

END (TOP OR BOTTOM)

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

ALL THREAD DETAIL

● ALL THREAD LOCATION

REVISIONS		DESIGN BY:		CERTIFIED GENERAL CONTRACTOR		C E S		CERTIFICATE OF AUTHORIZATION				DRAWN BY:		HANNAH RESIDENCE		PROJECT NO.:	
DATE	BY	DESCRIPTION		CGC1514780				NO. 28022		TM		R21.001					
				TRADEMARK Construction Group, Inc.		750 SW MAIN BLVD. LAKE CITY, FL. 32025 (386)755-5254		CES Crews Engineering Services, LLC		349 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303		APPROVED BY:		SHEARWALL DETAILS		SHEET:	
												BC				A-9	