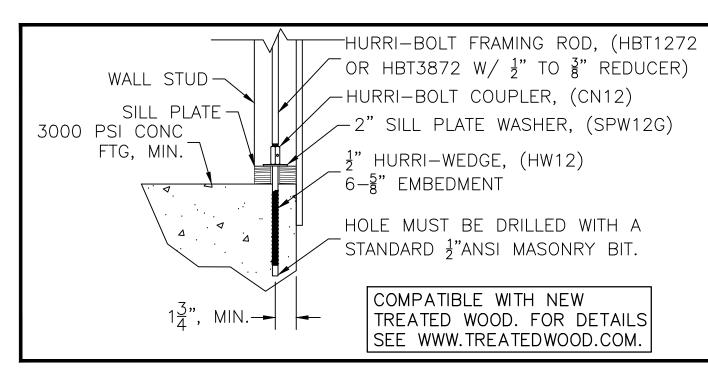
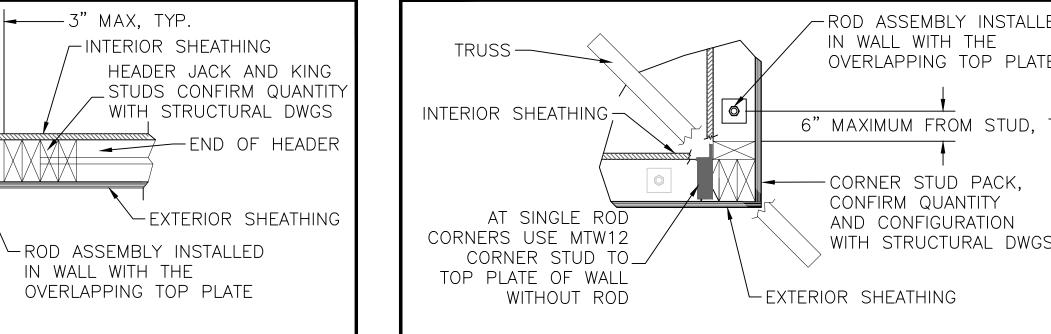
. CAPACITIES BASED ON SYP TOP PLATES. 2. FOLLOW MANUFACTURERS REQUIREMENTS FOR FASTENERS AND

3. REFER TO INDIVIDUAL LAYOUTS FOR STRAP PLACEMENT ACCORDING TO TRRUSS STRAP LEGEND.

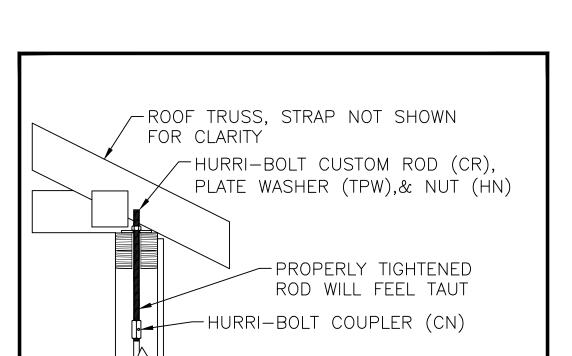
TRUSS TO TOP PLATE CONNECTOR TABLE UPLIFT AND LATERAL CAPACITY HB1 SCALE: N/A



HURRI-WEDGE CONNECTION $(\emptyset 1/2")$ EDGE OF SLAB DETAIL



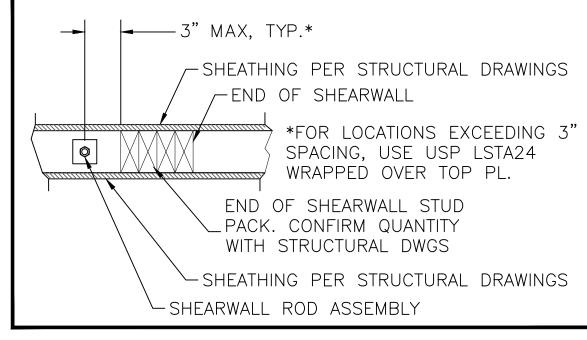
TYPICAL SINGLE ROD CORNER CONNECTION AT TOP FLOOR TOP PLATES



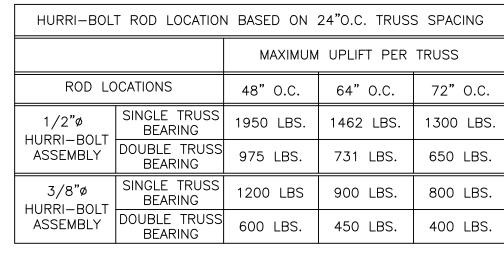
HURRI-BOLT PLACEMENT GUIDELINE

8 END OF HEADER AT TOP PLATES

TYPICAL CORNER CONNECTION 10 AT TOP FLOOR TOP PLATES (HB1) SCALE: 1-1/2" = 1"



HURRI-BOLT PLACEMENT GUIDELINE 11 AT END OF SHEARWALL $\frac{1}{1}$ SCALE: 1-1/2" = 1'



I. MINIMUM CONCRETE STRENGTH IS 3000 PSI.

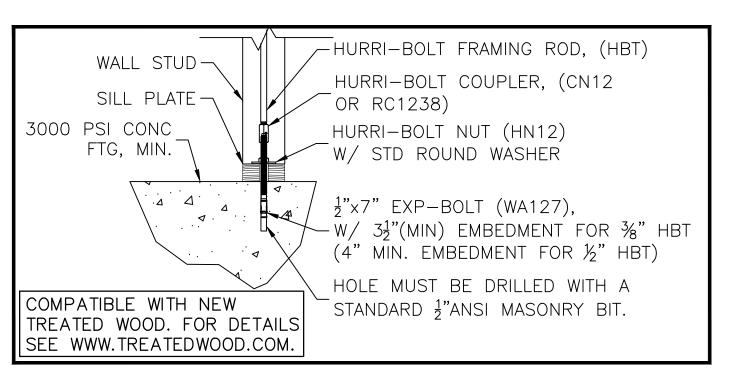
2. WASHER SIZE IS 3" SQUARE FOR $\frac{1}{2}$ "ø, 2" SQUARE FOR $\frac{3}{8}$ "ø, (UNO). 3. ALL RODS AND WASHERS ARE MINĪMUM ASTM A36 STEEL

4. TRUSS TO TOP PLATE CONNECTOR REQUIRED. 5. HURRI-BOLT, INC IS NOT RESPONSIBLE FOR TOP PLATE DESIGN.

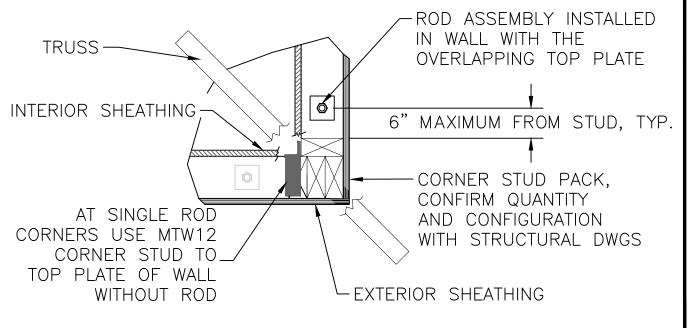
HURRI-BOLT ROD TENSION CAPACITIES					
ROD DIA.	CAPACITY	ROD DIA.	CAPACITY	ROD DIA.	CAPACITY
3/4" B7	20710 LBS.	3/4"	9940 LBS.	1/2"	4418 LBS.
5/8" B7	14380 LBS.	5/8"	6900 LBS.	3/8"	2485 LBS.

1. ALL RODS ARE MINIMUM ASTM A36 STEEL: F'u = 60 ksi 2. TRUSS TO TOP PLATE CONNECTOR REQUIRED. 3. CAPACITIES BASED ON AISC 360-10 EQUATION J3-1

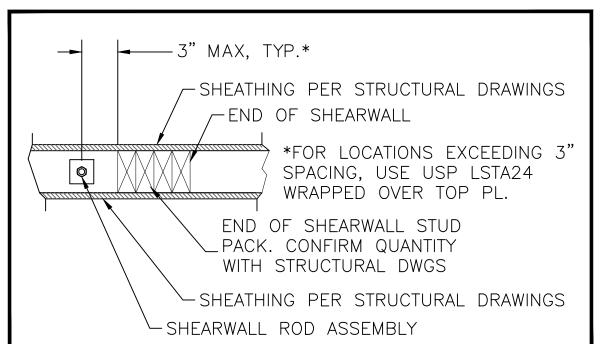
HURRI-BOLT UPLIFT CAPACITY TABLE BY DIAMETER AND SPACING HB1 / SCALE: N/A

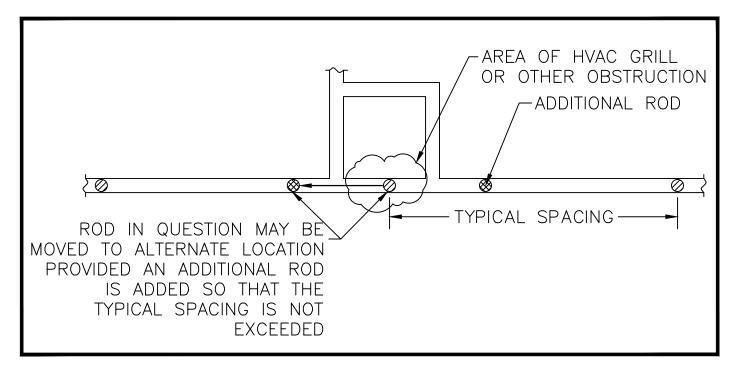


TYPICAL INTERIOR 1/2" TO 3/8" 5 \ EXPANSION BOLT DETAIL

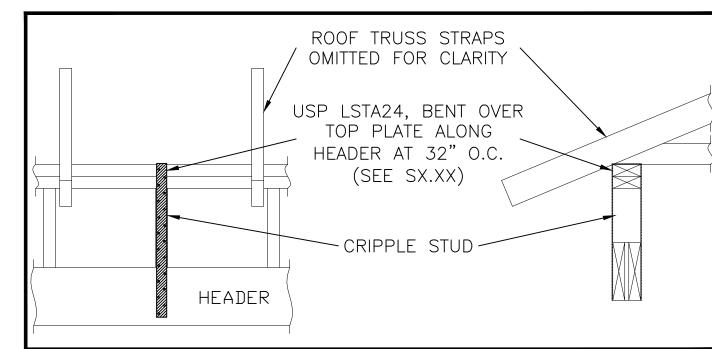


(HB1) SCALE: 1-1/2" = 1"

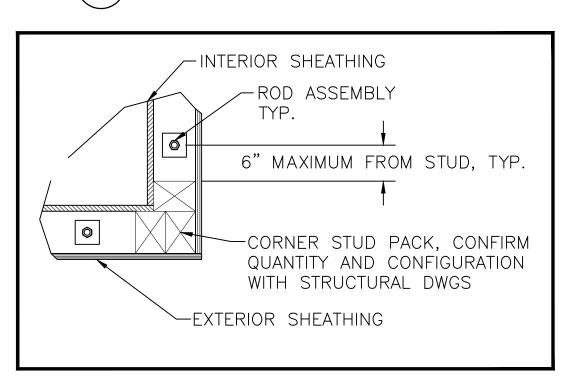




OBSTRUCTED HURRI-BOLT ROD MOVING GUIDELINE (HB1) SCALE: 1/2" = 1"



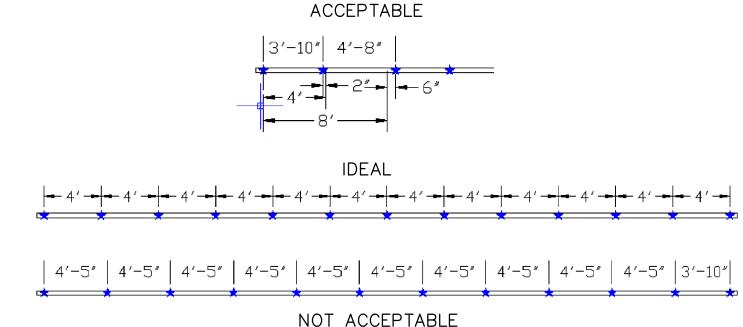
TYPICAL HEADER DETAIL PER STRUCTURAL DRAWINGS 6 AT ROOF BEARING WALL TOP FLOOR ONLY $\frac{1}{1}$ SCALE: 1-1/2" = 1'



TYPICAL EXTERIOR CORNER CONNECTION AT FOUNDATION (HB1) SCALE: 1-1/2" = 1'

The dimensions for the Hurri-Bolt assembly spacing are for general location of the rods. They are intended to keep rods from being placed inside locations that would not be apparent from looking at a foundations when it is being formed——i.e., windows and doors.

Rods can vary ± 7 " within a run of rods. For example: A 32 foot wall with spacing at 4' o.c., would have 9 rods—one at each end and 7 in between. Ideally, the second rod would be 4' from the first, the next at 8', and so on until the other end rod is reached. If the second rod were place 3' 10" from the first and the next rod is 8' 6" from the first, this is still within tolerance since each rod varied within 7" of the ideal spacing even though the spacing between the second and third rod is 4'8".



Rods can vary from plumb provided the following criteria is met:

Rods are not bent permanently. Rods remain in within the initial stud cavity——no rods are allowed to penetrate laterally through vertical framing members, unless a specific detail addresses the situation.

With regards to spacing from the corner, the rods can vary up to 8" from the end stud at the end of a wall (corner) or header king stud (windows and doors) without additional straps. If the rod is over 8" and up to 12" from the end of wall segment stud then an RT7 should be added to the top floor top plates to the stud in the corner.

> 12\HURRI-BOLT LAYOUT TOLERANCES (HB1) SCALE: N/A (EXAMPLE SPACING SHOWN)

HURRI-BOLT, INC.

8509 SUNSTATE ST. SUITE C PHONE (813) 626-1676 WWW.HURRI-BOLT.COM

DESIGN CRITERIA:

1. FBC 2014 WIND SPEED: Vult 148 MPH; Vasa 115 MPH RISK CATEGORY - II

WIND EXPOSURE - C INTERNAL PRESSURE COEFFICIENT +/-0.18 (ENCLOSED).

2. FOUNDATION CONCRETE SHALL DEVELOP A MINIMUM OF 3,000 psi COMPRESSIVE STRENGTH AT 28

3. THE HURRI-BOLT DESIGN AND LAYOUTS ARE BASED ON TESTING WITH THE COMPLETE HURRI-BOLT SYSTEM AND ARE VALID ONLY WITH THE USE OF GENUINE HURRI-BOLT COMPONENTS

4. AT TOP PLATE ANCHORS, SECURE A HURRI-BOLT TOP PLATE WASHER TIGHTLY W/ THE SUPPLIED NUT

5. USE SQUARE HURRI-BOLT WASHER UNLESS OTHERWISE NOTED ON LAYOUT

6. THE LAYOUT PLAN IS PROVIDED AS A GUIDE TO THE GENERAL LOCATION OF THE HURRI-BOLT ANCHORS FIELD CONDITIONS AND FRAMING OPTIONS WILL GOVERN THE ACTUAL LOCATIONS.

7. HURRI-BOLT INC. WILL NOT BE RESPONSIBLE FOR ANCHORS PLACED IN A LOCATION WHICH DIMINISHES

GENERAL NOTES:

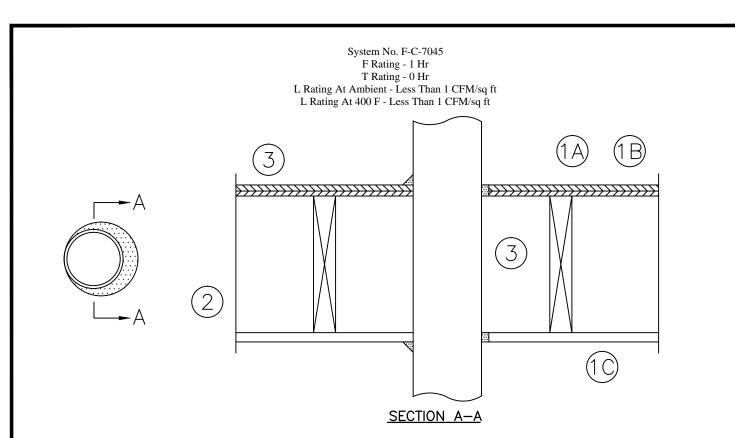
. THIS PLAN IS PROVIDED FOR GENERAL LAYOUT ONLY AND MUST BE VERIFIED BY THE FRAMING CONTRACTOR FOR COMPLIANCE WITH THE ACTUAL FRAMING CONFIGURATION. THE CONTRACTOR SHALL VERIFY THE COMPLIANCE OF THIS PLAN WITH THE FINAL TRUSS LAYOUT PROVIDED BY THE TRUSS MANUFACTURER. THE ENGINEER OF RECORD AND THE ARCHITECT OF RECORD SHALL REVIEW THIS SUBMITTAL FOR CONFORMANCE WITH THE FINAL TRUSS LAYOUT PROVIDED BY THE TRUSS MANUFACTURER

2. REFER TO TRUSS ENGINEERING FOR ALL TRUSS TO TRUSS CONNECTIONS INCLUDING HIP JACKS, TOP HAT TRUSSES, AND OVERFRAMING WHICH ARE PROVIDED BY TRUSS MANUFACTURER.

3. USE USP (2)RT7A UP TO 1340 LBS UPLIFT FOR ALL TRUSS TO TOP PLATE CONNECTIONS UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. SEE TRUSS STRAP LEGEND THIS SHEET

4. EXTERIOR AND INTERIOR SILL PLATE ANCHORS REMAIN AS SPECIFIED BY OTHERS. AS AN ALTERNATE FOR INTERIOR BEARING LOCATIONS, \(\frac{1}{2} \) x7" EXPANSION ANCHOR (WITH 4\(\frac{1}{2} \) MIN. EMBED) MAY BE USED WITHIN 12" OF SPLICES, BOTH ENDS, AND AT 24" O.C.

5. SHEAR WALL SILL PLATE ANCHORS REMAIN AS SPECIFIED BY OTHERS. AS AN ALTERNATE, \(\frac{1}{2}\)"X7" EXPANSION ANCHOR (WITH 41/2" MIN. EMBED) MAY BE USED WITHIN 12" OF SPLICES, BOTH ENDS, AND AT 16" O.C. IN BETWEEN ALL INTERIOR BEARING LOCATIONS.



Floor-Ceiling Assembly The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the ndividual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 5 in. (127mm) B. Wood Joists - Nom 10 in. (254mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as

C. Gypsum* Board - Min 5/8 in. (16mm) thick as specified in the individual Floor-Ceiling Design. Gypsum board secured to wood joists or furring channels as specified n the individual Floor-Ceiling Design. Max area of rectangular opening is 15 sq in. (96 cm2) with max dimension of 5 in. (127mm). In lieu of rectangular opening max .1 Chase Wall (Optional, not shown) -- The through penetrants (Item 2) may be routed through a 1 hr fire rated single, double or staggered wood stud/gypsum board chase wall. Depth of chase wall stud cavity to be min ½ in. greater than diameter of opening cut in sole and top plates to accommodate the through penetrant (Item 2). The

chase wall having a fire rating consistent with that of the floor-ceiling assembly. The chase wall shall be constructed of the materials and in the manner specified in the ndividual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features: A Studs - Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.

B Sole Plate - Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Max diam of opening is 5

C Top Plate - The double top plate shall consist of two nom 2 by 4 in. (51 by 102 mm), two nom 2 by 6 in. (51 by 152 mm) or two sets of parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Max diam of opening is 5 in. (127 mm).

D Gypsum Board* - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design. 2. Through Penetrants - One metallic strut, cable, rod or angle service support to be installed within the firestop system. An annular space of min 1/8 in. (3 mm) to max 7/8 in. (22mm) is required within the firestop system, Strut, cable, rod or angle service support tp be rigidly supported on both sides of floor/ceiling assembly. The strut, cable, rod or angle service support may be installed at an angle not greater than 45 degrees from the perpendicular. The following types and sizes of metallic strut, cable, rod or angle service support may be used:

A. Steel Strut - Max 1-5/8 by 1-5/8 in. (41 by 41 mm) channel strut formed from min 0.105 in. (2.7 mm) thick galv or painted steel. B. Steel Strut -Max 3-1/4 by 1-5/8 in. (83 by 41 mm) H strut formed from min 0.105 in. (2.7 mm) thick galv or painted steel.

C. Cable - Max 3/8 in. (9.5 mm) diam unjacketed steel cable. D. Threaded Rod - Max 1 in. (25 mm) diam galv steel threaded rod. E. Steel Angle - 2 by 2 by 1/8 in. (51 by 51 by 3 mm) thick steel angle.

3. Fill Void or Cavity Materials* - Caulk or Sealant - Min 3/4 in. (19 mm) thickness of sealant applied within the annulus flush with top surface of floor or sole plate and min 5/8 in. (16 mm) thickness of sealant applied within the annulus flush with bottom surface of gypsum board or lower top plate.

SPECIFIED TECHNOLOGIES INC - SpecSeal LCI Sealant, Type WF300 Caulk Bearing the UL Classification Mark

> FIRE-CAULK SYSTEM F-C-7045
> 13 USING SPECSEAL LCI, TYPE WF300 CAULK HB1 | SCALE: N/A



THESE DOCUMENTS ARE NOT FINAL AND NEED TO BE REVIEWED BY

TRUSS PKG. DATED XX-XX-2018 ARCH. DATED XX-XX-2018 STRUCT. DATED XX-XX-2018

PRELIMINARY FOR APPROVAL FOR CONSTRUCTION

REVISIONS

PROJ. #: 2018.XX DATE: XX/XX/2018

DWG. BY: AH CHK. BY: RDH FILE: HB1 HB2 HB3

INSTRUCTIONS.dwg

