

TJI NAILING REQUIREMENTS

TJI joists at bearings: Two 8d (2 1/2") box nails (1 each side), 1 1/2" minimum from end.

Blocking panels, rim joist or rim board to bearing plate: TJI blocking panels or rim joist: 10d (3") box nails at 6" o.c. Trus Joist rim board: Toenail with 10d (3") box nails at 6" o.c. or 16d (3 1/2") box nails at 12" o.c.

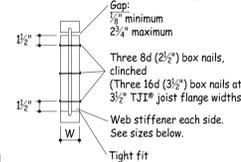
Shear transfer: Connections equivalent to decking nail schedule.

Rim board, rim joist or closure to TJI joist: 1 1/2" width or less: Two 10d (3") box nails, one each at top and bottom flange. 2 1/4" thru 2 1/2" widths: Two 16d (3 1/2") box nails, one each at top and bottom flange.

2 1/4" thru 2 1/2" widths: Two 16d (3 1/2") box nails, one each at top and bottom flange. 3 1/2" width: Toenail joist to rim joist with one 10d (3") box nail each side of joist top flange.

2x4 minimum squash blocks: Two 10d (3") box nails, one each at top and bottom flange.

WEB STIFFENER ATTACHMENT



W	Web Stiffener Size	W	Web Stiffener Size
1 1/2"	1/2" x 2 1/2" minimum	2 1/2"	3/4" x 2 1/2" minimum
1 3/4"	3/8" x 2 3/8" minimum	2 3/4"	1" x 2 3/8" minimum
2 1/4"	3/4" x 2 3/8" minimum	3 1/2"	2x4

ALLOWABLE HOLES - TJI Joists

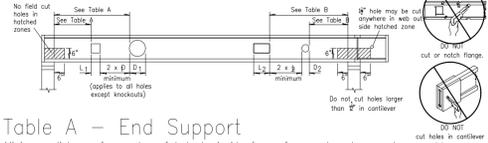


Table A - End Support

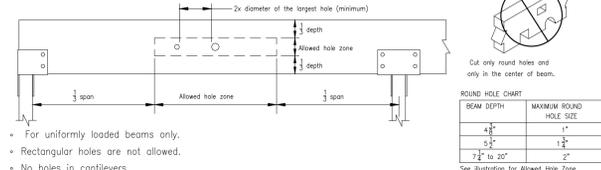
DEPTH	TJI ?	ROUND HOLE SIZE						SQUARE OR RECTANGULAR HOLE SIZE							
		2"	3"	4"	6"	8"	11"	2"	3"	4"	6"	8"	11"		
9 1/2"	230	1'-0"	2'-0"	2'-6"	5'-6"	6'-0"	1'-0"	2'-0"	3'-0"	5'-0"	6'-0"	1'-0"	2'-0"	3'-0"	5'-0"
	360	1'-6"	2'-0"	3'-0"	6'-0"	6'-0"	1'-6"	2'-6"	3'-0"	6'-0"	6'-0"	1'-6"	2'-6"	3'-0"	6'-0"
11 1/8"	230	1'-0"	1'-0"	1'-0"	3'-0"	6'-0"	1'-0"	1'-0"	2'-0"	3'-6"	7'-0"	1'-0"	1'-0"	2'-0"	3'-6"
	360	1'-0"	1'-0"	1'-0"	3'-0"	6'-0"	1'-0"	1'-0"	2'-0"	3'-6"	7'-0"	1'-0"	1'-0"	2'-0"	3'-6"
14"	230	1'-0"	1'-0"	1'-0"	1'-6"	3'-6"	1'-0"	1'-0"	1'-0"	1'-0"	4'-0"	1'-0"	1'-0"	1'-0"	9'-0"
	360	1'-0"	1'-0"	1'-0"	2'-6"	5'-6"	1'-0"	1'-0"	1'-0"	1'-0"	8'-0"	1'-0"	1'-0"	1'-0"	9'-6"
16"	230	1'-0"	1'-0"	1'-0"	2'-6"	6'-0"	1'-0"	1'-0"	1'-0"	1'-0"	8'-0"	1'-0"	1'-0"	1'-0"	10'-0"
	360	1'-0"	1'-0"	1'-0"	2'-6"	6'-0"	1'-0"	1'-0"	1'-0"	1'-0"	8'-0"	1'-0"	1'-0"	1'-0"	10'-0"

Table B - Intermediate or Cantilever Support

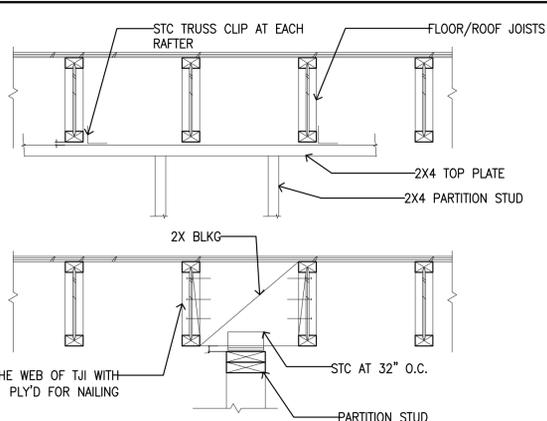
DEPTH	TJI ?	ROUND HOLE SIZE						SQUARE OR RECTANGULAR HOLE SIZE						
		2"	3"	4"	6"	8"	11"	2"	3"	4"	6"	8"	11"	
9 1/2"	230	2'-6"	3'-0"	4'-0"	8'-0"	8'-0"	2'-6"	3'-0"	4'-6"	7'-6"	2'-6"	3'-0"	4'-6"	7'-6"
	360	3'-0"	4'-0"	5'-6"	9'-0"	9'-0"	3'-0"	4'-6"	5'-6"	8'-0"	3'-0"	4'-6"	5'-6"	8'-0"
11 1/8"	230	1'-0"	2'-0"	2'-6"	5'-0"	9'-0"	1'-0"	2'-6"	3'-6"	8'-0"	1'-0"	2'-6"	3'-6"	8'-0"
	360	2'-0"	3'-0"	4'-0"	7'-0"	11'-0"	2'-0"	3'-6"	5'-0"	9'-6"	2'-0"	3'-6"	5'-0"	9'-6"
14"	230	1'-0"	1'-0"	1'-0"	1'-6"	3'-6"	1'-0"	1'-0"	1'-0"	1'-0"	4'-0"	1'-0"	1'-0"	1'-0"
	360	1'-0"	1'-0"	1'-0"	2'-6"	5'-6"	1'-0"	1'-0"	1'-0"	1'-0"	8'-0"	1'-0"	1'-0"	1'-0"
16"	230	1'-0"	1'-0"	1'-0"	2'-6"	6'-0"	1'-0"	1'-0"	1'-0"	1'-0"	8'-0"	1'-0"	1'-0"	1'-0"
	360	1'-0"	1'-0"	1'-0"	2'-6"	6'-0"	1'-0"	1'-0"	1'-0"	1'-0"	8'-0"	1'-0"	1'-0"	1'-0"

- Rectangular holes based on measurement of longest side.
- Holes may be located vertically anywhere within the web. Leave 1/4" of web (minimum) at top and bottom of hole.
- Knockouts are located in web at approximately 12" on-center; they do not affect hole placement.
- For simple span (5' minimum) uniformly loaded joists meeting the requirements of current Trus Joist product guides, one maximum size round hole may be located at the center of the joist span provided no other holes occur in the joist.
- Distances are based on the maximum uniform loads shown in current Trus Joist product guides. For other load conditions or hole configurations contact your Trus Joist representative.

ALLOWABLE HOLES - Beams and Headers

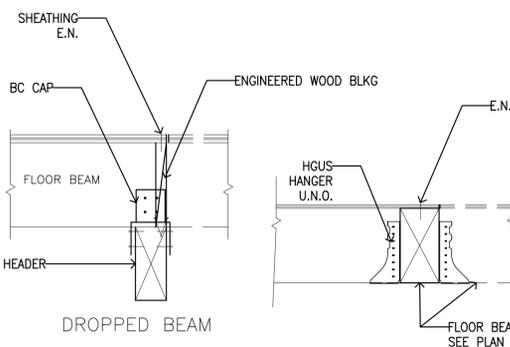


- For uniformly loaded beams only.
- Rectangular holes are not allowed.
- No holes in cantilevers.
- No holes in headers or beams in plank orientation.



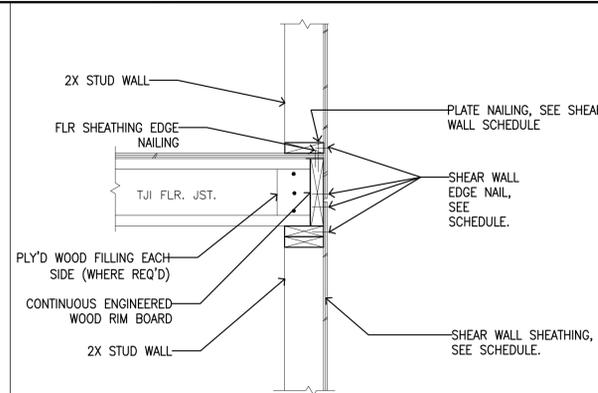
INTERIOR PARTITIONS @ FLOOR/ROOF JOIST

N.T.S.



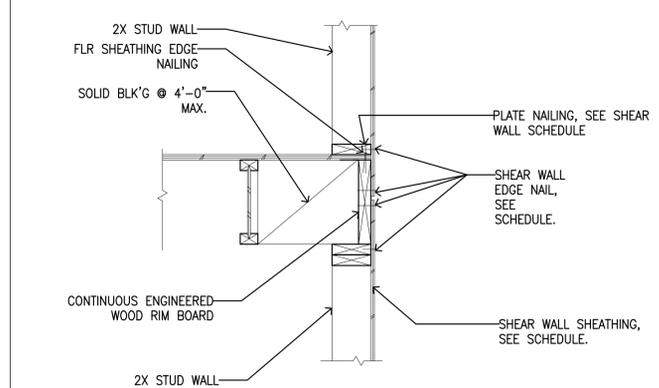
BEAM AT BEAM / WALL / HEADER

N.T.S.



SECOND FLOOR AT EXT. WALL

N.T.S.

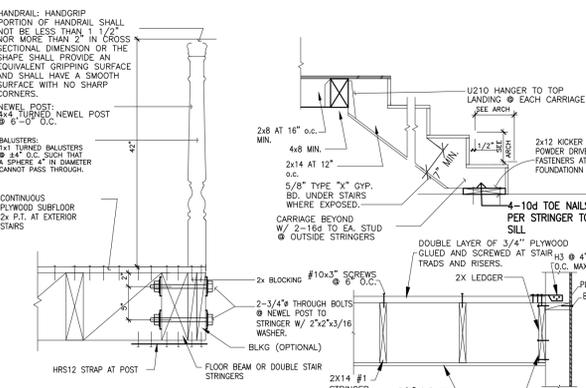


SECOND FLOOR AT EXT. WALL

N.T.S.

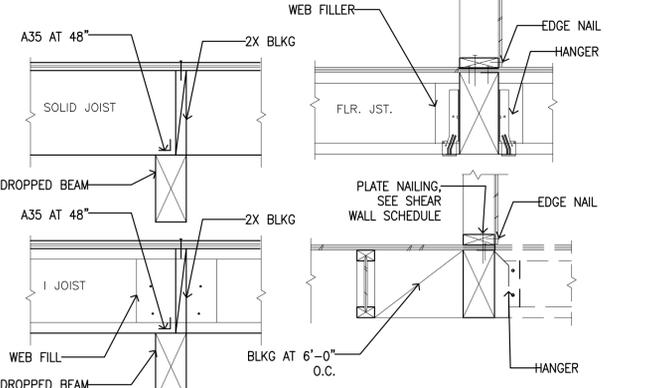
TJI JOIST HANGERS

DEPTH	TJI PRO	HANGER	DEPTH	TJI PRO	HANGER
9 1/2"	110	ITT9.5	9 1/2"	110	IUS1.81/9.5
	210	ITT2.1/9.5		210	IUS2.06/9.5
	230	ITT359.5		230	IUS2.37/9.5
11 7/8"	110	ITT11.33	11 7/8"	110	IUS1.81/11.88
	210	ITT2.1/11.88		210	IUS2.06/11.88
	230	ITT3511.88		230	IUS2.37/11.88
	360	ITT3511.88		360	IUS2.37/11.88
	560	ITT411.88		560	IUS3.56/11.88
14"	110	ITT14	14"	110	IUS1.81/14
	210	ITT2.1/14		210	IUS2.06/14
	230	ITT3514		230	IUS2.37/14
	360	ITT3514		360	IUS2.37/14
	560	ITT414		560	IUS3.56/14
16"	210	ITT2.1/16	16"	210	IUS2.06/16
	230	MIT3516		230	IUS2.37/16
	360	MIT3516		360	IUS2.37/16
	560	MIT416		560	IUS3.56/16



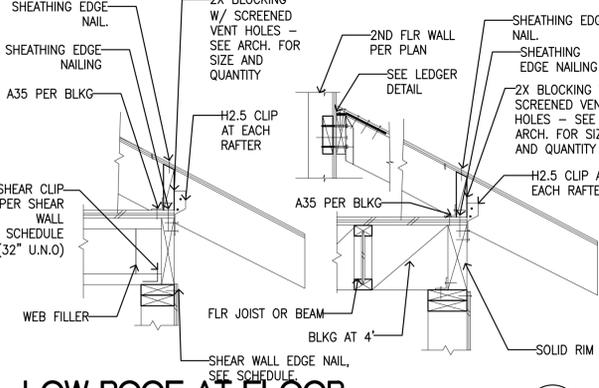
STAIR DETAILS

N.T.S.



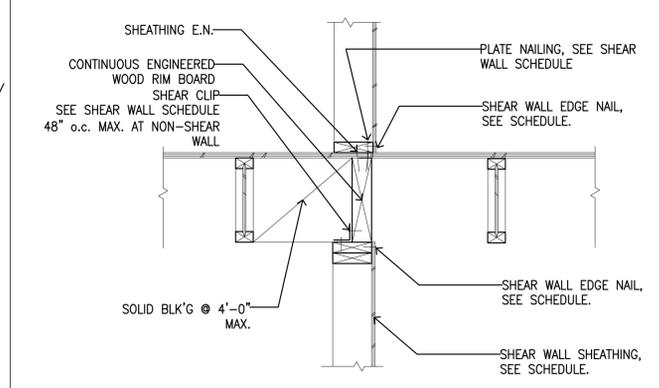
JOISTS AT BEAM

N.T.S.



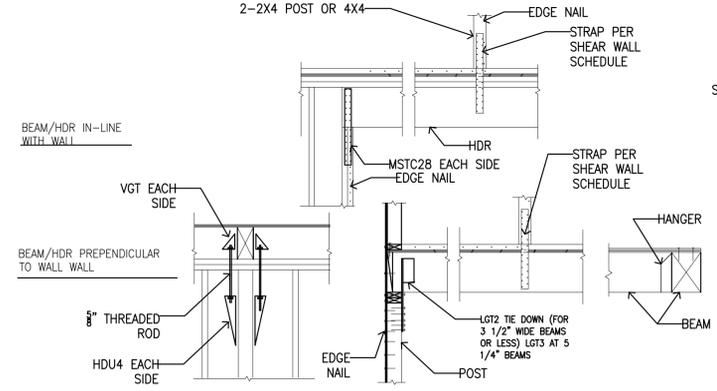
LOW ROOF AT FLOOR

N.T.S.



FLOOR AT INT. SHEAR WALL

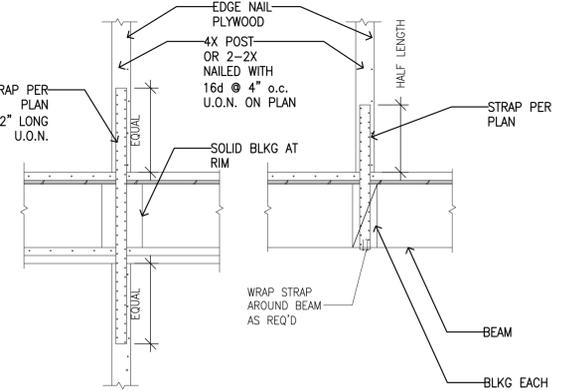
N.T.S.



HOLDOWN STRAP AT BEAMS/HEADERS

HOLDOWN STRAP AT 2ND FLR.

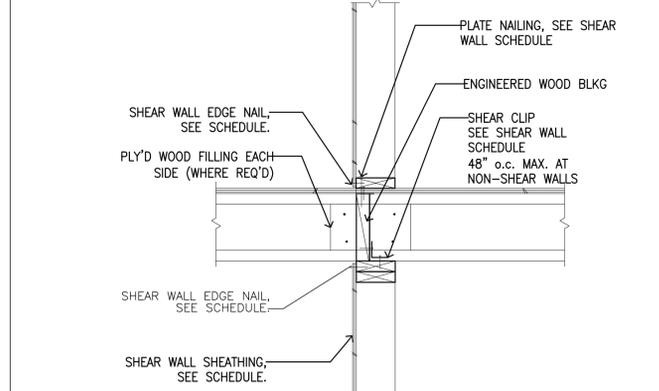
N.T.S.



HOLDOWN STRAP AT 2ND FLR.

HOLDOWN STRAP AT 2ND FLR.

N.T.S.



FLOOR AT INT. SHEAR WALL

FLOOR AT INT. SHEAR WALL

N.T.S.

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REVISION HISTORY	DATE
PLAN CHECK REVIEW	8-24-2020

PROJECT

RESIDENCE

AT

3766 Eastwood Cr.
Santa Clara, CA 95054



8-24-2020

STRUCTURAL DETAILS

Drawn by: EH Drawing Number

Checked by: SD3

Project Number: 20-205 SHEET 6 OF 8