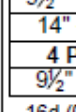
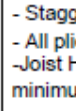
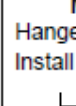


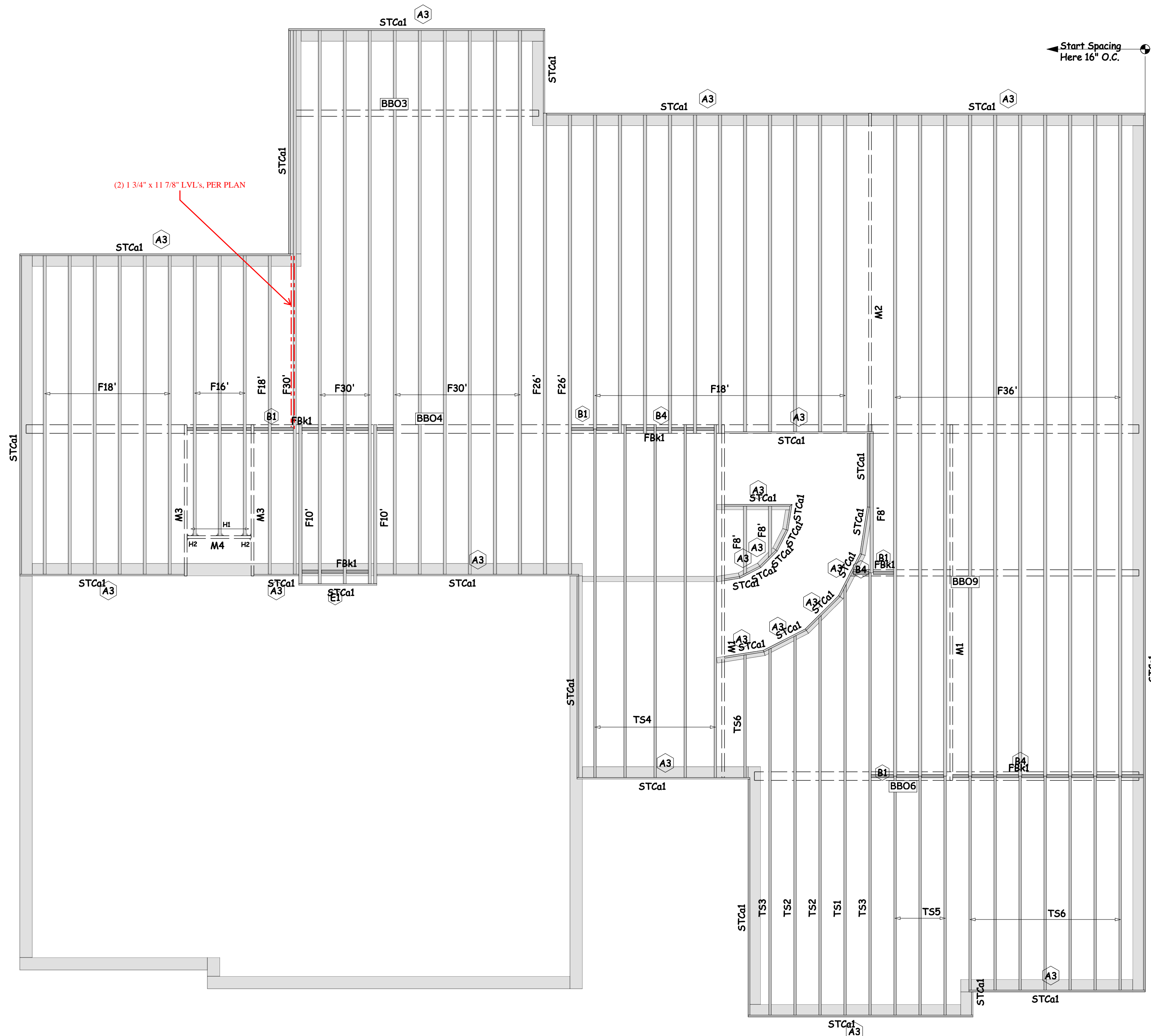
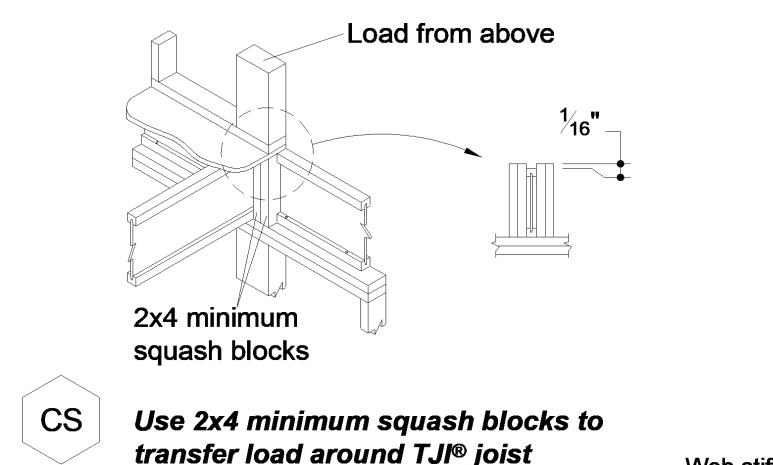
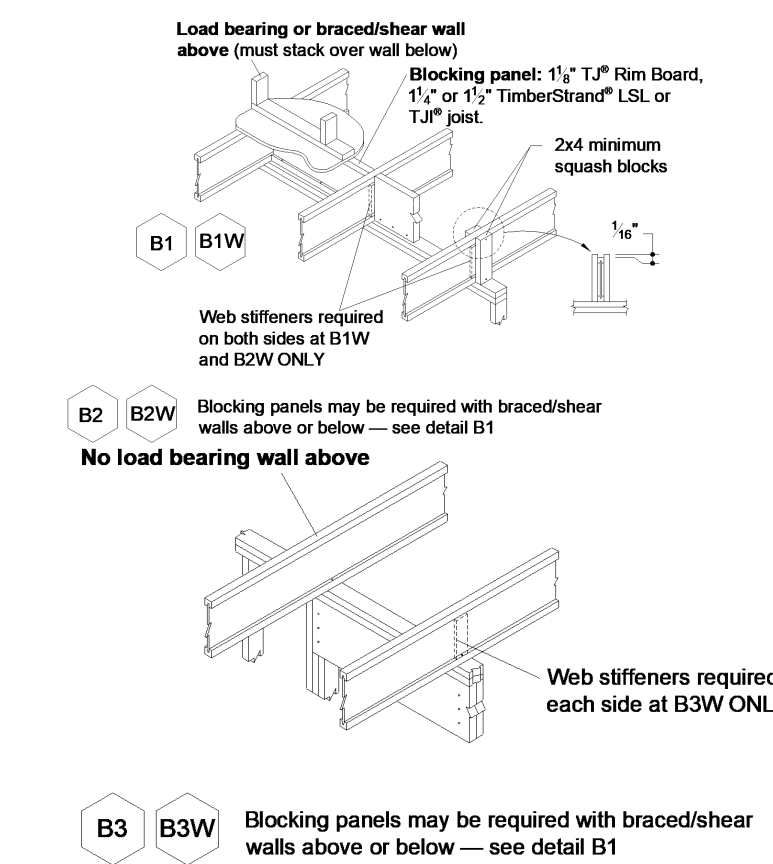
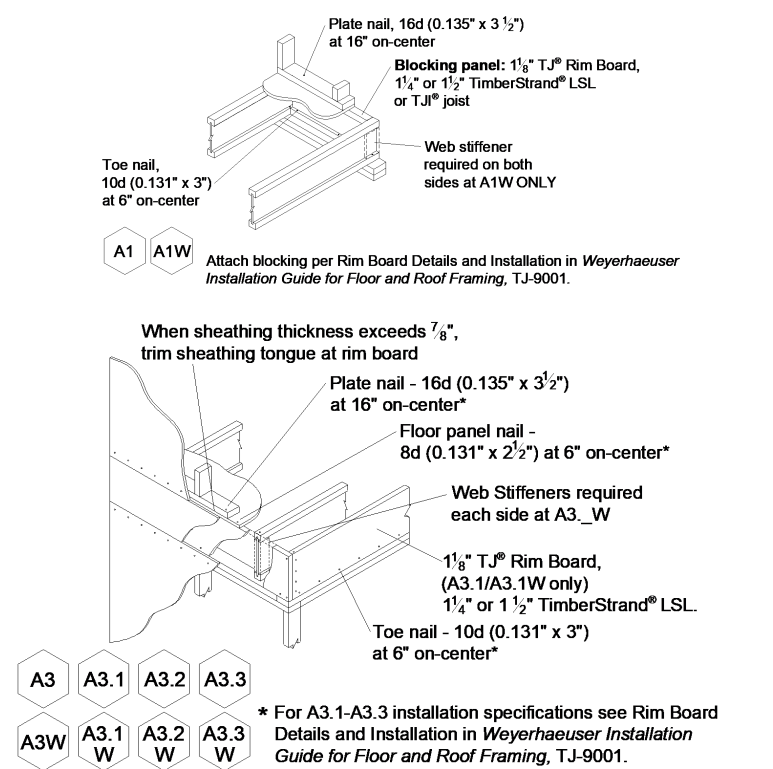
Actual materials and quantities may vary due to jobsite conditions, design changes and installation variations. It is the responsibility of the Builder for this Layout to be reviewed and Approved by an appropriate Design Professional as required by the permitting authority.

ALL ROOF LOADS ASSUMED TO BE SUPPORTED AT EXTERIOR WALLS AND BEAMS BY OTHERS, IF APPLICABLE, UNLESS OTHERWISE NOTED.
NO ROOF LOADS APPLIED TO FLOOR MEMBERS.

11 7/8" TJI
210'S 16" O.C.
UNLESS OTHERWISE NOTED

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
01/05/2023 4:32:02

HANGER NAILING FOR UNIFORMLY LOADED BEAMS								
Joint & Beam Hanger Face Nailing Requirements* for 3 & 4 Ply Supporting Members								
For IUS or THF Hangers - Use 10d (0.148") x 3" nails.								
For U, MIU, HU, HHUS, HGUS or HD, THD, THDH Hangers - Use 16d (0.162") x 3 1/2" nails.								
*For hangers that have joint fasteners/connections, fill all holes with the manufacturer's recommended fasteners.								
MULTIPLE PLY CONNECTION NAILING FOR UNIFORMLY LOADED BEAMS								
2&3 PLY BEAMS		NAILED CONNECTION						
		9 1/2" - 11 1/2" Depth (3) Rows of 10d (0.128") x 3" Box Nails at 12" o.c.						
		14" - 24" Depth (4) Rows of 10d (0.128") x 3" Box Nails at 12" o.c.						
4 PLY BEAM		NAILED CONNECTION						
		9 1/2" - 24" Depth (4) Rows of 10d (0.128") x 3" Box Nails at 12" o.c.						
		- 16d (0.131") pneumatic nails may be substituted for 10d (0.128") Box Nails.						
		- Stagger nails by 6" per ply						
		- All plies must be same material, grade, and 1 1/2" thickness.						
- Joint-Hanger's connecting into the side of the beam must be installed with minimum 3" long nails.								
MULTIPLE PLY CONNECTION NAILING FOR POINT LOADS								
Hanger shown for reference. Install screws from side opposite of hanger. Install 1/2 the required screws on each side of hanger								
								
EQUAL SPACING								
(4) ROWS 14" & DEEPER								
(3) ROWS 11 1/2" & LESS								
SIMPSON STRONG-TIE® HANGERS								
	3 PLY SUPPORT BEAM	U	HU	HHUS	HGUS	HD	THD	THDH
BEAM	TOTAL # OF 3 1/4" TRUSSLOK® SCREWS	4	6	8	14	6	12	16
	TOTAL # OF 3 1/4" SIMPSON SDS SCREWS	4	4	6	12	6	10	12
	4 PLY SUPPORT BEAM	U	HU	HHUS	HGUS	HD	THD	THDH
BEAM	TOTAL # OF 3 1/4" TRUSSLOK® SCREWS	4	6	10	20	8	16	20
	TOTAL # OF 6" SIMPSON SDS SCREWS	6	8	12	24	10	20	26
- Connections based on FastenMaster TrussLok® and Simpson Strong-Tie® code reports.								
- All plies assumed to be the same material, grade, and 1 1/2" in thickness								
- Connections based on given hangers maximum capacity at 100% Load Duration Factor. Adequate for 115% and 125% Load Duration Factor as well.								
- Connection assumes the use of 16d nails and max nailing in hangers.								
- See TB-300 for alternate connector types and loading.								



Framing Connector Summary									
PlotID	Qty	Manuf	Product	Design Method	Face Nails	Top Nails	Member Nails	Skew	Slope
H1	3	Simpson	ITS2.06/11.88	Designed	2- 10dx1.5	4- 10dx1.5	2- Strong-Grip	-	-
H2	2	Simpson	ITS1.81/11.88	Designed	2- 10dx1.5	4- 10dx1.5	2- 10dx1.5	-	-

Accessories				
PlotID	Length	Product	Plies	Net Qty
		23/32"x48"x96" Weyerhaeuser Edge Panel (0/24) T&G FF	1	63

Products				
PlotID	Length	Product	Plies	Net Qty
F36'	36' 0"	11 7/8" TJI 210 joist	1	10
F30'	30' 0"	11 7/8" TJI 210 joist	1	10
F26'	26' 0"	11 7/8" TJI 210 joist	1	2
F18'	18' 0"	11 7/8" TJI 210 joist	1	18
F16'	16' 0"	11 7/8" TJI 210 joist	1	3
F10'	10' 0"	11 7/8" TJI 210 joist	1	2
F8'	8' 0"	11 7/8" TJI 210 joist	1	3
M1	20' 0"	1 3/4" x 11 7/8" 2.0E Microllam LVL	1	2
M2	18' 0"	1 3/4" x 11 7/8" 2.0E Microllam LVL	1	1
M3	10' 0"	1 3/4" x 11 7/8" 2.0E Microllam LVL	1	2
M4	4' 0"	1 3/4" x 11 7/8" 2.0E Microllam LVL	1	1
TS1	28' 0"	1 1/2" x 11 7/8" 1.5E TimberStrand LSL	1	1
TS2	26' 0"	1 1/2" x 11 7/8" 1.5E TimberStrand LSL	1	2
TS3	24' 0"	1 1/2" x 11 7/8" 1.5E TimberStrand LSL	1	2
TS4	20' 0"	1 1/2" x 11 7/8" 1.5E TimberStrand LSL	1	5
TS5	14' 0"	1 1/2" x 11 7/8" 1.5E TimberStrand LSL	1	3
TS6	12' 0"	1 1/2" x 11 7/8" 1.5E TimberStrand LSL	1	8
STCa1	16' 0"	1 1/8" x 11 7/8" TJ Rim Board	1	16

Blocking				
PlotID	Length	Product	Plies	Net Qty
FBk1	2' 0"	11 7/8" TJI 210 joist	1	20
FBk1	1' 0"	11 7/8" TJI 210 joist	1	14

Total Lengths	
Length	Product
1182' 0"	11 7/8" TJI 210 joist
82' 0"	1 3/4" x 11 7/8" 2.0E Microllam LVL
366' 0"	1 1/2" x 11 7/8" 1.5E TimberStrand LSL
256' 0"	1 1/8" x 11 7/8" TJ Rim Board

SHOP DRAWING SUBMITTAL REVIEW
This review is for general conformance with plans and specifications only. Approvals are subject to contractor's performance within the confines of the contract documents. Review of dimensions will not serve to relieve the contractor of contractual responsibility for any deviation from the contract requirements.

___ Approved as noted ✗ Note markings
___ Field measurements or templates ___ Not approved - revise and resubmit
required prior to fabrication

VISTA STRUCTURAL ENGINEERING, LLC
www.vistastructural.com

By: Dennis Heier Date: 11/21/2022

WARNING

Joists are unstable until braced laterally

Bracing Includes:

- Blocking
- Hangers
- Sheathing
- Rim Board
- Rim Joist



DO NOT walk on joists until braced.
INJURY MAY RESULT.



DO NOT walk on joists that are lying flat.

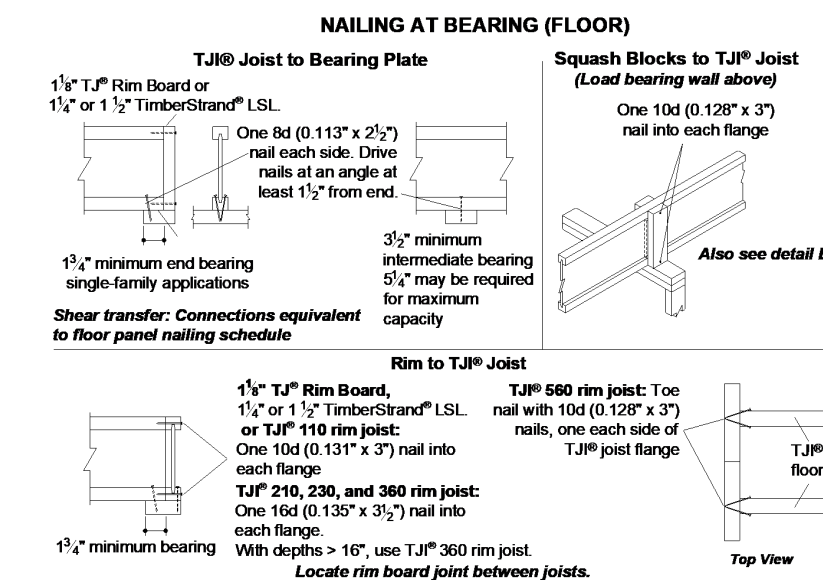


DO NOT stack building materials on unbraced joists. Stack only over beams or walls.

WARNING NOTES:

- All blocking, hangers, rim boards and rim joists at the end supports of the TJI® joists must be completely installed and properly nailed.
- Lateral strength, like braced end wall or an existing deck, must be established at the ends of the bay. This can also be accomplished by a temporary or permanent deck (sheathing) fastened to the first 4 feet of joists at the end of the bay.
- Safety bracing of 1x4 (minimum) must be nailed to a braced end wall or sheathed area (as in note 2) and to each joist. Without this bracing, buckling sideways or rollover is highly probable under light construction loads - such as a worker or one layer of unnailed sheathing.
- Sheathing must be completely attached to each TJI® joist before additional loads can be placed on the system.
- Ends of cantilevers require safety bracing on both the top and bottom flanges.
- The flanges must remain straight within 1/2" from true alignment.

▲ Weyerhaeuser, Microllam, Parallam, TimberStrand, TJI, T1, and Trus Joist are registered trademarks of Weyerhaeuser NR. © 2014 Weyerhaeuser NR Company. All rights reserved.



This layout is intended for product application assurance and is not intended to circumvent the need for a design professional as determined by the Building Codes. The designer of record and/ or builder/ framer is responsible to assure these drawings are compatible with the overall project.

ENGINEERED WOOD PRODUCTS

Weyerhaeuser

84 Lumber

Lot 184 Woodside Ridge

Chris Ford

2206 NW Killarney Lane, Lee's Summit, MO

ARCHITECTURAL DATE:

STRUCTURAL DATE:

SCALE
1/4"=1'-0"

PROJECT #: FP 22-1119

11/14/2022

SHEET
10F 1