RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/22/2022 8:37:17

Andrea Sessler — Digitally signed by Andrea Sessler DN: CN=Andrea Sessler, OU=Development, OU=LS Users, DC=COLS, DC=LOC Date: 2022.04.22 08:45:01-05'00'

THINK SAFETY- READ INSTALLATION INFORMATION BEFORE PROCEEDING

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.

14" TJI
360"S 16" O.C.
UNLESS OTHERWISE NOTED

HANGER NAILING FOR UNIFORMLY LOADED BEAMS

Joist & Beam Hanger Face Nailing Requirements for 3 & 4 Ply Supporting Members

For IUS or THP 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 ½" nails.

*For hangers that have joist fasteners/connections, fill all holes with the manufacturer's recommended fasteners.

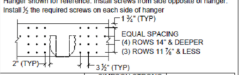
MULTIPLE PLY CONNECTION NAILING FOR UNIFORMLY LOADED BEAMS

2&3 PLY BEAMS	NAILED CONNECTION
9½" - 11¾" 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**
9½" - 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 1½" thickness.
-Joist Hangers connecting into the side of the beam must be installed with minimum 3" long nails.

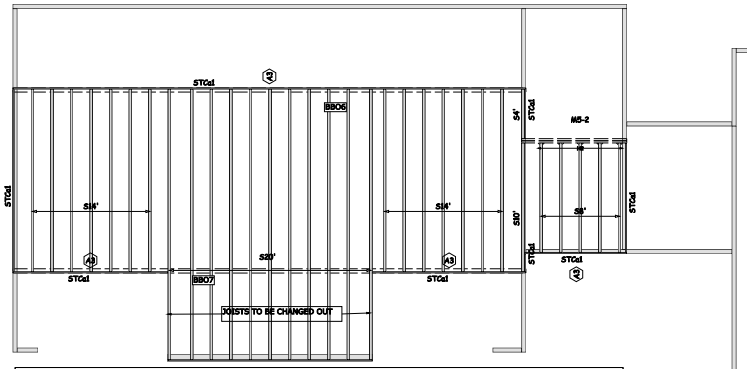
MULTIPLE PLY CONNECTION NAILING FOR POINT LOADS

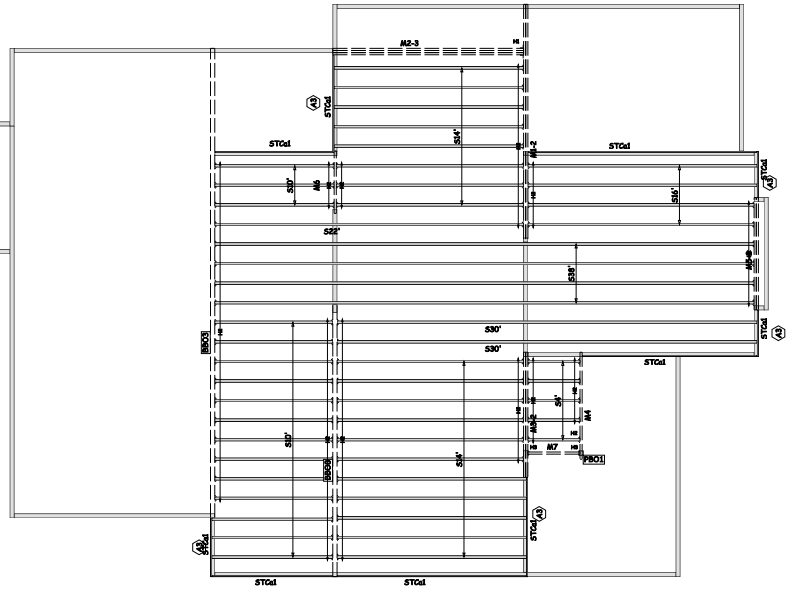
Hanger shown for reference. Install screws from side opposite of hanger. Install ½ the required screws on each side of hanger



		SIMPSON STRONG TIE® HANGERS				USP HANGERS		
Truss	3 PLY SUPPORT BEAM	U	HU	HHUS	HGUS	HD	THD	THDH
	TOTAL # OF 3 ½" TRUSSLOK® SCREWS	4	6	8	14	6	12	16
	TOTAL # OF 3 ½" SIMPSON SDS SCREWS	4	4	6	12	6	10	12
Truss	4 PLY SUPPORT BEAM	U	HU	HHUS	HGUS	HD	THD	THDH
	TOTAL # OF 6 ½" 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 1-½" 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.





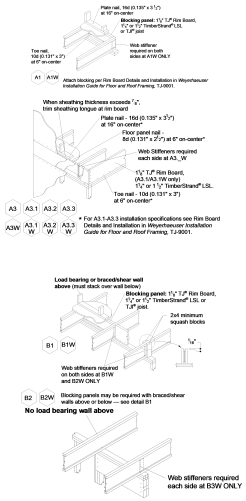
Framing Connector Summary												
PlotID	Qty	Manuf	Product	Design Method	Face Nails	Top Nails	Member Nails	Skew	Slope	Backer Blks	Filler	Web Stiff
H1	1	Simpson	HGUS5.50/10	Designed	46- 10d	-	16- 10d	-	-	No	No	No
H2	90	Simpson	ITS2.37/14	Designed	2- 10dx1.5	4- 10dx1.5	2- Strong-Grip	-	-	No	No	No
H3	2	Simpson	ITS2.81/14	Designed	2- 10dx1.5	4- 10dx1.5	2- 10dx1.5	-	-	No	No	No

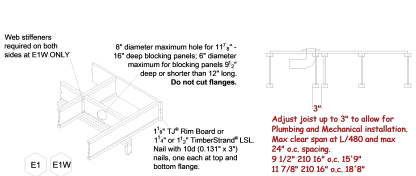
Products				
PlotID	Length	Product	Plies	Net Qty
S38'	38' 0"	14" TJI® 360 Joist	1	4
S30'	30' 0"	14" TJI® 360 Joist	1	2
S22'	22' 0"	14" TJI® 360 Joist	1	1
S20'	20' 0"	14" TJI® 360 Joist	1	11
S16'	16' 0"	14" TJI® 360 Joist	1	4
S14'	14' 0"	14" TJI® 360 Joist	1	33
S10'	10' 0"	14" TJI® 360 Joist	1	17
S8'	8' 0"	14" TJI® 360 Joist	1	5
S4'	4' 0"	14" TJI® 360 Joist	1	6
M1-2	18' 0"	1 3/4" x 14" 2.0E Microllam LVL	2	2
M2-3	14' 0"	1 3/4" x 14" 2.0E Microllam LVL	3	3
M3-2	10' 0"	1 3/4" x 14" 2.0E Microllam LVL	2	2
M5-2	8' 0"	1 3/4" x 14" 2.0E Microllam LVL	2	4
M4	8' 0"	1 3/4" x 14" 2.0E Microllam LVL	1	1
M6	6' 0"	1 3/4" x 14" 2.0E Microllam LVL	1	1
M7	4' 0"	1 3/4" x 14" 2.0E Microllam LVL	1	1
STCd1	16' 0"	1 1/8" x 14" TJ Rim Board	1	12

Accessories				
PlotID	Length	Product	Plies	Net Qty
		23/32"x48"x96" Weyerhaeuser Edge Panel (D/24) T&G FF	1	49

Total Lengths	
Length	Product
1214' 0"	14" TJI® 360 Joist
148' 0"	1 3/4" x 14" 2.0E Microllam LVL
192' 0"	1 1/8" x 14" TJ Rim Board

LEVEL NOTES	
Current Date:	11/4/2021
File Name:	fps21-1018_owen lumber_3206 sw pergola park_lvl
Level Name:	Foundation
Building Code - Design Methodology:	IBC 2015
Members with Design Overridden	
TJ-Pro Rating (Weighted Average):	60
Minimum Level TJ - Pro Rating & Joist:	TJ-Pro rating = 53, joist = S16'(D1454)
Maximum Level TJ - Pro Rating & Joist:	TJ-Pro rating = 68, joist = S8'(D1323)
FLOOR	
Floor Container:	FC3, FC3
Use/Occupancy:	ResidentialLivingAreas
Floor Area Loading is:	40.0 lb/ft² Live Load & 12.0 lb/ft² Dead Load
Maximum Allowed Deflection:	L/480 Live Load & L/240 Total Load
TJ-Pro Rating Information:	
Weighted Average:	FC3: 62; FC3: 59
Directly Applied Ceiling:	None
Decking Attachment:	Glue and Nail
Decking Material:	23/32"x48"x96" Weyerhaeuser Edge Panel (D/24) T&G FF
Perpendicular Partitions:	No
Strapping at max 8' o.c.:	None
Blocking at max 8' o.c.:	No
Poured Flooring:	No





SCAN WITH YOUR SMARTPHONE
INSTALLATION GUIDE FOR FLOOR AND ROOF FRAMING
www.weyerhaeuser.com/wp/tjis

SCAN WITH YOUR SMARTPHONE
DAMAGE REPORTING MOBILE TOOL
damagereport.woodtips.com

BUILT WITH TrusJoist ENGINEERED WOOD PRODUCTS THE BEST

WARNING

Joists are unstable until braced laterally

Bracing Includes:

- Blocking
- Hangers
- Sheathing
- Rim Board
- Metal Lines
- 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 unsheathed joists. Stack only over beams or walls.

WARNING NOTES:

Lack of proper bracing during construction can result in serious accidents. Observe the following guidelines:

1. All blocking, hangers, rim boards and rim joists at the end supports of the TJI® joists must be completely installed and properly nailed.
2. Lateral strength, tile 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.
3. Safety bracing of 1x4 (minimum) must be nailed to a braced end wall or sheathed area (as in note 2) and to each joist.
4. Sheathing must be completely attached to each TJI® joist before additional loads can be placed on the system.
5. Ends of cantilevers require safety bracing on both the top and bottom flanges.
6. The flanges must remain straight within 1/2" from true alignment.

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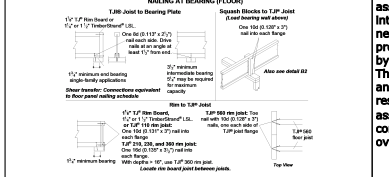

This layout is intended for product application assurance and is not intended to circumvent the need for a design professional as determined by the Building Codes. The designer of record and/ or builder/ framer is responsible to assure these drawings are compatible with the overall project.

SHOP DRAWING / SUBMITTAL REVIEW

- [x] REVIEWED
- [ ] REVISE AND RESUBMIT
- [ ] REVIEWED WITH CHANGES NOTED
- [ ] REJECTED_____

This review is for general conformance with plans and specifications only. Approvals are subject to subcontractors performance within the confines of the contract documents. Review of dimensions will not serve to relieve the subcontractor of contractual responsibility for any deviation from the contract requirements.

By: Dan Webster Date: 4-20-22

WEBSTER ARCHITECTS
11060 SOUTH GREEN ROAD
OLATHE, KS 66061

TrusJoist ENGINEERED WOOD PRODUCTS — Weyerhaeuser

Symbol Legend

- User Defined Point Load
- User Defined Line Load
- User Defined Area Load
- BBO Beam By Others
- PBO Post By Others
- Layout Start Location
- Construction Detail Callout (See Framer's Pocket Guide)
- PL EX Excessive Point Load (WARNING: Member design did not include this load. Special consideration is required by the designer of record.)
- Required Bearing Length (Only placed at insufficient bearing locations.)

FOREST PRODUCTS SUPPLY CO

PREPARED BY
MIKE CARKOSCIA
FOREST PRODUCTS SUPPLY
913-441-7000

OWEN LUMBER
3206 SW PERGOLA PARK
JUAN

STRUCTURAL DATE:
ARCHITECTURAL DATE:

SCALE 1/4"=1'-0"
PROJECT #: FPS 21-1018
11/4/2021
SHEET 1OF 1

A COMPLETE JAVELINTM LAYOUT INCLUDES THE ILEVELTM FRAMER'S POCKET GUIDE.