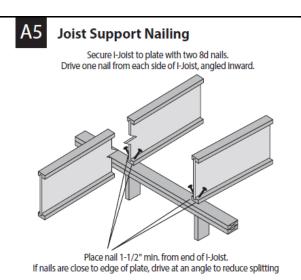


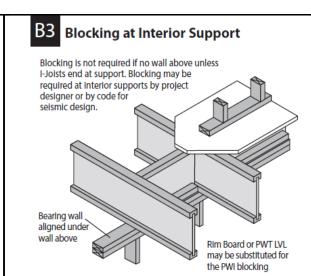
Up to a 1-1/2" diameter hole allowed anywhere

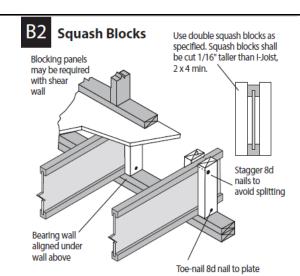
Closest distance (x) to centerline of round hole

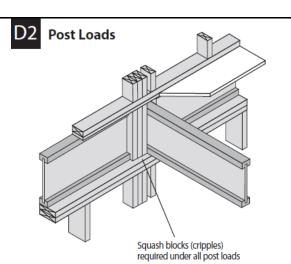
in the web. Closest spacing 1'-0" oc

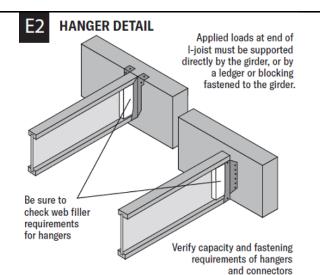
Web Hole Details

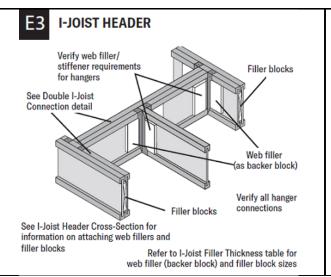


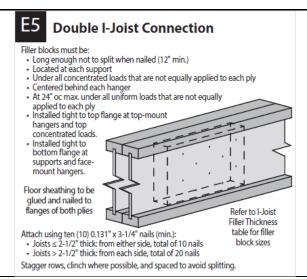












I Joist (Flush)

Label Description

J7 | PWI 20S

J4 PWI 20S

J2 PWI 20S

J8 PWI 20S

J1 PWI 20S

J5 | PWI 20S

J6 PWI 20S

J3 PWI 20S

Label Description

FB3 2.0E 2900Fb PWT

FB2 2.0E 2900Fb PWT

FB1 2.0E 2900Fb PWT

HD3 2.0E 2900Fb PW7

Beam By Others (Dropped)

Label Description

Label Description

R1 Tolko Rim Board

Plus 1.125 X 14

Pcs Description

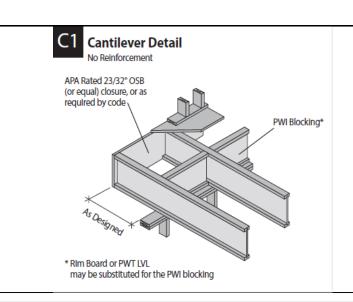
IUS2.56/14 (Min)

1 MIU5.12/14 (Min)

Rim Board

LVL/LSL (Flush)

LVL/LSL (Dropped) Label Description



Pcs

14

18

Pcs

Pcs

Pcs

Supported Member

fasteners

2 10dx1 1/2

Plies

Plies

Plies

Plies

Beam/Girder

fasteners

12 10dx1 1/2

22 10dx1 1/2

22-0-0

12-0-0

6-0-0

Depth

14

14

14

Width | Depth | Qty

Width | Depth |

1.125

Depth

2.5

2.5

2.5



2160 Satellite Blvd., Suite 450 Duluth, GA 30097 888-613-5078

FOCUSED ON EWP 8-0-0



84 Lumber-Fayetteville #2307 Length | Dealer Address 620 Belt Road Fayetteville, NC 28301 Length (910) 867-9185 Project CC2695 GL-503 CS Created February 19, 2020

> CC2695 GL-503 CS Description Caviness Land CC2695 GL-503 CS Designer

Layout Name

Kyle Militzer Revised January 31, 2025

ASD (USA) Building Code IRC 2018 Deflection Joist LL Span L/ TL Span L/ LL Cant 2L/ TL Cant 2L/

Deflection Flush Girder LL Span L/ TL Span L/ LL Cant 2L/ TL Cant 2L/ Deflection Dropped Girder

LL Span L/ TL Span L/ LL Cant 2L/ TL Cant 2L/

Deflection Header LL Span L/ TL Span L/ LL Cant 2L/ TL Cant 2L/

Decking

Decking

23/32 APA Rated Sturd-I-Floor

180

240

180

240

240

180

240

180

Nailed & Glued Fastener Legend Web Stiffener

-WS In Hanger Label Denotes Web Stiffener Point Load Support (D2 Detail) Load From Above Exterior Bearing Wall Interior Bearing Wall

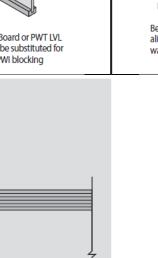
Non-Bearing Wall OSB/LSL Rim (Color Varies) PWI 18S/20S I Joist

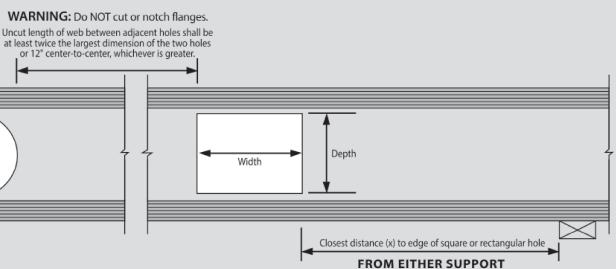
PWI 32S I Joist PWI 42S/90L I Joist

Triforce/Open Joist (Color Varies) Dropped Beam (Color Varies By Product) Flush Beam (Color Varies By Product) Field Framed Pony Wall

Column

Installation Guide shown below to gain access to the installation guide.





FROM EITHER SUPPORT CLOSEST DISTANCE (X) - (FT - IN)

SERIES	DEPTH	CIRCULAR HOLE DIAMETER										
		2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"
PWI 18S, LPI 18	9-1/2"	1'-2"	1'-10"	2'-7"	3'-3"	4'-3"	-	-	-	-	-	-
	11-7/8"	1'-0"	1'-5"	2'-1"	2'-9"	3'-6"	4'-3"	5'-5"	-	-	-	-
PWI 20S, LPI 20Plus	9-1/2"	1'-0"	1'-0"	1'-5"	2'-0"	2'-8"	-	-	-	-	-	-
	11-7/8"	1'-0"	1'-4"	1'-11"	2'-5"	2'-11"	3'-6"	4'-0"	-	-	-	-
	14"	1'-3"	1'-8"	2'-2"	2'-7"	3'-1"	3'-6"	4'-0"	4'-6"	5'-1"	-	-
	16"	1'-8"	2'-1"	2'-6"	2'-11"	3'-4"	3'-9"	4'-3"	4'-8"	5'-1"	5'-7"	6'-3"
PWI 32S, LPI 32Plus	9-1/2"	1'-0"	1'-2"	1'-11"	2'-9"	3'-6"	-	-	-	-	-	-
	11-7/8"	1'-1"	1'-9"	2'-5"	3'-0"	3'-8"	4'-4"	5'-0"	-	-	-	-
	14"	1'-8"	2'-3"	2'-10"	3'-5"	4'-0"	4'-8"	5'-3"	5'-11"	6'-7"	-	-
	16"	2'-4"	2'-10"	3'-4"	3'-11"	4'-5"	4'-11"	5'-6"	6'-1"	6'-8"	7'-4"	8'-2"
PWI 42S, LPI 42Plus	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	-	-
	16"	5'-4"	5'-10"	6'-4"	6'-10"	7'-4"	7'-10"	8'-6"	9'-3"	10'-0"	11'-0"	12'-3"
PWI 52S, LPI 52Plus	11-7/8"	5'-0"	5'-6"	6'-2"	6'-9"	7'-5"	8'-2"	8'-11"	-	-	-	-
	14"	6'-1"	6'-7"	7'-1"	7'-7"	8'-3"	8'-11"	9'-8"	10'-6"	11'-4"	-	-
	16"	7'-1"	7'-6"	7'-11"	8'-5"	9'-0"	9'-8"	10'-5"	11'-3"	12'-1"	12'-11"	13'-9"
PWI 36L, LPI 36	11-7/8"	1'-0"	2'-0"	3'-0"	4'-0"	5'-1"	6'-2"	7'-6"	-	-	-	-
	14"	1'-10"	2'-8"	3'-7"	4'-5"	5'-4"	6'-3"	7'-3"	8'-6"	9'-11"	-	-
	16"	2'-2"	3'-1"	3'-11"	4'-9"	5'-7"	6'-5"	7'-4"	8'-4"	9'-7"	10'-11"	12'-5"
PWI 56L, LPI 56	11-7/8"	3'-9"	4'-9"	5'-9"	6'-9"	7'-9"	8'-10"	9'-11"	-	-	-	-
	14"	4'-10"	5'-9"	6'-8"	7'-7"	8'-7"	9'-7"	10'-7"	11'-7"	12'-10"	-	-
	16"	6'-0"	6'-11"	7'-9"	8'-8"	9'-7"	10'-5"	11'-4"	12'-2"	13'-3"	14'-4"	15'-11"
PWI-53L, LPI 530	9-1/2"	1'-3"	2'-5"	3'-7"	4'-9"	6'-0"	-	-	-	-	-	-
	11-7/8"	1'-0"	1'-7"	2'-6"	3'-8"	4'-11"	6'-2"	7'-9"	-	-	-	-
	14"	1'-0"	1'-3"	1'-11"	2'-8"	3'-9"	4'-11"	6'-1"	7'-6"	9'-4"	-	-
	16"	1'-0"	1'-2"	1'-8"	2'-2"	2'-11"	4'-0"	5'-1"	6'-2"	7'-4"	8'-10"	11'-2"
SERIES	DEPTH	RECTANGULAR HOLE MAXIMUM DIMENSION: DEPTH OR WIDTH										
		2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"
PWI 18S, LPI 18	9-1/2"	2'-7"	3'-0"	3'-7"	4'-3"	5'-4"	5'-9"	6'-1"	6'-7"	7'-1"	7'-7"	8'-1"
	11-7/8"	3'-5"	3'-10"	4'-4"	4'-11"	5'-10"	7'-0"	8'-11"	9'-6"	10'-2"	10'-10"	-

4'-9" 5'-5" 6'-5" 7'-9" 9'-8" 10'-4" 11'-0" 11'-8" 12'-6" PWI 20S, 11-7/8" 5'-7" LPI 20Plus 3'-11" 4'-8" 6'-10" 9'-0" 3'-7" | 4'-3" | 4'-11" | 5'-8" | 6'-8" | 8'-2" | 10'-6" | 14'-5" 7'-9" 9-1/2" 7'-5" 8'-2" 5'-3" | 6'-0" | 6'-11" | 8'-1" | 9'-8" | 11'-5" | 12'-0" | 12'-6" | 13'-3" | 14'-0" PWI 32S, 5'-1" 6'-0" 7'-2" LPI 32Plus 4'-2" 8'-11" | 11'-8" | 3'-10" 4'-8" 5'-6" 6'-5" 7'-5" 8'-9" 10'-8" 13'-9" 17'-2" 7'-4" 8'-2" 9'-3" 9'-7" 9'-11" 10'-4" 10'-9" 11'-3" 11'-9" 9-1/2" 7'-2" 8'-0" 9'-0" 10'-0" 10'-11" 12'-1" 13'-8" 14'-3" 14'-11" 15'-7" 16'-6" PWI 42S, 6'-0" 6'-10" 7'-10" 9'-1" 10'-10" 12'-7" 14'-7" 15'-4" 16'-3" LPI 42Plus 5'-3" 6'-0" 6'-9" 7'-7" 8'-6" 9'-8" 11'-2" 13'-1" 15'-1" 17'-4" 20'-7"

CUT HOLES CAREFULLY! DO NOT OVERCUT HOLES DO NOT CUT JOIST FLANGES! Holes may be placed anywhere within the depth of the web. A minimum 1/4" clear distance from the flanges is recommended so as not to cut a flange.

Round holes up to 1-1/2" diameter may be placed anywhere in the web. . Holes larger than 1-1/2" are not permitted in cantilevers without special engineering.

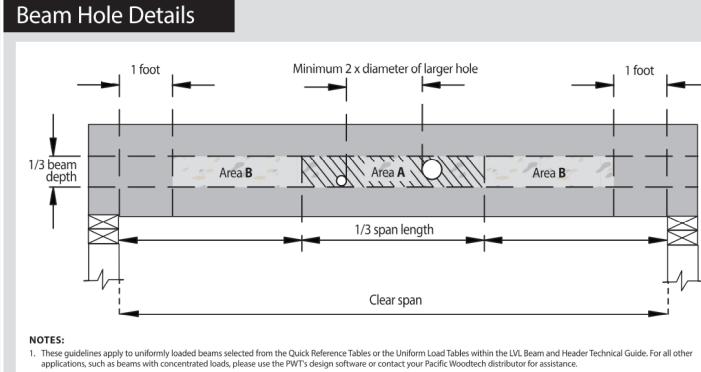
Multiple holes shall have a clear separation along the

length of the joist of at least twice the larger dimension

of the larger adjacent hole, or a minimum of 12" centerto-center, whichever is greater. Multiple holes may be spaced closer provided they fit within the boundary of an acceptable larger hole. Example: two 3" round holes aligned parallel to the joist length may be spaced 2" apart (clear distance) provided that a 3" high by 8" long rectangle or an 8" diameter

round hole are acceptable for the joist depth at that location and completely encompass the holes. These web hole tables are valid for simple and continuous span I-Joists with uniform loads only, as sized from the tables contained in PWT's current I-Joist product guides. Larger holes, non-uniform loading conditions and/or closer proximity to supports may be possible, but require further analysis using PWT's design

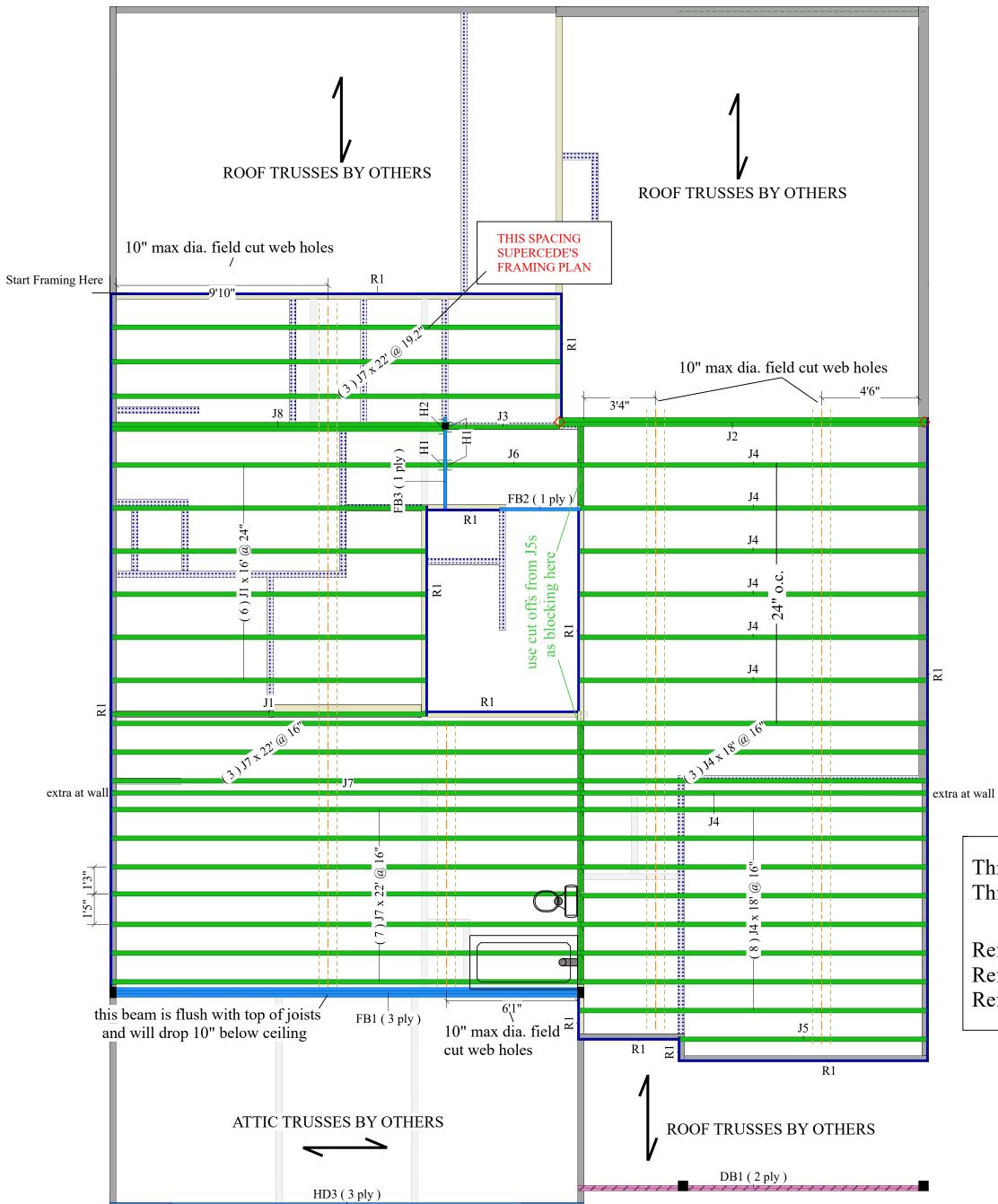
software. Please contact your local Pacific Woodtech™ distributor for more details. The maximum hole depth is the I-Joist Depth less 4," except the maximum hole depth is 6" for 9-1/2" PWIs, and 8" for 11-7/8" PWIs. Where the Maximum Hole Dimension exceeds the hole depth, the dimension refers to hole width and the depth of the hole is assumed to be the maximum for that joist depth. The maximum hole width is 18", regardless of I-Joist Depth.



Round holes can be drilled anywhere in "Area A" provided that: no more than four holes are cut, with the minimum spacing described in the diagram. The maximum hole size is 1-1/2"

6. Up to three 3/4" holes may be drilled in "Area B" to accommodate wiring and/or water lines. These holes must be at least 12" apart. The holes should be located in the middle third of

W1 Web Stiffener Detail WEB STIFFENER REQUIREMENTS 1/8" min., 1" max. gap 1/8" min., 1" max. gap PWI 36L, LPI 36 23/32" 8d (2-1/2") - 4, 8-3/4" 5, 10-7/8" 6, 12-7/8" PWI 56L, LPI 56 1-1/2" (2 x) 10d (3") - 4, 8-3/4" 5, 10-7/8" 6, 12-7/8" 1. Web stiffeners shall be installed in pairs – one to each side of the web. Web stiffeners are always required for the "Bird's Mouth" roof joist bearing deta Web stiffeners shall be cut to fit between the flanges of the PWT I-Joist, leaving a minimum 1/8" gap (1" maximum). At bearing locations, the stiffeners shall be installed tight to the bottom flange. At locations of concentrated loads, the stiffeners shall be installed tight to the top flange. 3. Web stiffeners shall be cut from APA Rated OSB (or equal) or from PWT LVL or OSB Rim Board. 2x lumber is permissible Do NOT use 1x lumber as it tends to split. Do NOT build up the required stiffener thickness from multiple pieces. 4. Web stiffeners shall be the same width as the bearing surface, with a minimum of 3-1/2." 5. See Web Stiffener Requirements for minimum stiffener thickness, maximum stiffener height and required nailing



This layout is for LP, PWT and Tolko product placement reference only. This project has sealed structural drawings which have precedence.

Refer to structural drawings for critical beam and dbl joist locations. Refer to structural drawings for details not shown here. Refer to structural drawings for dimensional lumber size and spacing.

2ND FLOOR FRAMING

SCALE: 1/4'' = 1'

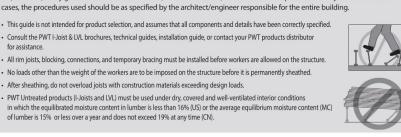
JOIST LABELING SCHEME: (QTY) MARK x LENGTH @ O.C. SPACING

Important Notes WARNING: Failure to follow proper procedures for handling, storage and installation could result in unsatisfactory performance, unsafe structures and possible collapse. These instructions are offered as a guide to good practice in the handling, storage and installation of PWT I-Joists and LVL. They are, however, solely general recommendations and, in some instances, other or additional precautions may be desirable. In all

This guide is not intended for product selection, and assumes that all components and details have been correctly specified. Consult the PWT I-Joist & LVL brochures, technical guides, installation guide, or contact your PWT products distributor No loads other than the weight of the workers are to be imposed on the structure before it is permanently sheathed.

After sheathing, do not overload joists with construction materials exceeding design loads.

of lumber is 15% or less over a year and does not exceed 19% at any time (CN).



for depths up to 9-1/4", and 2" for depths greater than 9-1/4".

For more information, contact your Pacific Woodtech distributor.

4. DO NOT drill holes in cantilevers without prior approval from the project engineer/architect.

the depth, or a minimum of 3" from the bottom and top of the beam. For beams shallower than 9-1/4," locate holes at mid-depth.

5. Other hole sizes and configurations MAY be possible with further engineering analysis.

Rectangular holes are NOT allowed.

Protect plumbing holes from moisture.

Product Substitution Warning AILURE may result if this product is stituted with other brands or products his analysis is for PACIFIC WOODTECH oducts only. US Lumber will not be held sponsible if other brands are substitute

This Material Take Off is provided as an estimate of material needed for the referenced project. It is based on information provided and standard building and construction assumptions. The Take Off is provided without representation or warranty of any kind and is in no way guaranteed to reflect the exact quantity or types of material necessary to complete the project. The customer/builder and/or the architect/engineer are responsible for reviewing and verifying the listed materials based on the way they plan to construct the project. Actual material required to complete the project may be more or less than what is reflected in the Take Off, and any shortages or overages are the sole responsibility of the customer/builder and/or the architect/engineer

For access to the PWT installation guide, please use the camera function on your mobile device and scan this QR Code or use the web address https://pwtewp.com/products/pwi-joist/#features