



PWT
FOCUSED ON EWP



NOTES:

- 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" center-to-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 joint 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 1-7/8" 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

Beam Hole Details

The diagram illustrates the placement of holes in a beam. The beam's total depth is labeled as 1/3 beam depth. The clear span is indicated. Holes are shown in the web, with Area A being the central hole and Area B being the flange areas. The distance between holes is 1/3 span length. The distance from the end of the beam to the first hole is 1 foot. The minimum diameter of the larger hole is indicated as Minimum 2 x diameter of larger hole.

NOTES:

- These guidelines apply to uniformly loaded beams selected from the Quick Reference Tables or the Uniform Load Tables within the LVL Beam and Header Technical Guide. For all other applications, such as beams with concentrated loads, please use the PWT's design software or contact your Pacific WoodTech distributor for assistance.
- 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" for depths up to 9-1/4" and 2" for depths greater than 9-1/4".
- Rectangular holes are NOT allowed.
- DO NOT drill holes in cantilevers without prior approval from the project engineer/architect.
- Other hole sizes and configurations MAY be possible with further engineering analysis. For more information, contact your Pacific WoodTech distributor.
- 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 the depth, or a minimum of 2" from the bottom and top of the beam. For beams <shallowers than 9-1/4" locate holes at mid-depth.
- Protect plumbing holes from moisture.



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

Revised January 27, 2025	
2nd Flr	
Design Method	ASD (USA)
Building Code	IRC 2021
Floor	
Loads	
Live	40
Dead	10
Deflection Joist	
LL Span L/	480
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Deflection Flush Girder	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Deflection Dropped Girder	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Deflection Header	
LL Span L/	360
TL Span L/	240
LL Cant 2L/	240
TL Cant 2L/	180
Decking	
Decking	OSB
	23/32 APA Rated Sturd-I-Floor
Fastener	Nailed & Glued

Legend

- WS 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 48S/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

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.

Installation Guide

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 shown below to gain access to the installation guide.

<https://pwtewp.com/products/pwi-joint/#features>