













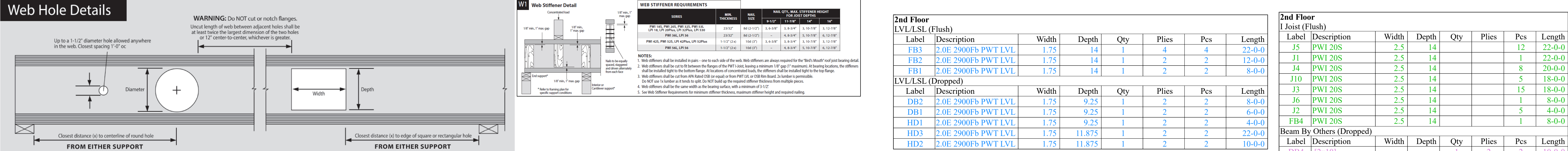




Project	73124
Created	March 30, 2015
Layout Name	202504-73124
Description	Caviness Land CL3034-GR-CS470

2nd Floor	
Design Method	ASD (USA)
Building Code	IRC 2021

Legend	
WS	Web Stiffener
-WS	In Hanger Label Denotes Web Stiffener
PS	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



NOTES:

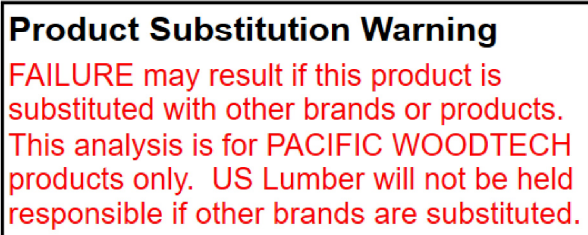
1. CUT HOLES CAREFULLY DO NOT OVERCUT HOLES! DO NOT CUT JOIST FLANGES!
2. Holes may be placed anywhere within the depth of the web. A minimum 1/4" clear distance from the flanges is recommended so as not to cut a flange.
3. Round holes up to 1-1/2" diameter may be placed anywhere in the web.
4. Holes larger than 1-1/2" are not permitted in cantilevers without special engineering.
5. 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 1/2" center-to-center, whichever is greater.
6. 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.
7. 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.
8. The maximum hole depth is the I-joist Depth less 4" except the maximum hole depth is 4" for 11-7/8" PWA, and 6" for 11-7/8" PWB. 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 1/2" regardless of I-joist Depth.

Beam Hole Details

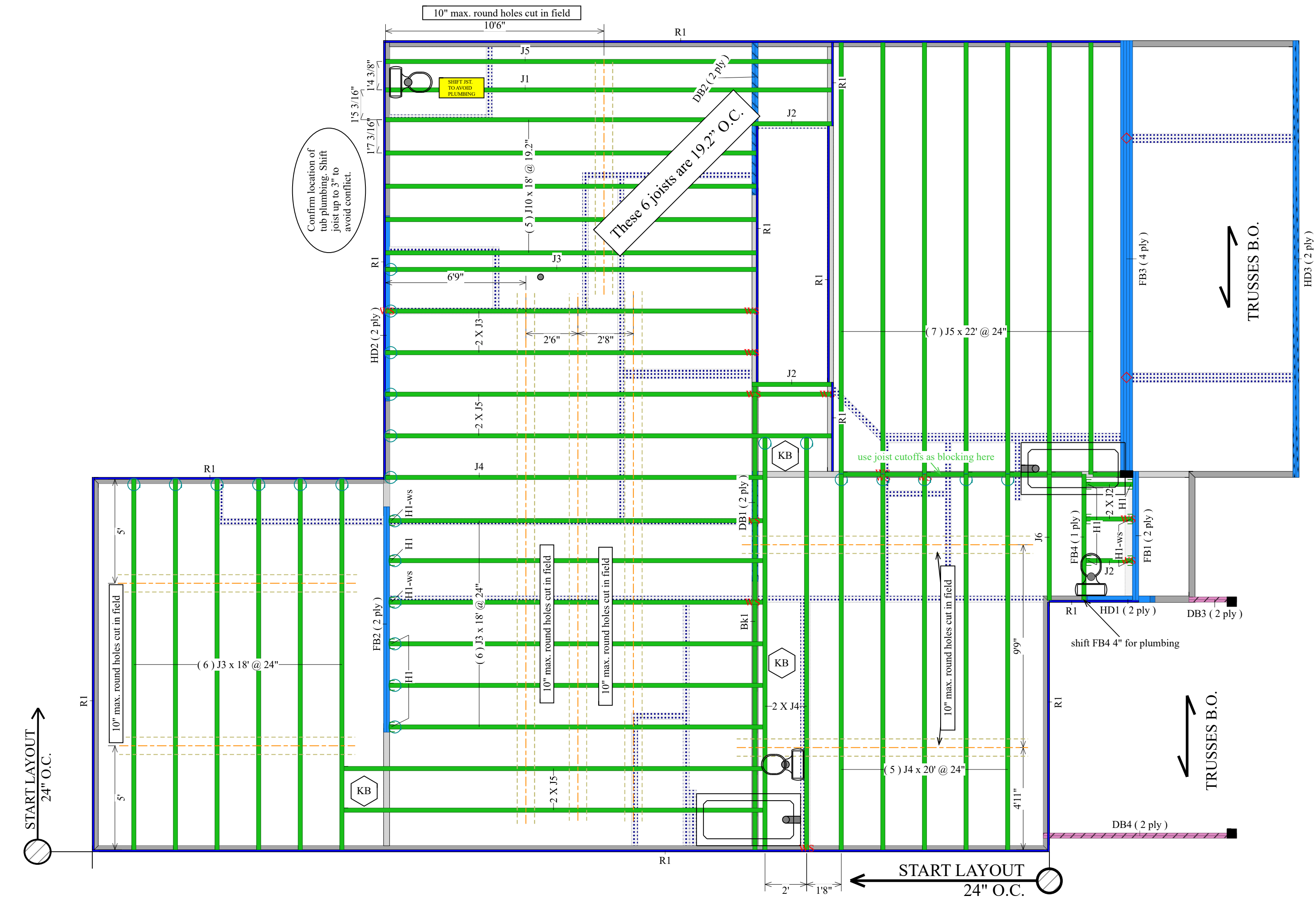
The diagram illustrates the details for beam holes in a cross-section of a beam. The total depth of the beam is labeled as 1/3 beam depth. The distance from the top flange to the center of the hole is labeled as 1 foot. The distance from the center of the hole to the bottom flange is labeled as Minimum 2 x diameter of larger hole. The distance from the center of the hole to the right edge of the beam is labeled as 1 foot. The diagram shows three areas: Area A (the central hole) and two Area B regions (the areas on either side of the hole). The distance from the center of the hole to the center of the beam is labeled as 1/3 span length. The distance from the center of the hole to the right edge of the beam is labeled as Clear span. The diagram also shows a cross-section of a beam with a hole, with dimensions 1/3 beam depth, 1 foot, Minimum 2 x diameter of larger hole, 1 foot, 1/3 span length, and Clear span.

NOTES:

1. 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.
2. Round holes can be drilled anywhere in 1/4" R 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".
3. Rectangular holes are NOT allowed.
4. DO NOT drill holes in cantilevers without prior approval from the project engineer/architect.
5. Other hole sizes and configurations MAY be possible with further engineering analysis. For more information, contact your Pacific Woodtech distributor.
6. Up to three 1/4" holes may be drilled in 8" beam D to accommodate wiring and/or water lines. These holes must be at least 1/2" apart. The holes should be located in the middle third of 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.
7. Protect plumbing holes from moisture.



2nd Floor							
1 Joist (Flush)							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
J5	PW1 20S	2.5	14			12	22-0-0
J1	PW1 20S	2.5	14			1	22-0-0
J4	PW1 20S	2.5	14			8	20-0-0
J10	PW1 20S	2.5	14			5	18-0-0
J3	PW1 20S	2.5	14			15	18-0-0
J6	PW1 20S	2.5	14			1	8-0-0
J2	PW1 20S	2.5	14			5	4-0-0
FB4	PW1 20S	2.5	14			1	8-0-0
Beam By Others (Dropped)							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
DB4	[2x10]			1	2	2	10-0-0
DB3	[2x10]			1	2	2	4-0-0
Rim Board							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
R1	Tolko Rim Board Plus 1.125 X 14	1.125	14			16	12-0-0
Blocking							
Label	Description	Width	Depth	Qty	Plies	Pcs	Length
Bk1	PW1 20S	2.5	14	LinFt		Varies	20-0-0
Hanger					Beam/Girder		
Label	Pcs	Description			fasteners		
H1	12	IUS2.56/14 (Min)			12 10d		



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



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-joist/#features>