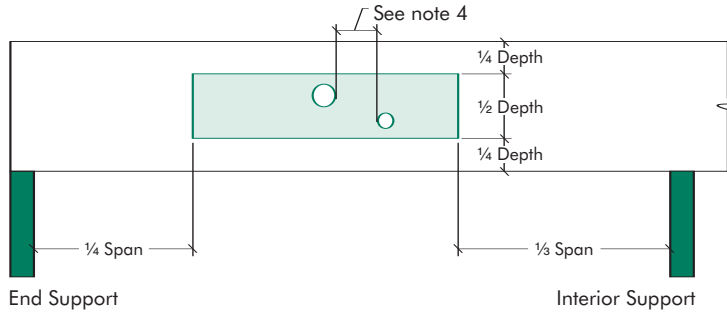


THESE INSTRUCTIONS APPLY TO LVL BEAMS ONLY. REFER TO THE INSTALLATION GUIDE FOR I-JOIST INSTRUCTIONS.

SMALL ROUND HOLES

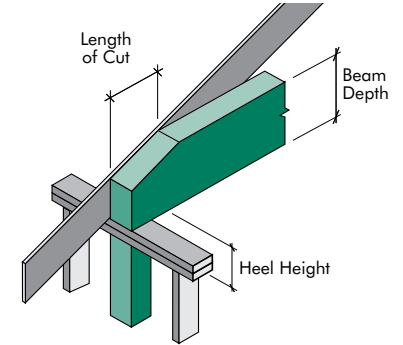


Notes:

1. This technical note applies only to uniformly loaded, simple and multiple span beams. Beams that carry concentrated loads, or cantilevered beams, are outside the scope of this technical note.
2. Square and rectangular holes are not permitted.
3. Round holes may be drilled or cut with a hole saw anywhere within the shaded area of the beam.
4. The horizontal distance between adjacent holes must be at least two times the size of the larger hole. This restriction also applies to the location of access holes relative to bolt holes in multi-ply beams.
5. Do not drill more than three access holes in any four foot long section of beam.
6. The maximum round hole diameter permitted is:

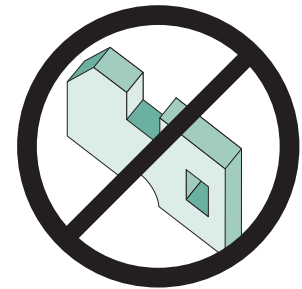
Beam Depth	5 1/2"	7 1/4"	9 1/2"	11 7/8"	14"	16"
Max Hole Diam.	3/4"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
7. These limitations apply to holes drilled for plumbing or wiring access only. The size and location of holes drilled for fasteners are governed by the provisions of the *National Design Specification® for Wood Construction*.
8. Beams deflect under load. Size holes to provide clearance where required.

TAPERED END CUT



NOTCHES & HOLES

Do not cut, notch or drill holes in PWLVL except as noted in this brochure.



1.5E PWLVL

TAPERED END CUT ALLOWABLE REACTION 1.5E PWLVL

Roof Slope in 12	Beam Depth (in)		9 1/2											
	Type of Roof Framing		Truss						Rafter					
	Rafter/Chord Size		3 1/2		5 1/2		5 1/2		7 1/4		9 1/4		11 1/4	
Beam Bearing Length (in)		3 1/2	5 1/4	3 1/2	5 1/4	3 1/2	5 1/4	3 1/2	5 1/4	3 1/2	5 1/4	3 1/2	5 1/4	
4	Heel Height (in)	3 3/8	3 3/8	6	6	4 3/8	4	6 3/8	5 7/8	8 1/2	8	9 1/2	9 1/2	
	Length of Cut (in)	17	17	10 3/8	10 3/8	14 7/8	16 3/8	9 3/8	11 3/8	3	4 3/4	0	0	
	Allowable Reaction (lbs)	2557	2856	3639	3939	2912	2912	3859	3859	No Effect	No Effect	No Effect	No Effect	
6	Heel Height (in)	4 1/8	4 1/8	6 3/8	6 3/8	4 3/8	3 1/2	6 1/4	5 3/8	8 1/2	7 3/8	9 1/2	9 1/2	
	Length of Cut (in)	10 7/8	10 7/8	6 3/8	6 3/8	10 3/8	12 3/8	6 1/2	8 1/4	2	3 3/4	0	0	
	Allowable Reaction (lbs)	2971	3420	4119	4568	3092	3092	4097	4097	No Effect	No Effect	No Effect	No Effect	
8	Heel Height (in)	4 3/8	4 3/8	6 3/8	6 3/8	4 3/8	-	6 3/8	5 3/8	8 3/4	7 3/8	9 1/2	9 1/2	
	Length of Cut (in)	7 3/4	7 3/4	4 3/8	4 3/8	8	-	4 3/4	6 1/2	1 1/4	3	0	0	
	Allowable Reaction (lbs)	3421	4020	4655	No Effect	3329	-	4409	4409	No Effect	No Effect	No Effect	No Effect	
10	Heel Height (in)	4 3/4	4 3/4	7 3/8	7 3/8	4 3/8	-	6 1/2	5	9	7 3/8	9 1/2	9 1/2	
	Length of Cut (in)	5 3/4	5 3/4	2 3/8	2 3/8	6 3/8	-	3 3/8	5 3/8	1 1/2	2 1/4	0	0	
	Allowable Reaction (lbs)	3900	4649	No Effect	No Effect	3611	-	4780	4780	No Effect	No Effect	No Effect	No Effect	
12	Heel Height (in)	5 1/8	5 1/8	8	8	4 3/4	-	6 3/4	5	9 1/2	7 3/4	9 1/2	9 1/2	
	Length of Cut (in)	4 3/4	4 3/4	1 1/2	1 1/2	5 1/4	-	2 3/4	4 1/2	0	1 3/4	0	0	
	Allowable Reaction (lbs)	4402	No Effect	No Effect	No Effect	3929	-	No Effect	No Effect	No Effect	No Effect	No Effect	No Effect	

See "NOTES" on page 2 and "HOW TO USE THESE TABLES" on page 4

TAPERED END CUT ALLOWABLE REACTION 1.5E PWLVL (CONTINUED)

Roof Slope in 12	Beam Depth (in)	11½											
	Type of Roof Framing	Truss					Rafter						
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	-	-	6	6	4½	-	6½	5½	8½	8	10½	10
	Length of Cut (in)	-	-	17¾	17¾	22	-	16½	18¼	10½	11½	3½	5½
	Allowable Reaction (lbs)	-	-	3639	3939	2912	-	3859	3859	4941	4941	5206	6023
6	Heel Height (in)	4½	4½	6½	6½	4½	-	6¼	5½	8½	7½	10¼	9½
	Length of Cut (in)	15½	15½	11½	11½	15½	-	11¼	13	6¼	8½	2¼	4
	Allowable Reaction (lbs)	2971	3420	4119	4568	3092	-	4097	4097	5206	5245	No Effect	No Effect
8	Heel Height (in)	4¾	4¾	6¾	6¾	4¼	-	6½	5½	8¾	7½	11½	10
	Length of Cut (in)	11¼	11¼	7½	7½	11½	-	8½	10½	4¾	6½	1½	2½
	Allowable Reaction (lbs)	3421	4020	4655	5254	3329	-	4409	4409	5206	5643	No Effect	No Effect
10	1Heel Height (in)	4¾	4¾	7½	7½	4½	-	6½	5	9	7½	11½	10¼
	Length of Cut (in)	8½	8½	5½	5½	9¼	-	6½	8¼	3½	5½	¼	2
	Allowable Reaction (lbs)	3900	4649	5206	5985	3611	-	4780	4780	No Effect	No Effect	No Effect	No Effect
12	Heel Height (in)	5½	5½	8	8	4¼	-	6¼	5	9½	7¾	11¾	10½
	Length of Cut (in)	6¾	6¾	3½	3½	7½	-	5½	6½	2½	4½	0	1¼
	Allowable Reaction (lbs)	4402	5300	5206	No Effect	3929	-	5199	5199	No Effect	No Effect	No Effect	No Effect

Roof Slope in 12	Beam Depth (in)	14											
	Type of Roof Framing	Truss					Rafter						
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	-	-	6	6	-	-	6½	5½	8½	8	10½	10
	Length of Cut (in)	-	-	24½	24½	-	-	22½	24½	16½	18¼	10¼	12
	Allowable Reaction (lbs)	-	-	3639	3939	-	-	3859	3859	4941	4941	5206	6023
6	Heel Height (in)	-	-	6½	6½	-	-	6¼	5½	8½	7½	10¼	9½
	Length of Cut (in)	-	-	15½	15½	-	-	15½	17¼	11	12¼	6½	8¼
	Allowable Reaction (lbs)	-	-	4119	4568	-	-	4097	4097	5206	5245	5206	6392
8	Heel Height (in)	-	-	6¾	6¾	-	-	6½	5½	8¾	7½	11½	10
	Length of Cut (in)	-	-	10¾	10¾	-	-	11½	13¼	8	9¼	4¾	6½
	Allowable Reaction (lbs)	-	-	4655	5254	-	-	4409	4409	5206	5643	5206	6877
10	1Heel Height (in)	4¾	4¾	7½	7½	-	-	6½	5	9	7½	11½	10¼
	Length of Cut (in)	11¼	11¼	8	8	-	-	9½	10½	6	7¾	2½	4½
	Allowable Reaction (lbs)	3900	4649	5206	5985	-	-	4780	4780	5206	6117	No Effect	No Effect
12	Heel Height (in)	5½	5½	8	8	-	-	6¼	5	9½	7¾	12½	10½
	Length of Cut (in)	8½	8½	6	6	-	-	7¼	9	4½	6¼	1½	3½
	Allowable Reaction (lbs)	4402	5300	5206	6752	-	-	5199	5199	5206	6651	No Effect	No Effect

Roof Slope in 12	Beam Depth (in)	16											
	Type of Roof Framing	Truss					Rafter						
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	-	-	6	6	-	-	6½	5½	8½	8	10½	10
	Length of Cut (in)	-	-	30½	30½	-	-	28½	30½	22½	24¼	16¼	18
	Allowable Reaction (lbs)	-	-	3639	3939	-	-	3859	3859	4941	4941	5206	6023
6	Heel Height (in)	-	-	6½	6½	-	-	6¼	5½	8½	7½	10¼	9½
	Length of Cut (in)	-	-	19¾	19¾	-	-	19½	21¼	15	16¾	10½	12¼
	Allowable Reaction (lbs)	-	-	4119	4568	-	-	4097	4097	5206	5245	5206	6392
8	Heel Height (in)	-	-	6¾	6¾	-	-	6½	-	8¾	7½	11½	10
	Length of Cut (in)	-	-	13¾	13¾	-	-	14½	-	11	12¾	7¾	9½
	Allowable Reaction (lbs)	-	-	4655	5254	-	-	4409	-	5206	5643	5206	6877
10	1Heel Height (in)	-	-	7½	7½	-	-	6½	-	9	7½	11½	10¼
	Length of Cut (in)	-	-	10½	10½	-	-	11½	-	8½	10½	5¼	7
	Allowable Reaction (lbs)	-	-	5206	5985	-	-	4780	-	5206	6117	5206	7453
12	Heel Height (in)	-	-	8	8	-	-	6¼	-	9½	7¾	12½	10½
	Length of Cut (in)	-	-	8	8	-	-	9¼	-	6½	8¼	3½	5½
	Allowable Reaction (lbs)	-	-	5206	6752	-	-	5199	-	5206	6651	5206	7809

Roof Slope in 12	Beam Depth (in)	18											
	Type of Roof Framing	Truss					Rafter						
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	-	-	-	-	-	-	6½	5½	8½	8	10½	10
	Length of Cut (in)	-	-	-	-	-	-	34½	36½	28½	30¼	22¼	24
	Allowable Reaction (lbs)	-	-	-	-	-	-	3859	3859	4941	4941	5206	6023
6	Heel Height (in)	-	-	6½	6½	-	-	6¼	-	8½	7½	10¼	9½
	Length of Cut (in)	-	-	23¾	23¾	-	-	23½	-	19	20¾	14½	16¼
	Allowable Reaction (lbs)	-	-	4119	4568	-	-	4097	-	5206	5245	5206	6392
8	Heel Height (in)	-	-	6¾	6¾	-	-	6½	-	8¾	7½	11½	10
	Length of Cut (in)	-	-	16¾	16¾	-	-	17½	-	14	15¾	10½	12½
	Allowable Reaction (lbs)	-	-	4655	5254	-	-	4409	-	5206	5643	5206	6877
10	1Heel Height (in)	-	-	7½	7½	-	-	6½	-	9	7½	11½	10¼
	Length of Cut (in)	-	-	12¾	12¾	-	-	13½	-	10¾	12½	7¾	9½
	Allowable Reaction (lbs)	-	-	5206	5985	-	-	4780	-	5206	6117	5206	7453
12	Heel Height (in)	-	-	8	8	-	-	6¼	-	9½	7¾	12½	10½
	Length of Cut (in)	-	-	10	10	-	-	11¼	-	8½	10¼	5½	7½
	Allowable Reaction (lbs)	-	-	5206	6752	-	-	5199	-	5206	6651	5206	7809

- Notes:**
- This table applies to beams with heel heights greater than or equal to one third of the beam depth, and lengths of cuts less than or equal to three times the beam depth.
 - Roof slopes and rafter/chord sizes are provided as references. Beam capacity is determined by heel height and length of cut.
 - Allowable reaction values may be limited by a 425 psi bearing stress on the support (S-P-F plate). No increase for duration of load is permitted.
 - This table applies to 1.5E grade of Pacific Woodtech LVL.

1.8E & 2.0E PWLVL

TAPERED END CUT ALLOWABLE REACTION 1.8E AND 2.0E PWLVL

Roof Slope in 12	Beam Depth (in)	9½											
	Type of Roof Framing	Truss						Rafter					
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	3⅞	3⅞	6	6	4⅞	4	6⅞	5⅞	8½	8	9½	9½
	Length of Cut (in)	17	17	10⅞	10⅞	14⅞	16⅞	9⅞	11⅞	3	4¾	0	0
	Allowable Reaction (lbs)	3312	3700	4714	5102	3772	3772	4999	4999	No Effect	No Effect	No Effect	No Effect
6	Heel Height (in)	4⅞	4⅞	6⅞	6⅞	4⅞	3½	6¼	5⅞	8½	7⅞	9½	9½
	Length of Cut (in)	10⅞	10⅞	6⅞	6⅞	10⅞	12⅞	6¼	8¼	2	3¾	0	0
	Allowable Reaction (lbs)	3849	4431	5206	5918	4006	4006	5206	5307	No Effect	No Effect	No Effect	No Effect
8	Heel Height (in)	4⅞	4⅞	6¼	6¼	4¼	–	6⅞	5⅞	8¾	7½	9½	9½
	Length of Cut (in)	7¾	7¾	4¼	4¼	8	–	4¾	6½	1¼	3	0	0
	Allowable Reaction (lbs)	4432	5208	5206	No Effect	4313	–	5206	5711	No Effect	No Effect	No Effect	No Effect
10	Heel Height (in)	4¾	4¾	7⅞	7⅞	4⅞	–	6½	5	9	7⅞	9½	9½
	Length of Cut (in)	5¾	5¾	2⅞	2⅞	6⅞	–	3⅞	5⅞	½	2¼	0	0
	Allowable Reaction (lbs)	5052	6022	No Effect	No Effect	4678	–	5206	6193	No Effect	No Effect	No Effect	No Effect
12	Heel Height (in)	5⅞	5⅞	8	8	4¼	–	6¾	5	9½	7¾	9½	9½
	Length of Cut (in)	4⅞	4⅞	1½	1½	5¼	–	2¾	4½	0	1¾	0	0
	Allowable Reaction (lbs)	5206	No Effect	No Effect	No Effect	5089	–	No Effect	No Effect	No Effect	No Effect	No Effect	No Effect

Roof Slope in 12	Beam Depth (in)	11⅞											
	Type of Roof Framing	Truss						Rafter					
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	–	–	6	6	4⅞	–	6⅞	5⅞	8½	8	10⅞	10
	Length of Cut (in)	–	–	17¾	17¾	22	–	16½	18¼	10⅞	11⅞	3⅞	5⅞
	Allowable Reaction (lbs)	–	–	4714	5102	3772	–	4999	4999	5206	6401	5206	7803
6	Heel Height (in)	4⅞	4⅞	6⅞	6⅞	4⅞	–	6¼	5⅞	8½	7⅞	10¾	9⅞
	Length of Cut (in)	15⅞	15⅞	11⅞	11⅞	15⅞	–	11¼	13	6¾	8½	2¼	4
	Allowable Reaction (lbs)	3849	4431	5206	5918	4006	–	5206	5307	5206	6794	No Effect	No Effect
8	Heel Height (in)	4⅞	4⅞	6¼	6¼	4¼	–	6⅞	5⅞	8¾	7½	11⅞	10
	Length of Cut (in)	11¼	11¼	7⅞	7⅞	11½	–	8⅞	10⅞	4¾	6½	1⅞	2⅞
	Allowable Reaction (lbs)	4432	5208	5206	6806	4313	–	5206	5711	5206	7310	No Effect	No Effect
10	Heel Height (in)	4¾	4¾	7⅞	7⅞	4⅞	–	6½	5	9	7⅞	11⅞	10¼
	Length of Cut (in)	8⅞	8⅞	5½	5½	9¼	–	6½	8¼	3⅞	5⅞	¼	2
	Allowable Reaction (lbs)	5052	6022	5206	7753	4678	–	5206	6193	No Effect	No Effect	No Effect	No Effect
12	Heel Height (in)	5⅞	5⅞	8	8	4¼	–	6¾	5	9½	7¾	11⅞	10⅞
	Length of Cut (in)	6¾	6¾	3⅞	3⅞	7⅞	–	5⅞	6⅞	2⅞	4⅞	0	1¼
	Allowable Reaction (lbs)	5206	6866	5206	No Effect	5089	–	5206	6735	No Effect	No Effect	No Effect	No Effect

Roof Slope in 12	Beam Depth (in)	14											
	Type of Roof Framing	Truss						Rafter					
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	–	–	6	6	–	–	6⅞	5⅞	8½	8	10⅞	10
	Length of Cut (in)	–	–	24⅞	24⅞	–	–	22⅞	24⅞	16½	18¼	10¼	12
	Allowable Reaction (lbs)	–	–	4714	5102	–	–	4999	4999	5206	6401	5206	7803
6	Heel Height (in)	–	–	6⅞	6⅞	–	–	6¼	5⅞	8½	7⅞	10¾	9⅞
	Length of Cut (in)	–	–	15⅞	15⅞	–	–	15½	17¼	11	12¾	6¼	8¼
	Allowable Reaction (lbs)	–	–	5206	5918	–	–	5206	5307	5206	6794	5206	7809
8	Heel Height (in)	–	–	6¼	6¼	–	–	6⅞	5⅞	8¾	7½	11⅞	10
	Length of Cut (in)	–	–	10⅞	10⅞	–	–	11½	13¼	8	9¾	4⅞	6⅞
	Allowable Reaction (lbs)	–	–	5206	6806	–	–	5206	5711	5206	7310	5206	7809
10	Heel Height (in)	4¾	4¾	7⅞	7⅞	–	–	6½	5	9	7⅞	11⅞	10¼
	Length of Cut (in)	11⅞	11⅞	8	8	–	–	9⅞	10⅞	6	7¾	2⅞	4⅞
	Allowable Reaction (lbs)	5052	6022	5206	7753	–	–	5206	6193	5206	7809	No Effect	No Effect
12	Heel Height (in)	5⅞	5⅞	8	8	–	–	6¾	5	9½	7¾	12⅞	10⅞
	Length of Cut (in)	8⅞	8⅞	6	6	–	–	7¼	9	4½	6¼	1⅞	3⅞
	Allowable Reaction (lbs)	5206	6866	5206	7809	–	–	5206	6735	5206	7809	No Effect	No Effect

Roof Slope in 12	Beam Depth (in)	16											
	Type of Roof Framing	Truss						Rafter					
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	–	–	6	6	–	–	6⅞	5⅞	8½	8	10⅞	10
	Length of Cut (in)	–	–	30⅞	30⅞	–	–	28⅞	30⅞	24¼	24¼	16¼	18
	Allowable Reaction (lbs)	–	–	4714	5102	–	–	4999	4999	5206	6401	5206	7803
6	Heel Height (in)	–	–	6⅞	6⅞	–	–	6¼	5⅞	8½	7⅞	10¾	9⅞
	Length of Cut (in)	–	–	19⅞	19⅞	–	–	19½	21¼	15	16¾	10½	12¼
	Allowable Reaction (lbs)	–	–	5206	5918	–	–	5206	5307	5206	6794	5206	7809
8	Heel Height (in)	–	–	6¼	6¼	–	–	6⅞	–	8¾	7½	11⅞	10
	Length of Cut (in)	–	–	13⅞	13⅞	–	–	14½	–	11	12¾	7⅞	9⅞
	Allowable Reaction (lbs)	–	–	5206	6806	–	–	5206	–	5206	7310	5206	7809
10	Heel Height (in)	–	–	7⅞	7⅞	–	–	6½	–	9	7⅞	11⅞	10¼
	Length of Cut (in)	–	–	10⅞	10⅞	–	–	11½	–	8⅞	10⅞	5¼	7
	Allowable Reaction (lbs)	–	–	5206	7753	–	–	5206	–	5206	7809	5206	7809
12	Heel Height (in)	–	–	8	8	–	–	6¾	–	9½	7¾	12⅞	10⅞
	Length of Cut (in)	–	–	8	8	–	–	9¼	–	6½	8¼	3⅞	5⅞
	Allowable Reaction (lbs)	–	–	5206	7809	–	–	5206	–	5206	7809	5206	7809

See "NOTES" and "HOW TO USE THESE TABLES" on page 4.

TAPERED END CUT ALLOWABLE REACTION 1.8E AND 2.0E PWLVL (CONTINUED)

Roof Slope in 12	Beam Depth (in)	18											
	Type of Roof Framing	Truss						Rafter					
	Rafter/Chord Size	3½		5½		5½		7¼		9¼		11¼	
	Beam Bearing Length (in)	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼	3½	5¼
4	Heel Height (in)	-	-	-	-	-	-	6¾	5¾	8½	8	10¾	10
	Length of Cut (in)	-	-	-	-	-	-	34¾	36¾	28½	30¼	22¼	24
	Allowable Reaction (lbs)	-	-	-	-	-	-	4999	4999	5206	6401	5206	7803
6	Heel Height (in)	-	-	6¾	6¾	-	-	6¼	-	8½	7¾	10¾	9¾
	Length of Cut (in)	-	-	23¾	23¾	-	-	23½	-	19	20¾	14½	16¼
	Allowable Reaction (lbs)	-	-	5206	5918	-	-	5206	-	5206	6794	5206	7809
8	Heel Height (in)	-	-	6¾	6¾	-	-	6¾	-	8¾	7½	11¾	10
	Length of Cut (in)	-	-	16¾	16¾	-	-	17½	-	14	15¾	10¾	12¾
	Allowable Reaction (lbs)	-	-	5206	6806	-	-	5206	-	5206	7310	5206	7809
10	Heel Height (in)	-	-	7¾	7¾	-	-	6½	-	9	7¾	11¾	10¼
	Length of Cut (in)	-	-	12¾	12¾	-	-	13¾	-	10¾	12½	7¾	9¾
	Allowable Reaction (lbs)	-	-	5206	7753	-	-	5206	-	5206	7809	5206	7809
12	Heel Height (in)	-	-	8	8	-	-	6¾	-	9½	7¾	12¾	10¾
	Length of Cut (in)	-	-	10	10	-	-	11¼	-	8½	10¼	5¾	7¾
	Allowable Reaction (lbs)	-	-	5206	7809	-	-	5206	-	5206	7809	5206	7809

- Notes:**
1. This table applies to beams with heel heights greater than or equal to one third of the beam depth, and lengths of cuts less than or equal to three times the beam depth.
 2. Roof slopes and rafter/chord sizes are provided as references. Beam capacity is determined by heel height and length of cut.
 3. Allowable reaction values may be limited by a 425 psi bearing stress on the support (S-P-F plate). No increase for duration of load is permitted.
 4. This table applies to both 1.8E and 2.0E grades of Pacific Woodtech LVL.

HOW TO USE THESE TABLES

1. Size the beam by means of load tables, span tables or analysis software. This table is used only to check the reduced reaction capacity of the beam due to the tapered end cut.
2. Find the section of this table that corresponds to the beam depth determined in Step 1 and the type of roof framing adjacent to the beam support – truss or rafter.
3. Find the column in that section that corresponds to the appropriate rafter or truss chord size and beam bearing length (width of support).
4. Scan down that column to the rows that correspond to the appropriate roof slope (refer to the first column for roof slopes).
5. The allowable reaction value applies to a 3½” wide beam that has a heel height greater than or equal to the dimension shown, and a length of cut less than or equal to the dimension shown. Multiply the allowable reaction value by 0.50 for 1¾” beams, 1.50 for 5¼” beams, and 2.00 for 7” beams.