

PKjoist

by PinkWood LTD.

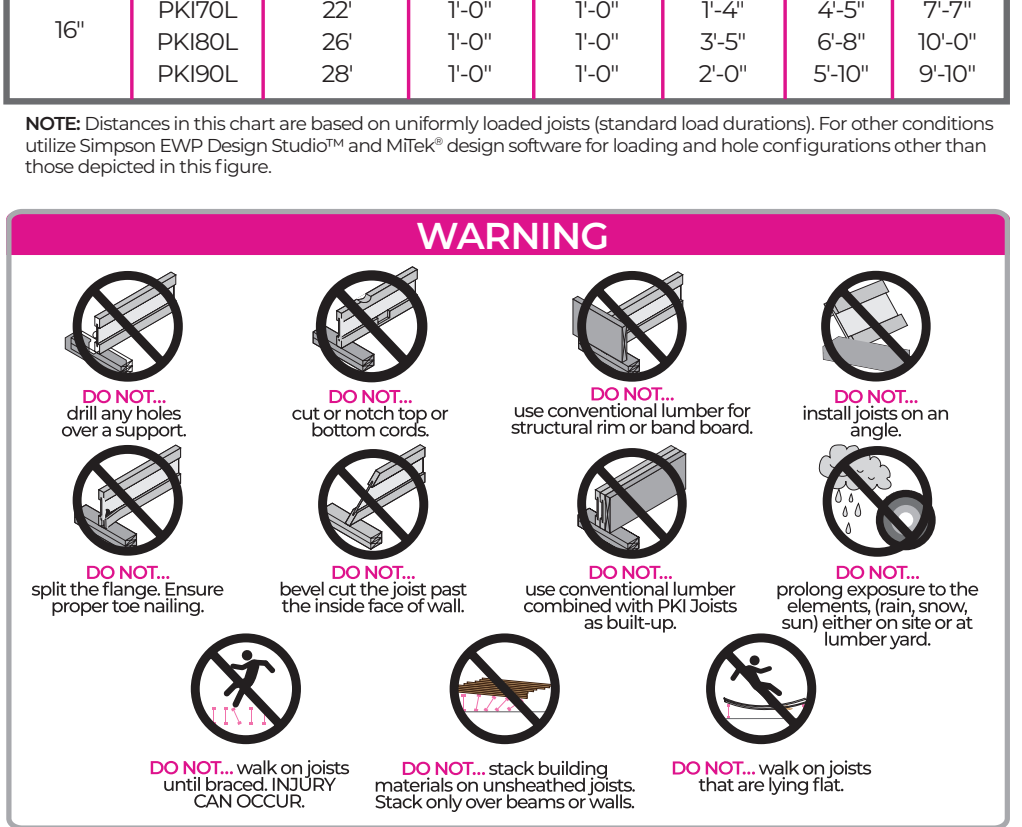
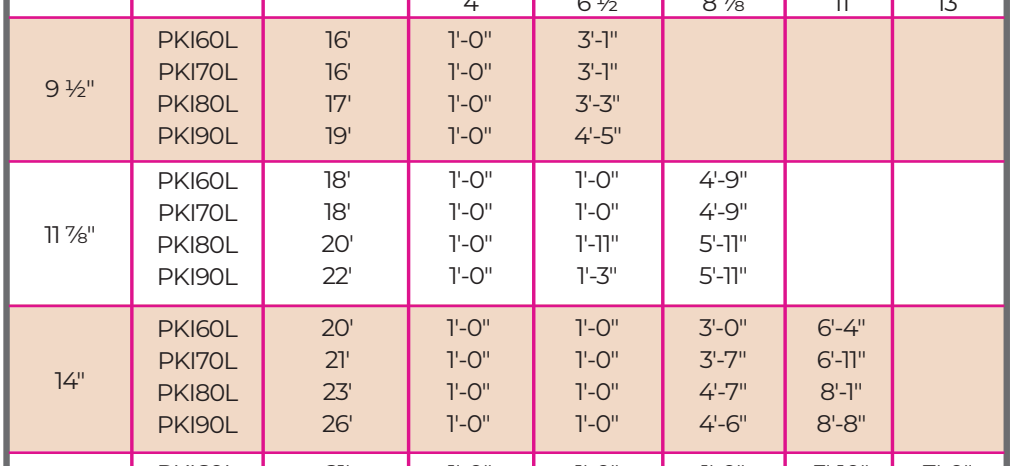
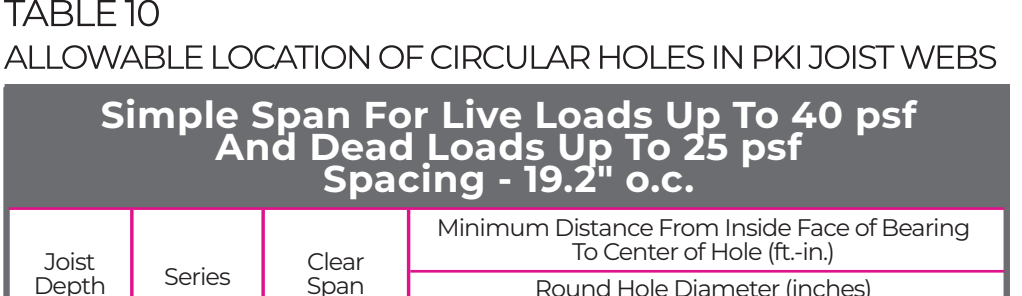
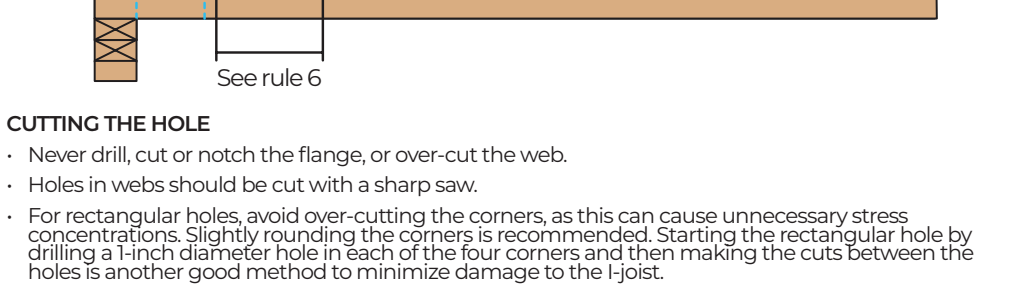
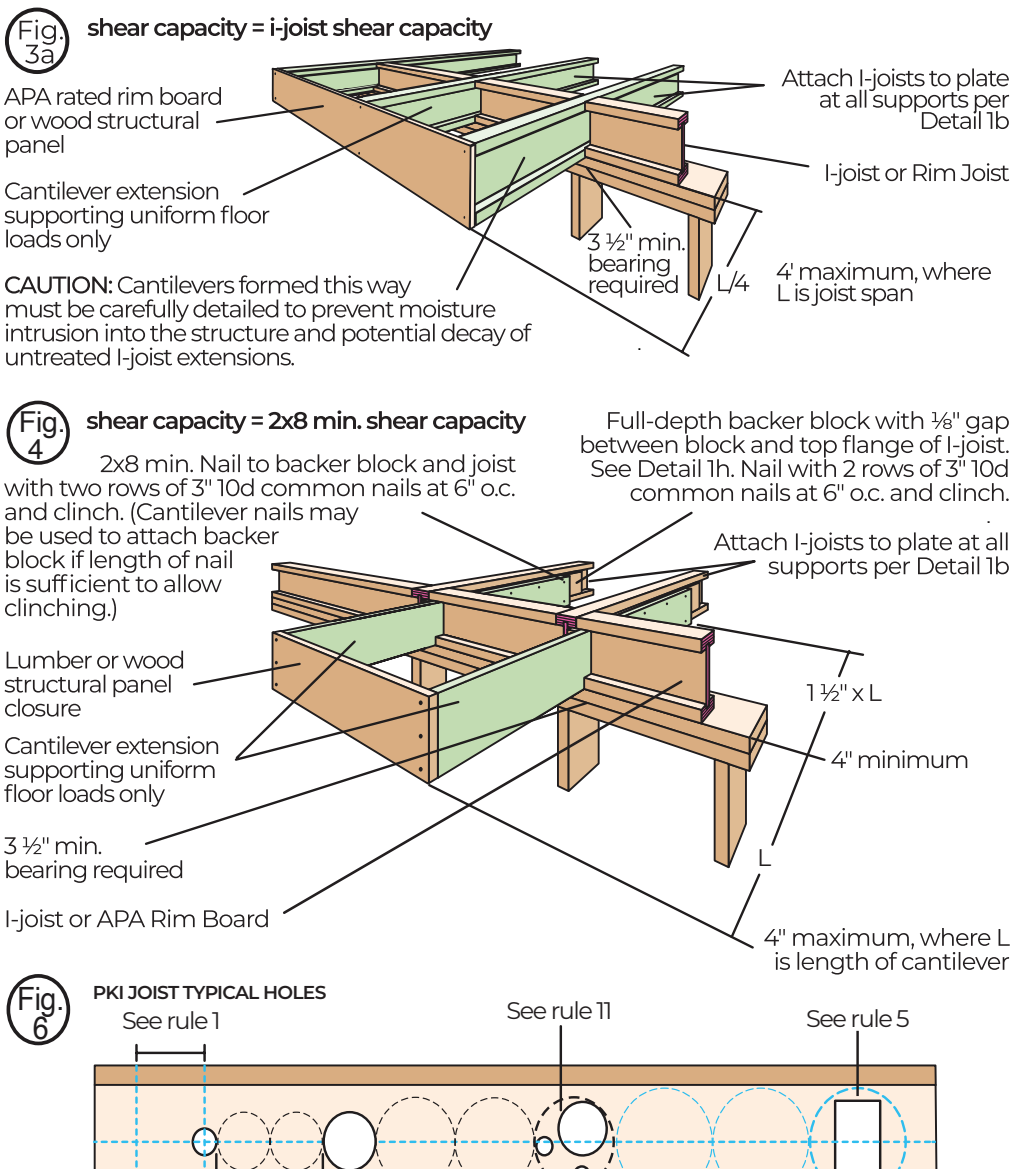
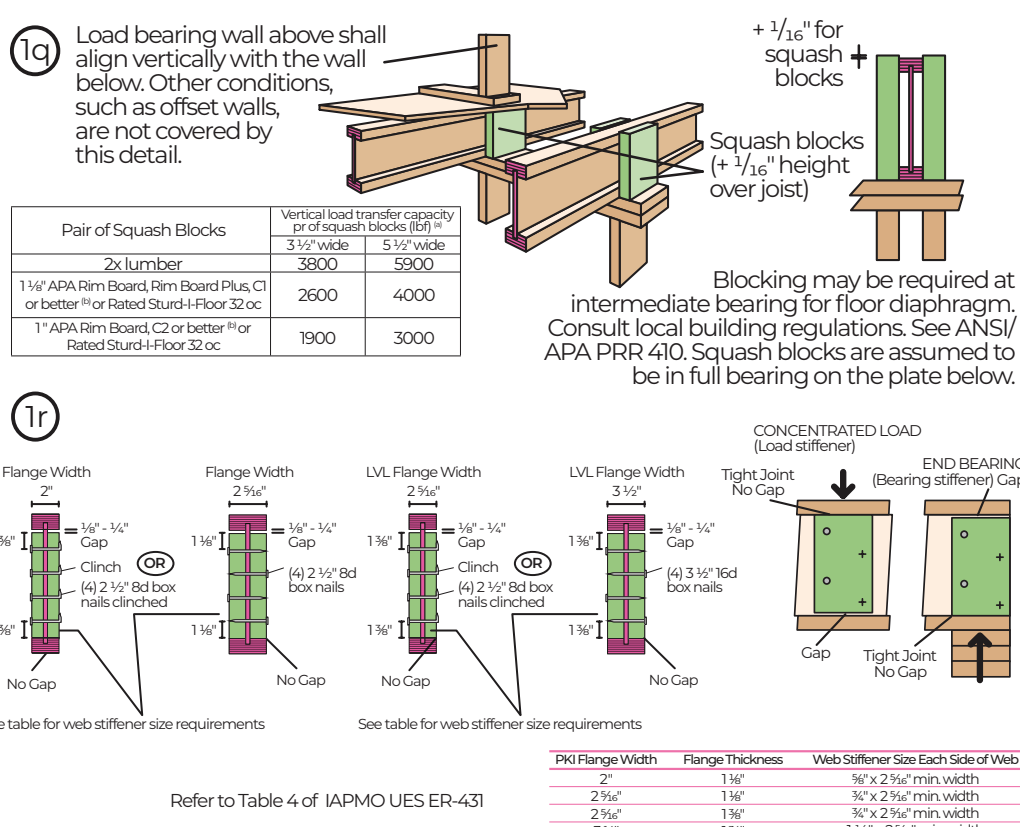
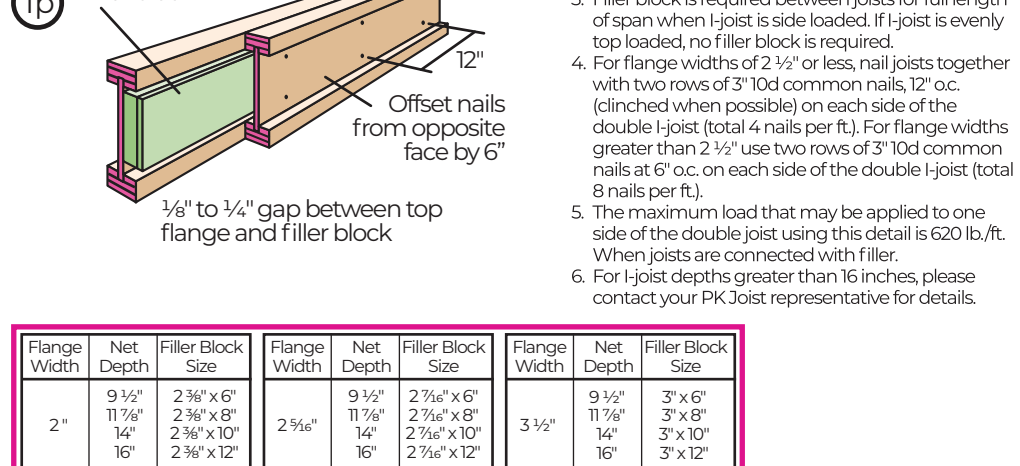
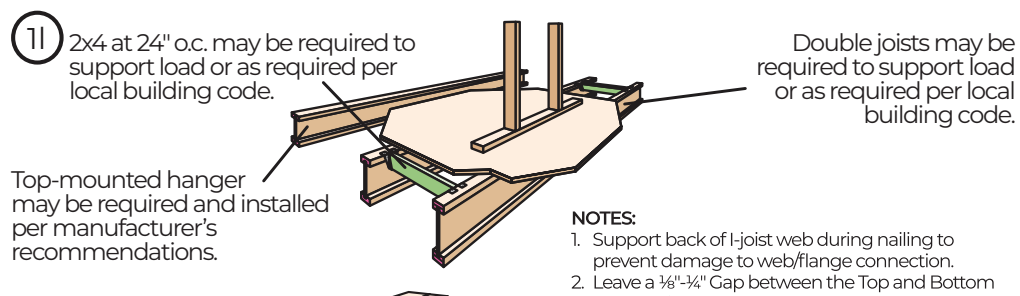
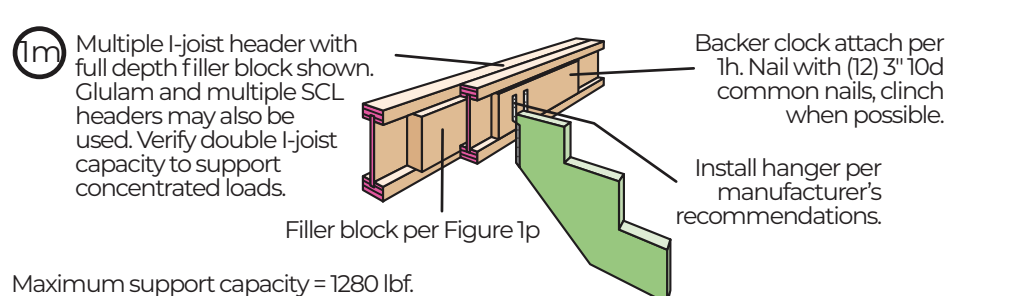
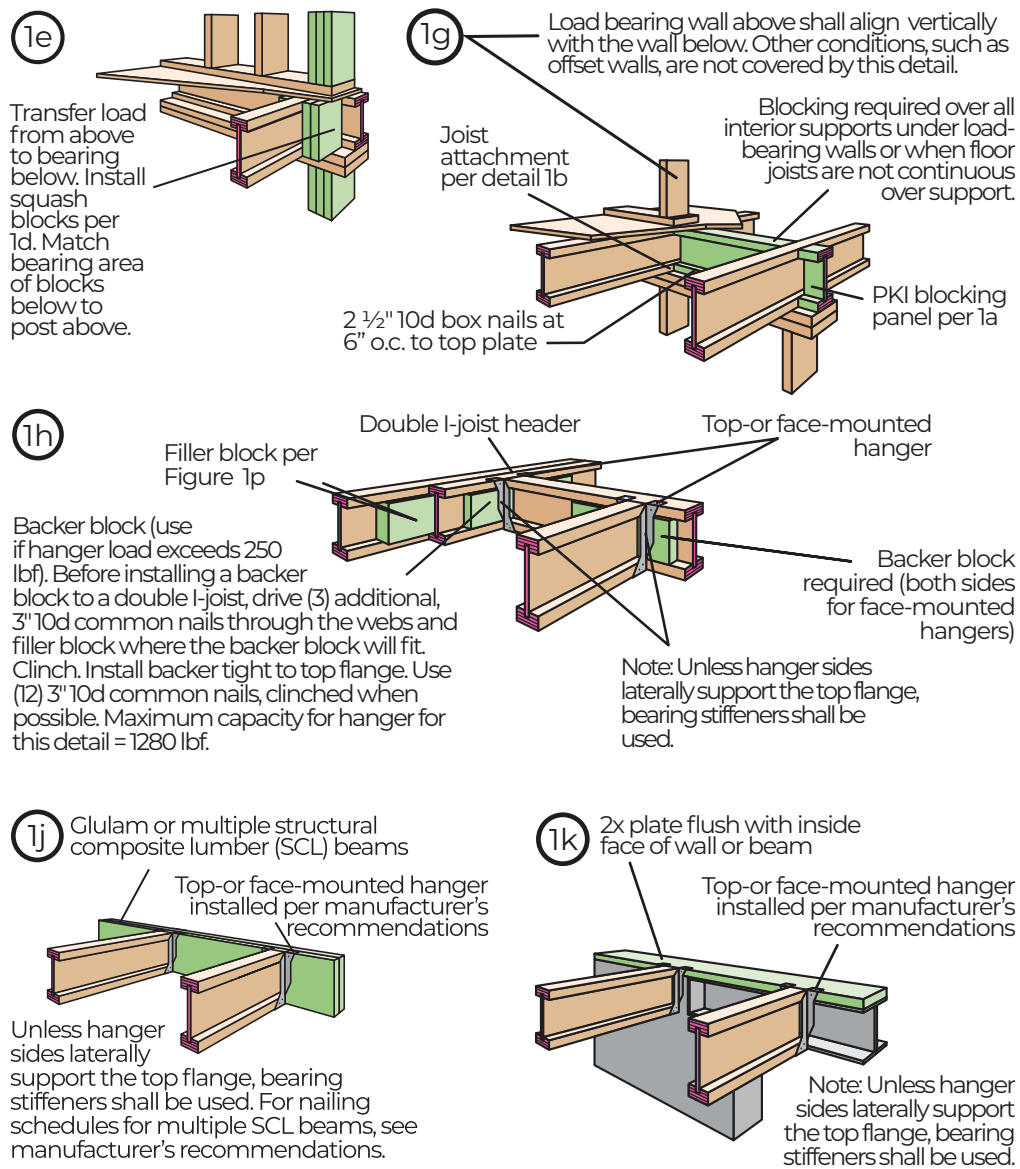
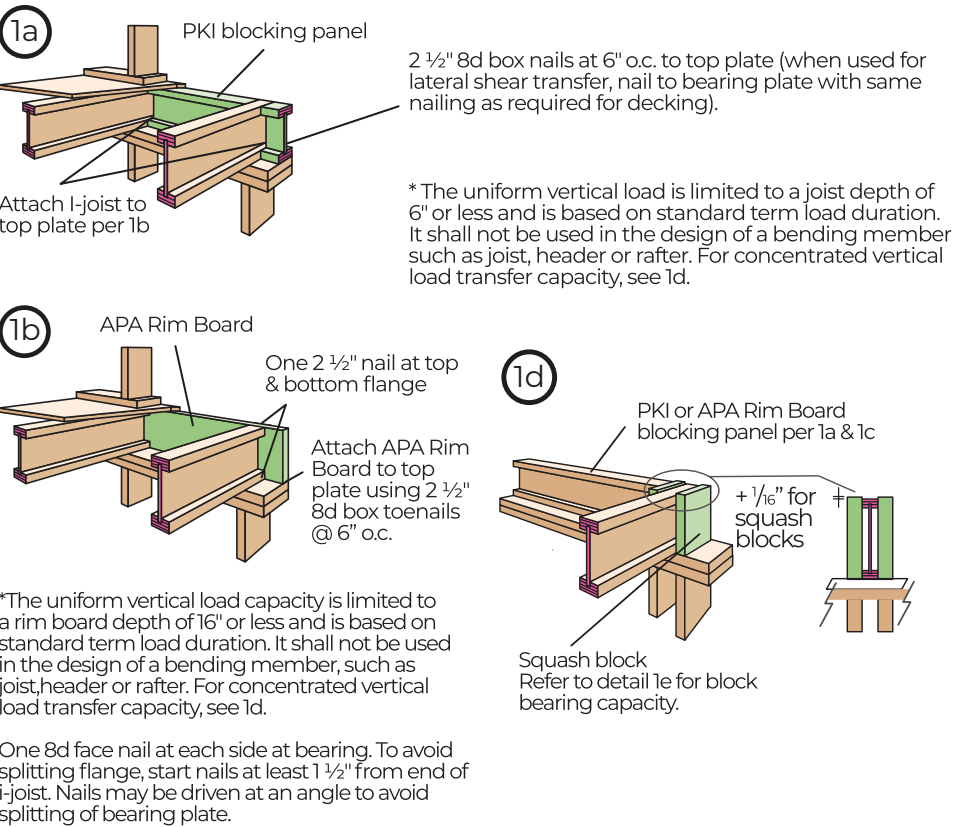
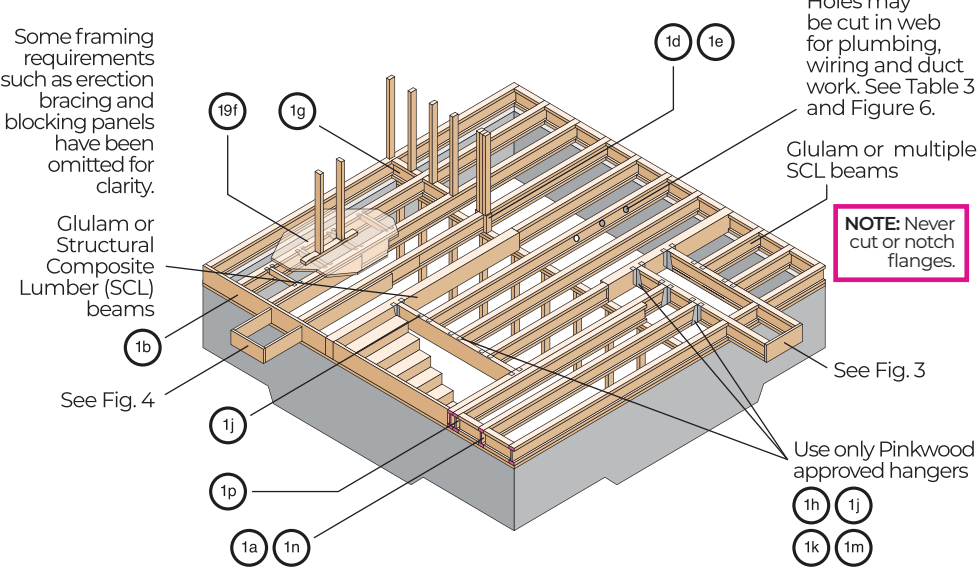
INSTALLATION GUIDE

LVL FLANGE

U.S. HANDLING & INSTALLATION RECOMMENDATIONS

PK-JOISTS for Floor and Roof Applications.

Note: PKI 60L, 70L, 80L, and 90L series are available. Call for details.



WEB HOLE SPECIFICATIONS

One of the benefits of using I-joists in residential construction is that holes may be cut in the joist webs to accommodate electrical wiring, plumbing lines and other mechanical systems, thereby minimizing the depth of the floor system.

Rules for cutting holes in PKI Joists

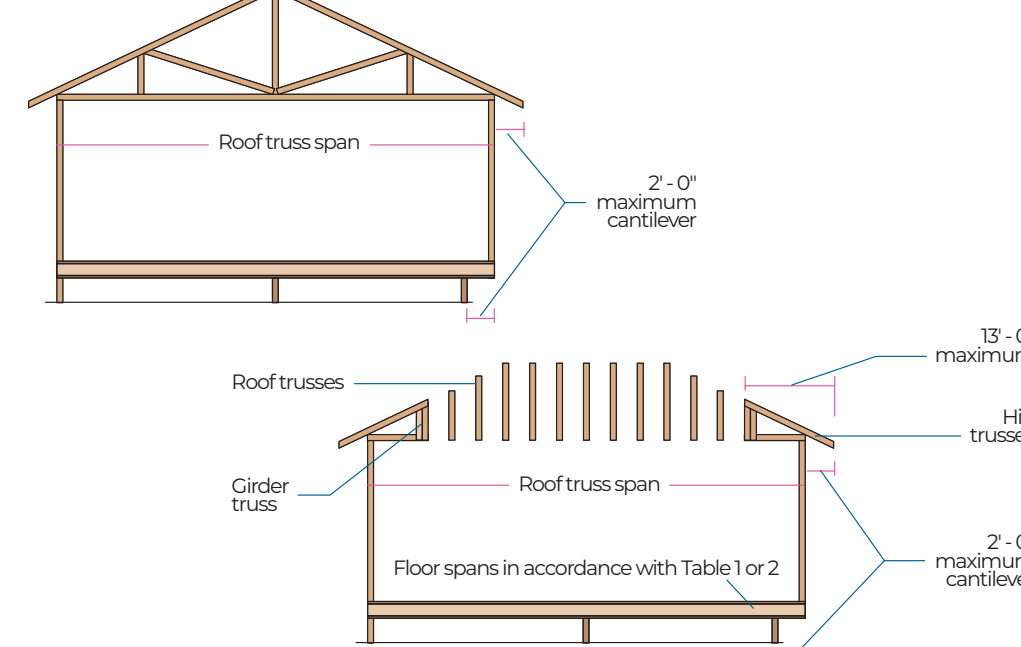
- The distance between the inside edge of the support and the centerline of any hole shall be in compliance with the requirements of Table 10.
- I-joist top and bottom flange shall NEVER be cut, notched or otherwise modified.
- Whenever possible, field-cut holes should be centered in the middle of the web.
- The maximum size hole that can be cut into an I-joist web shall equal the clear distance between the flanges of the I-joist minus 1/4". A minimum of 1/8" should always be maintained between the top or bottom of the hole and the adjacent I-joist flange.
- Square and rectangular holes are permitted in the joist web provided that an encompassing circumscribed round hole is permitted at that location.
- Where more than one hole is necessary, the distance between adjacent hole edges shall exceed twice the diameter of the largest round hole or twice the size of the largest square hole (or twice the length of the longest side of the longest rectangular hole) and each hole must be sized and located in compliance with the requirements of Table 12.
- Holes measuring 1 1/2" or smaller shall be permitted anywhere in a cantilevered section of a PKI-joist. Holes of a greater size may be permitted subject to verification.
- A 1 1/2" hole or smaller can be placed anywhere in the web provided that it meets the requirements of rule number 6 above.
- All holes shall be cut in a workman-like manner in accordance with the restrictions listed above and as illustrated in Figure 6.
- Limit three maximum-size holes per span.
- A group of round holes at approximately the same location shall be permitted if they meet the requirements for a single round hole circumscribed around them.

REINFORCED LOAD BEARING CANTILEVER TABLES

Series	Joist Depth (in)	Roof Truss Span (FT)	Roof Total Load (PSF)											
			35			45			55					
			Joist Spacing (in)											
			16	19.22	24	16	19.22	24	16	19.22	24			
PKI 60L	9 1/2"	24	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/0	1/WVS		
		26	0/0	0/0	0/0	0/0	0/0	0/0	1/WVS	0/0	0/WVS	X/WVS		
		30	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/0	1/WVS	X/WVS		
		32	0/0	0/0	0/WVS	0/0	0/0	0/0	2/WVS	0/0	1/WVS	X/WVS		
		34	0/0	0/0	1/WVS	0/0	0/WVS	X/WVS	0/WVS	2/WVS	X/WVS	X/WVS		
		36	0/0	0/0	1/WVS	0/0	1/WVS	X/WVS	1/WVS	2/WVS	X/WVS	X/WVS		
	11 3/4"	28	0/0	0/0	1/WVS	0/0	1/WVS	X/WVS	1/WVS	X/WVS	X/WVS	X/WVS		
		30	0/0	0/0	2/WVS	0/0	2/WVS	X/WVS	2/WVS	X/WVS	X/WVS	X/WVS		
		24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS		
		26	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/WVS	0/0	0/WVS		
		28	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/WVS	1/WVS		
		30	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/WVS	2/WVS		
14"	32	0/0	0/0	0/WVS	0/0	0/0	1/WVS	0/WVS	0/WVS	0/WVS	2/WVS			
	34	0/0	0/WVS	0/0	0/0	0/WVS	0/WVS	2/WVS	0/WVS	1/WVS	X/WVS			
	36	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	2/WVS	0/WVS	1/WVS	X/WVS			
	38	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	2/WVS	0/WVS	2/WVS	X/WVS			
	40	0/0	0/0	1/WVS	0/0	0/WVS	X/WVS	0/WVS	2/WVS	X/WVS	X/WVS			
	42	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS			
PKI 80L	16"	26	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/0	0/WVS		
		28	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/WVS	1/WVS		
		30	0/0	0/0	0/WVS	0/0	0/0	0/0	0/WVS	0/0	0/WVS	2/WVS		
		32	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	0/WVS	0/WVS	0/WVS	2/WVS		
		34	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	1/WVS	0/WVS	0/WVS	2/WVS		
		36	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	1/WVS	0/WVS	0/WVS	2/WVS		
	18"	38	0/0	0/WVS	0/0	0/WVS	0/WVS	1/WVS	0/WVS	0/WVS	1/WVS	X/WVS		
		40	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	2/WVS	0/WVS	1/WVS	X/WVS		
		24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS		
		26	0/0	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/0	0/WVS		
		28	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/WVS	0/0	0/WVS		
		30	0/0	0/0	0/0	0/0	0/0	0/WVS	0/0	0/WVS	0/0	0/WVS		
20"	32	0/0	0/0	0/WVS	0/0	0/0	0/WVS	0/0	0/WVS	0/0	0/WVS			
	34	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	0/WVS	0/WVS	0/WVS	1/WVS			
	36	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	0/WVS	0/WVS	0/WVS	1/WVS			
	38	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	0/WVS	0/WVS	0/WVS	1/WVS			
	40	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	0/WVS	0/WVS	0/WVS	1/WVS			
	42	0/0	0/0	0/WVS	0/0	0/WVS	0/WVS	0/WVS	0/WVS	0/WVS	1/WVS			

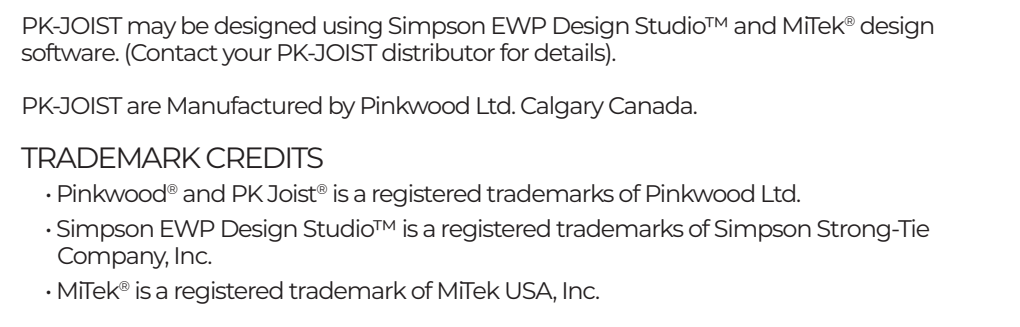
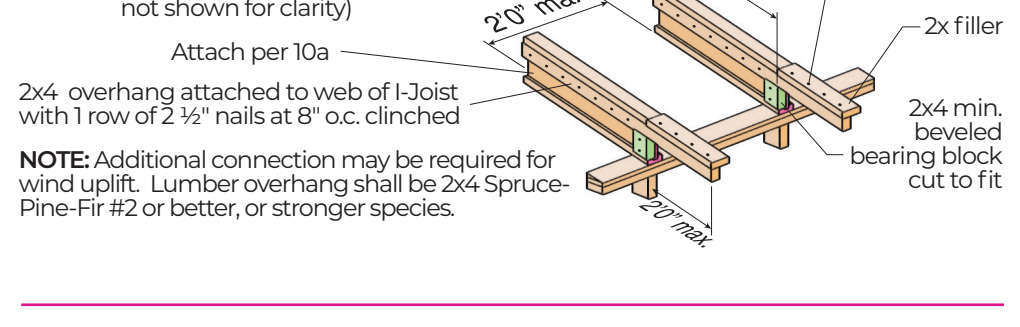
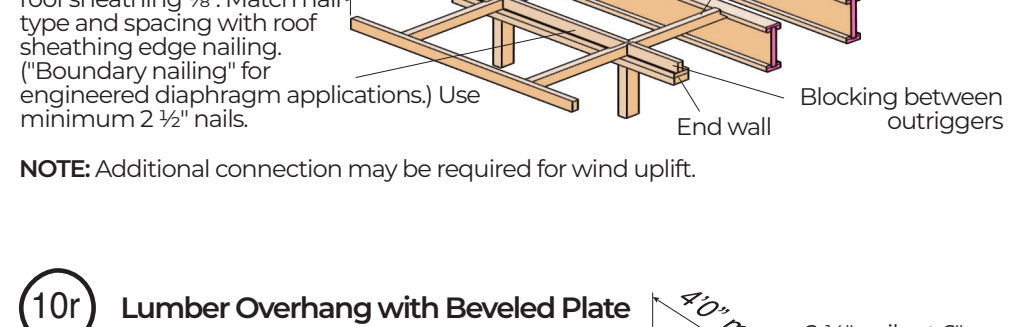
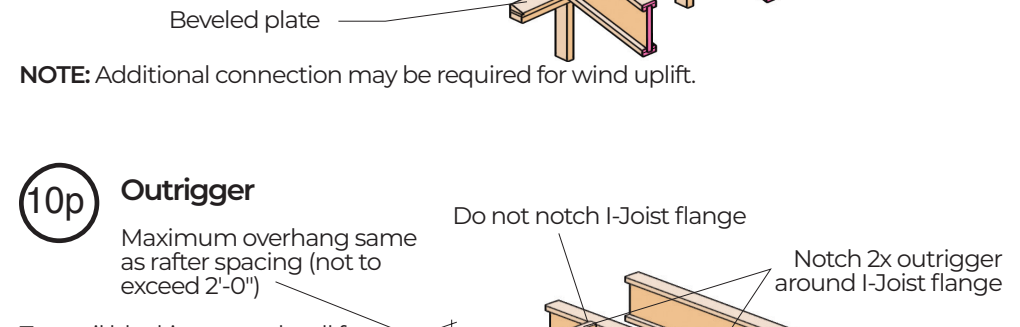
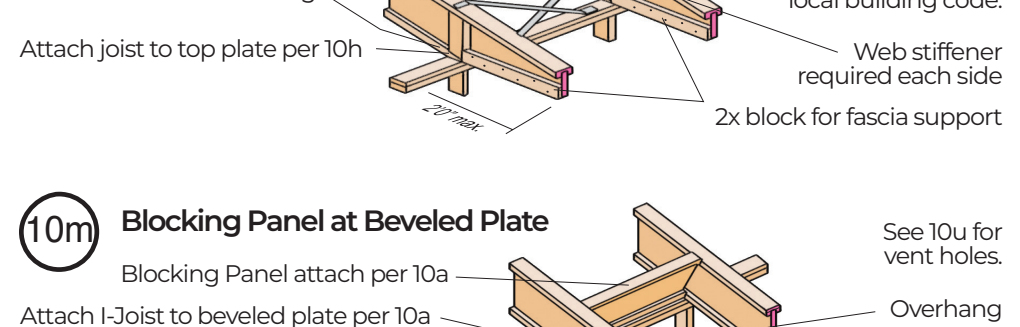
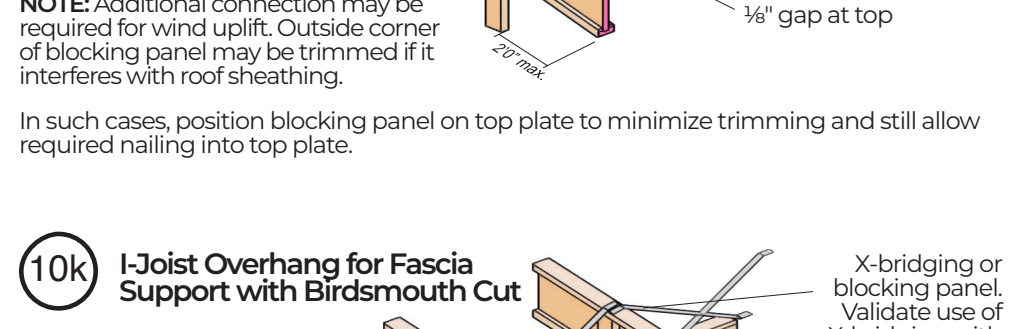
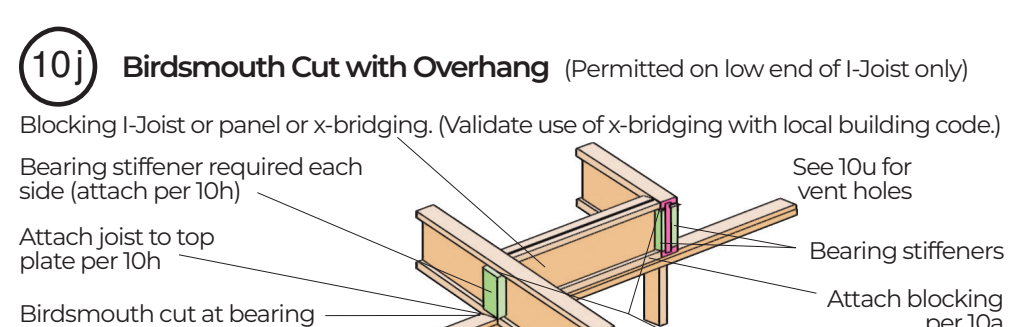
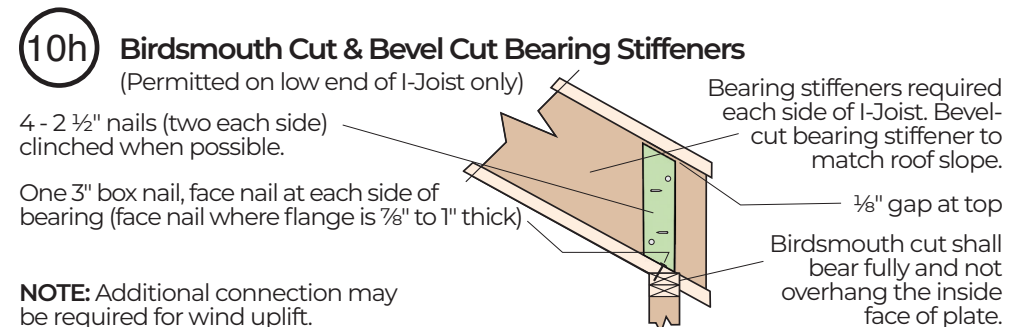
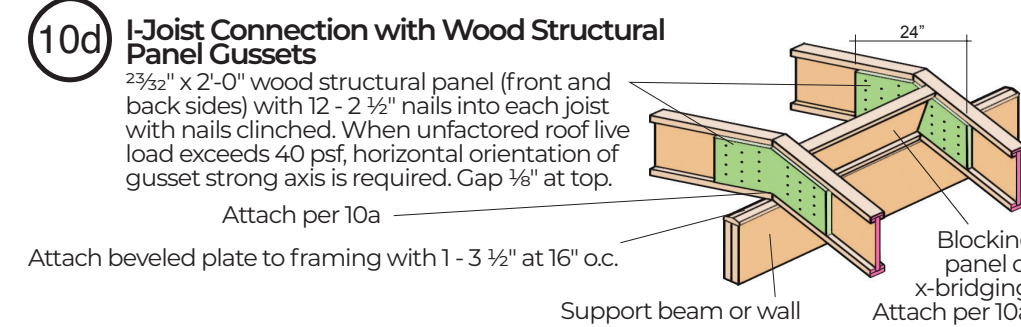
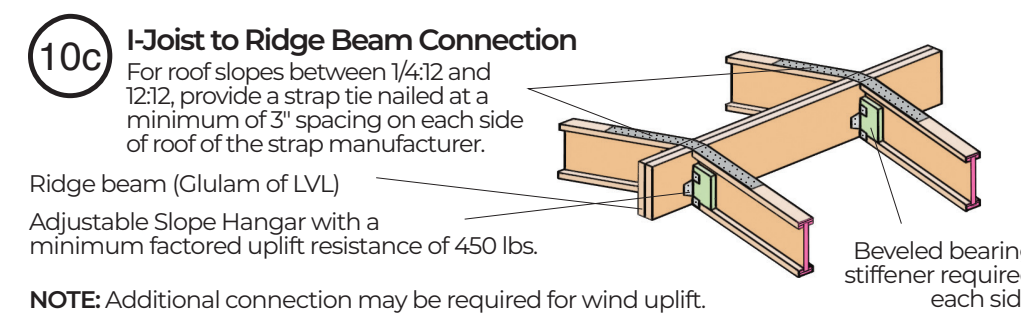
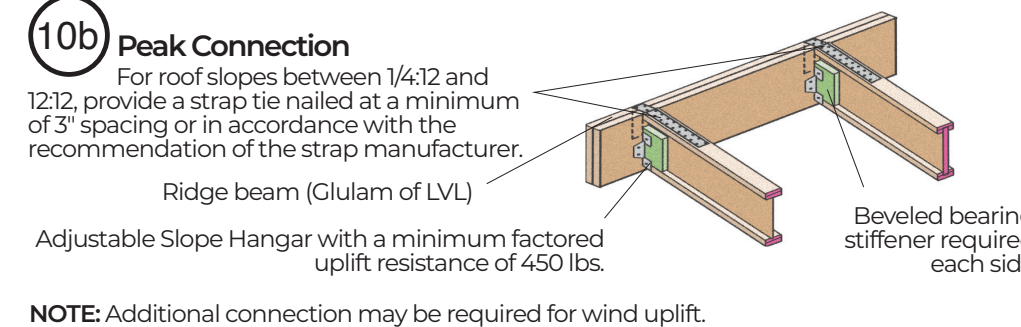
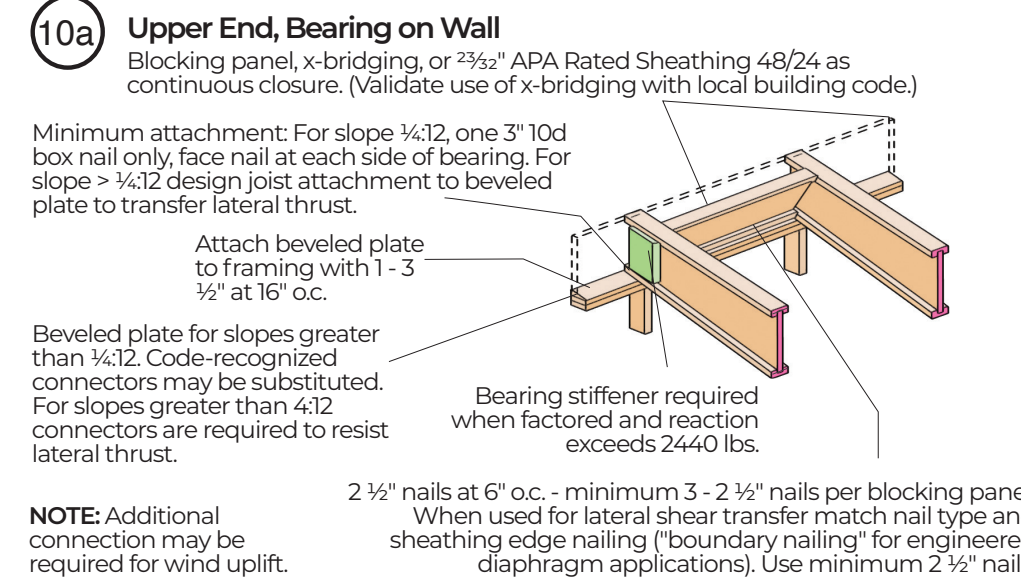
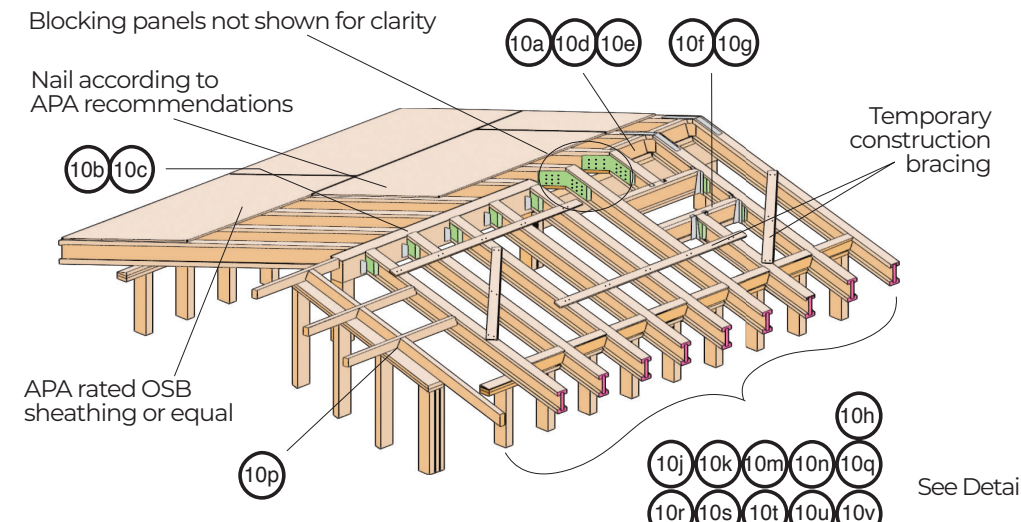
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			Joist Spacing (in)												
			16	19.22	24	16	19.22	24	16	19.22	24	16	19.22	24	
PKI 80L	9 1/2"	24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/W5
		26	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/0	0/0	0/0	0/0	2/W5
		28	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/W5	0/0	0/0	0/0	0/0	X/W5
		30	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/W5	0/0	0/0	0/0	1/W5
		32	0/0	0/0	0/0	0/W5	0/0	0/0	0/0	2/W5	0/0	1/W5	X/W5	X/W5	X/W5
		34	0/0	0/0	0/W5	0/0	0/W5	X/W5	X/W5	0/W5	2/W5	X/W5	X/W5	X/W5	X/W5
	11 3/4"	26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/W5	X/W5	1/W5	X/W5	X/W5	X/W5
		28	0/0	0/0	1/W5	0/0	0/0	0/0	0/0	1/W5	X/W5	1/W5	X/W5	X/W5	X/W5
		30	0/0	0/0	2/W5	0/0	2/W5	X/W5	1/W5	X/W5	1/W5	X/W5	X/W5	X/W5	X/W5
		32	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5
		34	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	1/W5	0/0	0/W5
		36	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	2/W5
14"	32	0/0	0/0	0/W5	0/0	0/0	1/W5	0/0	0/0	1/W5	0/0	0/W5	2/W5	0/W5	
	34	0/0	0/0	0/W5	0/0	0/W5	0/0	1/W5	0/0	0/W5	0/0	0/W5	2/W5	0/W5	
	36	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	2/W5	0/W5	2/W5	0/W5	2/W5	0/W5	
	38	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	X/W5	0/W5	2/W5	0/W5	2/W5	0/W5	
	40	0/0	0/0	1/W5	0/0	0/W5	0/0	0/W5	X/W5	0/W5	2/W5	0/W5	2/W5	0/W5	
	42	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	
16"	26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	1/W5	
	28	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	1/W5	
	30	0/0	0/0	0/W5	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	1/W5	
	32	0/0	0/0	0/W5	0/0	0/0	0/0	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	2/W5	
	34	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	2/W5	
	36	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	1/W5	0/W5	0/W5	0/W5	0/W5	2/W5	
18"	38	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	2/W5	
	40	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	1/W5	0/W5	0/W5	0/W5	0/W5	2/W5	
	24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	
	26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/0	0/0	0/0	0/W5	
	28	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	
	30	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	
20"	32	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	34	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	36	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	38	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	40	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	42	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/W5	
22"	24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	
	26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/0	0/0	0/0	0/W5	
	28	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	
	30	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	
	32	0/0	0/0	0/W5	0/0	0/0	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	
	34	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
24"	36	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	38	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	40	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	42	0/0	0/0	0/W5	0/0	0/W5	0/0	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	0/W5	
	44	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	
	46	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W5	

See Table below for PKI reinforcement requirements at cantilever



For hip roofs with the hip trusses running parallel to the cantilevered floor joists, the I-joist reinforcements for a span of 28' shall be permitted to be used.

NOTE: In all roof and floor details, 10d common nails may be used where 10d is specified unless otherwise specified in ER-431. 8d common nails may be used where 8d is specified unless otherwise specified in ER-431.



PKjoist

by PinkWood LTD.

GUÍA DE INSTALACIÓN



BRIDA LVL

MANEJO EN EE. UU. & RECOMENDACIONES DE INSTALACIÓN

PK-JOISTS para aplicaciones de suelo y cubierta.

Nota: Las series PKI 10, 20, 23, 35 Plus, 40 y 50 están disponibles. Llame para más detalles.

