

PKjoist

by PinkWood LTD.

INSTALLATION GUIDE



LVL FLANGE

U.S. HANDLING & INSTALLATION RECOMMENDATIONS

PK-JOISTS for Floor and Roof Applications.

USA Version

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

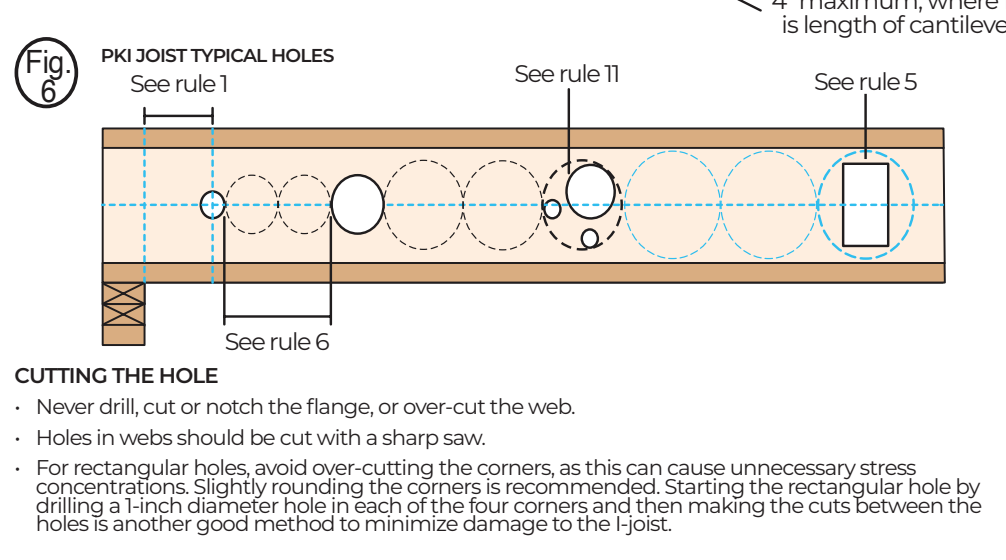
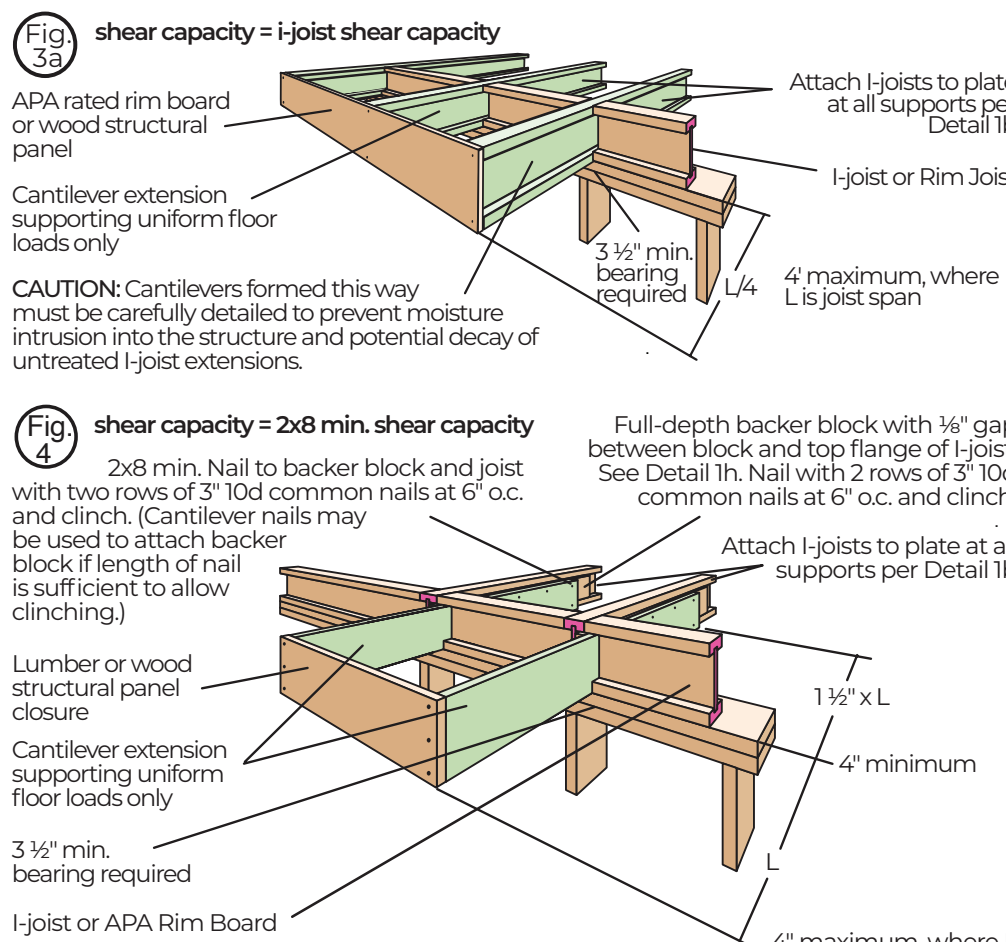
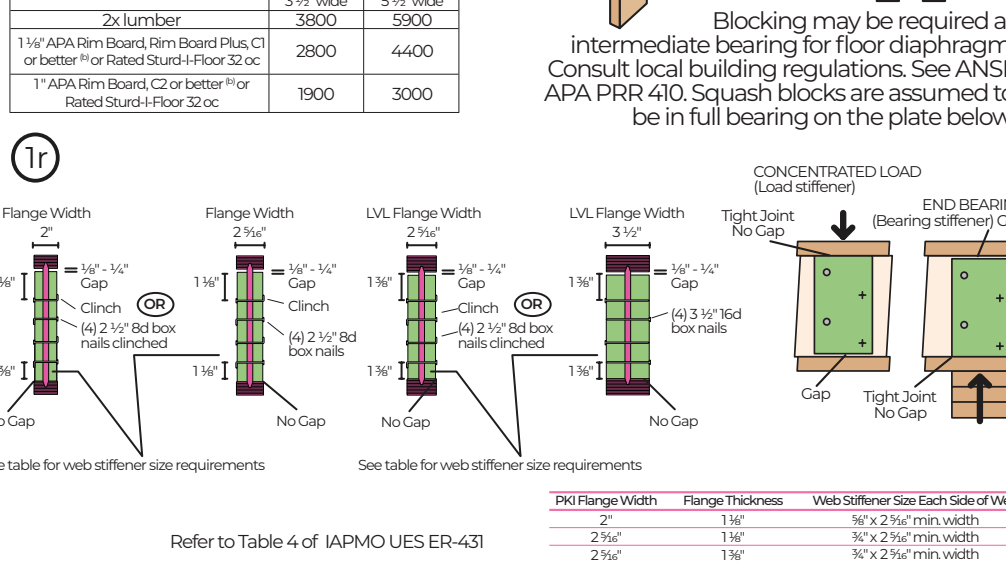
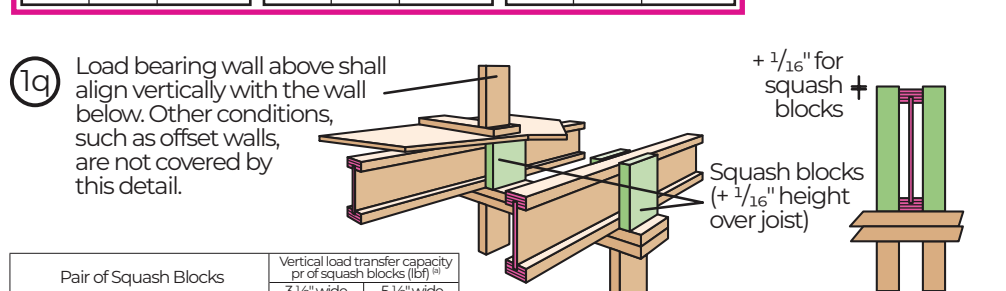
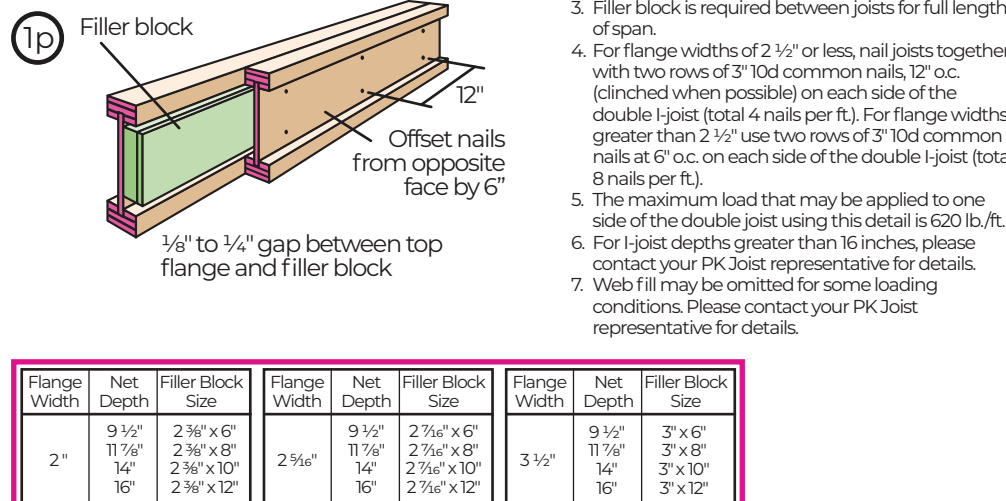
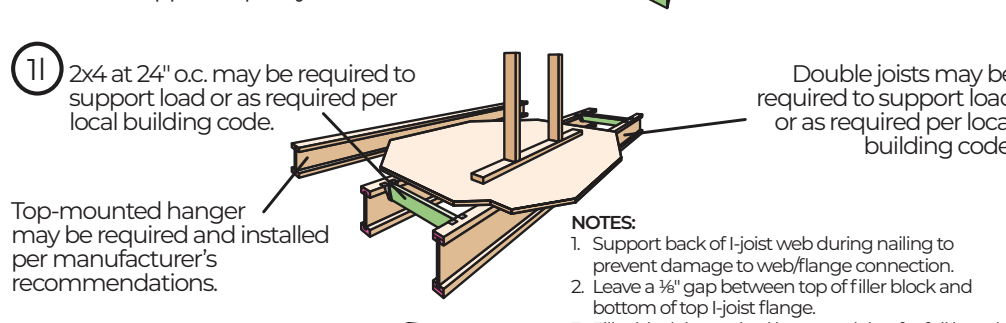
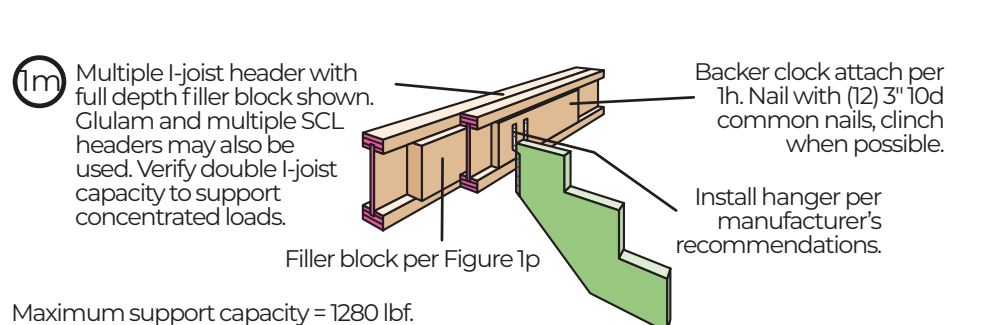
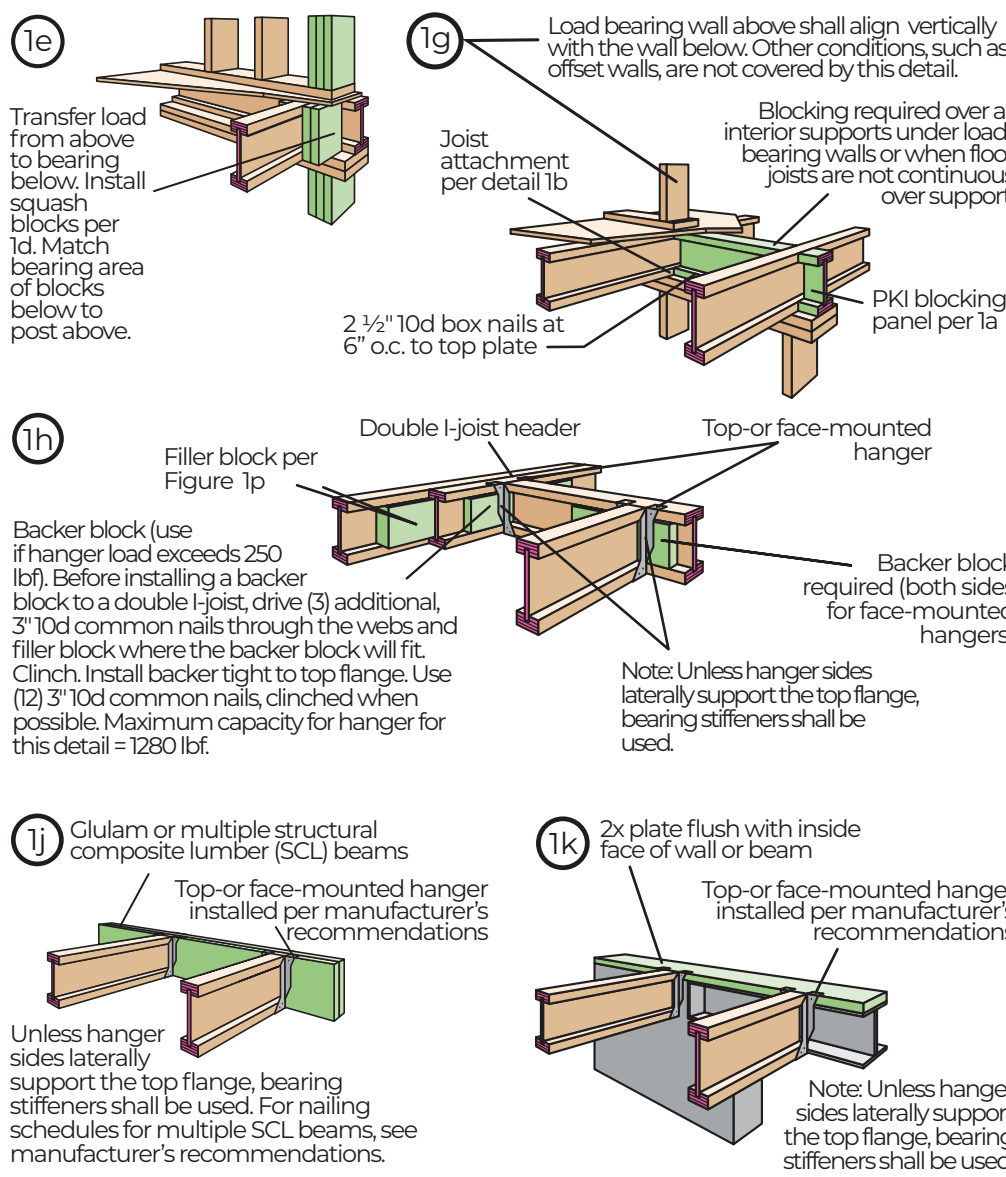
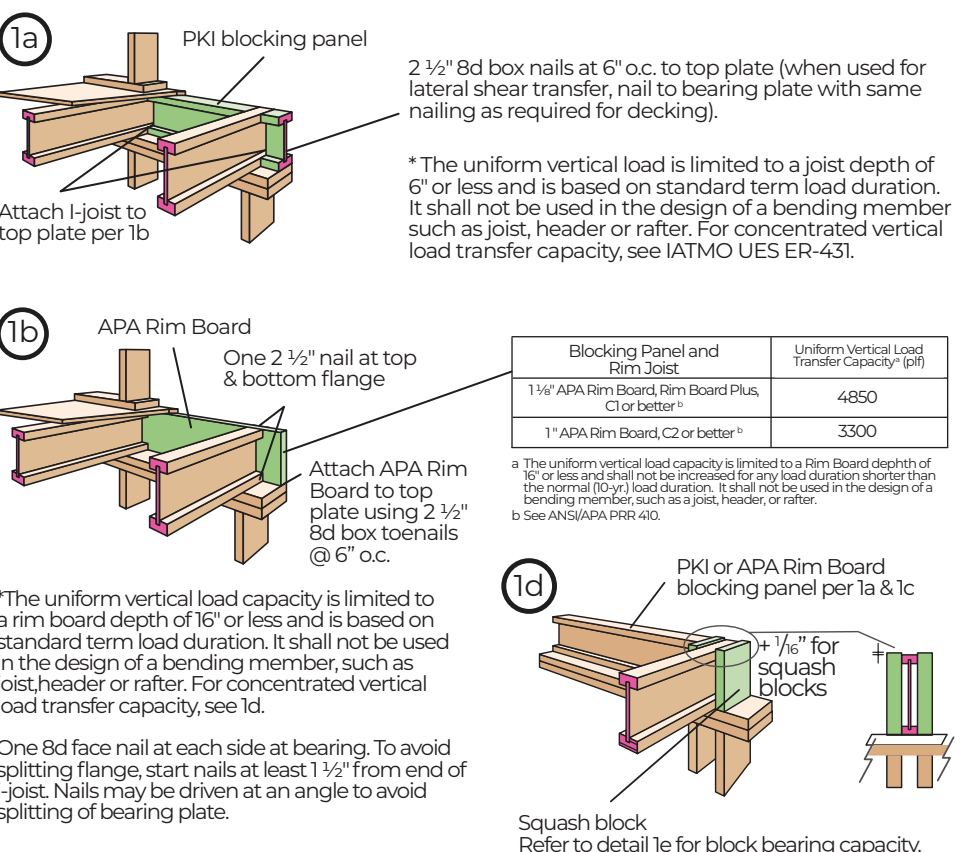
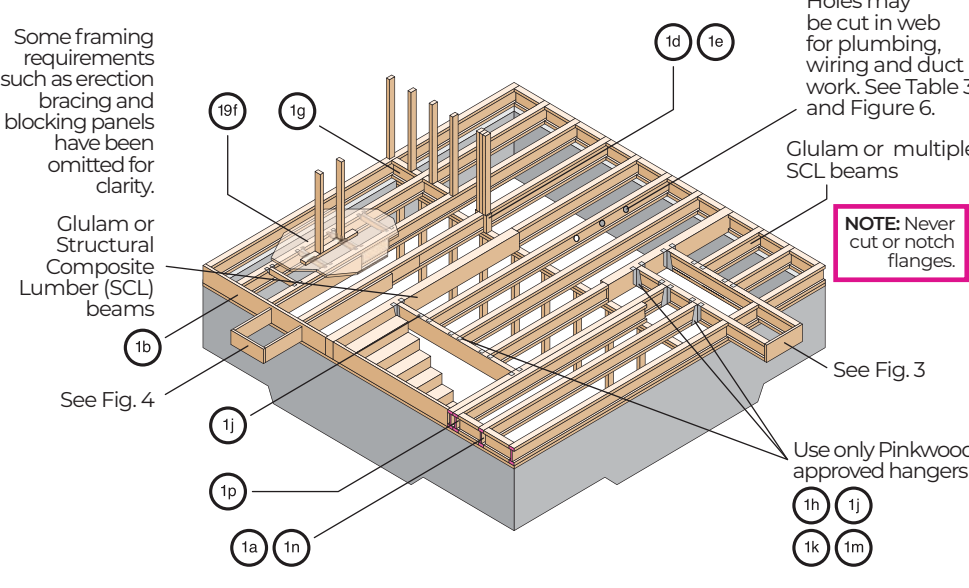
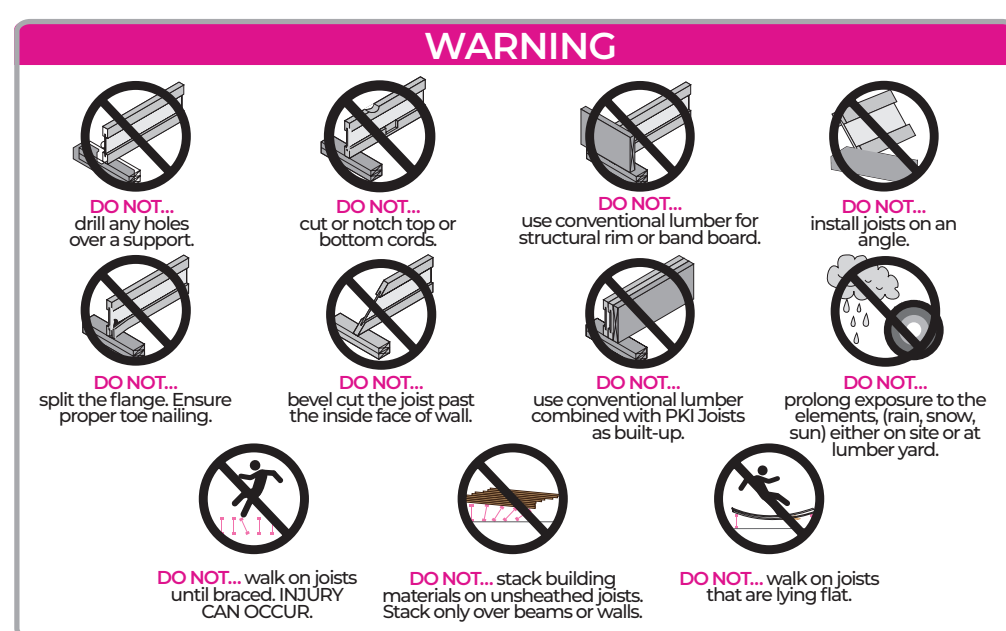


TABLE 10 ALLOWABLE LOCATION OF CIRCULAR HOLES IN PKI JOIST WEBS

Simple Span For Live Loads Up To 40 psf And Dead Loads Up To 25 psf Spacing - 19.2" o.c.								
Joist Depth	Series	Clear Span	Minimum Distance From Inside Face of Bearing To Center of Hole (ft.-in.)					
			Round Hole Diameter (inches)					
			4	6 1/2	8 3/4	11	13	
9 1/2"	PKI60L	16'	1'-0"	3'-1"				
	PKI70L	16'	1'-0"	3'-1"				
	PKI80L	17'	1'-0"	3'-3"				
	PKI90L	19'	1'-0"	4'-5"				
11 7/8"	PKI60L	18'	1'-0"	1'-0"	4'-9"			
	PKI70L	18'	1'-0"	1'-0"	4'-9"			
	PKI80L	20'	1'-0"	1'-11"	5'-11"			
	PKI90L	22'	1'-0"	1'-3"	5'-11"			
14"	PKI60L	20'	1'-0"	1'-0"	3'-0"	6'-4"		
	PKI70L	21'	1'-0"	1'-0"	3'-7"	6'-11"		
	PKI80L	23'	1'-0"	1'-0"	4'-7"	8'-1"		
	PKI90L	26'	1'-0"	1'-0"	4'-6"	8'-8"		
16"	PKI60L	21'	1'-0"	1'-0"	1'-0"	3'-10"	7'-0"	
	PKI70L	22'	1'-0"	1'-0"	1'-4"	4'-5"	7'-7"	
	PKI80L	26'	1'-0"	1'-0"	3'-5"	6'-8"	10'-0"	
	PKI90L	28'	1'-0"	1'-0"	2'-0"	5'-10"	9'-10"	

NOTE: Distances in this chart are based on uniformly loaded joists (standard load durations). For other conditions utilize Simpson EWP Design Studio™ and Mitek® design software for loading and hole configurations other than those depicted in this figure.



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	0/0	0/0	0/0	0/0	1WS	
		26	0/0	0/0	0/0	0/0	0/0	0WS	0/0	0/0	0/0	2WS		
		28	0/0	0/0	0/0	0/0	0/0	1WS	0/0	0WS	0/0	XWS		
		30	0/0	0/0	0/0	0/0	0/0	2WS	0/0	1WS	XWS	XWS		
		32	0/0	0/0	0WS	0/0	0/0	2WS	0/0	1WS	XWS	XWS		
		34	0/0	1WS	0/0	0WS	XWS	0WS	0WS	2WS	XWS	XWS		
		36	0/0	1WS	0/0	1WS	XWS	1WS	XWS	XWS	XWS	XWS		
		38	0/0	1WS	0/0	1WS	XWS	1WS	XWS	XWS	XWS	XWS		
	11 7/8"	40	0/0	0/0	2WS	0/0	2WS	XWS	2WS	XWS	XWS	XWS		
		24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0WS		
		26	0/0	0/0	0/0	0/0	0/0	0WS	0/0	0/0	0/0	1WS		
		28	0/0	0/0	0/0	0/0	0/0	0WS	0/0	0WS	1WS			
PKI 70L	9 1/2"	30	0/0	0/0	0/0	0/0	0WS	0/0	0WS	0/0	2WS	XWS		
		32	0/0	0/0	0WS	0/0	0/0	1WS	0WS	0WS	2WS	XWS		
		34	0/0	0/0	0WS	0WS	0WS	1WS	0WS	1WS	XWS	XWS		
		36	0/0	0WS	0WS	0WS	2WS	0WS	1WS	XWS	XWS	XWS		
		38	0/0	0WS	0WS	2WS	0WS	2WS	XWS	XWS	XWS	XWS		
		40	0/0	0/0	1WS	0/0	0WS	XWS	0WS	2WS	XWS	XWS		
		24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0WS		
		26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0WS		
	11 7/8"	28	0/0	0/0	0/0	0/0	0/0	0WS	0/0	0WS	1WS	XWS		
		30	0/0	0/0	0/0	0/0	0WS	0/0	0WS	0/0	1WS	XWS		
		32	0/0	0/0	0WS	0/0	0/0	1WS	0WS	0WS	2WS	XWS		
		34	0/0	0/0	0WS	0WS	0WS	1WS	0WS	1WS	XWS	XWS		
PKI 80L	9 1/2"	36	0/0	0WS	0WS	0WS	2WS	0WS	2WS	XWS	XWS	XWS		
		38	0/0	0WS	0WS	0WS	2WS	0WS	2WS	XWS	XWS	XWS		
		40	0/0	0/0	1WS	0/0	0WS	XWS	0WS	2WS	XWS	XWS		
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		26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0WS		
		28	0/0	0/0	0/0	0/0	0/0	0WS	0/0	0WS	1WS	XWS		
		30	0/0	0/0	0/0	0/0	0WS	0/0	0WS	0/0	1WS	XWS		
		32	0/0	0/0	0/0	0/0	0WS	0/0	0WS	0/0	1WS	XWS		
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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			
9 1/2"	24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1WS			
	26	0/0	0/0	0/0	0/0	0/0	0WS	0/0	0/0	0/0	2WS			
	28	0/0	0/0	0/0	0/0	0/0	0/0	1WS	0/0	0/0	XWS			
	30	0/0	0/0	0/0	0/0	0/0	0/0	1WS	0/0	1WS	XWS			
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11 7/8"	40	0/0	0/0	2WS	0/0	2WS	XWS	2WS	XWS	XWS	XWS			
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	34	0/0	0/0	0WS	0/0	0WS	1WS	0WS	1WS	XWS	XWS			
	36	0/0	0/0	0WS	0/0	0WS	2WS	0WS	1WS	XWS	XWS			
14"	38	0/0	0/0	0WS	0/0	0WS	2WS	0WS	2WS	XWS	XWS			
	40	0/0	0/0	1WS	0/0	0WS	XWS	0WS	2WS	XWS	XWS			
	24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0WS			
	26	0/0	0/0	0/0	0/0	0WS	0/0	0WS	0/0	0/0	1WS			
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PKjoist

by PinkWood LTD.

GUÍA DE INSTALACIÓN



BRIDA LVL

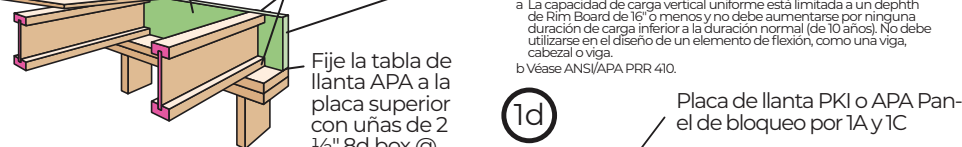
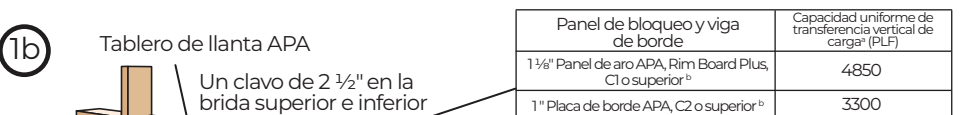
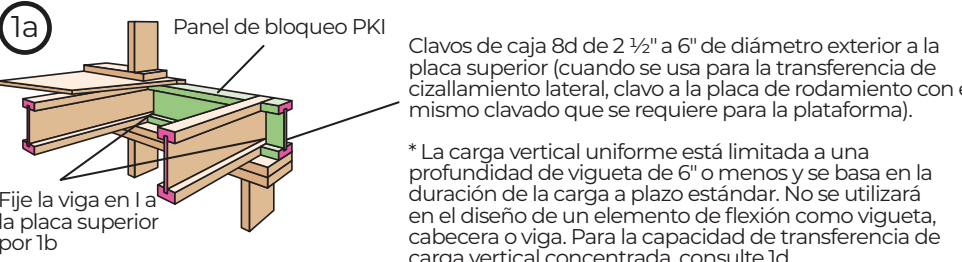
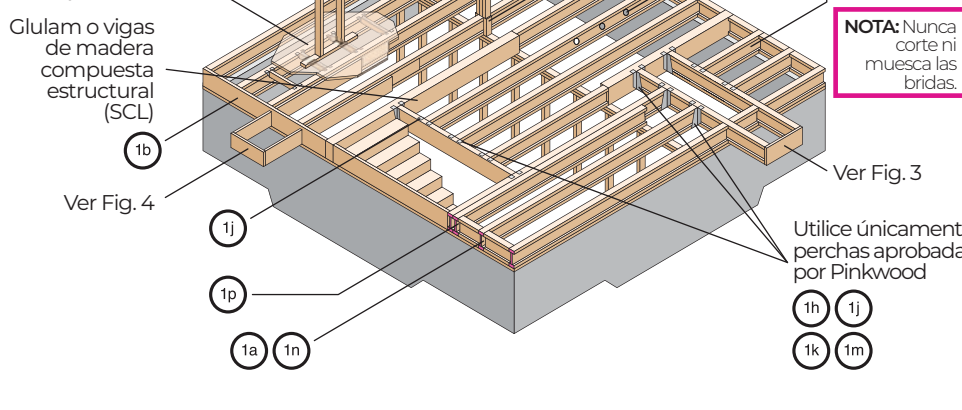
MANEJO EN EE. UU. & RECOMENDACIONES DE INSTALACIÓN

PK-JOISTS para aplicaciones de suelo y cubierta.

Versión en español.

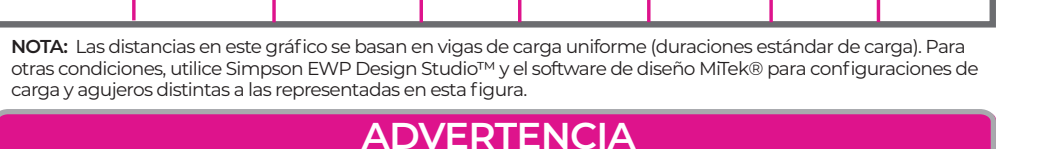
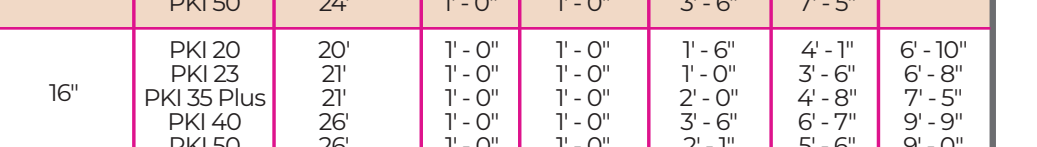
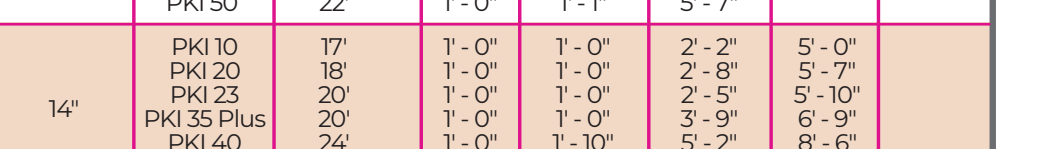
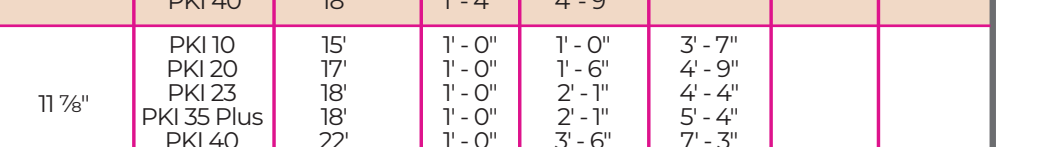
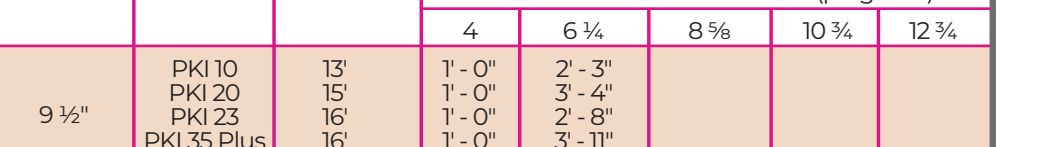
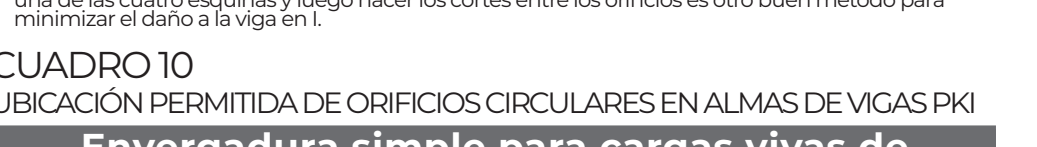
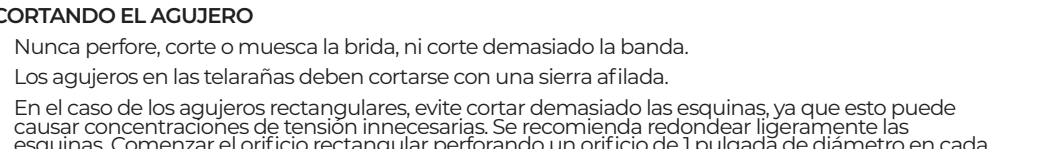
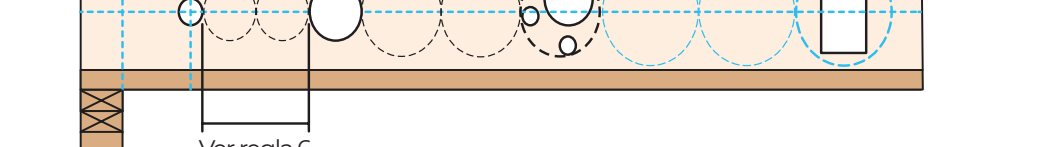
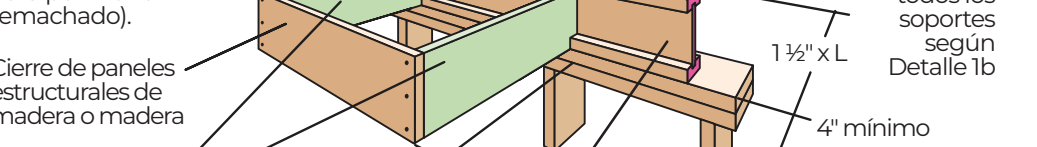
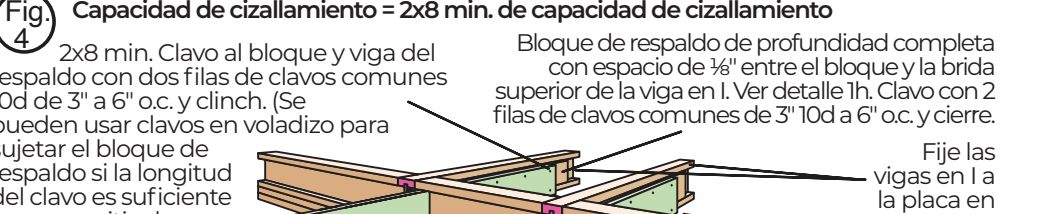
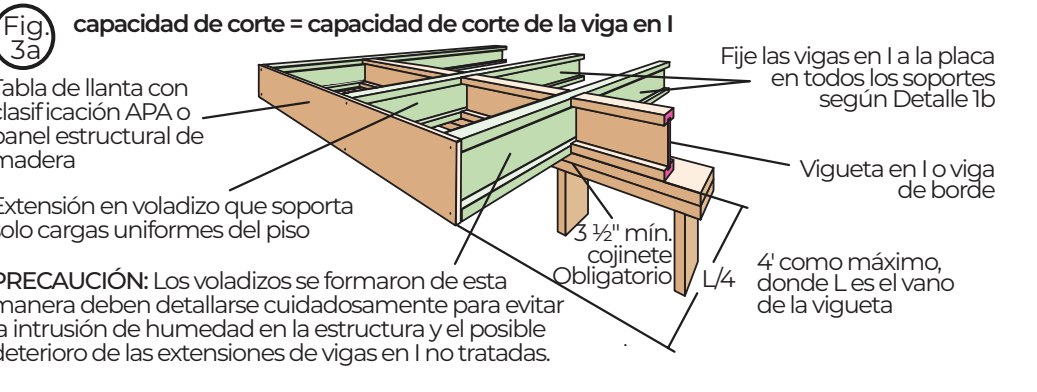
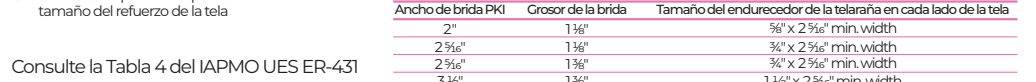
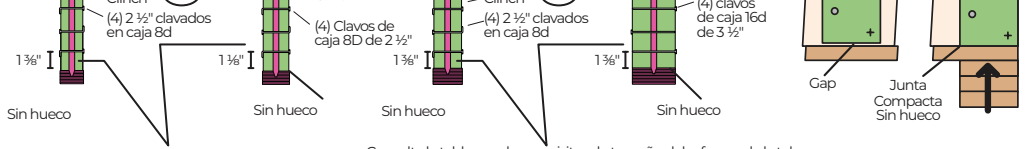
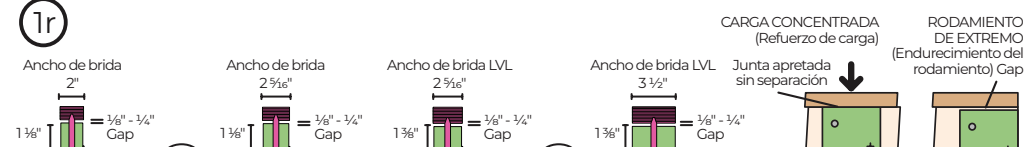
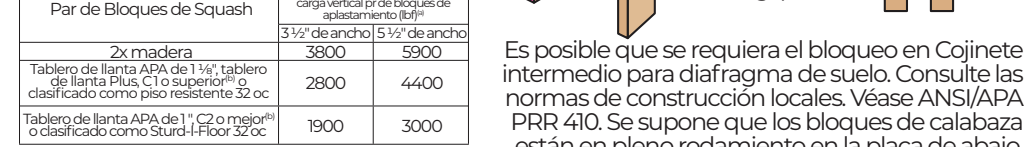
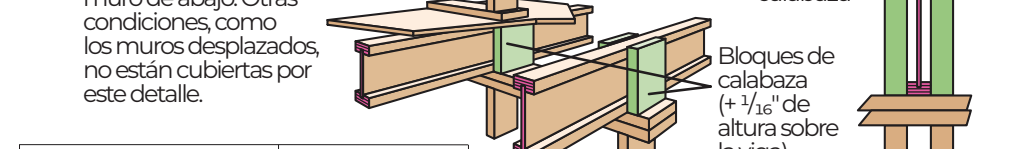
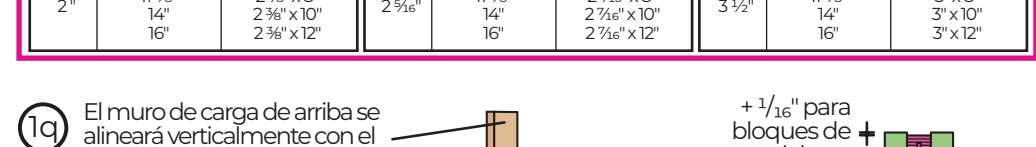
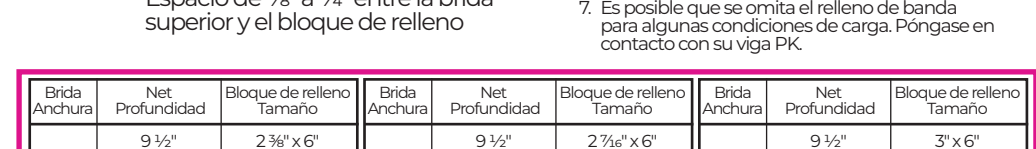
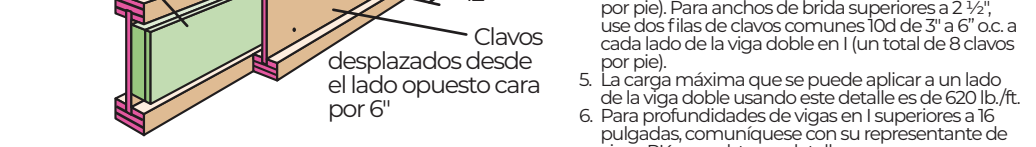
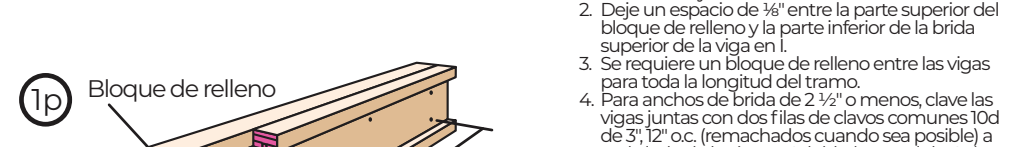
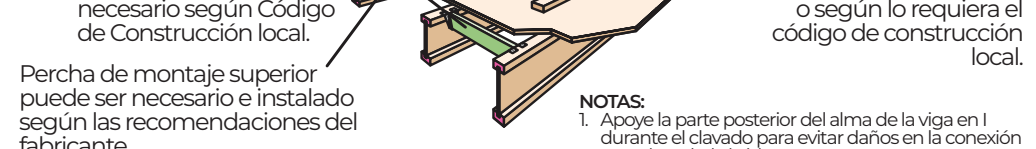
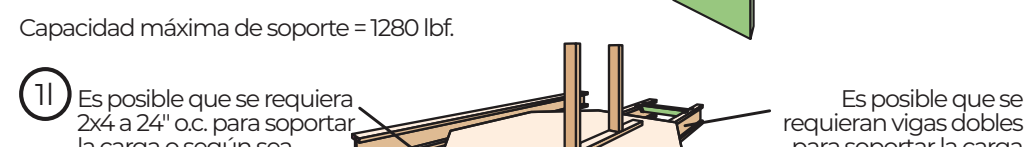
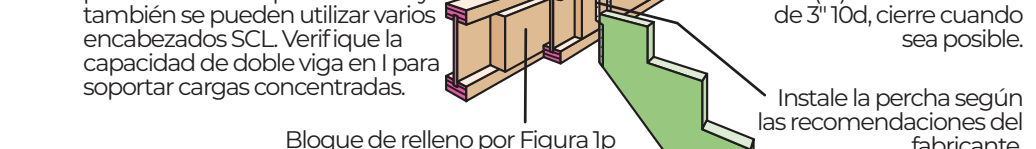
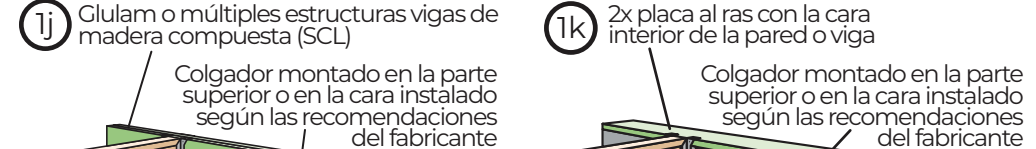
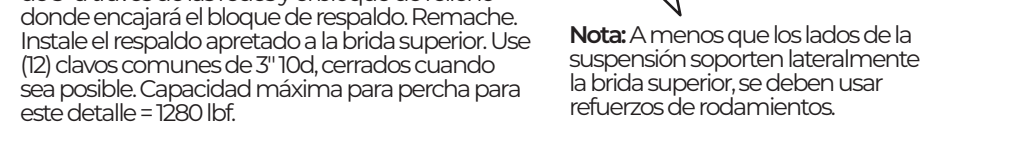
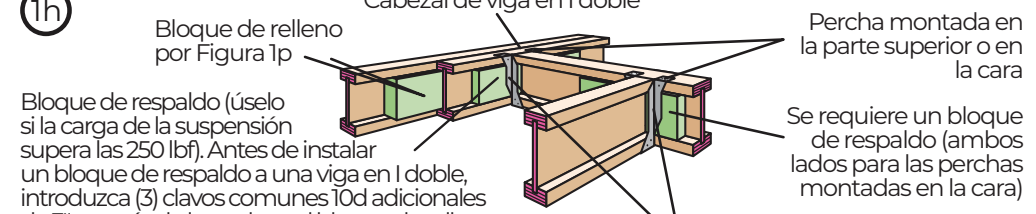
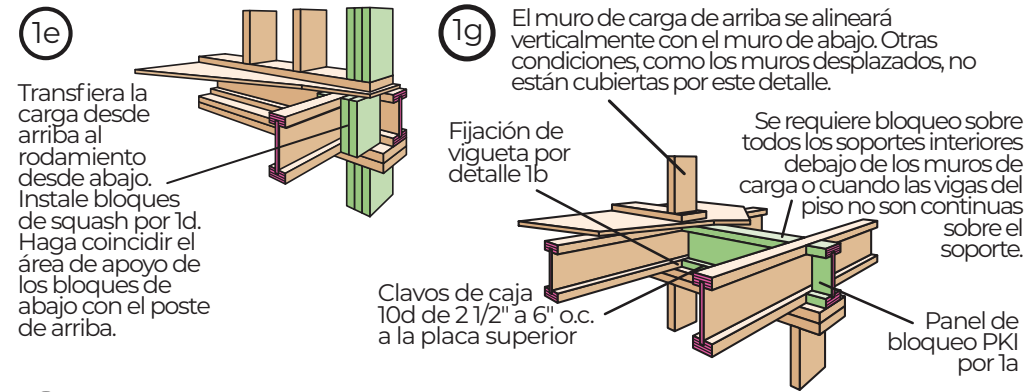
Nota: Las series PKI 60L, 70L, 80L, y 90L están disponibles. Llame para más detalles.

Algunos requisitos de encastrado como los refuerzos de montaje y los paneles de bloqueo se han omitido para mayor claridad.



* La capacidad de carga vertical uniforme está limitada a una profundidad de vigueta de 6" o menos y se basa en la duración de la carga a término estándar. No se utilizará en el diseño de un miembro de flexión, como vigueta, cabecera o viga. Para la capacidad de transferencia de carga vertical concentrada, consulte 1d.

Un clavo de cara 8d a cada lado en el rodamiento. Para evitar brida de división, comience los clavos al menos a 1 1/2" del extremo de Vigueta en I. Los clavos se pueden clavar en ángulo para evitar que la placa de apoyo se parta.



ESPECIFICACIONES DEL ORIFICIO DE RED

Uno de los beneficios de usar vigas en I en la construcción residencial es que se pueden cortar agujeros en las redes de vigas para acomodar el cableado eléctrico, las líneas de plomería y otros sistemas mecánicos, minimizando así la profundidad del sistema de piso.

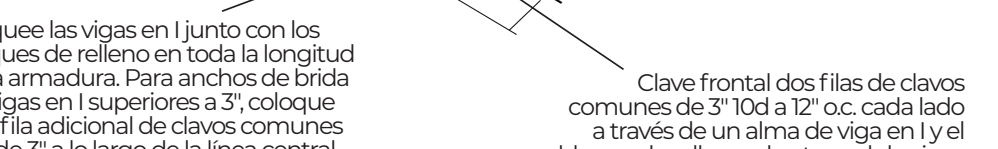
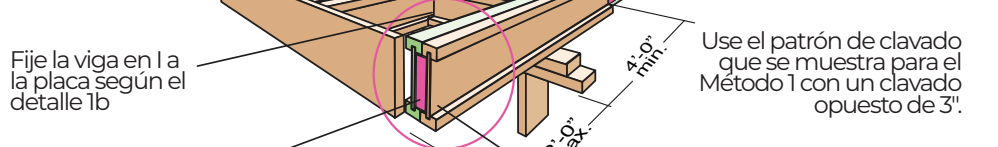
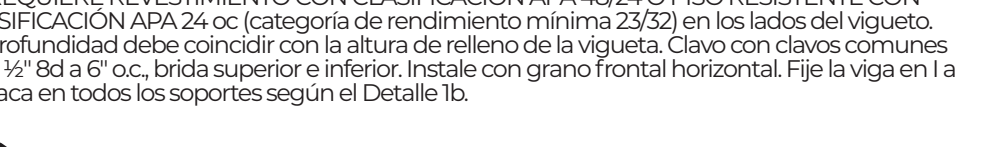
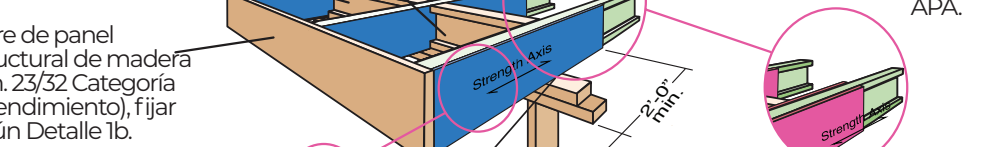
Reglas para cortar agujeros en vigas PKI

- La distancia entre el borde interior del soporte y la línea central de cualquier orificio debe cumplir con los requisitos de la Tabla 10.
- La brida superior e inferior de la viga en I NUNCA debe cortarse, entallarse ni modificarse de otra manera.
- Siempre que sea posible, los agujeros cortados en el alma de la viga deben estar centrados en el centro de la telaraña.
- El orificio de tamaño máximo que se puede cortar en un alma de viga en I debe ser igual a la distancia libre entre las bridas de la viga en I menos 1/4". Siempre se debe mantener un mínimo de 1/4" entre la parte superior o inferior del orificio y la brida adyacente de la viga en I.
- Se permiten orificios cuadrados y rectangulares en el alma de la vigueta siempre que se permita un orificio redondo circunscrito que lo abarque en esa ubicación.
- Cuando sea necesario más de un orificio, la distancia entre los bordes de los orificios adyacentes excederá el doble del diámetro del orificio redondo más grande o el doble del tamaño del orificio cuadrado más grande (o el doble de la longitud del lado más largo del orificio rectangular más largo) y cada orificio deberá tener el tamaño y la ubicación de acuerdo con los requisitos de la Tabla 12.
- Los orificios que midan 1 1/2" o menos deben permitirse en cualquier lugar de una sección en voladizo de una viga PKI. Es posible que se permitan agujeros de mayor tamaño sujetos a verificación.
- Un orificio de 1 1/2" o más pequeño se puede colocar en cualquier lugar de la red siempre que cumpla con los requisitos de la regla número 6 anterior.
- Todos los orificios se cortarán de manera artesanal de acuerdo con las restricciones enumeradas anteriormente y como se ilustra en la Figura 6.
- Limite tres orificios de tamaño máximo por tramo.
- Se permitirá un grupo de agujeros redondos aproximadamente en el mismo lugar si cumplen los requisitos para un solo agujero redondo circunscrito a su alrededor.

DETALLE EN VOLADIZO PARA EL DESPLAZAMIENTO VERTICAL DE EDIFICIOS

Método 1 Refuerzo de Revestimiento en Un Lado
Método 2 Refuerzo de Revestimiento en Dos Lados

Capacidad de corte = capacidad de corte de la viga + 23/32" OSB's



MESAS EN VOLADIZO DE CARGA REFORZADA

Consulte la tabla a continuación para conocer los requisitos de refuerzo PKI en voladizo.

Serie	Profundidad de Vigueta (in)	Ampliación de Techo (in)	Carga Total del Techo (PSF)											
			35				45				55			
			16	19.22	24	16	19.22	24	16	19.22	24	16	19.22	24
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/W/S
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2/W/S
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1/W/S	0.0	0.0	0.0	0.0	X/W/S
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2/W/S	0.0	0.0	1/W/S	0.0	X/W/S
	32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2/W/S	0.0	X/W/S
	34	0.0	0.0	1/W/S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2/W/S
	36	0.0	0.0	1/W/S	0.0	1/W/S	0.0	1/W/S	1/W/S	1/W/S	1/W/S	1/W/S	1/W/S	2/W/S
	38	0.0	0.0	1/W/S	0.0	1/W/S	0.0	1/W/S	1/W/S	1/W/S	1/W/S	1/W/S	1/W/S	2/W/S
	40	0.0	0.0	2/W/S	0.0	2/W/S	0.0	2/W/S	2/W/S	2/W/S	2/W/S	2/W/S	2/W/S	2/W/S
	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	0.0
11 3/4"	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/W/S
	26	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/W/S
	28	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/W/S
	30	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/W/S
	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	1/W/S
	34	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/W/S
	36	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/W/S
	38	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/W/S
	40	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/W/S
	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/W/S
14"	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	0.0
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	0.0
	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	0.0
16"	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	0.0
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	0.0
	34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	0.0

Serie	Profundidad de la Vigueta (in)	Ampliada de Techo Emergente (ft)	Carga Total del Techo (PSF)											
			35			45			55					
			Espaciado de Viguetas (in)											
			16	19.22	24	16	19.22	24	16	19.22	24			
9 1/2"	24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/W/S			
	26	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/0	2/W/S			
	28	0/0	0/0	0/0	0/0	0/0	0/0	1/W/S	0/0	0/0	0/W/S	X/W/S		
	30	0/0	0/0	0/0	0/0	0/0	0/0	2/W/S	0/0	0/0	1/W/S	X/W/S		
	32	0/0	0/0	0/W/S	0/0	0/0	0/0	1/W/S	0/0	1/W/S	X/W/S	X/W/S		
	34	0/0	0/0	0/W/S	0/0	1/W/S	0/W/S	X/W/S	0/W/S	2/W/S	X/W/S	X/W/S		
	36	0/0	0/0	0/0	0/0	1/W/S	X/W/S	X/W/S	X/W/S	X/W/S	X/W/S	X/W/S		
	38	0/0	0/0	1/W/S	0/0	1/W/S	X/W/S	1/W/S	X/W/S	X/W/S	X/W/S	X/W/S		
11 3/4"	24	0/0	0/0	2/W/S	0/0	2/W/S	X/W/S	1/W/S	X/W/S	X/W/S				
	26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S				
	28	0/0	0/0	0/0	0/0	0/0	0/0	1/W/S	0/0	1/W/S				
	30	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/W/S	1/W/S				
	32	0/0	0/0	0/W/S	0/0	0/0	0/0	0/0	0/0	0/W/S	2/W/S			
	34	0/0	0/0	0/W/S	0/0	0/W/S	1/W/S	0/W/S	1/W/S	X/W/S				
	36	0/0	0/0	0/W/S	0/0	0/W/S	2/W/S	0/W/S	1/W/S	X/W/S				
	38	0/0	0/0	0/W/S	0/0	0/W/S	2/W/S	0/W/S	2/W/S	X/W/S				
14"	24	0/0	0/0	1/W/S	0/0	X/W/S	X/W/S	X/W/S	X/W/S	X/W/S				
	26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S				
	28	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/0	0/W/S				
	30	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/0	0/W/S				
	32	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/0	0/W/S	1/W/S			
	34	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	2/W/S			
	36	0/0	0/0	0/W/S	0/0	0/W/S	1/W/S	0/W/S	0/W/S	0/W/S	2/W/S			
	38	0/0	0/0	0/W/S	0/0	0/W/S	2/W/S	0/W/S	1/W/S	X/W/S				
16"	24	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S			
	26	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/0	0/W/S			
	28	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/0	0/W/S			
	30	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/0	0/W/S			
	32	0/0	0/0	0/W/S	0/0	0/0	0/W/S	0/0	0/W/S	0/0	0/W/S			
	34	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	1/W/S			
	36	0/0	0/0	0/W/S	0/0	0/W/S	1/W/S	0/W/S	0/W/S	0/W/S	2/W/S			
	38	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	2/W/S			
18"	24	0/0	0/0	0/W/S	0/0	0/W/S	1/W/S	0/W/S	0/W/S	2/W/S				
	26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S			
	28	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S			
	30	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S			
	32	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S			
	34	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S			
	36	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S			
	38	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S			
20"	24	0/0	0/0	0/W/S	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S			
	26	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/0	0/W/S			
	28	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S			
	30	0/0	0/0	0/0	0/0	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S			
	32	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S			
	34	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S			
	36	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S			
	38	0/0	0/0	0/W/S	0/0	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S	0/W/S			