



PK joists

SPECIFIER GUIDE

I-JOISTS
Made Better
even



APPROVED PRODUCTS



PINKWOOD I-JOISTS

PKI 10, PKI 20, PKI 23, PKI 35 Plus, PKI 40, PKI 50

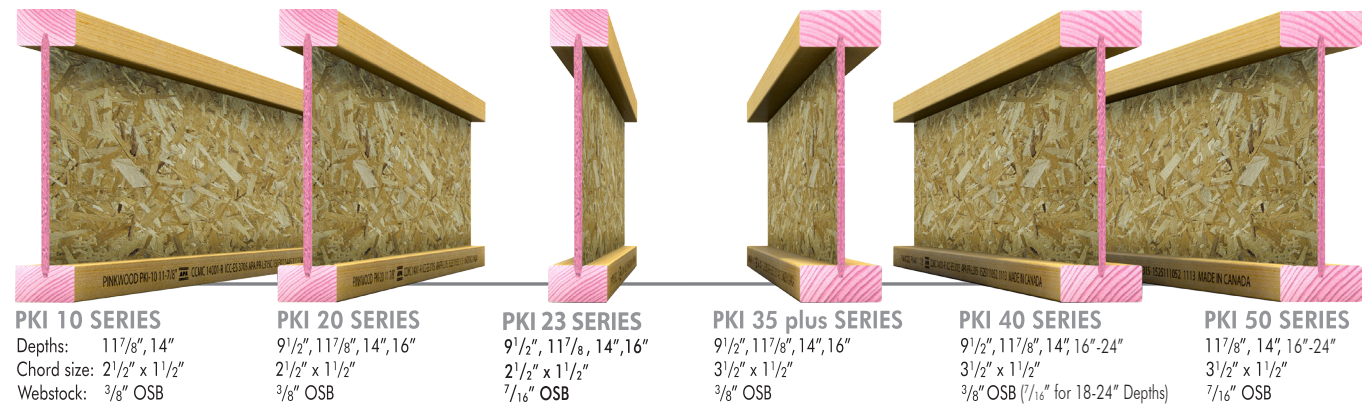
- CANADA



PinkWood manufactures premium I-joists, under the trade name “PKjoists”, for residential and commercial projects. Our Standard and Fire Rated (SAFEjoists) joists are available in six series ranging in depths of 9 1/2” to 24”, and up to 58’ in lengths. Our PKjoists are built to precise tolerances and will resist warping, crowning, and shrinkage.

PKI SERIES

PKI Joists series are manufactured with either 2"x3" (PKI 10, 20, 23) or 2"x4" (PKI 35 Plus, 40, 50) flanges, which have a specific proprietary lumber grade. Having only two flange sizes results in simplified selection of hangers and fasteners and thereby reduces the number of component SKU's required by the dealers.



Note: PKI 10, 20, 23, 35 Plus, 40 & 50 series are currently available uncoated.
PKI 40 & 50 series are available up to 24” depths.



WHY ARE BUILDERS DEMANDING WEBSHIELD PROTECTED I-JOISTS IN THEIR HOUSES?

- 1. Meets 2012 IRC 501.3 exception 4 and 2015 IRC 302.13 Code Requirements.
- 2. WEBshield protection, applied to standard PKI joists, provides superior fire performance when compared to other products.
- 3. Pinkwood Ltd. produces a wide range of WEBshield protected I-Joists series with depths of 11-7/8” and 14” to satisfy all builder requirements.
- 4. Framers prefer working with WEBshield protected i-joists for ease of handling, wide-flange nailing, and side nailing capabilities.
- 5. By utilizing standard PKI joists, mechanical, electrical and plumbing penetrations are made with ease.
- 6. Home owners enjoy Pinkwood’s WEBshield protected joists for the peace of mind offered.



PHYSICAL PROPERTIES FOR PKI Joists

Design properties are in Limit States Design, and for standard term load duration.

Joist Series	Joist Depth (inches)	Weight (plf)	Factored Moment Resistance (lbs-ft)	Factored Shear Resistance (lbs)	End Reaction (lbs)				Intermediate Reaction (lbs)				Bending Stiffness EI (x10 ⁶ lbs-in ²)	Shear Deflection Coefficient K (x10 ⁶ lbs)
					1 1/2" or 2 1/2" Bearing ⁽¹⁾		4" or 3 1/2" Bearing ⁽²⁾		3 1/2" Bearing		5 1/2" Bearing			
					Web Stiff.		Web Stiff.		Web Stiff.		Web Stiff.			
					No	Yes	No	Yes	No	Yes	No	Yes		
PKI 10	9 1/2	2.3	3760	1990	1420	1800	1750	1990	3465	3600	3865	3975	168	4.94
	11 7/8	2.7	4450	2345	1420	2010	1830	2345	3465	3920	3985	4435	286	6.18
	14	3.0	6185	2650	1420	2200	1895	2650	3465	4205	4080	4672	420	7.28
PKI 20	9 1/2	2.6	4675	1990	1530	1800	1750	1990	3465	3750	3865	4160	193	4.94
	11 7/8	2.9	6250	2345	1530	2010	1830	2345	3680	3985	4095	4465	327	6.18
	14	3.1	7325	2650	1530	2200	1895	2650	3875	4205	4300	4745	479	7.28
	16	3.3	8410	2950	1530	2385	1955	2950	4055	4410	4500	5010	652	8.32
PKI 23	9 1/2	2.7	5350	2500	1655	2255	2130	2370	3800	4370	4500	5065	208	4.94
	11 7/8	3.0	6940	2850	1655	2320	2265	2650	3800	4370	4500	5175	352	6.18
	14	3.3	8355	3165	1655	2375	2345	2910	3800	4370	4500	5270	515	7.28
	16	3.5	9685	3455	1655	2430	2370	3155	3800	4370	4500	5365	700	8.32
PKI 35 Plus	9 1/2	2.7	5580	1990	1420	1800	1750	1990	3465	3600	3865	3975	234	4.94
	11 7/8	2.9	7225	2345	1420	2010	1830	2345	3465	3920	3985	4435	396	6.18
	14	3.2	8665	2650	1420	2200	1895	2650	3465	4205	4080	4672	580	7.28
	16	3.4	9850	2950	1420	2385	1930	2945	3465	4545	4175	4900	787	8.32
PKI 40	9 1/2	3.4	8960	2115	1870	2115	2060	2115	4575	4885	4640	5045	328	4.94
	11 7/8	3.6	11590	2565	1965	2385	2520	2565	4775	5270	4925	5550	553	6.18
	14	3.9	13960	2960	2020	2620	2520	2960	4865	5625	5175	6005	807	7.28
	16	4.0	16180	3340	2040	2840	2520	3340	4960	5960	5420	6440	1092	8.32
	18	4.4	18300	4000	2065	3250	2650	4025	4495	6765	5420	7845	1421	9.36
	20	4.5	20250	4230	2065	3445	2650	4165	4495	6960	5420	7845	1799	10.40
	22	4.7	22175	4445	2065	3645	2650	4315	4495	7150	5420	7845	2224	11.44
	24	4.9	24080	4650	2065	3850	2650	4465	4495	7325	5420	7845	2698	12.48
PKI 50	11 7/8	4.5	13230	3370	1965	2385	2520	2565	4775	5270	4925	5550	565	6.18
	14	4.8	15300	3600	2020	2620	2520	2960	4865	5625	5175	6005	824	7.28
	16	5.0	17720	3810	2040	2840	2520	3340	4960	5960	5420	6440	1115	8.32
	18	5.3	21240	4000	2065	3250	2650	4025	4495	6765	5420	7845	1453	9.36
	20	5.5	23575	4230	2065	3445	2650	4165	4495	6960	5420	7845	1839	10.40
	22	5.8	24265	4445	2065	3645	2650	4315	4495	7150	5420	7845	2273	11.44
	24	6.0	26350	4650	2065	3850	2650	4465	4495	7325	5420	7845	2757	12.48

(1) For 9 1/2” to 16” I-joists, the minimum end reaction is based on 1 1/2” bearing length. For 18” to 24” joist, the minimum end reaction is based on 2 1/2” bearing length.

(2) For PKI 23 I-joist series, the maximum end reaction is based on 3 1/2” bearing length. For all other I-joists, the maximum end reaction is based on 4” bearing length.

SIMPLE SPANS: 40 Live Load / 15 Dead Load (L/480)

19/32” Sheathing Glued & Screwed

JOIST DEPTH	JOIST TYPE	W/O CEILING DIRECTLY APPLIED			WITH CEILING DIRECTLY APPLIED		
		O/C SPACING			O/C SPACING		
		12"	16"	19.2"	12"	16"	19.2"
9 1/2"	PKI 10	15'- 4"	14'- 6"	14'- 1"	15'- 10"	15'- 0"	14'- 6"
	PKI 20	15'- 9"	14'- 10"	14'- 5"	16'- 2"	15'- 3"	14'- 9"
	PKI 23	15'- 11"	15'- 0"	14'- 7"	16'- 4"	15'- 6"	14'- 11"
	PKI 35 Plus	16'- 3"	15'- 4"	14'- 10"	16'- 8"	15'- 9"	15'- 3"
	PKI 40	17'- 2"	16'- 2"	15'- 8"	17'- 7"	16'- 7"	16'- 0"
11 7/8"	PKI 10	17'- 3"	16'- 3"	15'- 9"	17'- 9"	16'- 9"	16'- 3"
	PKI 20	17'- 7"	16'- 7"	16'- 1"	18'- 1"	17'- 1"	16'- 7"
	PKI 23	17'- 10"	16'- 10"	16'- 3"	18'- 5"	17'- 4"	16'- 9"
	PKI 35 Plus	18'- 2"	17'- 2"	16'- 7"	18'- 10"	17'- 7"	17'- 1"
	PKI 40	19'- 7"	18'- 2"	17'- 6"	20'- 2"	18'- 8"	17'- 11"
14"	PKI 10	18'- 10"	17'- 8"	17'- 1"	19'- 8"	18'- 3"	17'- 8"
	PKI 20	19'- 5"	18'- 1"	17'- 6"	20'- 2"	18'- 9"	18'- 0"
	PKI 23	19'- 8"	18'- 4"	17'- 8"	20'- 5"	19'- 0"	18'- 3"
	PKI 35 Plus	20'- 3"	18'- 9"	18'- 0"	20'- 11"	19'- 5"	18'- 8"
	PKI 40	21'- 9"	20'- 1"	19'- 3"	22'- 5"	20'- 9"	19'- 10"
16"	PKI 20	21'- 1"	19'- 7"	18'- 10"	21'- 11"	20'- 5"	19'- 7"
	PKI 23	21'- 5"	19'- 11"	19'- 1"	22'- 3"	20'- 8"	19'- 10"
	PKI 35 Plus	22'- 0"	20'- 5"	19'- 7"	22'- 9"	21'- 2"	20'- 3"
	PKI 40	23'- 8"	21'- 10"	20'- 11"	24'- 5"	22'- 7"	21'- 7"
	PKI 50	23'- 9"	22'- 0"	21'- 0"	24'- 6"	22'- 8"	21'- 8"
18"	PKI 40	25'- 6"	23'- 6"	22'- 6"	26'- 3"	24'- 4"	23'- 3"
	PKI 50	25'- 7"	23'- 8"	22'- 7"	26'- 5"	24'- 5"	23'- 4"
20"	PKI 40	27'- 2"	25'- 2"	24'- 0"	28'- 1"	26'- 0"	24'- 10"
	PKI 50	27'- 4"	25'- 3"	24'- 1"	28'- 2"	26'- 1"	24'- 11"
22"	PKI 40	28'- 10"	26'- 8"	25'- 6"	29'- 9"	27'- 7"	26'- 4"
	PKI 50	29'- 0"	26'- 9"	25'- 7"	29'- 11"	27'- 8"	26'- 6"
24"	PKI 40	30'- 6"	28'- 2"	26'- 10"	31'- 5"	29'- 2"	27'- 10"
	PKI 50	30'- 8"	28'- 3"	27'- 0"	31'- 7"	29'- 3"	27'- 11"

23/32” Sheathing Glued & Screwed

JOIST DEPTH	JOIST TYPE	W/O CEILING DIRECTLY APPLIED				WITH CEILING DIRECTLY AP-PLIED			
		O/C SPACING				O/C SPACING			
		12"	16"	19.2"	24"	12"	16"	19.2"	24"
9 1/2"	PKI 10	16'- 3"	15'- 4"	14'- 10"	13'- 10"	16'- 8"	15'- 9"	15'- 2"	13'- 10"
	PKI 20	16'- 7"	15'- 8"	15'- 1"	14'- 6"	17'- 0"	16'- 1"	15'- 6"	14'- 8"
	PKI 23	16'- 10"	15'- 10"	15'- 4"	14'- 8"	17'- 3"	16'- 3"	15'- 8"	15'- 0"
	PKI 35 Plus	17'- 2"	16'- 2"	15'- 7"	15'- 0"	17'- 6"	16'- 7"	15'- 11"	15'- 4"
	PKI 40	18'- 2"	17'- 1"	16'- 5"	15'- 9"	18'- 7"	17'- 5"	16'- 9"	16'- 1"
11 7/8"	PKI 10	18'- 2"	17'- 2"	16'- 6"	15'- 0"	18'- 10"	17'- 8"	16'- 10"	15'- 0"
	PKI 20	18'- 8"	17'- 6"	16'- 11"	16'- 3"	19'- 4"	18'- 0"	17'- 4"	16'- 8"
	PKI 23	19'- 0"	17'- 9"	17'- 1"	16'- 5"	19'- 7"	18'- 3"	17'- 7"	16'- 10"
	PKI 35 Plus	19'- 6"	18'- 1"	17'- 5"	16'- 9"	20'- 1"	18'- 8"	17'- 10"	17'- 2"
	PKI 40	20'- 11"	19'- 4"	18'- 5"	17'- 8"	21'- 6"	19'- 11"	18'- 11"	18'- 0"
14"	PKI 10	20'- 2"	18'- 9"	17'- 11"	17'- 3"	20'- 11"	19'- 6"	18'- 8"	17'- 9"
	PKI 20	20'- 9"	19'- 3"	18'- 5"	17'- 7"	21'- 6"	20'- 0"	19'- 1"	18'- 2"
	PKI 23	21'- 1"	19'- 7"	18'- 8"	17'- 10"	21'- 9"	20'- 3"	19'- 4"	18'- 4"
	PKI 35 Plus	21'- 7"	20'- 0"	19'- 1"	18'- 2"	22'- 3"	20'- 8"	19'- 9"	18'- 9"
	PKI 40	23'- 3"	21'- 6"	20'- 6"	19'- 5"	23'- 10"	22'- 1"	21'- 1"	19'- 11"
16"	PKI 10	20'- 2"	18'- 9"	17'- 11"	17'- 3"	20'- 11"	19'- 6"	18'- 8"	17'- 9"
	PKI 20	20'- 9"	19'- 3"	18'- 5"	17'- 7"	21'- 6"	20'- 0"	19'- 1"	18'- 2"
	PKI 23	21'- 1"	19'- 7"	18'- 8"	17'- 10"	21'- 9"	20'- 3"	19'- 4"	18'- 4"
	PKI 35 Plus	21'- 7"	20'- 0"	19'- 1"	18'- 2"	22'- 3"	20'- 8"	19'- 9"	18'- 9"
	PKI 40	23'- 3"	21'- 6"	20'- 6"	19'- 5"	23'- 10"	22'- 1"	21'- 1"	19'- 11"
18"	PKI 10	20'- 2"	18'- 9"	17'- 11"	17'- 3"	20'- 11"	19'- 6"	18'- 8"	17'- 9"
	PKI 20	20'- 9"	19'- 3"	18'- 5"	17'- 7"	21'- 6"	20'- 0"	19'- 1"	18'- 2"
	PKI 23	21'- 1"	19'- 7"	18'- 8"	17'- 10"	21'- 9"	20'- 3"	19'- 4"	18'- 4"
	PKI 35 Plus	21'- 7"	20'- 0"	19'- 1"	18'- 2"	22'- 3"	20'- 8"	19'- 9"	18'- 9"
	PKI 40	23'- 3"	21'- 6"	20'- 6"	19'- 5"	23'- 10"	22'- 1"	21'- 1"	19'- 11"
20"	PKI 10	20'- 2"	18'- 9"	17'- 11"	17'- 3"	20'- 11"	19'- 6"	18'- 8"	17'- 9"
	PKI 20	20'- 9"	19'- 3"	18'- 5"	17'- 7"	21'- 6"	20'- 0"	19'- 1"	18'- 2"
	PKI 23	21'- 1"	19'- 7"	18'- 8"	17'- 10"	21'- 9"	20'- 3"	19'- 4"	18'- 4"
	PKI 35 Plus	21'- 7"	20'- 0"	19'- 1"	18'- 2"	22'- 3"	20'- 8"	19'- 9"	18'- 9"
	PKI 40	23'- 3"	21'- 6"	20'- 6"	19'- 5"	23'- 10"	22'- 1"	21'- 1"	19'- 11"
22"	PKI 10	20'- 2"	18'- 9"	17'- 11"	17'- 3"	20'- 11"	19'- 6"	18'- 8"	17'- 9"
	PKI 20	20'- 9"	19'- 3"	18'- 5"	17'- 7"	21'- 6"	20'- 0"	19'- 1"	18'- 2"
	PKI 23	21'- 1"	19'- 7"	18'- 8"	17'- 10"	21'- 9"	20'- 3"	19'- 4"	18'- 4"
	PKI 35 Plus	21'- 7"	20'- 0"	19'- 1"	18'- 2"	22'- 3"	20'- 8"	19'- 9"	18'- 9"
	PKI 40	23'- 3"	21'- 6"	20'- 6"	19'- 5"	23'- 10"	22'- 1"	21'- 1"	19'- 11"
24"	PKI 10	20'- 2"	18'- 9"	17'- 11"	17'- 3"	20'- 11"	19'- 6"	18'- 8"	17'- 9"
	PKI 20	20'- 9"	19'- 3"	18'- 5"	17'- 7"	21'- 6"	20'- 0"	19'- 1"	18'- 2"
	PKI 23	21'- 1"	19'- 7"	18'- 8"	17'- 10"	21'- 9"	20'- 3"	19'- 4"	18'- 4"
	PKI 35 Plus	21'- 7"	20'- 0"	19'- 1"	18'- 2"	22'- 3"	20'- 8"	19'- 9"	18'- 9"
	PKI 40	23'- 3"	21'- 6"	20'- 6"	19'- 5"	23'- 10"	22'- 1"	21'- 1"	19'- 11"

SIMPLE SPANS: 40 Live Load / 30 Dead Load (L/480)

19/32” Sheathing Glued & Screwed

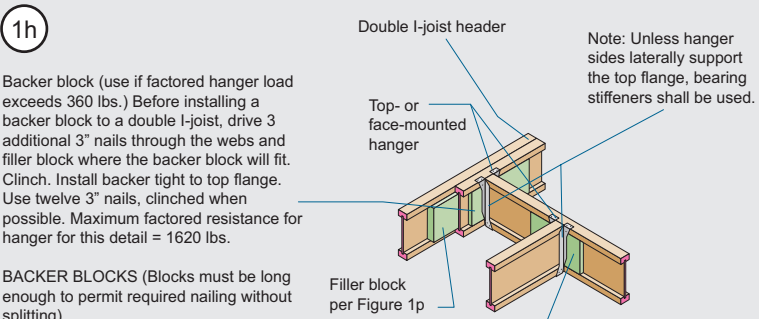
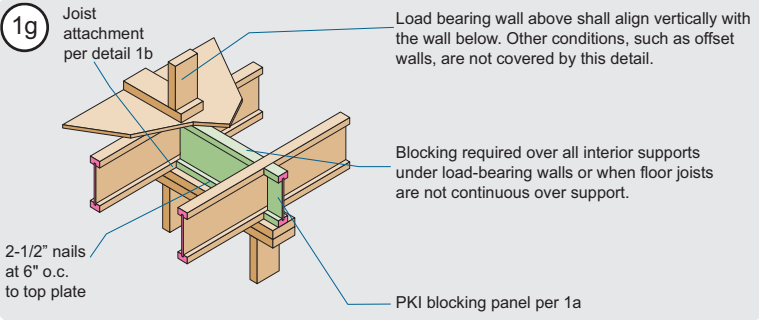
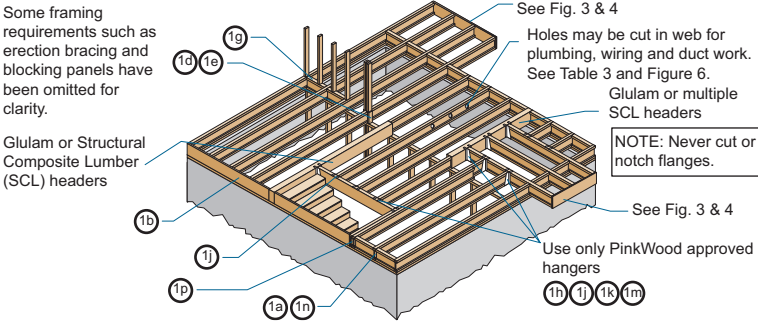
JOIST DEPTH	JOIST TYPE	W/O CEILING DIRECTLY APPLIED			WITH CEILING DIRECTLY APPLIED		
		O/C SPACING			O/C SPACING		
		12"	16"	19.2"	12"	16"	19.2"
9 1/2"	PKI 10	15'- 4"	14'- 6"	13'- 11"	15'- 10"	15'- 0"	13'- 11"
	PKI 20	15'- 9"	14'- 10"	14'- 5"	16'- 2"	15'- 3"	14'- 9"
	PKI 23	15'- 11"	15'- 0"	14'- 7"	16'- 4"	15'- 6"	14'- 11"
	PKI 35 Plus	16'- 3"	15'- 4"	14'- 10"	16'- 8"	15'- 9"	15'- 3"
	PKI 40	17'- 2"	16'- 2"	15'- 8"	17'- 7"	16'- 7"	16'- 0"
11 7/8"	PKI 10	17'- 3"	16'- 3"	15'- 1"	17'- 9"	16'- 7"	15'- 1"
	PKI 20	17'- 7"	16'- 7"	16'- 1"	18'- 1"	17'- 1"	16'- 7"
	PKI 23	17'- 10"	16'- 10"	16'- 3"	18'- 5"	17'- 4"	16'- 9"
	PKI 35 Plus	18'- 2"	17'- 2"	16'- 7"	18'- 10"	17'- 7"	17'- 1"
	PKI 40	19'- 7"	18'- 2"	17'- 6"	20'- 2"	18'- 8"	17'- 11"
14"	PKI 10	18'- 10"	17'- 8"	17'- 1"	19'- 8"	18'- 3"	17'- 8"
	PKI 20	19'- 5"	18'- 1"	17'- 6"	20'- 2"	18'- 9"	18'- 0"
	PKI 23	19'- 8"	18'- 4"	17'- 8"	20'- 5"	19'- 0"	18'- 3"
	PKI 35 Plus	20'- 3"	18'- 9"	18'- 0"	20'- 11"	19'- 5"	18'- 8"
	PKI 40	21'- 9"	20'- 1"	19'- 3"	22'- 5"	20'- 9"	19'- 10"
16"	PKI 10	21'- 10"	20'- 2"	19'- 4"	22'- 6"	20'- 10"	19'- 11"
	PKI 20	21'- 1"	19'- 7"	18'- 10"	21'- 11"	20'- 5"	19'- 7"
	PKI 23	21'- 5"	19'- 11"	19'- 1"	22'- 3"	20'- 8"	19'- 10"
	PKI 35 Plus	22'- 0"	20'- 5"	19'- 7"	22'- 9"	21'- 2"	20'- 3"
	PKI 40	23'- 8"	21'- 10"	20'- 11"	24'- 5"	22'- 7"	21'- 7"
18"	PKI 40	25'- 6"	23'- 6"	22'- 6"	26'- 3"	24'- 4"	23'- 3"
	PKI 50	25'- 7"	23'- 8"	22'- 7"	26'- 5"	24'- 5"	23'- 4"
20"	PKI 40	27'- 2"	25'- 2"	24'- 0"	28'- 1"	26'- 0"	24'- 10"
	PKI 50	27'- 4"	25'- 3"	24'- 1"	28'- 2"	26'- 1"	24'- 11"
22"	PKI 40	28'- 10"	26'- 8"	25'- 6"	29'- 9"	27'- 7"	26'- 4"
	PKI 50	29'- 0"	26'- 9"	25'- 7"	29'- 11"	27'- 8"	26'- 6"
24"	PKI 40	30'- 6"	28'- 2"	26'- 10"	31'- 5"	29'- 2"	27'- 10"
	PKI 50	30'- 8"	28'- 3"	27'- 0"	31'- 7"	29'- 3"	27'- 11"

23/32” Sheathing Glued & Screwed

JOIST DEPTH	JOIST TYPE	W/O CEILING DIRECTLY APPLIED				WITH CEILING DIRECTLY AP- PLIED			
		O/C SPACING				O/C SPACING			
		12"	16"	19.2"	24"	12"	16"	19.2"	24"
9 1/2"	PKI 10	16'- 3"	15'- 3"	13'- 11"	12'- 5"	16'- 8"	15'- 3"	13'- 11"	12'- 5"
	PKI 20	16'- 7"	15'- 8"	15'- 1"	13'- 10"	17'- 0"	16'- 1"	15'- 6"	13'- 10"
	PKI 23	16'- 10"	15'- 10"	15'- 4"	14'- 8"	17'- 3"	16'- 3"	15'- 8"	14'- 10"
	PKI 35 Plus	17'- 2"	16'- 2"	15'- 7"	15'- 0"	17'- 6"	16'- 7"	15'- 11"	15'- 2"
	PKI 40	18'- 2"	17'- 1"	16'- 5"	15'- 9"	18'- 7"	17'- 5"	16'- 9"	16'- 1"
11 7/8"	PKI 10	18'- 2"	16'- 7"	15'- 1"	13'- 6"	18'- 10"	16'- 7"	15'- 1"	13'- 6"
	PKI 20	18'- 8"	17'- 6"	16'- 11"	16'- 0"	19'- 4"	18'- 0"	17'- 4"	16'- 0"
	PKI 23	19'- 0"	17'- 9"	17'- 1"	16'- 5"	19'- 7"	18'- 3"	17'- 7"	16'- 10"
	PKI 35 Plus	19'- 6"	18'- 1"	17'- 5"	16'- 3"	20'- 1"	18'- 8"	17'- 10"	16'- 3"
	PKI 40	20'- 11"	19'- 4"	18'- 5"	17'- 8"	21'- 6"	19'- 11"	18'- 11"	18'- 0"
14"	PKI 50	21'- 1"	19'- 5"	18'- 6"	17'- 8"	21'- 7"	20'- 0"	19'- 0"	18'- 1"
	PKI 10	20'- 2"	18'- 9"	17'- 10"	15'- 11"	20'- 11"	19'- 6"	17'- 10"	15'- 11"
	PKI 20	20'- 9"	19'- 3"	18'- 5"	17'- 2"	21'- 6"	20'- 0"	19'- 1"	17'- 2"
	PKI 23	21'- 1"	19'- 7"	18'- 8"	17'- 10"	21'- 9"	20'- 3"	19'- 4"	18'- 4"
	PKI 35 Plus	21'- 7"	20'- 0"	19'- 1"	16'- 6"	22'- 3"	20'- 8"	19'- 9"	16'- 6"
16"	PKI 40	23'- 3"	21'- 6"	20'- 6"	19'- 5"	23'- 10"	22'- 1"	21'- 1"	19'- 11"
	PKI 50	23'- 4"	21'- 7"	20'- 7"	19'- 6"	23'- 11"	22'- 2"	21'- 2"	20'- 0"
	PKI 20	22'- 7"	20'- 11"	20'- 0"	17'- 5"	23'- 4"	21'- 9"	20'- 9"	17'- 5"
	PKI 23	22'- 11"	21'- 3"	20'- 3"	19'- 3"	23'- 8"	22'- 0"	21'- 1"	19'- 11"
	PKI 35 Plus	23'- 6"	21'- 9"	20'- 9"	16'- 8"	24'- 3"	22'- 6"	20'- 10"	16'- 8"
18"	PKI 40	25'- 3"	23'- 4"	22'- 3"	21'- 1"	25'- 11"	24'- 0"	22'- 11"	21'- 8"
	PKI 50	25'- 5"	23'- 6"	22'- 4"	21'- 2"	26'- 0"	24'- 1"	23'- 0"	21'- 9"
20"	PKI 40	27'- 2"	25'- 2"	23'- 11"	22'- 8"	27'- 11"	25'- 10"	24'- 8"	23'- 4"
	PKI 50	27'- 4"	25'- 3"	24'- 0"	22'- 9"	28'- 0"	26'- 0"	24'- 9"	23'- 5"
22"	PKI 40	29'- 1"	26'- 10"	25'- 6"	24'- 2"	29'- 10"	27'- 7"	26'- 4"	24'- 11"
	PKI 50	29'- 2"	26'- 11"	25'- 8"	24'- 3"	29'- 11"	27'- 9"	26'- 5"	25'- 0"
24"	PKI 40	30'- 10"	28'- 6"	27'- 1"	25'- 7"	31'- 8"	29'- 4"	27'- 11"	26'- 6"
	PKI 50	31'- 0"	28'- 7"	27'- 2"	25'- 9"	31'- 9"	29'- 5"	28'- 1"	26'- 7"
26"	PKI 40	32'- 8"	30'- 0"	28'- 7"	27'- 0"	33'- 10"	30'- 11"	29'- 6"	27'- 2"
	PKI 50	32'- 10"	30'- 2"	28'- 8"	27'- 2"	34'- 0"	31'- 1"	29'- 7"	27'- 2"

FLOOR INSTALLATION DETAILS - PKI 10, 20, 23, 35 Plus, 40 & 50

Canadian Handling & Installation Recommendations



1a

Blocking panel or rim joist	Max Factored Vertical Uniform Loads
PKI Rim joist	3300 (PLF)

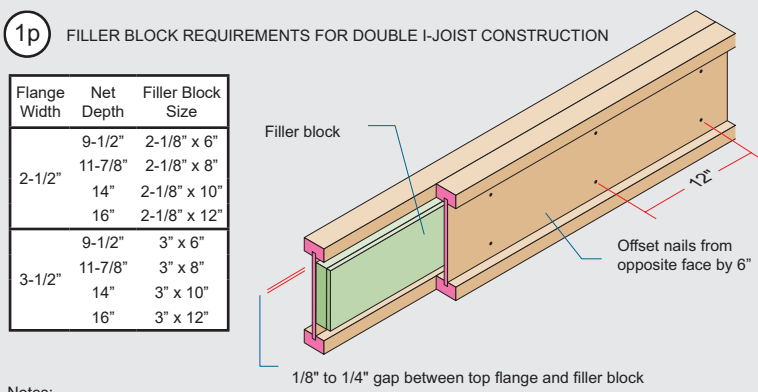
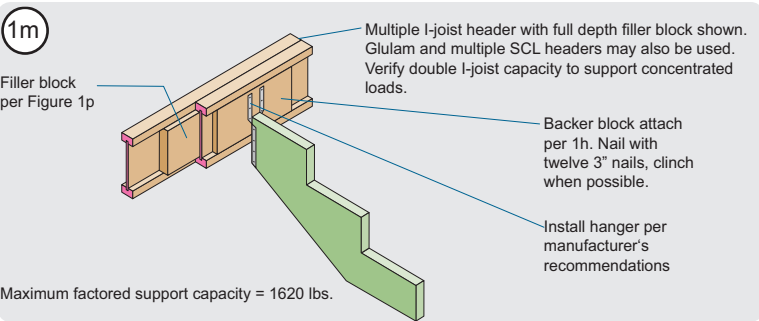
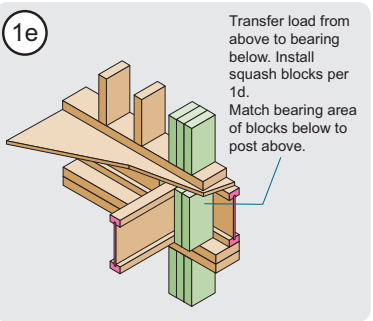
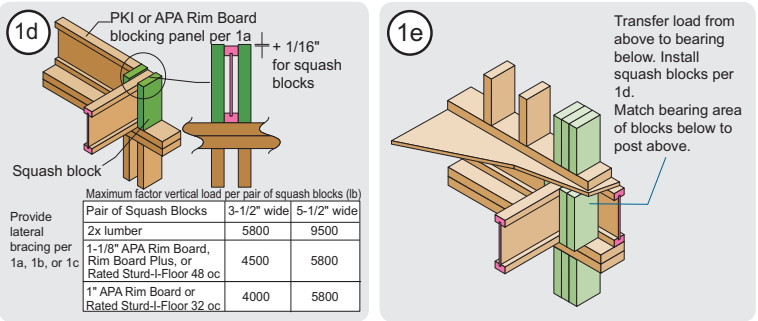
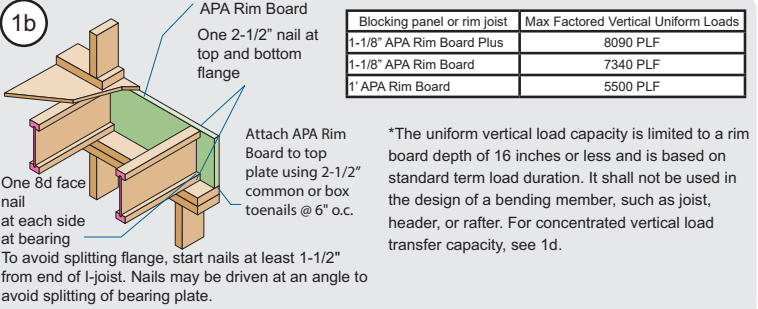
*The uniform vertical load is limited to a joist depth of 16 inches or less and is based on standard term load duration. It shall not be used in the design of a bending member, such as joist, header, or rafter. For concentrated vertical load transfer capacity, see 1d.

2-1/2" nails @ 6" o.c. to top plate (when used for lateral shear transfer, nail to bearing plate with same nailing as required for decking)

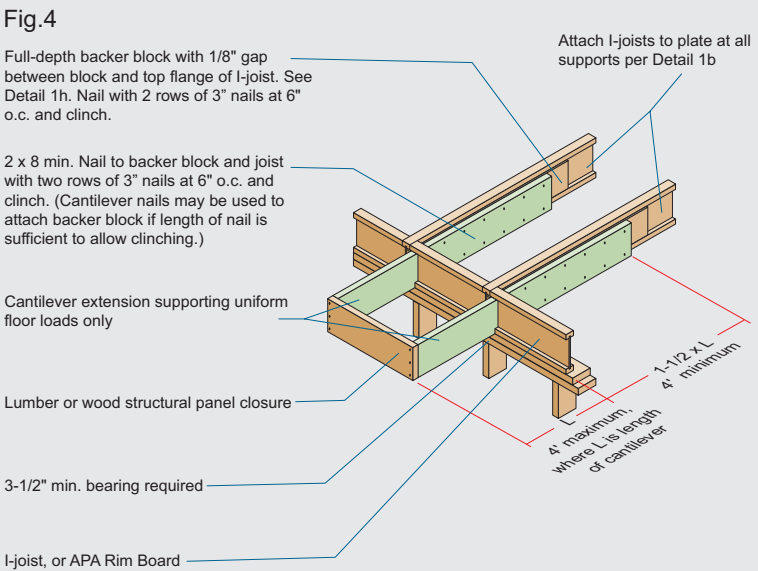
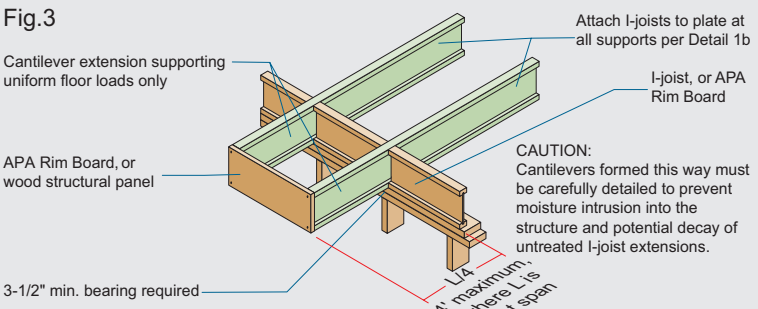
Flange Width	Material Thickness Required ^(a)	Minimum Depth ^(b)
2-1/2"	1"	5-1/2"
3-1/2"	1-1/2"	7-1/4"

(a) Minimum grade for backer block material shall be Utility grade SPF (south) or better for solid sawn lumber and Rated Sheathing or Single Floor grade for wood structural panels.

(b) For face-mount hangers use net joist depth minus 3-1/4" for joists with 1-1/2" thick flanges. For 1-5/16" thick flanges use net depth minus 2-7/8".



- Notes:
- Support back of I-joist web during nailing to prevent damage to web/flange connection.
 - Leave a 1/8-inch gap between top of filler block and bottom of top I-joist flange.
 - Filler block is required between joists for full length of span.
 - Nail joists together with two rows of 3" nails at 12 inches oc (clinched when possible) on each side of the double I-joist. Total of 4 nails per foot required. If nails can be clinched, only 2 nails per foot are required.
 - The maximum load that may be applied to one side of the double joist using this detail is 860 lbf/ft.
 - For I-joist depths greater than 16 inches, please contact your PinkWood representative for details.



I-JOIST WEB STIFFENERS

- A web stiffener is a wood block that is used to reinforce the web of an I-joist at locations where:
- The webs of the I-joist are in jeopardy of buckling out of plane. This usually occurs in deeper I-joists.
 - The webs of the I-joist are in jeopardy of "knifing" through the I-joist flanges. This can occur at any I-joist depth when the design reaction loads exceed a specific level.
 - The I-joist is supported in a hanger and the sides of the hanger do not extend up to the top flange. With the top flange unsupported by the hanger sides, the joist may deflect laterally, putting a twist in the flange of the joist. The web stiffener supports the I-joist along a vertical axis as designed. (In this application, the web stiffener acts very much like a backer block.)
- There are two kinds of web stiffeners: bearing stiffeners and load stiffeners. They are differentiated by the applied load and the location of the gap between the slightly undersized stiffener and the top or bottom flange.

WEB STIFFENER INSTALLATION DETAILS

Bearing stiffeners are located at the reactions, both interior and exterior, when required. Load stiffeners are located between supports where significant point loads are applied to the top flange of an I-joist.

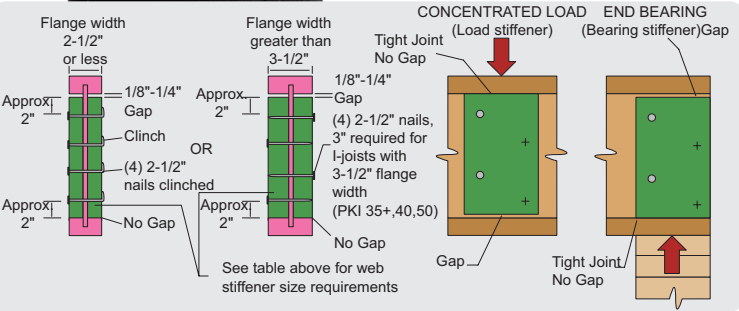
STIFFENER SIZE REQUIREMENTS

Table 3

PKI Flange Width	Web Stiffener Size Each Side of Web
2-1/2"	1" x 2-5/16" min. width
3-1/2"	1-1/2" x 2-5/16" min. width



"Fire Rated PKjoists make your home a safer place to live. To me that's making it right."
Mike Holmes



PHYSICAL DESCRIPTION:

Web stiffener blocks may be comprised of lumber, APA Rim Board or wood structural panels. The wood structural panels should be Rated Sheathing or Single Floor; minimum lumber grade is Utility grade SPF (south) or better.

Ideally, the depth of the web stiffener should equal the distance between the flanges of the joist minus 1/8 inch to 1/4 inch. For **bearing stiffeners**, this gap is placed between the top of the stiffener and the bottom of the top flange. For **load stiffeners**, the gap is located at the bottom of the stiffener.

Disclaimer: The above details represent the most common details found in day to day construction of I-joist floor systems and are not intended to cover all scenarios that may be encountered in the field. When faced with an uncertain design detail, please contact your PKI supplier or PinkWood Ltd. for assistance.

LOCATION OF CIRCULAR HOLES IN PKI JOIST WEBS

TABLE 5. Simple or Multiple Span for Live Loads up to 40 psf and Dead Loads up to 15 psf

Joist Depth	Series	SAF	Minimum Distance from Inside Face of Any Supports to Center of Hole (ft-in)																					
			Round Hole Diameter (in.)																					
			2	3	4	5	6	6 1/4	7	8	8 5/8	9	10	10 3/4	11	12	12 3/4	13	14	14 3/4	15	16	16 3/4	17
9 1/2"	PKI 10	12.91	1'-1"	1'-2"	1'-8"	2'-11"	4'-4"	4'-9"																
	PKI 20	14.09	1'-1"	1'-2"	2'-5"	3'-9"	5'-2"	5'-7"																
	PKI 23	14.83	1'-1"	1'-2"	1'-5"	3'-1"	4'-10"	5'-3"																
	PKI 35 Plus	15.32	1'-1"	2'-1"	3'-5"	4'-9"	6'-3"	6'-9"																
	PKI 40	16.81	2'-0"	3'-4"	4'-9"	6'-4"	7'-11"	8'-4"																
11 7/8"	PKI 10	14.81	1'-1"	1'-2"	1'-2"	1'-8"	2'-10"	3'-2"	4'-2"	5'-6"	6'-7"													
	PKI 20	16.32	1'-1"	1'-2"	1'-5"	2'-8"	3'-11"	4'-3"	5'-2"	6'-8"	7'-11"													
	PKI 23	17.52	1'-1"	1'-2"	1'-2"	1'-8"	3'-1"	3'-6"	4'-8"	6'-4"	7'-6"													
	PKI 35 Plus	17.67	1'-1"	1'-2"	2'-4"	3'-7"	4'-10"	5'-2"	6'-2"	7'-9"	9'-1"													
	PKI 40	19.96	1'-5"	2'-9"	4'-1"	5'-6"	6'-11"	7'-3"	8'-5"	10'-1"	11'-2"													
14"	PKI 50	20.08	1'-1"	1'-2"	1'-2"	2'-7"	4'-5"	4'-10"	6'-3"	8'-2"	9'-6"													
	PKI 10	16.24	1'-1"	1'-2"	1'-2"	1'-3"	1'-8"	1'-11"	2'-9"	4'-0"	4'-9"	5'-3"	6'-8"	8'-2"										
	PKI 20	17.69	1'-1"	1'-2"	1'-2"	1'-5"	2'-7"	2'-10"	3'-9"	5'-0"	5'-10"	6'-4"	7'-10"	9'-8"										
	PKI 23	19.24	1'-1"	1'-2"	1'-2"	1'-3"	1'-10"	2'-2"	3'-2"	4'-7"	5'-7"	6'-2"	7'-9"	9'-6"										
	PKI 35 Plus	18.42	1'-1"	1'-2"	1'-3"	2'-5"	3'-7"	3'-10"	4'-9"	6'-1"	6'-11"	7'-6"	9'-4"	11'-5"										
16"	PKI 40	22.63	1'-1"	2'-2"	3'-5"	4'-9"	6'-1"	6'-5"	7'-6"	8'-11"	9'-11"	10'-6"	12'-2"	13'-7"										
	PKI 50	22.76	1'-1"	1'-2"	1'-2"	2'-4"	3'-11"	4'-4"	5'-6"	7'-3"	8'-4"	9'-0"	10'-11"	12'-5"										
	PKI 20	18.97	1'-1"	1'-2"	1'-2"	1'-3"	1'-5"	1'-8"	2'-6"	3'-8"	4'-5"	4'-10"	6'-1"	7'-1"	7'-5"	9'-3"	11'-3"							
	PKI 23	19.94	1'-1"	1'-2"	1'-2"	1'-3"	1'-3"	1'-4"	1'-5"	2'-9"	3'-7"	4'-1"	5'-8"	7'-0"	7'-5"	9'-5"	11'-7"							
	PKI 35 Plus	18.71	1'-1"	1'-2"	1'-2"	1'-5"	2'-6"	2'-10"	3'-8"	4'-10"	5'-7"	6'-1"	7'-4"	8'-4"	8'-9"	11'-0"	13'-0"							
18"	PKI 40	25.03	1'-1"	1'-2"	2'-3"	3'-7"	4'-10"	5'-2"	6'-2"	7'-6"	8'-5"	9'-0"	10'-6"	11'-9"	12'-2"	14'-3"	15'-10"							
	PKI 50	25.17	1'-1"	1'-2"	1'-2"	2'-2"	3'-7"	3'-11"	5'-1"	6'-7"	7'-7"	8'-2"	9'-10"	11'-1"	11'-7"	13'-5"	15'-0"							
	PKI 10	27.24	1'-1"	1'-2"	1'-2"	1'-3"	2'-5"	2'-9"	3'-9"	5'-1"	6'-0"	6'-6"	8'-0"	9'-2"	9'-6"	11'-2"	12'-8"	13'-2"	15'-6"	17'-6"				
	PKI 20	27.41	1'-1"	1'-2"	1'-2"	2'-3"	3'-7"	3'-11"	4'-11"	6'-4"	7'-3"	7'-9"	9'-3"	10'-5"	10'-10"	12'-5"	13'-9"	14'-2"	16'-0"	17'-8"				
	PKI 35 Plus	27.41	1'-1"	1'-2"	1'-2"	2'-3"	3'-7"	3'-11"	4'-11"	6'-4"	7'-3"	7'-9"	9'-3"	10'-5"	10'-10"	12'-5"	13'-9"	14'-2"	16'-0"	17'-8"				
20"	PKI 40	29.48	1'-1"	1'-2"	1'-2"	1'-3"	1'-7"	1'-11"	2'-10"	4'-2"	4'-11"	5'-5"	6'-10"	7'-10"	8'-2"	9'-7"	10'-9"	11'-1"	12'-11"	14'-8"	15'-3"	17'-9"	20'-1"	
	PKI 50	29.66	1'-1"	1'-2"	1'-2"	1'-10"	3'-1"	3'-5"	4'-4"	5'-8"	6'-6"	7'-0"	8'-5"	9'-6"	9'-10"	11'-3"	12'-5"	12'-10"	14'-5"	15'-9"	16'-3"	18'-5"	20'-3"	
22"	PKI 40	30.34	1'-1"	1'-2"	1'-2"	1'-3"	1'-3"	1'-4"	2'-1"	3'-3"	4'-1"	4'-6"	5'-9"	6'-9"	7'-1"	8'-5"	9'-5"	9'-9"	11'-2"	12'-4"	12'-9"	14'-10"	16'-7"	17'-4"
	PKI 50	30.34	1'-1"	1'-2"	1'-2"	1'-3"	1'-10"	2'-1"	3'-0"	4'-3"	5'-0"	5'-6"	6'-9"	7'-9"	8'-1"	9'-5"	10'-5"	10'-9"	12'-2"	13'-6"	13'-11"	16'-1"	17'-10"	18'-5"
24"	PKI 40	30.34	1'-1"	1'-2"	1'-2"	1'-3"	1'-3"	1'-4"	1'-4"	2'-6"	3'-3"	3'-8"	4'-10"	5'-9"	6'-1"	7'-4"	8'-3"	8'-7"	9'-10"	10'-10"	11'-2"	12'-7"	13'-11"	14'-5"
	PKI 50	30.34	1'-1"	1'-2"	1'-2"	1'-3"	1'-3"	1'-4"	2'-2"	3'-4"	4'-1"	4'-6"	5'-9"	6'-8"	6'-11"	8'-2"	9'-2"	9'-6"	10'-9"	11'-10"	12'-2"	13'-10"	15'-3"	15'-9"

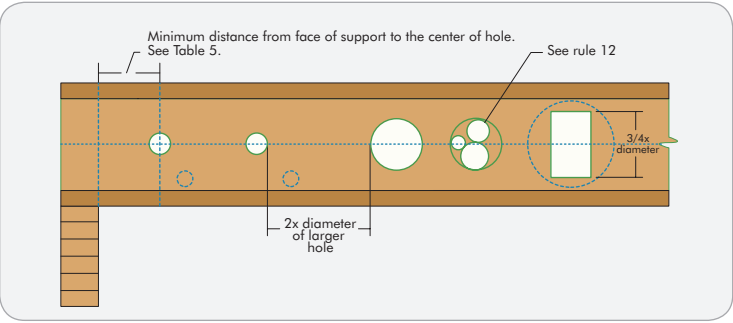
WEB HOLE SPECIFICATIONS

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

Rules for cutting holes in PKI Joists

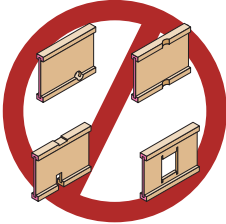
- The distance between the inside edge of the support and the centerline of any hole shall be in compliance with the requirements of Table 5.
- I-joist top and bottom flanges must NEVER be cut, notched or otherwise modified.
- Whenever possible, field-cut holes should be centered on the middle of the 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 inch. A minimum of 1/8 inch should always be maintained between the top or bottom of the hole and the adjacent I-joist flange.
- The sides of square holes or longest sides of rectangular holes should not exceed three-fourths of the diameter of the maximum round hole 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 5.
- Holes measuring 1-1/2 inches or smaller shall be permitted anywhere in a cantilevered section of a PKI Joist. Holes of greater size may be permitted subject to verification.
- A 1-1/2-inch 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.

PKI JOIST TYPICAL HOLES - FIGURE 6



Cutting the Hole

- Never drill, cut or notch the flange, or over-cut the web.
- Holes in webs should be cut with a sharp saw.
- For rectangular holes, avoid over-cutting the corners, as this can cause unnecessary stress concentrations. Slightly rounding the corners is recommended. Starting the rectangular hole by drilling a 1-inch-diameter hole in each of the four corners and then making the cuts between the holes is another good method to minimize damage to the I-joist.



Notes:

- (a) Table may be used for I-joist spacing of 24 inches o.c. or less.
- (b) Hole location distance is measured from inside face of supports to center of hole.
- (c) Distances in this chart are based on uniformly loaded joists.
- (d) Hole sizes and/or locations that fall outside the scope of this table may be acceptable based on analysis of actual hole size, span, spacing and loading conditions. The I-joist shear capacity at the location of a circular web hole (V_n) is calculated using the following equation:

$$V_n = \text{Published Shear Value} \times [(\text{Joist Depth} - \text{Hole Diameter}) / \text{Joist Depth}]$$

- (e) SAF = Span Adjustment Factor, used as defined below:

OPTIONAL:

Table 5 is based on the I-joists used at their maximum span. If the I-joists are placed at less than their full allowable span, the maximum distance from the centerline of the hole to the face of any support (D) as indicated, may be reduced as follows:

$$D_{\text{reduced}} = \frac{L_{\text{actual}}}{\text{SAF}} \times D$$

Where: D_{reduced} = Distance from the inside face of any support to center of hole, reduced for less-than-maximum span applications (ft). The reduced distance shall not be less than 12 inches from the face of the support to edge of the hole.

L_{actual} = The actual measured span distance between the inside faces of supports (ft).

SAF = Span Adjustment Factor given in this table.

D = The minimum distance from the inside face of any support to center of hole from this table.

If $\frac{L_{\text{actual}}}{\text{SAF}}$ is greater than 1, use 1 in the above calculation for $\frac{L_{\text{actual}}}{\text{SAF}}$

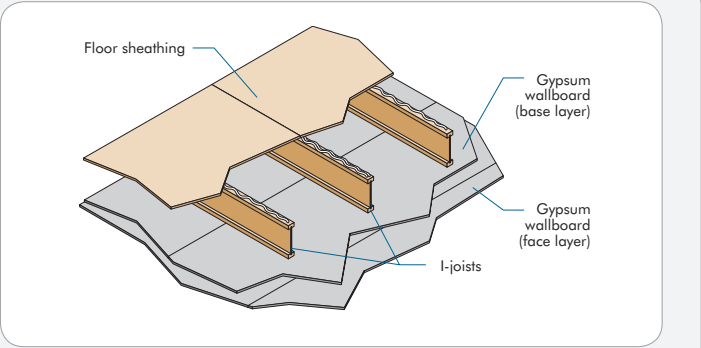
FIRE RATED ASSEMBLIES

Full PinkWood Fire assembly listings can be found in APA Product Report PR-S315

PinkWood Assembly PK1.5

One-Hour Fire Resistance Rated Floor/Ceiling Assembly
This fire resistance design is listed in accordance with American Wood Council's Design for Code Acceptance (DCA) 3

PKI 10, PKI 20, PKI 23, PKI 35Plus, PKI 40 and PKI 50



A. BASIC ASSEMBLIES

- Floor Topping (Optional): Varies (reference sound ratings if applicable).
- Floor Sheathing: Min. 23/32-inch (18-mm) T&G Wood Structural Panel. The sheets shall be installed with their long edge perpendicular to the joists with end joints centered over the top flange of joists. Floor sheathing must be installed per code requirements.
- Structural Members: Min. 9-1/4 inches (235 mm) deep I-joists. Max. 24 inches (610 mm) on center spacing. Min. flange thickness of 1-1/2 inches (38 mm) and each flange area of at least 2.25 inches² (1,452 mm²). Min. web thickness of 3/8 inch (9.5 mm).
- Ceiling: Two layers of 1/2-inch (13-mm) Type C Gypsum Wallboard.
 - Base Layer: Install with long dimension perpendicular to joist length. Attach to the bottom flange of the joists using 1-inch (25-mm) Type S drywall screws at 12 inches (305 mm) on center. The end joints of the wallboard must be centered on the bottom flange of the joist and must be staggered.
 - Face Layer: Install with long dimension perpendicular to joist length. Attach to the bottom flange of the joists through the base layer using 1-5/8-inch (41-mm) Type S drywall screws spaced at 12 inches (305 mm) on center on intermediate joists and 8 inches (203 mm) on center at end joints. The longitudinal joints of this layer must be offset 24 inches (610 mm) from those of the base layer. The end joints must be centered on the bottom flange of the joists and offset a min. of 48 inches (1219 mm) from those of the base layer. Additionally, face layer end joints are attached to the base layer with 1-1/2-inch (38-mm) Type G drywall screws at 8 inches (203 mm) on center with a 4-inch (102-mm) stagger, placed 6 inches (152 mm) either side of the joint.
 - Finish: The face layer joints must be covered with tape and coated with joint compound. Screw heads must also be covered with joint compound.

B. SOUND RATING(a)

Components	STC	IIC
Base Assembly with Carpet and Padding, Gypsum Concrete	49	55

(a) Sound ratings from the American Wood Council publication Design for Code Acceptance (DCA) 3.

FIRE RATED ASSEMBLIES

PinkWood Assembly PK1.6
One-Hour Fire Resistance Rated Floor/Ceiling Assembly
This fire resistance design is listed in accordance with American Wood Council's Design for Code Acceptance (DCA) 3

PKI 10, PKI 20, PKI 23, PKI 35 Plus, PKI 40 and PKI 50

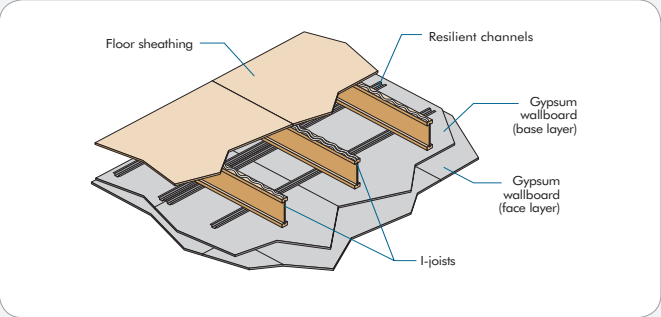
A. BASIC ASSEMBLIES

- 1. Floor Topping (Optional): Varies (reference sound ratings if applicable).
- 2. Floor Sheathing: Min. 23/32-inch (18-mm) T&G Wood Structural Panel. The sheets shall be installed with their long edge perpendicular to the joists with end joints centered over the top flange of joists. Floor sheathing must be installed per code requirements.
- 3. Structural Members: Min. 9-1/4 inches (235 mm) Deep I-joists. Max. 24 inches (610 mm) on center spacing. Min. flange thickness of 1-1/2 inches (38 mm) and each flange area of at least 2.25 inches² (1,452 mm²). Min. web thickness of 3/8 inch (9.5 mm).
- 4. Resilient Channels†: Min. 0.019-inch (0.5-mm) Galvanized Resilient Channels. Attached perpendicular to the bottom flange of the I-joist with 1-1/4-inch (32-mm) Type S drywall screws. Channels are spaced a max. of 16 inches (406 mm) on center (24 inches or 610 mm when I-joists are spaced a max. of 16 inches or 406 mm on center), are doubled at each base layer wallboard end joint, and extend to the next joist beyond each joint.
- 5. Ceiling: Two layers of 1/2-inch (13-mm) Type C Gypsum Wallboard.
 - a. Base Layer: Install with long dimension perpendicular to resilient channels. Attach to the resilient channels using 1-1/4 inch (32-mm) Type S drywall screws at 12 inches (305 mm) on center. The end joints of the wallboard must be staggered.
 - b. Face Layer: Install with long dimension perpendicular to resilient channels. Attach to the resilient channels through the base layer using 1-5/8-inch (41-mm) Type S drywall screws spaced at 12 inches (305 mm) on center. The longitudinal joints of this layer must be offset 24 inches (610 mm) from those of the base layer. Additionally, face layer end joints are attached to the base layer with 1-1/2-inch (38-mm) Type G drywall screws at 8 inches (203 mm) on center placed 1-1/2 inches (38 mm) either side of the joint.
 - c. Finish: The face layer joints must be covered with tape and coated with joint compound. Screw heads must also be covered with joint compound.

B. SOUND RATING(a)

Components	STC	IIC
Base Assembly with Carpet and Padding	54	68
Base Assembly with Carpet and Padding, Gypsum Concrete	58	55

(a) Sound ratings from the American Wood Council publication Design for Code Acceptance (DCA) 3.



PinkWood Assembly PK1.7
One-Hour Fire Resistance Rated Floor/Ceiling Assembly
This fire resistance design is listed in accordance with American Wood Council's Design for Code Acceptance (DCA) 3

PKI 10, PKI 20, PKI 23, PKI 35 Plus, PKI 40 and PKI 50

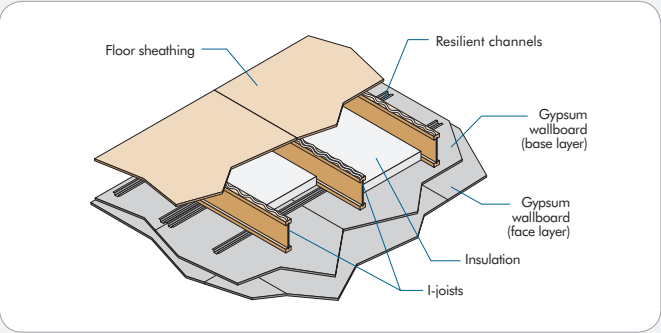
A. BASIC ASSEMBLIES

- 1. Floor Topping (Optional): Varies (reference sound ratings if applicable).
- 2. Floor Sheathing: Min. 23/32-inch (18-mm) T&G Wood Structural Panel. The sheets shall be installed with their long edge perpendicular to the joists with end joints centered over the top flange of joists. Floor sheathing must be installed per code requirements.
- 3. Insulation: Glass Fiber Insulation. Installed between I-joists and supported by resilient channels.
- 4. Structural Members: Min. 9-1/4 inches (235 mm) Deep I-joists. Max. 24 inches (610 mm) on center spacing. Min. flange thickness of 1-1/2 inches (38 mm) and each flange area of at least 2.25 inches² (1,452 mm²). Min. web thickness of 3/8 inch (9.5 mm).
- 5. Resilient Channels†: Min. 0.019-inch (0.5-mm) Galvanized Resilient Channels. Attached perpendicular to the bottom flange of the I-joist with 1-1/4-inch (32-mm) Type S drywall screws. Channels are spaced a max. of 16 inches (406 mm) on center (24 inches or 610 mm when I-joists are spaced a max. of 16 inches or 406 mm on center), are doubled at each base layer wallboard end joint, and extend to the next joist beyond each joint.
- 6. Ceiling: Two layers of 1/2-inch (13-mm) Type C Gypsum Wallboard.
 - a. Base Layer: Install with long dimension perpendicular to resilient channels. Attach to the resilient channels using 1-1/4 inch (32-mm) Type S drywall screws at 12 inches (305 mm) on center. The end joints of the wallboard must be staggered.
 - b. Face Layer: Install with long dimension perpendicular to resilient channels. Attach to the resilient channels through the base layer using 1-5/8-inch (41-mm) Type S drywall screws spaced at 12 inches (305 mm) on center. The longitudinal joints of this layer must be offset 24 inches (610 mm) from those of the base layer. Additionally, face layer end joints are attached to the base layer with 1-1/2-inch (38-mm) Type G drywall screws at 8 inches (203 mm) on center placed 1-1/2 inches (38 mm) either side of the joint.
 - c. Finish: The face layer joints must be covered with tape and coated with joint compound. Screw heads must also be covered with joint compound.

B. SOUND RATING(a)

Components	STC	IIC
Base Assembly with cushioned vinyl	59	50
Base Assembly with Carpet and Padding	55	68
Base Assembly with cushioned vinyl, Gypsum Concrete	65	51
Base Assembly with Carpet and Padding, Gypsum Concrete	63	65

(a) Sound ratings from the American Wood Council publication Design for Code Acceptance (DCA) 3.



PRODUCT STORAGE

Protect products from sun and water.

Caution: Wrap is slippery when wet.

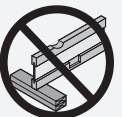
Use support blocks at 10' on centre to keep products out of mud and water.



SAFETY PRECAUTIONS



DO NOT... drill any holes over a support.



DO NOT... cut or notch top or bottom cords.



DO NOT... split the flange. Ensure proper toe nailing.



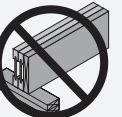
DO NOT... bevel cut the joist past the inside face of wall.



DO NOT... use conventional lumber for structural rim or band board.



DO NOT... install joists on an angle.



DO NOT... use conventional lumber combined with PKI Joists as built-up.



DO NOT... prolong exposure to the elements, (rain, snow, sun) either on-site or at lumber yard.

WARNING

Joists are unstable until braced laterally

Bracing includes:

- Blocking
- Hangers
- Rim Board
- Sheathing
- Rim
- Strut Lines

Lack of proper bracing during construction can result in serious injuries. Follow these guidelines:

- 1. All blocking, hangers, rim boards and rim joists at the end supports of the PKI Joists must be completely installed and properly nailed.
- 2. Lateral strength, like a braced end wall or an existing deck, must be established at the end of the bay. This can also be accomplished by a temporary or permanent deck (sheathing) fastened to the first four feet of joists at the end of the bay.
- 3. Safety bracing of 1x4 (minimum) must be nailed to a braced end wall or sheathed area (as in #2) and to each joist. Without this bracing, buckling sideways or rollover is highly probable under light construction loads - such as a worker or one layer of unnailed sheathing.
- 4. Sheathing must be completely attached to each PKI Joist before additional loads can be placed on the system.
- 5. Ends of cantilevers require safety bracing on both the top and bottom flanges.
- 6. The flanges must remain straight within a tolerance of 1/2" from true alignment.

DO NOT walk on joists until braced. INJURY CAN OCCUR.



DO NOT stack building materials on unsheathed joists. Stack only over beams or walls.



DO NOT walk on joists that are lying flat.





ENGINEERED FLOOR SYSTEM GUARANTEE

PinkWood joists are manufactured to meet or exceed the rigorous engineering and testing standards set by every major code approval agency in North America.

All PinkWood joist products are unconditionally guaranteed to be free of manufacturing defects. When installed and handled as per the PKjoist Installation Guide, our joists will perform in accordance with the published structural specifications.

In the unlikely event that a problem occurs due to a manufacturing defect, PinkWood shall be given a reasonable opportunity to inspect the PinkWood product on site. If this evaluation reveals a problem due to manufacturing defects, the situation shall be promptly corrected.

Please feel free to contact a representative of PinkWood for specific details and limitations of this guarantee.

Authorized Dealer:



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