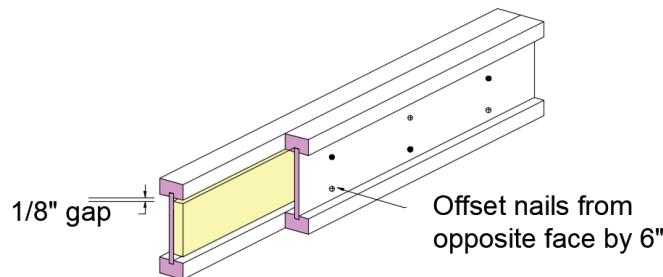


PinkWood PKI® Joists

Double I-Joists Web Filler Requirements for Uniform/Partial Uniform Loads – Canada (LSD)

Web filler block requirements and specifications:

Web filler blocking/material shall be installed as indicated below to reinforce the structural capacity of double PKI® I-Joists when the loading occurs from either side of the I-joists such as uniform/partial-uniform loads, when the I-Joists are not continuously braced (top and bottom), or when the top uniform/partial uniform loads are not equally transferred by each individual ply/I-joist.



Notes:

1. Filler block material shall be dry lumber (SPF #2 Grade, or better), any grade of APA's Rated Rim Board or Wood Structural Panels.
2. Filler block shall be full length of double I-Joists. Filler block does not have to be continuous along the length (the filler block may be comprised of multiple pieces butted together along the length).
3. Filler block dimensions shall be as indicated below:

I-Joist Flange Width	I-Joist Flange Thickness	I-Joist Depth	Filler Block Size (Thickness x Height)
2-1/2"	1-1/2"	9-1/2"	2-1/8" x 6"
		11-7/8"	2-1/8" x 8"
		14"	2-1/8" x 10"
		16"	2-1/8" x 12"
3-1/2"	1-1/2"	9-1/2"	3" x 6"
		11-7/8"	3" x 8"
		14"	3" x 10"
		16"	3" x 12"
		18"	3" x 14"
		20"	3" x 16"
		22"	3" x 18"
24"	3" x 20"		

4. Nail joists together with two rows of 10d common nails (0.148" x 3") at 12" o.c for I-Joists depths ≤ 14", three rows of 10d common nails (0.148" x 3") at 12" o.c for I-Joists depths = 16", and four rows of 10d common nails (0.148" x 3") at 12" o.c for I-Joists depths > 16". Clinch nails when possible.
5. Support the back of the I-Joist web during nailing to prevent damage to web/flange connection.
6. The maximum factored load that may be applied to one side of the double I-Joist using this detail is 860 PLF for a standard load duration (KD = 1.0).