

INSTALLATION GUIDE

U.S. HANDLING & INSTALLATION RECOMMENDATIONS

USA Version

*The uniform vertical load capacity is limited to a rim board depth of 16" 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.

One 8d face nail at each side at bearing. To avoid splitting flange, start nails at least 1 1/2" from end of i-joist. Nails may be driven at an angle to avoid splitting of bearing plate.

Maximum support capacity = 1280 lbf.

	16"	2 1/8" x 12"
3 1/2"	9 1/2"	3" x 6"
	11 7/8"	3" x 8"
	14"	3" x 10"
	16"	3" x 12"

(c) Load bearing wall above shall align vertically with the wall below. Other conditions, such as offset walls, are not covered by this detail.

+ $\frac{1}{2}$ " for
squash
blocks

Squash blocks
($\frac{1}{8}$ " height
over joist)

Pair of Squash Blocks	Vertical load transfer capacity of squash blocks [kN] ^a	[kip]
2x lumber	3600	9800
1½" APA Rim Board-Rim Board Plus, C or better** or Rated Stud-H-Form 20 cc	2600	4000
1" APA Rim Board-C or better** Rated Stud-H-Form 20 cc	1900	3000

Blocking may be required at intermediate bearing for floor diaphragm. Consult local building regulations. See ANSI/APA PRG 410. Squash blocks are assumed to be in full bearing on the plate below.

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.

NOTE: Distances in this chart are based on uniformly loaded joists (standard load duration). Consult Simpson EWP Design Studio™ and MiTek® design software for loading and holes configurations other than those depicted in this guide.

Block I-Joists together with filler blocks for the full length of the reinforcement. For I-Joist flange widths greater than 3" place an additional row of 3"x10d common nails along the centerline of the reinforcing panel from each side. Clinch when possible.

Face nail two rows 3"x10d common nails at 12" o.c. each side through or over I-Joist web and the filler block to the other I-Joist web. Offset nails from opposite face by 6". Clinch if possible (four nails/ft. required).

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GUÍA DE INSTALACIÓN

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