



BCI[®]/AJS[®] Joists and Blocking Panels Shear Transfer Equivalency

Equivalency of Simpson Strong-Tie[®] A35 Framing Anchor to
Nailing of BCI/AJS Rim Joists or Blocking for Wall-Plate Connection

Equivalent Connector On-Center Spacing (inches)¹

Specified A35 ² Spacing	DF / SP Plate		SPF / HF Plate
	BCI Joist Nailing ^{3,4}	AJS Joist Nailing ^{3,4}	BCI/AJS Joist Nailing ^{3,4}
48"	11"	10"	11"
32"	7"	7"	8"
24"	6"	5"	6"
16"	4"	4"	4"
12"	2 rows @ 6" ⁵	2 rows @ 6" ⁵	2 rows @ 6" ⁵
9"	2 rows @ 4" ⁵	2 rows @ 4" ⁵	2 rows @ 6" ⁵
6"	2 rows @ 4" ⁵	2 rows @ 4" ⁵	2 rows @ 4" ⁵

Notes:

1. Plate species: DF = Douglas-fir, SP = southern pine, SPF = spruce pine fir, HF = hem-fir
2. Capacity of A35 framing anchor is 695 lb (DF/SP plate) or 600 lb (SPF/HF plate) per Simpson Strong-Tie literature (*Wood Construction Connectors C-2009*).
3. Allowable nail sizes: 10d to 16d
4. Nail values assume load duration factor of 1.6.
5. When 2 rows of nailing required, one row per side of web, stagger nails.

