



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.

