

# PANEL NAILING RECOMMENDATIONS

Source: APA - The Engineered Wood Association

TYPE OF PANEL	RECOMMENDED NAIL SIZE AND TYPE	PANEL EDGES (f)	INTERMEDIATE SUPPORTS
<b>APA Rated Sturd-I-Floor - Glue-nailed installation</b> STURD-I-FLOOR 16, 20, 24 oc, 3/4" thick or less STURD-I-FLOOR 24 oc, 7/8" or 1" thick STURD-I-FLOOR 32, 48 oc, 32" spans STURD-I-FLOOR 48 oc, 48" spans	Ring - or screw-shank nails 6d(a) 8d(a) 8d(a) 8d(b)	12" 6" 6" 6"	12" 12" 12" 6"
<b>APA Rated Sturd-I-Floor - Nailed-only installation</b> STURD-I-FLOOR 16, 20, 24 oc, 3/4" thick or less STURD-I-FLOOR 24, 32 oc, 7/8" or 1" thick STURD-I-FLOOR 48 oc, 32" spans STURD-I-FLOOR 48 oc, 48" spans	Ring - or screw-shank nails 6d 8d 8d(b) 8d(b)	6" 6" 6" 6"	12" 12" 12" 6"
<b>APA Rated Sheathing - Subflooring</b> 7/16" to 1/2" thick 7/8" thick or less Thicker panels	Common, smooth, ring - or screw-shank (c) 6d 8d 10d	6" 6" 6"	12" 12" 6"
<b>APA Rated Sheathing - Wall Sheathing</b> 1/2" thick or less Over 1/2" thick	Common, smooth, ring - or screw-shank or galvanized box (c) 6d 8d	6" 6"	12" 12"
<b>APA Rated Sheathing - Roof Sheathing</b> 5/16" to 1" thick Thicker panels	Common smooth, ring - or screw-shank (c) 8d 8d ring - or screw-shank or 10d common smooth	6" 6"	12"(d)(e) 12"(d)(e)
<b>APA Rated Siding - Applied directly to studs or over non structural sheathing</b> 1/2" thick or less Over 1/2" thick	Hot dipped galvanized box, siding or casing 6d 8d	6" 6"	12" 12"

- (a) 8d common nails may be substituted if ring- or screw-shank nails are not available.
- (b) 10d common nails may be substituted if supports are well seasoned.
- (c) Other code-approved fasteners may be used.
- (d) For spans 48" or greater, space nails 6" at all supports.
- (e) Additional fasteners may be required in high wind regions.
- (f) Fasteners shall be located 3/8" from panel edges.

**Edge Joints: 1/8"** spacing is recommended at all panel edge joints unless otherwise indicated by the manufacturer.

**Spacing Hint:** A 10d box nail may be used to gauge 1/8" spacing between panels. Spacer-type panel edge clips may also be used for roof sheathing applications.

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