



BUILDING DIVISION

750 Bellevue
Atwater, CA 95301
209-357-6343

DATE: January 3, 2023

TO: Roofing Contractors and Residential Builders

FROM: Mark Pereida, Chief Building Official/Fire Code Official

SUBJECT: 2022 Residential Building Code Roof Sheathing Changes

Please be aware that the maximum field nailing for roof sheathing has been reduced. Building Inspectors will be enforcing the new requirements for all permits applied for after December 31, 2022.

Table R602.3(1) Fastening Schedule

Item	Description of Building Elements	Number and Type of Fastener	Edges ^h (inches)	Intermediate Supports (inches)
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing				
31	3/8" – 1/2"	6d common or deformed (2" x 0.113" x 0.266" head), 2 3/8" x 0.113" x 0.266" head nail (subfloor, wall)	6 ^f	6 ^f
		8d common (2 1/2" x 0.131") (roof) RSRS-01 (2 3/8" x 0.113") nail (roof)	6 ^f	6 ^f
32	19/32" – 3/4"	8d common (2 – 2 1/2" x 0.131") (subfloor, wall)	6	12
		8d common (2 1/2" x 0.131") nail (roof) RSRS-01 (2 3/8" x 0.113" x 0.113") nail (roof)	6	6 ^f
		Deformed 2 3/8" x 0.113" x 0.266" head (wall or subfloor)	6	12
33	7/8" – 1 1/4"	10d common (3" x 0.148") nail; or (2 1/2" x 0.131" x 0.281" head) deformed nail	6	12

f. For wood structural panel roof sheathing attached to gable end roof framing and to intermediate supports within 48 inches of roof edges and ridges, nails shall be spaced at 4 inches on center where the ultimate design wind speed is greater than 130 mph in Exposure B or greater than 110 mph on Exposure C.