



Thurston County Development Services

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Thurston County Fig 34 Table 602.3(2) ALTERNATE FASTENERS

NOMINAL MATERIAL THICKNESS (Inches)	DESCRIPTION ^{a,b} OF FASTENER AND LENGTH (inches)	SPACING ^c OF FASTENERS	
		Edges (inches)	Intermediate supports (inches)
Wood structural panels subfloor, roof and wall sheathing to framing and particleboard wall sheathing to framing^f			
5/16	0.097 - 0.099 Nail 1 1/2 Staple 15 ga. 1 3/8 Staple 16 ga. 1 3/4	6	12
3/8	Staple 15 ga. 1 3/8	6	12
	0.097 - 0.099 Nail 1 1/2	4	10
	Staple 16 ga. 1 3/4	6	12
15/32 and 1/2	Staple 15 ga. 1 7/8	6	12
	0.097 - 0.099 Nail 1 5/8	3	6
	Staple 16 ga.	6	12
19/32 and 5/8	0.113 Nail 1 7/8	6	12
	Staple 15 and 16 ga. 1 5/8		
	0.097 - 0.099 Nail 1 3/4	3	6
23/32 and 3/4	Staple 14 ga. 1 3/4	6	12
	Staple 15 ga. 1 3/4	5	10
	0.097 - 0.099 Nail 1 7/8	3	6
	Staple 16 ga. 2	4	8
		SPACING ^c OF FASTENERS	
NOMINAL MATERIAL THICKNESS (inches)	DESCRIPTION ^{a,b} OF FASTENER AND LENGTH	Edges (inches)	Body of panel (Inches)
Floor underlayment; plywood-hardboard-particleboard^f			
Plywood			
1/4 and 5/16	1 1/4 ring or screw shank nail — minimum 12 1/2 ga. (0.099") shank diameter	3	6
	Staple 18 ga., 7/8, 3/16 crown width	2	5
11/32, 3/8, 15/32 and 1/2	1 1/4 ring or screw shank nail — minimum 12 1/2 ga. (0.099) shank diameter	6	8 ^e
19/32, 5/8, 23/32 and 3/4	1 1/2 ring or screw shank nail — minimum 12 1/2 ga. (0.099) shank diameter	6	12
	Staple 16 ga. 1 1/4	6	8
Particleboard			
V ₄	4d ring-grooved underlayment nail	3	6
	Staple 18 ga., 7/8 long, 3/16 crown	3	6
3/8	6d ring-grooved underlayment nail	6	10
	Staple 16 ga., 1 1/8 long, 3/8 crown	3	6
1/2, 5/8	6d ring-grooved underlayment nail	6	10
	Staple 16 ga., 1 5/8 long, 3/8 crown	3	6

For SI: 1 inch = 25.4 mm.

a. Nail is a general description and may be T-head, modified round head or round head.

b. Staples shall have a minimum crown width of ⁷/₁₆-inch on diameter except as noted.

c. Nails or staples shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater. Nails or staples shall be spaced at not more

than 12 inches on center at intermediate supports for floors,

d. Fasteners shall be placed in a grid pattern throughout the body of the panel,

e. For 5-ply panels, intermediate nails shall be spaced not more than 12 inches on center each way.