

TABLE 2306.4.1a
ALLOWABLE SHEAR (POUNDS PER FOOT) FOR NAILED WOOD STRUCTURAL PANEL
SHEAR WALLS WITH FRAMING OF SPRUCE-PINE-FIR (SPECIFIC GRAVITY = 0.42) FOR
WIND OR SEISMIC LOADING^{b, h, i, j}

PANEL GRADE	MINIMUM NOMINAL PANEL THICKNESS (inches)	MINIMUM FASTENER PENETRATION IN FRAMING (inches)	PANELS APPLIED DIRECT TO FRAMING				
			Nail (common or galvanized box)	Fastener spacing at panel edges (inches)			
				6	4	3	2 ^e
Structural 1 Sheathing	5/16	1 1/4	6d	180	275	355	465
	3/8	1 3/8	8d	210d	330d	420d	560d
	7/16	1 3/8	8d	230d	360d	460d	615d
	15/32	1 3/8	8d	255	395	505f	670
			10d	310	465	610f	800
Sheathing, Plywood Siding except Group 5 Species	5/16 or 1/4 ^c	1 1/4	6d	165	245	320	410
	3/8	1 1/4	6d	180	275	355	465
		1 3/8	8d	200d	290d	375d	485d
	7/16	1 3/8	8d	220d	320d	410d	535d
	15/32	1 3/8	8d	235	345	450f	585
		1 1/2	10d	285	420	550f	705
	19/32	1 1/2	10d	310	465	610f	800
	5/16 ^c	1 1/4	6d galv. casing	125	190	250	330
	3/8	1 3/8	8d galv. casing	145	220	285f	375

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For SI: 1 inch = 25.4 turn, 1 pound per foot = 14.5939 N/m.

For footnotes, see Table 2306.4.1

TABLE 2306.4.1b
ALLOWABLE SHEAR (POUNDS PER FOOT) FOR STAPLED WOOD STRUCTURAL PANEL
SHEAR WALLS WITH FRAMING OF SPRUCE-PINE-FIR (SPECIFIC GRAVITY = 0.42) FOR
WIND OR SEISMIC LOADING^{b, h, i, j}

PANEL GRADE	MINIMUM NOMINAL PANEL THICKNESS (inches)	MINIMUM FASTENER PENETRATION IN FRAMING (inches)	PANELS APPLIED DIRECT TO FRAMING				
			STAPLE LENGTH AND GAGE ^k	Fastener spacing at panel edges (inches)			
				6	4	3	2 ^e
All Sheathing and Plywood Siding ^g except Group 5 Species	5/16	1	1 1/2 16 Gage	135	200	265	340
	3/8	1	1 1/2 16 Gage	125	190	255	325
	7/16	1	1 1/2 16 Gage	135	210	280	360
	15/32	1	1 1/2 16 Gage	150	225	305	385

For SI: 1 inch = 25.4 turn, 1 pound per foot = 14.5939 N/m.

For footnotes, see Table 2306.4.1