TABLE 2306.3.1a
RECOMMENDED SHEAR (POUNDS PER FOOT) FOR NAILED WOOD STRUCTURAL PANEL DIAPHRAGMS WITH FRAMING OF SPRUCE-PINE-FIR (SPECIFIC GRAVITY = 0.42) FOR WIND OR SEISMIC LOADING

PANEL GRADE	MINIMUM NOMINAL PANEL THICKNESS	COMMON NAIL SIZE	MINIMUM FASTENER PENETRATION IN FRAMING (inches)	MINIMUM NOMINAL WIDTH OF FRAMING MEMBER (inches)	BLOCKED DIAPHRAGMS Fastener spacing (inches) at diaphragm boundaries (all cases) at continuous panel edges parallel to load (Cases 3, 4), and at all panel edges (Cases 5 and 6)[b]				UNBLOCKED DIAPHRAGMS Fasteners spaced 6" max. at supported edges[b]	
					6	4	2-1/2[c]	2[c]	Case 1 (No unblocked edges or continuous joints parallel to load)	All other configurations (Cases 2, 3, 4, 5 and 6)
					Fastener spacing (inches) at other panel edges (Cases 1, 2, 3 and 4)[b]					
					6	6	4	3		
Structural 1 Grades	5/16	6d[e]	1 1/4	2	0	0	0	0	0	0
				3	0	0	0	0	0	0
	3/8	8d	1 3/8	2	0	0	0	0	0	0
				3	0	0	0	0	0	0
	15/32	10d[d]	1 1/2	2	0	0	0	0	0	0
				3	0	0	0	0	0	0
Sheathing, Single Floor and Other Grades Covered in DOC PS I and PS 2	5/16	6d[e]	1 1/4	2	0	0	0	0	0	0
				3	0	0	0	0	0	0
	3/8	6d[e]	1 1/4	2	0	0	0	0	0	0
				3	0	0	0	0	0	0
		8d	1 3/8	2	0	0	0	0	0	0

				3	0	0	0	0	0	0
	7/16	8d	1 3/8	2	0	0	0	0	0	0
				3	0	0	0	0	0	0
	15/32	8d	1 3/8	2	0	0	0	0	0	0
				3	0	0	0	0	0	0
		10d[d]	1 1/2	2	0	0	0	0	0	0
				3	0	0	0	0	0	0
	19/32	10d[d]	1 1/2	2	0	0	0	0	0	0
				3	0	0	0	0	0	0

For Sl: I inch 25.4 mm, I pound per foot = 14.5939 N/m.
For foot notes, see Table 2306.3.1

TABLE 2306.3.1b

RECOMMENDED SHEAR (POUNDS PER FOOT) FOR STAPLED WOOD STRUCTURAL PANEL DIAPHRAGMS WITH FRAMING OF SPRUCE-PINE-FIR (SPECIFIC GRAVITY = 0.42) FOR WIND OR SEISMIC LOADING

					BLOCKED DIAPHRAGMS				**UNBLOCKED DIAPHRAGMS**	
					Fastener spacing (inches) at					
					diaphragm boundaries (all cases)					
					at continuous panel edges parallel					
					to load (Cases 3, 4), and at				**Fasteners spaced 6" max. at**	
					all panel edges (Cases 5 and 6)[b]				**supported edges[b]**	
				MINIMUM	**6**	**4**	**2-1/2[c]**	**2[c]**	**Case 1 (No**	
	MINIMUM		**MINIMUM**	**NOMINAL**					**unblocked**	
	NOMINAL		**FASTENER**	**WIDTH OF**	**Fastener spacing (inches) at**				**edges or**	**All other**
	PANEL	**STAPLE[f]**	**PENETRA**	**FRAMI**	**other panel edges**				**continuou**	**configurations**

			TION	NG					s	
	THICKN ESS	LENGTH	IN FRAMING	MEMBE R	(Cases 1, 2, 3 and 4)[b]				joints parallel	(Cases 2, 3,
PANEL GRADE	(inch)	AND GAGE	(inches)	(inches)	6	6	4	3	to load)	4, 5 and 6)
Structural 1 Grades Sheathing, Single Floor and Other Grades Covered in DOC PS I and PS 2	5/16	1 1/2	1	2	0	0	0	0	0	0
		16 Gage		3	0	0	0	0	0	0
	3/8	1 1/2	1	2	0	0	0	0	0	0
		16 Gage		3	0	0	0	0	0	0
	15/32	1 1/2	1	2	0	0	0	0	0	0
		16 Gage		3	0	0	0	0	0	0
For Sl: I inch 25.4 mm, I pound per foot = 14.5939 N/m.										
For foot notes, see Table 2306.3.1										