

WOOD

**TABLE 2308.6.3(3)**  
**WOOD STRUCTURAL PANEL WALL SHEATHING<sup>b</sup>**  
 (Not exposed to the weather, strength axis parallel or perpendicular to studs except as indicated)

MINIMUM THICKNESS (inch)	PANEL SPAN RATING	STUD SPACING (inches)		
		Siding nailed to studs	Nailable sheathing	
			Sheathing parallel to studs	Sheathing perpendicular to studs
$\frac{3}{8}$ , $\frac{15}{32}$ , $\frac{1}{2}$	16/0, 20/0, 24/0, 32/16 Wall—24" o.c.	24	16	24
$\frac{7}{16}$ , $\frac{15}{32}$ , $\frac{1}{2}$	24/0, 24/16, 32/16 Wall—24" o.c.	24	24 <sup>a</sup>	24

For SI: 1 inch = 25.4 mm.

- a. Plywood shall consist of four or more plies.  
 b. Blocking of horizontal joints shall not be required except as specified in Section 2308.6.4.

**TABLE 2308.6.3(4)**  
**ALLOWABLE SPANS FOR PARTICLEBOARD WALL SHEATHING**  
 (Not exposed to the weather, long dimension of the panel parallel or perpendicular to studs)

GRADE	THICKNESS (inch)	STUD SPACING (inches)	
		Siding nailed to studs	Sheathing under coverings specified in Section 2308.6.3 parallel or perpendicular to studs
M-S "Exterior Glue" and M-2 "Exterior Glue"	$\frac{3}{8}$	16	—
	$\frac{1}{2}$	16	16

For SI: 1 inch = 25.4 mm.

**TABLE 2308.6.3(5)**  
**HARDBOARD SIDING**

SIDING	MINIMUM NOMINAL THICKNESS (inch)	2 × 4 FRAMING MAXIMUM SPACING	NAIL SIZE <sup>a, b, d</sup>	NAIL SPACING	
				General	Bracing panels <sup>c</sup>
1. Lap siding					
Direct to studs	<sup>3</sup> / <sub>8</sub>	16" o.c.	8d	16" o.c.	Not applicable
Over sheathing	<sup>3</sup> / <sub>8</sub>	16" o.c.	10d	16" o.c.	Not applicable
2. Square edge panel siding					
Direct to studs	<sup>3</sup> / <sub>8</sub>	24" o.c.	6d	6" o.c. edges; 12" o.c. at intermediate supports	4" o.c. edges; 8" o.c. at intermediate supports
Over sheathing	<sup>3</sup> / <sub>8</sub>	24" o.c.	8d	6" o.c. edges; 12" o.c. at intermediate supports	4" o.c. edges; 8" o.c. at intermediate supports
3. Shiplap edge panel siding					
Direct to studs	<sup>3</sup> / <sub>8</sub>	16" o.c.	6d	6" o.c. edges; 12" o.c. at intermediate supports	4" o.c. edges; 8" o.c. at intermediate supports
Over sheathing	<sup>3</sup> / <sub>8</sub>	16" o.c.	8d	6" o.c. edges; 12" o.c. at intermediate supports	4" o.c. edges; 8" o.c. at intermediate supports

For SI: 1 inch = 25.4 mm.

- a. Nails shall be corrosion resistant.  
 b. Minimum acceptable nail dimensions:  
 c. Where used to comply with Section 2308.6.

	Panel Siding (inch)	Lap Siding (inch)
Shank diameter	0.092	0.099
Head diameter	0.225	0.240

- d. Nail length must accommodate the sheathing and penetrate framing 1½ inches.