



ERRATA
to the 2018 Edition of
the Wood Frame Construction Manual (WFCM) for One- and Two-Family Dwellings
 (web versions dated 11-17 and 03-19)

Page Revision

197 Revise maximum field nail spacing for 110mph column as shown below (shown in red underline).

Table 3.10A Roof Sheathing Attachment Requirements for Wind Exposure B
Loads (7/16", PANEL G=0.50)
 (Prescriptive Alternative to Table 3.10)

Wind Speed 3-second gust (mph) (See Figure 1.1)			90	95	100	105	110	115	120	130	140	150	160	170	180	195							
			STRUCTURAL SHEATHING																				
			E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	
Sheathing Location ¹	Rafter/Truss Framing Specific Gravity, G	Rafter/Truss Spacing (in.)	Maximum Nail Spacing for 8d Common Nails, or 10d Box Nails (inches, o.c.) ^{2,4}																				
Interior Zone	0.49	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	
		16	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	
		19.2	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6
		24	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6	6	6
	0.42	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6
		16	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6	6	6
Perimeter Edge Zone	0.49	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6	6	6	6	6
		16	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6	6	6	6	6	6	
		19.2	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6	6	6	6	6	6	6
		24	6	12	6	12	6	12	6	12	6	6	6	6	6	6	6	Exceeds capacity of 7/16" sheathing ³					
	0.42	12	6	12	6	12	6	12	6	12	6	12	6	6	6	6	6	6	6	6	6	4	4
		16	6	12	6	12	6	12	6	12	6	6	6	6	6	6	6	6	6	6	6	4	4
Gable Endwall Rake or Rake Truss with up to 9" Rake Overhang	0.49	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	4	4		
	0.42	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	4	4		
			BOARD SHEATHING																				
Sheathing Size	Rafter/Truss Spacing (in.)	Minimum Number of 8d Common Nails Per Support ⁴																					
1x6 or 1x8 Sheathing	12-19.2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
1x10 or Larger Sheathing	12-19.2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

E - Nail spacing at panel edges (in.)
 F - Nail spacing at intermediate supports in the panel field (in.)
 1 For roof sheathing within 4 feet of the perimeter edge of the roof, including 4 feet on each side of the roof peak, the 4 foot perimeter edge zone attachment requirements shall be used.
 2 For wind speeds greater than 130 mph, blocking is required which transfers lateral load to two additional joists (3 joists total).
 3 See Table 3.10 for other fastener and sheathing combinations.
 4 Tabulated values for 8d common and 10d box nails are applicable to carbon steel nails (bright or galvanized).

198 Revise maximum field nail spacing for 110mph column as shown below (shown in red underline).

Table 3.10A Roof Sheathing Attachment Requirements for Wind Loads (7/16", PANEL G=0.50) Exposure C
(Prescriptive Alternative to Table 3.10)

Wind Speed 3-second gust (mph) (See Figure 1.1)		90	95	100	105	110	115	120	130	140	150	160	170	180	195						
		STRUCTURAL SHEATHING																			
Sheathing Location ¹	Rafter/Truss Framing Specific Gravity, G	Rafter/Truss Spacing (in.)	Maximum Nail Spacing for 8d Common Nails, or 10d Box Nails (inches, o.c.) ^{2,4}																		
			E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	
Interior Zone	0.49	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	
		16	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6
		19.2	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6
	24	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6	
	0.42	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6
		16	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6
19.2		6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6	
24	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	6		
Perimeter Edge Zone	0.49	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	
		16	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	
		19.2	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	12	6	6	
	24	6	12	6	12	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	0.42	12	6	12	6	12	6	12	6	6	6	6	6	6	6	6	6	6	6	6	6
		16	6	12	6	12	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
19.2		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
24	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
Gable Endwall Rake or Rake Truss with up to 9" Rake Overhang	0.49	-	6	6	6	6	6	6	6	6	6	6	4	4	4	3	3	3	3		
	0.42	-	6	6	6	6	6	6	6	6	4	4	4	4	3	3	3	-	-		
		BOARD SHEATHING																			
Sheathing Size	Rafter/Truss Spacing (in.)	Minimum Number of 8d Common Nails Per Support ⁴																			
1x6 or 1x8 Sheathing	12-19.2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
1x10 or Larger Sheathing	12-19.2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		

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