



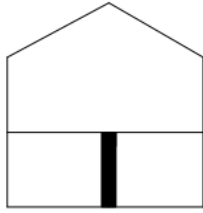
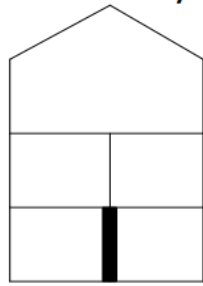
ERRATA
to the 2018 Edition of
the Wood Frame Construction Manual (WFCM) for One- and Two-Family Dwellings
(all versions)

Page Revision

86 Replace tabular values in Table 2.9C with revised Table 2.9C as shown below.

Table 2.9C Interior Loadbearing Wall Stud Compression Stresses from Live Loads

(Dead Load Assumptions: Wall Assembly DL = 121plf, Floor Assembly DL = 10 psf, Floor LL = 40 psf)

Loadbearing Wall Supporting	Stud Spacing	Stud Size	Building Width (ft)			
			12	24	36	60
			Induced f_c (psi) ¹			
1 Floor Only 	12 in.	2x4	80	137	194	309
		2x6	51	87	124	196
		2x8	39	66	94	149
	16 in.	2x4	107	183	259	412
		2x6	68	117	165	262
		2x8	52	88	125	199
	24 in.	2x4	160	275	389	618
		2x6	102	175	248	393
		2x8	77	133	188	298
2 Floors Only 	12 in.	2x4	160	275	389	618
		2x6	102	175	248	393
		2x8	77	133	188	298
	16 in.	2x4	214	366	519	823
		2x6	136	233	330	524
		2x8	103	177	250	397
	24 in.	2x4	321	549	778	1235
		2x6	204	350	495	786
		2x8	155	265	376	596

¹ Tabulated compression stresses (f_c) shall be less than or equal to the allowable compression perpendicular to grain design value ($F_{c\perp}'$) for top and bottom plates, and less than or equal to the allowable compression parallel to grain design value ($F_{c\parallel}'$) for studs.

160 Replace tabular values in Table 3.2C Exposure B with revised Table 3.2C Exposure B as shown on the following page.

NOTE: Footnotes to Table 3.2C Exposure B remain unchanged.

Table 3.2C Sill or Bottom Plate to Foundation Connections (Anchor Bolts) Resisting Uplift Loads from Wind
(Prescriptive Alternative to Table 3.2)

Exposure B

Wind Speed 3-second gust (mph) (See Figure 1.1)			90	95	100	105	110	115	120	130	140	150	160	170	180	195
Sill or Bottom Plate to Foundation Anchor Bolt Connection Resisting	Plate Size	Foundation Supporting	Maximum Anchor Bolt Spacing (in.) ^{1,2}													
Uplift Loads	2x4		8' End Zones													
		1-3 stories	72	72	72	72	72	71	57	43	35	30	27	24	22	20
			Interior Zones													
	1-3 stories	72	72	72	72	72	72	66	50	41	35	31	28	26	23	
	2x6		8' End Zones													
		1-3 stories	72	72	72	72	72	72	68	51	42	36	32	29	26	23
		Interior Zones														
1-3 stories	72	72	72	72	72	72	72	60	49	42	37	34	31	27		

289, 290, 291 Revise Footnote 3 in Tables 3.23A and 3.23B as follows:

“3. Tabulated spans are based on the lowest F_b , F_v and E for #2 Grade Douglas Fir-Larch, Hem-Fir, Southern Pine, and Spruce-Pine-Fir.”

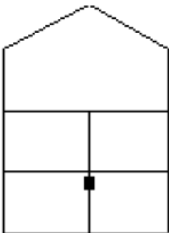
296 Replace tabular values in Table 3.24B1 with revised Table 3.24B1 as shown on the following page. NOTE: Footnotes to Table 3.24B1 remain unchanged.

Table 3.24B1 Laterally Unsupported (Dropped) Header Spans for Interior Loadbearing Walls

(Supporting Two Center Bearing Floors)

Floor Live Load = 40 psf, L/Δ_{LL} =360, Floor Assembly Dead Load = 10 psf

Dropped Interior

Headers Supporting	Size	Building Width (ft)			
		12	24	36	
Two Floors Only (Center Bearing) 		Maximum Header/Girder Spans (ft-in.) for Common Lumber Species ^{1,3,4,5}			
	1-2x6	2 - 7	1 - 11	1 - 7	
	1-2x8	3 - 4	2 - 5	2 - 0	
	1-2x10	3 - 10	2 - 11	2 - 5	
	1-2x12	4 - 6	3 - 4	2 - 10	
	2-2x4	2 - 7	1 - 11	1 - 7	
	2-2x6	3 - 10	2 - 10	2 - 5	
	2-2x8	4 - 9	3 - 7	3 - 0	
	2-2x10	5 - 6	4 - 2	3 - 6	
	2-2x12	6 - 1	4 - 9	4 - 1	
	3-2x8	5 - 10	4 - 5	3 - 9	
	3-2x10	6 - 7	5 - 1	4 - 4	
	3-2x12	7 - 2	5 - 8	4 - 11	
	4-2x8	6 - 7	5 - 1	4 - 3	
	4-2x10	7 - 5	5 - 9	4 - 11	
	4-2x12	8 - 0	6 - 4	5 - 6	
		Size	Maximum Header/Girder Spans (ft-in.) for Glued Laminated Timber Beams ^{2,3,4,5}		
		3.125x5.500	5 - 4	4 - 0	3 - 4
		3.125x6.875	6 - 8	5 - 0	4 - 1
		3.125x8.250	8 - 0	5 - 11	4 - 11
	3.125x9.625	9 - 3	6 - 11	5 - 9	
	3.125x11.000	10 - 6	7 - 10	6 - 6	
	3.125x12.375	11 - 7	8 - 9	7 - 3	
	3.125x13.750	12 - 7	9 - 7	8 - 0	
	3.125x15.125	13 - 4	10 - 4	8 - 8	
	3.125x16.500	14 - 0	10 - 11	9 - 4	
	3.125x17.875	14 - 6	11 - 5	9 - 10	
	3.125x19.250	14 - 11	11 - 10	10 - 3	
	3.125x20.625	15 - 4	12 - 3	10 - 8	
	3.125x22.000	15 - 8	12 - 7	11 - 0	
	3.125x23.375	16 - 0	12 - 10	11 - 3	
	3.125x24.750	16 - 4	13 - 2	11 - 7	
	5.125x5.500	6 - 11	5 - 1	4 - 3	
	5.125x6.875	8 - 7	6 - 4	5 - 3	
	5.125x8.250	10 - 4	7 - 8	6 - 4	
	5.125x9.625	12 - 0	8 - 11	7 - 5	
	5.125x11.000	13 - 8	10 - 2	8 - 5	
	5.125x12.375	15 - 4	11 - 5	9 - 6	
	5.125x13.750	17 - 0	12 - 7	10 - 6	
	5.125x15.125	18 - 7	13 - 10	11 - 6	
	5.125x16.5	20-0†	15 - 0	12 - 6	
	5.125x17.875	20-0†	16 - 2	13 - 6	
	5.125x19.250	20-0†	17 - 3	14 - 5	
	5.125x20.625	20-0†	18 - 4	15 - 5	
	5.125x22.000	20-0†	19 - 4	16 - 3	
	5.125x23.375	20-0†	20-0†	17 - 1	
	5.125x24.75	20-0†	20-0†	17 - 10	