

Columns - Maximum Allowable Lateral Wind Load (PLF) / Vertical Load (Total Axial lbs)

Deflection Ratio	Wall Height (ft.)	Max Defl. (in.)	3 1/2" Wall Thickness		5 1/2" Wall Thickness			7 1/2" Wall Thickness		
			Glulam DF Comb. # 3 3 3/8" x 4 1/2"	Glulam DF Comb. # 3 3 3/8" x 6"	Glulam DF Comb. # 3 5 7/16" x 4 1/2"	Glulam DF Comb. # 3 5 7/16" x 6"	Glulam DF Comb. # 3 5 7/16" x 7 1/2"	Glulam DF Comb. # 3 7 1/8" x 4 1/2"	Glulam DF Comb. # 3 7 1/8" x 6"	Glulam DF Comb. # 3 7 1/8" x 7 1/2"
L/120	30	3.00						0 / 0	0 / 0	0 / 0
	28	2.80						74 / 1,670	99 / 2,880	124 / 3,585
	26	2.60						93 / 1,515	124 / 2,860	155 / 3,580
	24	2.40						118 / 1,255	157 / 2,765	188 / 3,850
	22	2.20			68 / 1,370	91 / 2,270	113 / 2,865	153 / 735	204 / 2,400	205 / 5,370
	20	2.00			90 / 1,325	121 / 2,325	151 / 2,920	199 / 0	226 / 3,825	226 / 7,330
	18	1.80			124 / 1,070	166 / 2,240	207 / 2,815	245 / 40	251 / 5,810	251 / 9,985
	16	1.60			177 / 460	236 / 1,835	282 / 2,770	282 / 1,615	282 / 8,545	282 / 13,565
	14	1.40		63 / 940	84 / 1,500	243 / 36	322 / 1,820	322 / 5,050	322 / 4,185	322 / 12,345
12	1.20		100 / 915	134 / 1,595	331 / 36	376 / 4,410	376 / 8,445	376 / 7,730	376 / 17,645	376 / 22,710