

Maximum Allowable Heights for Drywall Stud Sections

1 5/8" x 25ga x 33 KSI					1 5/8" x 22ga x 33 KSI					1 5/8" x 20ga x 33 KSI				
Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.
12	5.00	10.1	8.0	7.0	12	5.00	11.6	9.2	8.1	12	5.00	12.4	9.8	8.6
12	6.70	9.1	7.3	6.3	12	6.70	10.6	8.4	7.3	12	6.70	11.3	8.9	7.8
12	7.50	8.8	7.0	6.1	12	7.50	10.2	8.1	7.1	12	7.50	1.8	8.6	7.5
12	10.00	8.0	6.3	5.5	12	10.00	9.2	7.3	6.4	12	10.00	9.8	7.8	6.8
12	12.50	7.4	5.9	5.1	12	12.50	8.6	6.8	6.0	12	12.50	9.1	7.2	6.3
12	15.00	7.0	5.5	4.8	12	15.00	8.1	6.4	5.6	12	15.00	8.6	6.8	6.0
12	20.00	6.0	5.0	4.4	12	20.00	7.3	5.8	5.1	12	20.00	7.8	6.2	5.4
16	5.00	9.1	7.3	6.3	16	5.00	10.6	8.4	7.3	16	5.00	11.3	8.9	7.8
16	6.70	8.3	6.6	5.8	16	6.70	9.6	7.6	6.7	16	6.70	10.2	8.1	7.1
16	7.50	8.0	6.3	5.5	16	7.50	9.2	7.3	6.4	16	7.50	9.8	7.8	6.8
16	10.00	7.3	5.8	5.0	16	10.00	8.4	6.7	5.8	16	10.00	8.9	7.1	6.2
16	12.50	6.6	5.3	4.7	16	12.50	7.8	6.2	5.4	16	12.50	8.3	6.6	5.8
16	15.00	6.0	5.0	4.4	16	15.00	7.3	5.8	5.1	16	15.00	7.8	6.2	5.4
16	20.00	5.2	4.6	4.0	16	20.00	6.7	5.3	4.6	16	20.00	7.1	5.6	4.9
24	5.00	8.0	6.3	5.5	24	5.00	9.2	7.3	6.4	24	5.00	9.8	7.8	6.8
24	6.70	7.3	5.8	5.0	24	6.70	8.4	6.7	5.8	24	6.70	8.9	7.1	6.2
24	7.50	7.0	5.5	4.8	24	7.50	8.1	6.4	5.6	24	7.50	8.6	6.8	5.0
24	10.00	6.0	5.0	4.4	24	10.00	7.3	5.8	5.1	24	10.00	7.8	6.2	5.4
24	12.50	5.4	4.7	4.1	24	12.50	6.8	5.4	4.7	24	12.50	7.2	5.8	5.0
24	15.00	4.9	4.4	3.8	24	15.00	6.4	5.1	4.4	24	15.00	6.8	5.4	4.7
24	20.00	4.3	4.0	3.3	24	20.00	5.6	4.6	4.0	24	20.00	6.2	4.9	4.3

2 1/2" x 25Ga x 33 KSI					2 1/2" x 22Ga x 33 KSI					2 1/2" x 20Ga x 33 KSI				
Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.
12	5.00	13.9	11.1	9.7	12	5.00	16.1	12.8	11.2	12	5.00	17.2	13.7	11.9
12	6.70	12.7	10.1	8.8	12	6.70	14.7	11.6	10.2	12	6.70	15.6	12.4	10.8
12	7.50	12.2	9.7	8.5	12	7.50	14.1	11.2	9.8	12	7.50	15.0	11.9	10.4
12	10.00	11.1	8.8	7.7	12	10.00	12.8	10.2	8.9	12	10.00	13.7	10.8	9.5
12	12.50	10.1	8.2	7.1	12	12.50	11.9	9.4	8.3	12	12.50	12.7	10.1	8.8
12	15.00	9.2	7.7	6.7	12	15.00	11.2	8.9	7.8	12	15.00	11.9	9.5	8.3
12	20.00	8.0	7.0	6.1	12	20.00	10.2	8.1	7.1	12	20.00	10.8	8.6	7.5
16	5.00	12.7	10.1	8.8	16	5.00	14.7	11.6	10.2	16	5.00	15.6	12.4	10.8
16	6.70	11.5	9.1	8.0	16	6.70	13.3	10.6	9.2	16	6.70	14.2	11.3	9.8
16	7.50	11.1	8.8	7.7	16	7.50	12.8	10.2	8.9	16	7.50	13.7	10.8	9.5
16	10.00	9.8	8.0	7.0	16	10.00	11.6	9.2	8.1	16	10.00	12.4	9.8	8.6
16	12.50	8.8	7.4	6.5	16	12.50	10.8	8.6	7.5	16	12.50	11.5	9.1	8.0
16	15.00	8.0	7.0	6.1	16	15.00	10.2	8.1	7.1	16	15.00	10.8	8.6	7.5
16	20.00	6.9	6.3	5.5	16	20.00	9.0	7.3	6.4	16	20.00	9.8	7.8	6.8
24	5.00	11.1	8.8	7.7	24	5.00	12.8	10.2	8.9	24	5.00	13.7	10.8	9.5
24	6.70	9.8	8.0	7.0	24	6.70	11.6	9.2	8.1	24	6.70	12.4	9.8	8.6
24	7.50	9.2	7.7	6.7	24	7.50	11.2	8.9	7.8	24	7.50	11.9	9.5	8.3
24	10.00	8.0	7.0	6.1	24	10.00	10.2	8.1	7.1	24	10.00	10.8	8.6	7.5
24	12.50	7.2	6.5	5.7	24	12.50	9.3	7.5	6.6	24	12.50	10.1	8.0	7.0
24	15.00	6.5	6.1	5.3	24	15.00	8.5	7.1	6.2	24	15.00	9.5	7.5	6.6
24	20.00	5.7	5.5	4.8	24	20.00	7.4	6.4	5.6	24	20.00	8.4	6.8	6.0

Maximum Allowable Heights for Drywall Stud Sections

3 5/8" x 25Ga x 33 KSI					3 5/8" x 22Ga x 33 KSI					3 5/8" x 20Ga x 33 KSI				
Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.
12	5.00	18.6	14.7	12.9	12	5.00	21.5	17.1	14.9	12	5.00	22.9	18.2	15.9
12	6.70	16.9	13.4	11.7	12	6.70	19.5	15.5	13.5	12	6.70	20.8	16.5	14.4
12	7.50	16.2	12.9	11.3	12	7.50	18.8	14.9	13.0	12	7.50	20.0	15.9	13.9
12	10.00	14.6	11.7	10.2	12	10.00	17.1	13.5	11.8	12	10.00	18.2	14.4	12.6
12	12.50	13.0	10.9	9.5	12	12.50	15.8	12.6	11.0	12	12.50	16.9	13.4	11.7
12	15.00	11.9	10.2	8.9	12	15.00	14.9	11.8	10.3	12	15.00	15.9	12.6	11.0
12	20.00	10.3	9.3	8.1	12	20.00	13.3	10.8	9.4	12	20.00	14.4	11.5	10.0
16	5.00	16.9	13.4	11.7	16	5.00	19.5	15.5	13.5	16	5.00	20.8	16.5	14.4
16	6.70	15.3	12.2	10.6	16	6.70	17.7	14.1	12.3	16	6.70	18.9	15.0	13.1
16	7.50	14.6	11.7	10.2	16	7.50	17.1	13.5	11.8	16	7.50	18.2	14.4	12.6
16	10.00	12.6	10.6	9.3	16	10.00	15.5	12.3	10.8	16	10.00	16.5	13.1	11.5
16	12.50	11.3	9.9	8.6	16	12.50	14.4	11.4	10.0	16	12.50	15.3	12.2	10.6
16	15.00	10.3	9.3	8.1	16	15.00	13.3	10.8	9.4	16	15.00	14.4	11.5	10.0
16	20.00	8.9	8.4	7.4	16	20.00	11.6	9.8	8.5	16	20.00	13.1	10.4	9.1
24	5.00	14.6	11.7	10.2	24	5.00	17.1	13.5	11.8	24	5.00	18.2	14.4	12.6
24	6.70	12.6	10.6	9.3	24	6.70	15.5	12.3	10.8	24	6.70	16.5	13.1	11.5
24	7.50	11.9	10.2	8.9	24	7.50	14.9	11.8	10.3	24	7.50	15.9	12.6	11.0
24	10.00	10.3	9.3	8.1	24	10.00	13.3	10.8	9.4	24	10.00	14.4	11.5	10.0
24	12.50	9.2	8.6	7.5	24	12.50	11.9	10.0	8.7	24	12.50	13.4	10.6	9.3
24	15.00	8.4	8.1	7.1	24	15.00	10.9	9.4	8.2	24	15.00	12.4	10.0	8.8
24	20.00	7.3	7.3	6.4	24	20.00	9.4	8.5	7.5	24	20.00	10.7	9.1	8.0

4" x 25Ga x 33 KSI					4" x 22Ga x 33 KSI					4" x 20Ga x 33 KSI				
Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.
12	5.00	20.1	15.9	13.9	12	5.00	23.2	18.4	16.1	12	5.00	24.7	19.6	17.2
12	6.70	18.2	14.5	12.6	12	6.70	21.1	16.7	14.6	12	6.70	22.5	17.8	15.6
12	7.50	17.5	13.9	12.2	12	7.50	20.3	16.1	14.1	12	7.50	21.6	17.2	15.0
12	10.00	15.6	12.6	11.0	12	10.00	18.4	14.6	12.8	12	10.00	19.6	15.6	13.6
12	12.50	13.9	11.7	10.3	12	12.50	17.1	13.6	11.9	12	12.50	18.2	14.5	12.7
12	15.00	12.7	11.0	9.7	12	15.00	16.1	12.8	11.2	12	15.00	17.2	13.6	11.9
12	20.00	11.0	10.0	8.8	12	20.00	14.3	11.6	10.1	12	20.00	15.6	12.4	10.8
16	5.00	18.2	14.5	12.6	16	5.00	21.1	16.7	14.6	16	5.00	22.5	17.9	15.6
16	6.70	16.5	13.1	11.5	16	6.70	19.2	15.2	13.3	16	6.70	20.4	16.2	14.2
16	7.50	15.6	12.6	11.0	16	7.50	18.4	14.6	12.8	16	7.50	19.6	15.6	13.6
16	10.00	13.5	11.5	10.0	16	10.00	16.7	13.3	11.6	16	10.00	17.9	14.2	12.4
16	12.50	12.1	10.7	9.3	16	12.50	15.5	12.3	10.8	16	12.50	16.6	13.2	11.5
16	15.00	11.0	10.0	8.8	16	15.00	14.3	11.6	10.1	16	15.00	15.6	12.4	10.8
16	20.00	9.5	9.1	8.0	16	20.00	12.4	10.6	9.2	16	20.00	14.1	11.3	9.8
24	5.00	15.6	12.6	11.0	24	5.00	18.4	14.6	12.8	24	5.00	19.6	15.6	13.6
24	6.70	13.5	11.5	10.0	24	6.70	16.7	13.3	11.6	24	6.70	17.8	14.2	12.4
24	7.50	12.7	11.0	9.7	24	7.50	16.1	12.8	11.2	24	7.50	17.2	13.6	11.9
24	10.00	11.0	10.0	8.8	24	10.00	14.3	11.6	10.1	24	10.00	15.6	12.4	10.8
24	12.50	9.9	9.3	8.1	24	12.50	12.8	10.8	9.4	24	12.50	14.5	11.5	10.0
24	15.00	9.0	8.8	7.7	24	15.00	11.6	10.1	8.9	24	15.00	13.3	10.8	9.5
24	20.00	7.8	7.8	7.0	24	20.00	10.1	9.2	8.1	24	20.00	11.5	9.8	8.6

Maximum Allowable Heights for Drywall Stud Sections

6" x 25Ga x 33 KSI					6" x 22Ga x 33 KSI					6" x 20Ga x 33 KSI				
Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.	Spc (in.)	Wind Px psf	L120 ft.	L240 ft.	L360 ft.
12	5.00	27.7	22.0	19.2	12	5.00	31.7	25.2	22.0	12	5.00	33.8	26.8	23.4
12	6.70	25.1	20.0	17.4	12	6.70	28.8	22.9	20.0	12	6.70	30.7	24.4	21.3
12	7.50	23.9	19.2	16.8	12	7.50	27.7	22.0	19.2	12	7.50	29.5	23.4	20.5
12	10.00	20.7	17.4	15.2	12	10.00	25.2	20.0	17.4	12	10.00	26.8	21.3	18.6
12	12.50	18.6	16.2	14.1	12	12.50	23.4	18.5	16.2	12	12.50	24.9	19.8	17.3
12	15.00	16.9	15.2	13.3	12	15.00	21.5	17.4	15.2	12	15.00	23.4	18.6	16.3
12	20.00	14.7	13.8	12.1	12	20.00	18.6	15.9	13.9	12	20.00	20.8	16.9	14.8
16	5.00	25.1	20.0	17.4	16	5.00	28.8	22.9	20.0	16	5.00	30.7	24.4	21.3
16	6.70	22.0	18.1	15.8	16	6.70	26.2	20.8	18.1	16	6.70	27.9	22.1	19.4
16	7.50	20.7	17.4	15.2	16	7.50	25.2	20.0	17.4	16	7.50	26.8	21.3	18.6
16	10.00	18.0	15.8	13.8	16	10.00	22.8	18.1	15.9	16	10.00	24.4	19.4	16.9
16	12.50	16.1	14.7	12.9	16	12.50	20.4	16.8	14.7	16	12.50	22.6	18.0	15.7
16	15.00	14.7	13.8	12.1	16	15.00	18.6	15.9	13.9	16	15.00	20.8	16.9	14.8
16	20.00	11.4	11.4	11.0	16	20.00	16.1	14.4	12.6	16	20.00	18.0	15.4	13.4
24	5.00	20.7	17.4	15.2	24	5.00	25.2	20.0	17.4	24	5.00	26.8	21.3	18.6
24	6.70	18.0	15.8	13.8	24	6.70	22.8	18.1	15.9	24	6.70	24.4	19.4	16.9
24	7.50	16.9	15.2	13.3	24	7.50	21.5	17.4	15.2	24	7.50	23.4	18.6	16.3
24	10.00	14.7	13.8	12.1	24	10.00	18.6	15.9	13.9	24	10.00	20.8	16.9	14.8
24	12.50	12.1	12.1	11.2	24	12.50	16.6	14.7	12.9	24	12.50	18.6	15.7	13.4
24	15.00	10.1	10.1	10.1	24	15.00	15.2	13.9	12.1	24	15.00	17.0	14.8	12.9
24	20.00	7.6	7.6	7.6	24	20.00	13.1	12.6	11.0	24	20.00	14.7	13.4	11.7