

## Table Notes

1. Allowable composite limiting heights are calculated using ICC-ES AC86-2012.
2. No fasteners are required for attaching the stud to the track.
3. Stud end bearing must be a minimum of 1 inch.
4. Composite limiting heights are based on a single layer of 5/8" type X gypsum board installed in the vertical orientation to both sides of the wall over full height using minimum No. 6 Type S Drywall screws spaced a maximum of 12" oc for studs at 24" spacing, and 16" oc for studs at 16" and 12" spacing.

Section	Fy (ksi)	Spacing (in) oc	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162S125-18	33	12	13' 0" f	11' 1"	9' 10"	10' 8" f	9' 8"	8' 7"	9' 3" f	8' 9"	7' 9"
		16	11' 3" f	10' 1"	8' 11"	9' 3" f	8' 9"	7' 9"	8' 0" f	7' 11"	-
		24	9' 3" f	8' 9"	7' 9"	-	-	-	-	-	-
162S125-27	33	12	14' 9"	11' 8"	10' 2"	12' 10"	10' 2"	8' 7"	11' 8"	9' 1"	7' 6"
		16	13' 4"	10' 7"	9' 1"	11' 8"	9' 1"	7' 6"	10' 7"	7' 11"	-
		24	11' 8"	9' 1"	-	10' 2"	-	-	9' 1"	-	-
162S125-30	33	12	14' 11"	11' 10"	10' 4"	13' 1"	10' 4"	8' 11"	11' 10"	9' 4"	7' 11"
		16	13' 7"	10' 9"	9' 4"	11' 10"	9' 4"	7' 11"	10' 9"	8' 3"	-
		24	11' 10"	9' 4"	7' 11"	10' 4"	7' 11"	-	9' 4"	-	-
250S125-18	33	12	16' 4" f	14' 2"	12' 9"	13' 4" f	12' 4"	11' 2"	11' 7" f	11' 3"	10' 2"
		16	14' 2" f	12' 10"	11' 7"	11' 7" f	11' 3"	10' 2"	10' 0" f	10' 0" f	9' 0"
		24	11' 7" f	11' 3"	10' 2"	9' 5" f	9' 5" f	8' 6"	8' 2" f	8' 2" f	-
250S125-27	33	12	18' 7"	15' 4"	13' 9"	16' 3"	13' 5"	12' 0"	14' 9"	12' 2"	10' 11"
		16	16' 10"	13' 11"	12' 5"	14' 9"	12' 2"	10' 11"	13' 5"	11' 1"	9' 11"
		24	14' 9"	12' 2"	10' 11"	12' 11"	10' 8"	9' 4"	11' 3" f	9' 8"	8' 1"
250S125-30	33	12	18' 5"	15' 10"	14' 1"	16' 1"	13' 10"	12' 4"	14' 7"	12' 7"	11' 2"
		16	16' 9"	14' 5"	12' 10"	14' 7"	12' 7"	11' 2"	13' 3"	11' 5"	10' 2"
		24	14' 7"	12' 7"	11' 2"	12' 9"	11' 0"	9' 9"	11' 7"	10' 0"	8' 8"
250S125-33	33	12	19' 8"	15' 8"	13' 8"	17' 3"	13' 8"	11' 11"	15' 8"	12' 5"	10' 10"
		16	17' 11"	14' 3"	12' 5"	15' 8"	12' 5"	10' 10"	14' 3"	11' 3"	9' 10"
		24	15' 8"	12' 5"	10' 10"	13' 8"	10' 10"	9' 5"	12' 4" f	9' 10"	8' 4"
350S125-18	33	12	18' 3" f	16' 4"	14' 4"	14' 11" f	14' 4"	12' 6"	12' 11" f	12' 11" f	11' 4"
		16	15' 10" f	14' 10"	13' 0"	12' 11" f	12' 11" f	11' 4"	11' 2" f	11' 2" f	10' 3"
		24	12' 11" f	12' 11" f	11' 4"	10' 7" f	10' 7" f	9' 11"	9' 2" f	9' 2" f	9' 0"
350S125-27	33	12	22' 6"	17' 11"	15' 7"	19' 8"	15' 7"	13' 8"	17' 11"	14' 2"	12' 4"
		16	20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 4"	15' 10" f	12' 11"	11' 2"
		24	17' 11"	14' 2"	12' 4"	14' 11" f	12' 4"	10' 8"	12' 11" f	11' 2"	-
350S125-30	33	12	22' 6"	17' 11"	15' 8"	19' 8"	15' 8"	13' 8"	17' 11"	14' 2"	12' 4"
		16	20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 4"	16' 3"	12' 11"	11' 1"
		24	17' 11"	14' 2"	12' 4"	15' 8"	12' 4"	10' 7"	13' 9" f	11' 1"	-
350S125-33	33	12	23' 0"	18' 3"	15' 11"	20' 1"	15' 11"	13' 11"	18' 3"	14' 6"	12' 8"
		16	20' 11"	16' 7"	14' 6"	18' 3"	14' 6"	12' 8"	16' 7"	13' 2"	11' 4"
		24	18' 3"	14' 6"	12' 8"	15' 11"	12' 8"	10' 10"	14' 4" f	11' 4"	9' 8"
362S125-18	33	12	18' 8" f	16' 8"	14' 7"	15' 3" f	14' 7"	12' 9"	13' 2" f	13' 2" f	11' 6"
		16	16' 2" f	15' 2"	13' 3"	13' 2" f	13' 2" f	11' 6"	11' 5" f	11' 5" f	10' 4"
		24	13' 2" f	13' 2" f	11' 6"	10' 9" f	10' 9" f	9' 11"	9' 4" f	9' 4" f	8' 11"
362S125-27	33	12	22' 10"	18' 2"	15' 10"	19' 11"	15' 10"	13' 10"	18' 2"	14' 5"	12' 6"
		16	20' 9"	16' 6"	14' 5"	18' 2"	14' 5"	12' 6"	15' 9" f	13' 1"	11' 1"
		24	18' 2"	14' 5"	12' 6"	14' 11" f	12' 6"	10' 7"	12' 11" f	11' 1"	-
362S125-30	33	12	22' 10"	18' 3"	16' 4"	19' 11"	16' 0"	14' 3"	18' 1"	14' 6"	12' 11"
		16	20' 8"	16' 7"	14' 10"	18' 1"	14' 6"	12' 11"	16' 5"	13' 2"	11' 6"
		24	18' 1"	14' 6"	12' 11"	15' 9" f	12' 8"	10' 11"	13' 8" f	11' 4"	-
362S125-33	33	12	24' 2"	19' 2"	16' 9"	21' 1"	16' 9"	14' 8"	19' 2"	15' 3"	13' 4"
		16	21' 11"	17' 5"	15' 3"	19' 2"	15' 3"	13' 4"	17' 5"	13' 10"	11' 11"
		24	19' 2"	15' 3"	13' 4"	16' 8" f	13' 4"	11' 4"	14' 5" f	11' 11"	10' 1"

Note: 'f' adjacent to the height value indicates that flexural stress controls the allowable wall height.

Section	Fy (ksi)	Spacing (in) oc	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
400S125-18	33	12	19' 3" f	17' 6"	15' 4"	15' 9" f	15' 4"	13' 4"	13' 8" f	13' 8" f	12' 2"
		16	16' 8" f	15' 11"	13' 11"	13' 8" f	13' 8" f	12' 2"	11' 10" f	11' 10" f	11' 0"
		24	13' 8" f	13' 8" f	12' 2"	11' 2" f	11' 2" f	10' 7"	9' 8" f	9' 8" f	9' 7"
400S125-27	33	12	24' 6"	19' 5"	17' 0"	21' 5"	17' 0"	14' 10"	18' 8" f	15' 5"	13' 6"
		16	22' 3"	17' 8"	15' 5"	18' 8" f	15' 5"	13' 6"	16' 2" f	14' 0"	12' 2"
		24	18' 8" f	15' 5"	13' 6"	15' 3" f	13' 6"	11' 8"	13' 3" f	12' 2"	10' 6"
400S125-30	33	12	24' 6"	19' 5"	17' 0"	21' 5"	17' 0"	14' 10"	19' 5"	15' 5"	13' 6"
		16	22' 3"	17' 8"	15' 5"	19' 5"	15' 5"	13' 6"	17' 5" f	14' 0"	12' 2"
		24	19' 5"	15' 5"	13' 6"	16' 5" f	13' 6"	11' 7"	14' 2" f	12' 2"	10' 4"
400S125-33	33	12	25' 3"	20' 1"	17' 6"	22' 1"	17' 6"	15' 4"	20' 1"	15' 11"	13' 11"
		16	22' 11"	18' 3"	15' 11"	20' 1"	15' 11"	13' 11"	18' 3"	14' 5"	12' 7"
		24	20' 1"	15' 11"	13' 11"	17' 3" f	13' 11"	12' 0"	15' 0" f	12' 7"	10' 9"
550S125-18	33	12	21' 11" f	21' 11" f	19' 6"	17' 10" f	17' 10" f	17' 0"	15' 6" f	15' 6" f	15' 6" f
		16	19' 0" f	19' 0" f	17' 9"	15' 6" f	15' 6" f	15' 6" f	13' 5" f	13' 5" f	13' 5" f
		24	15' 6" f	15' 6" f	15' 6" f	12' 8" f	12' 8" f	12' 8" f	-	-	-
550S125-27	33	12	30' 4"	24' 8"	21' 10"	26' 9" f	21' 10"	19' 4"	23' 2" f	20' 0"	17' 8"
		16	27' 11"	22' 8"	20' 0"	23' 2" f	20' 0"	17' 8"	20' 1" f	18' 4"	16' 0"
		24	23' 2" f	20' 0"	17' 8"	18' 11" f	17' 8"	15' 5"	16' 5" f	16' 0"	-
550S125-30	33	12	30' 5"	24' 10"	22' 0"	27' 0"	22' 0"	19' 5"	24' 10"	20' 2"	17' 10"
		16	28' 0"	22' 9"	20' 2"	24' 10" f	20' 2"	17' 10"	21' 7" f	18' 6"	16' 2"
		24	24' 10"	20' 2"	17' 10"	20' 4" f	17' 10"	15' 7"	17' 7" f	16' 2"	-
600S125-18	33	12	23' 2' f	22' 9"	19' 11"	18' 11" f	18' 11" f	17' 5"	16' 4" f	16' 4" f	15' 10"
		16	20' 1" f	20' 1" f	18' 1"	16' 4" f	16' 4" f	15' 10"	14' 2" f	14' 2" f	14' 2" f
		24	16' 4" f	16' 4" f	15' 10"	13' 4" f	13' 4" f	13' 4" f	-	-	-
600S125-27	33	12	32' 5" f	26' 9"	23' 5"	26' 5" f	23' 5"	20' 5"	22' 11" f	21' 3"	18' 7"
		16	28' 1" f	24' 4"	21' 3"	22' 11" f	21' 3"	18' 7"	19' 10" f	19' 4"	16' 10"
		24	22' 11" f	21' 3"	18' 7"	18' 8" f	18' 7"	16' 1"	16' 2" f	16' 2" f	-
600S125-30	33	12	34' 2"	27' 1"	23' 8"	28' 11" f	23' 8"	20' 8"	25' 0" f	21' 6"	18' 9"
		16	30' 8" f	24' 7"	21' 6"	25' 0" f	21' 6"	18' 9"	21' 8" f	19' 6"	17' 1"
		24	25' 0" f	21' 6"	18' 9"	20' 5" f	18' 9"	16' 5"	17' 8" f	17' 1"	-
600S125-33	33	12	35' 4"	28' 1"	24' 6"	30' 10"	24' 6"	21' 5"	27' 10" f	22' 3"	19' 5"
		16	32' 1" f	25' 6"	22' 3"	27' 10" f	22' 3"	19' 5"	24' 1" f	20' 3"	17' 8"
		24	27' 10" f	22' 3"	19' 5"	22' 9" f	19' 5"	16' 11"	19' 8" f	17' 8"	-

Note: 'f' adjacent to the height value indicates that flexural stress controls the allowable wall height.  
 See Table Notes on page 19.

## Table Notes

- Five pounds per square foot (psf), 7.5 psf, and 10 psf loads have **not** been reduced for strength or deflection checks; full lateral load is applied.
- Limiting heights are based on steel properties only (non-composite) without the contribution of sheathing to strength and stiffness of the assembly. Properly fastened sheathing is still required for members to be considered fully braced.
- Web crippling check based on 1" end bearing.
- Studs are assumed to be adequately braced at maximum spacing of  $L_u$  to develop full allowable moment.
- See page 5 for additional table notes.

Section	F <sub>y</sub> (ksi)	L <sub>u</sub> (in)	Spacing (in) oc	5 psf			7.5 psf			10 psf		
				L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162S125-18	33	29.0	12	9' 0"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	6' 4"	6' 1"	5' 4"
			16	7' 9"	6' 11"	6' 1"	6' 4"	6' 1"	5' 4"	5' 6"	5' 6"	4' 10"
			24	6' 4"	6' 1"	5' 4"	5' 2"	5' 2"	4' 8"	4' 6"	4' 6"	4' 3"
162S125-27	33	29.1	12	11' 3"	8' 11"	7' 10"	9' 8"	7' 10"	6' 10"	8' 4"	7' 1"	6' 3"
			16	10' 3"	8' 2"	7' 1"	8' 4"	7' 1"	6' 3"	7' 3"	6' 5"	5' 8"
			24	8' 4"	7' 1"	6' 3"	6' 10"	6' 3"	5' 5"	5' 11"	5' 8"	4' 11"
162S125-30	33	29.2	12	11' 8"	9' 3"	8' 1"	10' 2"	8' 1"	7' 1"	8' 11"	7' 4"	6' 5"
			16	10' 7"	8' 5"	7' 4"	8' 11"	7' 4"	6' 5"	7' 9"	6' 8"	5' 10"
			24	8' 11"	7' 4"	6' 5"	7' 3"	6' 5"	5' 7"	6' 4"	5' 10"	5' 1"
162S125-33	33	29.2	12	12' 0"	9' 6"	8' 4"	10' 6"	8' 4"	7' 3"	9' 6"	7' 7"	6' 7"
			16	10' 11"	8' 8"	7' 7"	9' 6"	7' 7"	6' 7"	8' 3"	6' 11"	6' 0"
			24	9' 6"	7' 7"	6' 7"	7' 10"	6' 7"	5' 9"	6' 9"	6' 0"	5' 3"
250S125-18	33	29.0	12	11' 8"	10' 6"	9' 2"	9' 7"	9' 2"	8' 1"	8' 3"	8' 3"	7' 4"
			16	10' 2"	9' 7"	8' 4"	8' 3"	8' 3"	7' 4"	7' 2"	7' 2"	6' 8"
			24	8' 3"	8' 3"	7' 4"	6' 9"	6' 9"	6' 5"	5' 10" <sup>e</sup>	5' 10" <sup>e</sup>	5' 10" <sup>e</sup>
250S125-27	33	28.9	12	15' 7"	12' 4"	10' 10"	12' 9"	10' 10"	9' 5"	11' 0"	9' 10"	8' 7"
			16	13' 6"	11' 3"	9' 10"	11' 0"	9' 10"	8' 7"	9' 7"	8' 11"	7' 10"
			24	11' 0"	9' 10"	8' 7"	9' 0"	8' 7"	7' 6"	7' 10"	7' 10"	6' 10"
250S125-30	33	28.9	12	16' 1"	12' 9"	11' 2"	13' 7"	11' 2"	9' 9"	11' 10"	10' 2"	8' 10"
			16	14' 5"	11' 7"	10' 2"	11' 10"	10' 2"	8' 10"	10' 3"	9' 2"	8' 1"
			24	11' 10"	10' 2"	8' 10"	9' 8"	8' 10"	7' 9"	8' 4"	8' 1"	7' 0"
250S125-33	33	28.9	12	16' 7"	13' 2"	11' 6"	14' 6"	11' 6"	10' 1"	12' 8"	10' 6"	9' 2"
			16	15' 1"	12' 0"	10' 6"	12' 8"	10' 6"	9' 2"	11' 0"	9' 6"	8' 4"
			24	12' 8"	10' 6"	9' 2"	10' 4"	9' 2"	8' 0"	8' 11"	8' 4"	7' 3"
250S125-43	33	28.9	12	18' 1"	14' 4"	12' 6"	15' 10"	12' 6"	10' 11"	14' 4"	11' 5"	9' 11"
			16	16' 5"	13' 0"	11' 5"	14' 4"	11' 5"	9' 11"	13' 0"	10' 4"	9' 0"
			24	14' 4"	11' 5"	9' 11"	12' 4"	9' 11"	8' 8"	10' 8"	9' 0"	7' 11"
350S125-18	33	28.8	12	13' 9"	13' 9"	12' 1"	11' 3"	11' 3"	10' 7"	9' 9"	9' 9"	9' 7"
			16	11' 11"	11' 11"	11' 0"	9' 9"	9' 9"	9' 7"	8' 5" <sup>e</sup>	8' 5" <sup>e</sup>	8' 5" <sup>e</sup>
			24	9' 9"	9' 9"	9' 7"	7' 11" <sup>e</sup>	7' 11" <sup>e</sup>	7' 11" <sup>e</sup>	6' 11" <sup>e</sup>	6' 11" <sup>e</sup>	6' 11" <sup>e</sup>
350S125-27	33	28.7	12	18' 6"	16' 1"	14' 0"	15' 1"	14' 0"	12' 3"	13' 1"	12' 9"	11' 1"
			16	16' 0"	14' 7"	12' 9"	13' 1"	12' 9"	11' 1"	11' 4"	11' 4"	10' 1"
			24	13' 1"	12' 9"	11' 1"	10' 8"	10' 8"	9' 9"	9' 3"	9' 3"	8' 10"
350S125-30	33	28.6	12	19' 11"	16' 7"	14' 6"	16' 3"	14' 6"	12' 8"	14' 1"	13' 2"	11' 6"
			16	17' 3"	15' 0"	13' 2"	14' 1"	13' 2"	11' 6"	12' 2"	11' 11"	10' 5"
			24	14' 1"	13' 2"	11' 6"	11' 6"	11' 6"	10' 0"	9' 11"	9' 11"	9' 1"
350S125-33	33	28.6	12	21' 5"	17' 1"	14' 11"	17' 6"	14' 11"	13' 1"	15' 2"	13' 7"	11' 10"
			16	18' 7"	15' 7"	13' 7"	15' 2"	13' 7"	11' 10"	13' 2"	12' 4"	10' 9"
			24	15' 2"	13' 7"	11' 10"	12' 5"	11' 10"	10' 4"	10' 9"	10' 9"	9' 5"
350S125-43	33	28.4	12	23' 6"	18' 8"	16' 3"	20' 6"	16' 3"	14' 3"	18' 5"	14' 10"	12' 11"
			16	21' 4"	16' 11"	14' 10"	18' 5"	14' 10"	12' 11"	16' 0"	13' 5"	11' 9"
			24	18' 5"	14' 10"	12' 11"	15' 1"	12' 11"	11' 4"	13' 0"	11' 9"	10' 3"
350S125-54	50	22.9	12	25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
			16	22' 10"	18' 1"	15' 10"	19' 11"	15' 10"	13' 10"	18' 1"	14' 4"	12' 7"
			24	19' 11"	15' 10"	13' 10"	17' 5"	13' 10"	12' 1"	15' 10"	12' 7"	11' 0"
350S125-68	50	22.8	12	26' 10"	21' 4"	18' 7"	23' 5"	18' 7"	16' 3"	21' 4"	16' 11"	14' 9"
			16	24' 5"	19' 4"	16' 11"	21' 4"	16' 11"	14' 9"	19' 4"	15' 4"	13' 5"
			24	21' 4"	16' 11"	14' 9"	18' 7"	14' 9"	12' 11"	16' 11"	13' 5"	11' 9"
362S125-18	33	28.8	12	14' 0"	14' 0"	12' 6"	11' 6"	11' 6"	10' 11"	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>
			16	12' 2"	12' 2"	11' 4"	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	8' 7" <sup>e</sup>	8' 7" <sup>e</sup>	8' 7" <sup>e</sup>
			24	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	8' 1" <sup>e</sup>	8' 1" <sup>e</sup>	8' 1" <sup>e</sup>	7' 0" <sup>e</sup>	7' 0" <sup>e</sup>	7' 0" <sup>e</sup>
362S125-27	33	28.6	12	18' 10"	16' 6"	14' 5"	15' 5"	14' 5"	12' 7"	13' 4"	13' 1"	11' 5"
			16	16' 4"	15' 0"	13' 1"	13' 4"	13' 1"	11' 5"	11' 7"	11' 7"	10' 5"
			24	13' 4"	13' 1"	11' 5"	10' 11"	10' 11"	10' 0"	9' 5"	9' 5"	9' 1"
362S125-30	33	28.6	12	20' 3"	17' 0"	14' 10"	16' 7"	14' 10"	13' 0"	14' 4"	13' 6"	11' 10"
			16	17' 7"	15' 6"	13' 6"	14' 4"	13' 6"	11' 10"	12' 5"	12' 3"	10' 9"
			24	14' 4"	13' 6"	11' 10"	11' 8"	11' 8"	10' 4"	10' 4"	10' 2"	9' 4"
362S125-33	33	28.5	12	21' 11"	17' 7"	15' 4"	17' 10"	15' 4"	13' 5"	15' 6"	14' 0"	12' 2"
			16	18' 11"	16' 0"	14' 0"	15' 6"	14' 0"	12' 2"	13' 5"	12' 8"	11' 1"
			24	15' 6"	14' 0"	12' 2"	12' 8"	12' 2"	10' 8"	10' 11"	10' 11"	9' 8"
362S125-43	33	28.4	12	24' 2"	19' 2"	16' 9"	21' 1"	16' 9"	14' 8"	18' 10"	15' 3"	13' 4"
			16	21' 11"	17' 5"	15' 3"	18' 10"	15' 3"	13' 4"	16' 4"	13' 10"	12' 1"
			24	18' 10"	15' 3"	13' 4"	15' 4"	13' 4"	11' 7"	13' 4"	12' 1"	10' 7"

<sup>1</sup> Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.

<sup>e</sup> "e" web stiffeners required at ends.



# Interior Wall Limiting Heights - Non-Composite - Fully Braced

Section	F <sub>y</sub> (ksi)	L <sub>w</sub> (in)	Spacing (in) oc	5 psf			7.5 psf			10 psf		
				L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
362S125-54	50	22.8	12	25' 10"	20' 6"	17' 11"	22' 7"	17' 11"	15' 8"	20' 6"	16' 3"	14' 2"
			16	23' 5"	18' 7"	16' 3"	20' 6"	16' 3"	14' 2"	18' 7"	14' 9"	12' 11"
			24	20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 5"	16' 3"	12' 11"	11' 3"
362S125-68	50	22.7	12	27' 7"	21' 11"	19' 2"	24' 1"	19' 2"	16' 9"	21' 11"	17' 5"	15' 2"
			16	25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
			24	21' 11"	17' 5"	15' 2"	19' 2"	15' 2"	13' 3"	17' 5"	13' 10"	12' 1"
400S125-18 <sup>1</sup>	33	28.7	12	14' 9" <sup>e</sup>	14' 9" <sup>e</sup>	13' 6" <sup>e</sup>	12' 1" <sup>e</sup>	12' 1" <sup>e</sup>	11' 9" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>
			16	12' 10" <sup>e</sup>	12' 10" <sup>e</sup>	12' 3" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	9' 1" <sup>e</sup>	9' 1" <sup>e</sup>	9' 1" <sup>e</sup>
			24	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	8' 6" <sup>e</sup>	8' 6" <sup>e</sup>	8' 6" <sup>e</sup>	7' 5" <sup>e</sup>	7' 5" <sup>e</sup>	7' 5" <sup>e</sup>
400S125-27	33	28.5	12	19' 11"	17' 10"	15' 7"	16' 3"	15' 7"	13' 7"	14' 1"	14' 1"	12' 4"
			16	17' 3"	16' 2"	14' 2"	14' 1"	14' 1"	12' 4"	12' 2"	12' 2"	11' 3"
			24	14' 1"	14' 1"	12' 4"	11' 6"	11' 6"	10' 9"	9' 11"	9' 11"	9' 10"
400S125-30	33	28.5	12	21' 5"	18' 5"	16' 1"	17' 6"	16' 1"	14' 0"	15' 2"	14' 7"	12' 9"
			16	18' 6"	16' 8"	14' 7"	15' 2"	14' 7"	12' 9"	13' 1"	13' 1"	11' 7"
			24	15' 2"	14' 7"	12' 9"	12' 4"	12' 4"	11' 2"	10' 8"	10' 8"	10' 1"
400S125-33	33	28.4	12	23' 2"	19' 0"	16' 7"	18' 11"	16' 7"	14' 6"	16' 4"	15' 1"	13' 2"
			16	20' 0"	17' 3"	15' 1"	16' 4"	15' 1"	13' 2"	14' 2"	13' 9"	12' 0"
			24	16' 4"	15' 1"	13' 2"	13' 4"	13' 2"	11' 6"	11' 7"	11' 7"	10' 6"
400S125-43	33	28.2	12	26' 1"	20' 9"	18' 1"	22' 10"	18' 1"	15' 10"	19' 11"	16' 5"	14' 4"
			16	23' 9"	18' 10"	16' 5"	19' 11"	16' 5"	14' 4"	17' 3"	14' 11"	13' 1"
			24	19' 11"	16' 5"	14' 4"	16' 3"	14' 4"	12' 7"	14' 1"	13' 1"	11' 5"
400S125-54	50	22.7	12	27' 11"	22' 2"	19' 4"	24' 5"	19' 4"	16' 11"	22' 2"	17' 7"	15' 4"
			16	25' 4"	20' 2"	17' 7"	22' 2"	17' 7"	15' 4"	20' 2"	16' 0"	13' 11"
			24	22' 2"	17' 7"	15' 4"	19' 4"	15' 4"	13' 5"	17' 7"	13' 11"	12' 2"
400S125-68	50	22.5	12	29' 10"	23' 8"	20' 8"	26' 1"	20' 8"	18' 1"	23' 8"	18' 10"	16' 5"
			16	27' 2"	21' 6"	18' 10"	23' 8"	18' 10"	16' 5"	21' 6"	17' 1"	14' 11"
			24	23' 8"	18' 10"	16' 5"	20' 8"	16' 5"	14' 4"	18' 10"	14' 11"	13' 0"
550S125-27 <sup>1</sup>	33	27.9	12	23' 10"	22' 10"	20' 2"	19' 6"	19' 6"	17' 6"	16' 10"	16' 10"	15' 11"
			16	20' 8"	20' 8"	18' 3"	16' 10"	16' 10"	15' 11"	14' 7"	14' 7"	14' 5"
			24	16' 10"	16' 10"	15' 11"	13' 9"	13' 9"	13' 9"	11' 11" <sup>e</sup>	11' 11" <sup>e</sup>	11' 11" <sup>e</sup>
550S125-30	33	27.9	12	25' 8"	23' 9"	20' 10"	21' 0"	20' 8"	18' 2"	18' 2"	16' 6"	16' 6"
			16	22' 3"	21' 6"	18' 11"	18' 2"	18' 2"	16' 6"	15' 9"	15' 9"	14' 11"
			24	18' 2"	18' 2"	16' 6"	14' 10"	14' 10"	14' 4"	12' 10" <sup>e</sup>	12' 10" <sup>e</sup>	12' 10" <sup>e</sup>
550S125-33	33	27.8	12	27' 9"	24' 8"	21' 6"	22' 8"	21' 6"	18' 10"	19' 8"	19' 6"	17' 1"
			16	24' 1"	22' 4"	19' 7"	19' 8"	19' 6"	17' 1"	17' 0"	17' 0"	15' 6"
			24	19' 8"	19' 6"	17' 1"	16' 0"	16' 0"	14' 11"	13' 11"	13' 11"	13' 6"
550S125-43	33	27.6	12	33' 9"	26' 10"	23' 5"	27' 8"	23' 5"	20' 5"	24' 0"	21' 3"	18' 7"
			16	29' 4"	24' 4"	21' 3"	24' 0"	21' 3"	18' 7"	20' 9"	19' 4"	16' 11"
			24	24' 0"	21' 3"	18' 7"	19' 7"	18' 7"	16' 3"	16' 11"	16' 11"	14' 9"
550S125-54	50	22.1	12	36' 2"	28' 9"	25' 1"	31' 7"	25' 1"	21' 11"	28' 9"	22' 9"	19' 11"
			16	32' 10"	26' 1"	22' 9"	28' 9"	22' 9"	19' 11"	26' 1"	20' 8"	18' 1"
			24	28' 9"	22' 9"	19' 11"	25' 1"	19' 11"	17' 5"	22' 9"	18' 1"	15' 10"
550S125-68	50	21.8	12	38' 8"	30' 8"	26' 10"	33' 9"	26' 10"	23' 5"	30' 8"	24' 4"	21' 3"
			16	35' 2"	27' 11"	24' 4"	30' 8"	24' 4"	21' 3"	27' 11"	22' 2"	19' 4"
			24	30' 8"	24' 4"	21' 3"	26' 10"	21' 3"	18' 7"	24' 4"	19' 4"	16' 11"
600S125-27 <sup>1</sup>	33	27.7	12	24' 10" <sup>e</sup>	24' 4" <sup>e</sup>	21' 3" <sup>e</sup>	20' 4" <sup>e</sup>	20' 4" <sup>e</sup>	18' 7" <sup>e</sup>	17' 7" <sup>e</sup>	17' 7" <sup>e</sup>	16' 10" <sup>e</sup>
			16	21' 6" <sup>e</sup>	21' 6" <sup>e</sup>	19' 4" <sup>e</sup>	17' 7" <sup>e</sup>	17' 7" <sup>e</sup>	16' 10" <sup>e</sup>	15' 3" <sup>e</sup>	15' 3" <sup>e</sup>	15' 3" <sup>e</sup>
			24	17' 7" <sup>e</sup>	17' 7" <sup>e</sup>	16' 10" <sup>e</sup>	14' 4" <sup>e</sup>	14' 4" <sup>e</sup>	14' 4" <sup>e</sup>	12' 5" <sup>e</sup>	12' 5" <sup>e</sup>	12' 5" <sup>e</sup>
600S125-30	33	27.6	12	26' 10"	25' 2"	22' 0"	21' 11"	21' 11"	19' 3"	18' 11"	18' 11"	17' 6"
			16	23' 3"	22' 11"	20' 0"	18' 11"	18' 11"	17' 6"	16' 5"	16' 5"	15' 10"
			24	18' 11"	18' 11"	17' 6"	15' 6"	15' 6"	15' 3"	13' 5" <sup>e</sup>	13' 5" <sup>e</sup>	13' 5" <sup>e</sup>
600S125-33	33	27.6	12	29' 0"	26' 2"	22' 10"	23' 8"	22' 10"	19' 11"	20' 6"	20' 6"	18' 1"
			16	25' 2"	23' 9"	20' 9"	20' 6"	20' 6"	18' 1"	17' 9"	17' 9"	16' 6"
			24	20' 6"	20' 6"	18' 1"	16' 9"	16' 9"	15' 10"	14' 6"	14' 6"	14' 5"
600S125-43	33	27.3	12	35' 6"	28' 9"	25' 1"	29' 0"	25' 1"	21' 11"	25' 1"	22' 10"	19' 11"
			16	30' 9"	26' 1"	22' 10"	25' 1"	22' 10"	19' 11"	21' 9"	20' 9"	18' 1"
			24	25' 1"	22' 10"	19' 11"	20' 6"	19' 11"	17' 5"	17' 9"	17' 9"	15' 10"
600S125-54	50	21.9	12	38' 9"	30' 9"	26' 10"	33' 10"	26' 10"	23' 6"	30' 9"	24' 5"	21' 4"
			16	35' 3"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 5"
			24	30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 8"	24' 1"	19' 5"	16' 11"
600S125-68	50	21.6	12	41' 7"	33' 0"	28' 10"	36' 4"	28' 10"	25' 2"	33' 0"	26' 2"	22' 10"
			16	37' 9"	30' 0"	26' 2"	33' 0"	26' 2"	22' 10"	30' 0"	23' 9"	20' 9"
			24	33' 0"	26' 2"	22' 10"	28' 10"	22' 10"	20' 0"	26' 2"	20' 9"	18' 2"
800S125-43	33	26.3	12	40' 11"	36' 1"	31' 6"	33' 5"	31' 6"	27' 6"	28' 11"	28' 8"	25' 0"
			16	35' 5"	32' 9"	28' 8"	28' 11"	28' 8"	25' 0"	25' 1"	25' 1"	22' 9"
			24	28' 11"	28' 8"	25' 0"	23' 8"	23' 8"	21' 10"	20' 6"	20' 6"	19' 10"
800S125-54	50	21.1	12	48' 10"	38' 9"	33' 10"	42' 8"	33' 10"	29' 7"	38' 9"	30' 9"	26' 10"
			16	44' 4"	35' 2"	30' 9"	38' 9"	30' 9"	26' 10"	34' 1"	27' 11"	24' 5"
			24	38' 9"	30' 9"	26' 10"	32' 1"	26' 10"	23' 6"	27' 10"	24' 5"	21' 4"
800S125-68	50	20.8	12	52' 10"	41' 11"	36' 8"	46' 2"	36' 8"	32' 0"	41' 11"	33' 4"	29' 1"
			16	48' 0"	38' 1"	33' 4"	41' 11"	33' 4"	29' 1"	38' 1"	30' 3"	26' 5"
			24	41' 11"	33' 4"	29' 1"	36' 8"	29' 1"	25' 5"	33' 3"	26' 5"	23' 1"

<sup>1</sup> Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.

"e" web stiffeners required at ends.

See Table Notes on page 21.

# Interior Wall Limiting Heights - Braced at 48" oc



## Table Notes

- Five pounds per square foot (psf), 7.5 psf, and 10 psf loads have **not** been reduced for strength or deflection checks; full lateral load is applied.
- Web crippling check based on 1" end bearing.
- Limiting heights are based on studs braced at maximum spacing of 48" oc. Bracing can be placed at a greater distance if deflection controls (d), maximum brace spacing is listed under Lbr.
- See page 5 for additional table notes.

Section	F <sub>y</sub> (ksi)	L <sub>v</sub> (in)	Spacing (in) oc	5 psf						7.5 psf						10 psf					
				L/120	Lbr	L/240	Lbr	L/360	Lbr	L/120	Lbr	L/240	Lbr	L/360	Lbr	L/120	Lbr	L/240	Lbr	L/360	Lbr
162S125-18	33	29.0	12	8' 5" f (48)	7' 10" d (59)	6' 11" d (73)	6' 10" f (48)	6' 9" d (50)	6' 0" d (66)	5' 11" f (48)	5' 11" f (48)	5' 5" d (61)	5' 2" f (48)	5' 2" f (48)	4' 11" d (55)						
			16	7' 3" f (48)	7' 1" d (53)	6' 3" d (68)	5' 11" f (48)	5' 11" f (48)	5' 5" d (61)	4' 10" f (48)	4' 10" f (48)	4' 8" d (53)	4' 2" f (48)	4' 2" f (48)	4' 2" f (48)						
			24	5' 11" f (48)	5' 11" f (48)	5' 5" d (61)	9' 0" f (48)	7' 10" d (70)	6' 10" d (84)	7' 10" f (48)	7' 1" d (64)	6' 3" d (79)	6' 9" f (48)	6' 6" d (57)	5' 8" d (75)						
162S125-27	33	29.1	12	11' 1" f (48)	9' 0" d (78)	7' 10" d (92)	9' 0" f (48)	7' 10" d (70)	6' 10" d (84)	7' 10" f (48)	7' 1" d (64)	6' 3" d (79)	6' 9" f (48)	6' 6" d (57)	5' 8" d (75)						
			16	9' 7" f (48)	8' 2" d (73)	7' 2" d (87)	7' 10" f (48)	7' 1" d (64)	6' 3" d (79)	6' 9" f (48)	6' 6" d (57)	5' 8" d (75)	5' 6" f (48)	5' 6" f (48)	4' 11" d (67)						
			24	7' 10" f (48)	7' 1" d (64)	6' 3" d (79)	6' 5" f (48)	6' 3" d (53)	5' 5" d (73)	8' 4" f (48)	7' 4" d (70)	7' 1" d (89)	8' 4" f (48)	7' 4" d (70)	6' 5" d (83)						
162S125-30	33	29.2	12	11' 8" d (51)	9' 3" d (81)	8' 1" d (98)	9' 8" f (48)	8' 1" d (74)	7' 1" d (89)	8' 4" f (48)	7' 4" d (70)	6' 5" d (83)	7' 3" f (48)	6' 8" d (63)	5' 10" d (78)						
			16	10' 3" f (48)	8' 5" d (76)	7' 4" d (91)	8' 4" f (48)	7' 4" d (70)	6' 5" d (83)	6' 10" f (48)	6' 5" d (60)	5' 7" d (76)	5' 11" f (48)	5' 10" d (51)	5' 1" d (72)						
			24	8' 4" f (48)	7' 4" d (70)	6' 5" d (83)	10' 5" f (48)	8' 4" d (78)	7' 4" d (95)	9' 0" f (48)	7' 7" d (73)	6' 8" d (88)	7' 9" f (48)	6' 11" d (68)	6' 0" d (82)						
162S125-33	33	29.2	12	12' 0" d (60)	9' 7" d (85)	8' 4" d (105)	10' 5" f (48)	8' 4" d (78)	7' 4" d (95)	9' 0" f (48)	7' 7" d (73)	6' 8" d (88)	7' 9" f (48)	6' 11" d (68)	6' 0" d (82)						
			16	10' 11" d (50)	8' 8" d (80)	7' 7" d (98)	9' 0" f (48)	7' 7" d (73)	6' 8" d (88)	6' 4" f (48)	6' 8" d (66)	5' 10" d (80)	6' 4" f (48)	6' 0" d (60)	5' 3" d (75)						
			24	9' 0" f (48)	7' 7" d (73)	6' 8" d (88)	9' 5" f (48)	9' 4" d (49)	8' 3" d (64)	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	7' 1" f (48)	7' 1" f (48)	6' 9" d (54)						
250S125-18	33	29.0	12	11' 6" f (48)	10' 9" d (57)	9' 6" d (69)	9' 5" f (48)	9' 4" d (49)	8' 3" d (64)	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	5' 9" e f (48)	5' 9" e f (48)	5' 9" e f (48)						
			16	10' 0" f (48)	9' 8" d (52)	8' 7" d (65)	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	6' 8" f (48)	6' 8" f (48)	6' 6" d (52)	9' 6" d (75)	10' 6" f (48)	9' 10" d (57)	8' 7" d (72)					
			24	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	12' 10" f (48)	12' 5" d (70)	10' 10" d (81)	12' 1" f (48)	10' 10" d (63)	9' 6" d (75)	9' 1" f (48)	8' 11" d (50)	7' 10" d (67)						
250S125-27	33	28.9	12	14' 10" f (48)	12' 5" d (70)	10' 10" d (81)	12' 1" f (48)	10' 10" d (63)	9' 6" d (75)	10' 6" f (48)	9' 10" d (57)	8' 7" d (72)	9' 1" f (48)	8' 11" d (50)	7' 10" d (67)						
			16	12' 10" f (48)	11' 3" d (65)	9' 11" d (77)	8' 7" f (48)	8' 7" f (48)	7' 6" d (65)	7' 5" f (48)	7' 5" f (48)	7' 5" f (48)	7' 5" f (48)	7' 5" f (48)	6' 10" d (60)						
			24	10' 6" f (48)	9' 10" d (57)	8' 7" d (72)	12' 10" f (48)	12' 5" d (70)	11' 3" d (84)	12' 11" f (48)	11' 2" d (67)	9' 10" d (73)	11' 2" f (48)	10' 2" d (62)	8' 11" d (73)						
250S125-30	33	28.9	12	15' 9" f (48)	12' 10" d (72)	11' 3" d (84)	12' 11" f (48)	11' 2" d (67)	9' 10" d (73)	11' 2" f (48)	10' 2" d (62)	8' 11" d (73)	9' 8" f (48)	9' 3" d (55)	8' 1" d (69)						
			16	13' 8" f (48)	11' 8" d (68)	10' 2" d (79)	11' 2" f (48)	10' 2" d (62)	8' 11" d (73)	9' 1" f (48)	8' 10" d (52)	7' 9" d (68)	7' 11" f (48)	7' 11" f (48)	7' 1" d (64)						
			24	11' 2" f (48)	10' 2" d (62)	8' 11" d (73)	16' 8" d (50)	13' 3" d (74)	11' 7" d (88)	13' 9" f (48)	11' 7" d (68)	10' 1" d (81)	11' 11" f (48)	10' 6" d (65)	9' 2" d (76)						
250S125-33	33	28.9	12	16' 8" d (50)	13' 3" d (74)	11' 7" d (88)	11' 11" f (48)	10' 6" d (65)	9' 2" d (76)	10' 4" f (48)	9' 6" d (60)	8' 4" d (72)	10' 4" f (48)	9' 6" d (60)	8' 4" d (72)						
			16	14' 7" f (48)	12' 1" d (70)	10' 6" d (82)	9' 9" f (48)	9' 2" d (58)	8' 0" d (70)	8' 5" f (48)	8' 4" d (50)	7' 4" d (66)	18' 2" d (59)	14' 5" d (83)	12' 7" d (99)						
			24	11' 11" f (48)	10' 6" d (65)	9' 2" d (76)	13' 11" f (48)	13' 1" d (78)	11' 5" d (93)	13' 11" f (48)	11' 5" d (71)	10' 0" d (85)	12' 1" f (48)	10' 5" d (67)	9' 1" d (80)						
250S125-43	33	28.9	12	18' 2" d (59)	14' 5" d (83)	12' 7" d (99)	11' 4" f (48)	10' 0" d (85)	11' 4" f (48)	10' 0" d (85)	8' 9" d (78)	9' 10" f (48)	9' 1" d (59)	7' 11" d (73)							
			16	16' 6" d (53)	13' 1" d (78)	11' 5" d (93)	10' 6" f (48)	10' 6" f (48)	10' 6" f (48)	9' 1" f (48)	9' 1" f (48)	9' 1" f (48)	7' 10" e f (48)	7' 10" e f (48)	7' 10" e f (48)						
			24	13' 11" f (48)	11' 5" d (71)	10' 0" d (85)	7' 5" e f (48)	7' 5" e f (48)	7' 5" e f (48)	6' 5" e f (48)	6' 5" e f (48)	6' 5" e f (48)	6' 5" e f (48)	6' 5" e f (48)							
350S125-18	33	28.8	12	12' 10" f (48)	12' 10" f (48)	12' 3" d (55)	10' 6" f (48)	10' 6" f (48)	10' 6" f (48)	9' 1" f (48)	9' 1" f (48)	9' 1" f (48)	7' 10" e f (48)	7' 10" e f (48)	7' 10" e f (48)						
			16	11' 1" f (48)	11' 1" f (48)	11' 1" d (48)	7' 5" e f (48)	7' 5" e f (48)	7' 5" e f (48)	6' 5" e f (48)	6' 5" e f (48)	6' 5" e f (48)	6' 5" e f (48)	6' 5" e f (48)							
			24	9' 1" f (48)	9' 1" f (48)	9' 1" f (48)	17' 3" f (48)	16' 1" d (59)	14' 1" d (73)	14' 1" f (48)	14' 0" d (48)	12' 3" d (67)	12' 2" f (48)	12' 2" f (48)	11' 2" d (62)						
350S125-27	33	28.7	12	17' 3" f (48)	16' 1" d (59)	14' 1" d (73)	12' 2" f (48)	12' 2" f (48)	12' 2" d (62)	11' 2" f (48)	11' 2" d (62)	10' 1" d (55)	8' 7" f (48)	8' 7" f (48)	8' 7" f (48)						
			16	14' 11" f (48)	14' 7" d (52)	12' 10" d (69)	9' 11" f (48)	9' 11" f (48)	9' 9" d (52)	18' 6" f (48)	16' 7" d (64)	14' 6" d (75)	15' 2" f (48)	14' 6" d (55)	12' 8" d (69)						
			24	12' 2" f (48)	12' 2" f (48)	11' 2" d (62)	13' 1" f (48)	13' 1" f (48)	11' 6" d (65)	11' 4" f (48)	11' 4" f (48)	11' 6" d (65)	11' 4" f (48)	11' 4" f (48)	10' 6" d (61)						
350S125-30	33	28.6	12	18' 6" f (48)	16' 7" d (64)	14' 6" d (75)	15' 2" f (48)	14' 6" d (55)	12' 8" d (69)	13' 1" f (48)	13' 1" f (48)	11' 6" d (65)	11' 4" f (48)	11' 4" f (48)	10' 6" d (61)						
			16	16' 1" f (48)	15' 1" d (58)	13' 2" d (71)	13' 1" f (48)	13' 1" f (48)	10' 1" d (58)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 1" d (51)						
			24	13' 1" f (48)	13' 1" f (48)	11' 6" d (65)	20' 0" f (48)	17' 2" d (66)	15' 0" d (78)	16' 4" f (48)	15' 0" d (60)	13' 1" d (71)	14' 2" f (48)	13' 7" d (55)	11' 11" d (67)						
350S125-33	33	28.6	12	20' 0" f (48)	17' 2" d (66)	15' 0" d (78)	16' 4" f (48)	15' 0" d (60)	13' 1" d (71)	14' 2" f (48)	13' 7" d (55)	11' 11" d (67)	12' 3" f (48)	12' 3" f (48)	10' 10" d (64)						
			16	17' 4" f (48)	15' 7" d (62)	13' 8" d (73)	14' 2" f (48)	13' 7" d (55)	11' 11" d (67)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	9' 5" d (57)							
			24	14' 2" f (48)	13' 7" d (55)	11' 11" d (67)	23' 6" d (49)	18' 8" d (73)	16' 4" d (86)	19' 4" f (48)	16' 4" d (67)	14' 3" d (79)	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)						
350S125-43	33	28.4	12	20' 6" f (48)	17' 0" d (69)	14' 10" d (81)	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)	14' 6" f (48)	13' 6" d (57)	11' 9" d (70)	14' 6" f (48)	13' 6" d (57)	11' 9" d (70)						
			16	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)	13' 8" f (48)	12' 11" d (55)	11' 4" d (69)	11' 10" f (48)	11' 9" d (49)	10' 3" d (64)	20' 0" d (60)	20' 0" d (60)	15' 10" d (68)						
			24	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)	22' 10" d (56)	18' 2" d (74)	15' 10" d (88)	22' 0" d (51)	15' 10" d (68)	13' 10" d (81)	18' 1" f (48)	14' 5" d (65)	12' 7" d (76)						
350S125-54	50	22.9	12	25' 2" d (60)	20' 0" d (79)	17' 5" d (93)	22' 0" d (55)	17' 5" d (72)	15' 3" d (86)	20' 0" d (51)	15' 10" d (68)	13' 10" d (81)	18' 1" f (48)	14' 5" d (65)	12' 7" d (76)						
			16	22' 10" d (56)	18' 2" d (74)	15' 10" d (88)	20' 0" d (51)	15' 10" d (68)	13' 10" d (81)	17' 0" f (48)	13' 10" d (63)	12' 1" d (74)	14' 9" f (48)	12' 7" d (60)	11' 0" d (70)						
			24	20' 0" d (51)	15' 10" d (68)	13' 10" d (81)	26' 10" d (64)	21' 4" d (87)	18' 7" d (106)	23' 5" d (59)	18' 7" d (79)	16' 3" d (96)	21' 4" d (55)	16' 11" d (74)	14' 9" d (89)						
350S125-68	50	22.8	12	26' 10" d (64)	21' 4" d (87)	18' 7" d (106)	21' 4" d (55)	16' 11" d (74)	14' 9" d (81)	19' 4" d (52)	15' 4" d (70)	13' 5" d (84)	19' 4" d (52)	15' 4" d (70)	13' 5" d (84)						
			16	24' 5" d (60)	19' 4" d (81)	16' 11" d (99)	18' 7" d (51)	14' 9" d (68)	12' 11" d (89)	16' 8" f (48)	15' 8" d (85)	20' 6" d (51)	16' 4" d (68)	14' 3" d (80)							
			24	21' 4" d (55)	16' 11" d (74)	14' 9" d (89)	10' 8" f (48)	10' 8" f (48)	10' 8" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	8' 0" e f (48)	8' 0" e f (48)	8' 0" e f (48)						
362S125-18	33	28.8	12	13' 1" f (48)	13' 1" f (48)	12' 7" d (54)	10' 8" f (48)	10' 8" f (48)	10' 8" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	8' 0" e f (48)	8' 0" e f (48)	8' 0" e f (48)						
			16	11' 4" f (48)	11' 4" f (48)	11' 4" f (48)	7' 7" e f (48)	7' 7" e f (48)	7' 7" e f (48)	6' 6" e f (48)	6' 6" e f (48)	6' 6" e f (48)	6' 6" e f (48)	6' 6" e f (48)							
			24	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	17' 7" f (48)	16' 6" d (58)	14' 6" d (72)	14' 4" f (48)	14' 4" f (48)	12' 8" d (66)	12' 5" f (48)	12' 5" f (48)	11' 5" d (60)						
362S125-27	33	28.6	12	15' 3" f (48)	15' 0" d (50)	13' 2" d (68)	12' 5" f (48)	12' 5" f (48)	11' 5" d (60)	10' 9" f (48)	10' 9" f (48)	10' 5" d (54)	10' 9" f (48)	10' 9" f (48)	10' 5" d (54)						
			16	12' 5" f (48)	12' 5" f (48)	11' 5" d (60)	10' 2" f (48)	10' 2" f (48)	10' 0" d (50)	8' 9" f (48)	8' 9" f (48)	8' 9" f (48)	8' 9" f (48)	8' 9" f (48)							
			24	12' 5" f (48)	12' 5" f (48)	11' 5" d (60)	18' 11" f (48)	17' 1" d (63)	14' 11" d (74)	15' 5" f (48)	14' 11" d (54)	13' 1" d (68)	13' 4" f (48)	13' 4" f (48)	11' 10" d (65)						
362S125-30	33																				



# Interior Wall Limiting Heights - Braced at 48" oc

Section	F <sub>y</sub> (ksi)	L <sub>v</sub> (in)	Spacing (in) oc	5 psf				7.5 psf				10 psf									
				L/120	Lbr	L/240	Lbr	L/360	Lbr	L/120	Lbr	L/240	Lbr	L/360	Lbr	L/120	Lbr	L/240	Lbr	L/360	Lbr
362S125-68	50	22.7	12	27' 7" d (63)	21' 11" d (86)	19' 2" d (104)	24' 1" d (58)	19' 2" d (78)	16' 9" d (94)	21' 11" d (55)	17' 5" d (73)	15' 2" d (88)	19' 11" d (52)	15' 10" d (69)	13' 10" d (82)	21' 11" d (55)	17' 5" d (73)	15' 2" d (88)	19' 11" d (52)	15' 10" d (69)	13' 10" d (82)
			16	25' 1" d (60)	19' 11" d (80)	17' 5" d (97)	21' 11" d (55)	17' 5" d (73)	15' 2" d (88)	19' 11" d (52)	15' 10" d (69)	13' 3" d (80)	17' 0" f (48)	13' 10" d (63)	12' 1" d (75)	17' 0" f (48)	13' 10" d (63)	12' 1" d (75)	17' 0" f (48)	13' 10" d (63)	12' 1" d (75)
			24	21' 11" d (55)	17' 5" d (73)	15' 2" d (88)	19' 2" d (58)	15' 2" d (67)	13' 3" d (80)	19' 2" d (58)	15' 2" d (67)	13' 3" d (80)	17' 0" f (48)	13' 10" d (63)	12' 1" d (75)	17' 0" f (48)	13' 10" d (63)	12' 1" d (75)	17' 0" f (48)	13' 10" d (63)	12' 1" d (75)
400S125-18	33	28.7	12	13' 9" e f (48)	13' 9" e f (48)	13' 7" e d (49)	11' 3" e f (48)	11' 3" e f (48)	11' 3" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	8' 5" e f (48)	8' 5" e f (48)	8' 5" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)
			16	11' 11" e f (48)	11' 11" e f (48)	11' 11" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)
			24	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)
400S125-27	33	28.5	12	18' 6" f (48)	17' 10" d (54)	15' 8" d (69)	15' 2" f (48)	15' 2" f (48)	13' 8" d (63)	13' 1" f (48)	13' 1" f (48)	12' 4" d (57)	13' 1" f (48)	13' 1" f (48)	11' 3" d (50)	13' 1" f (48)	13' 1" f (48)	13' 1" f (48)	13' 1" f (48)	13' 1" f (48)	11' 3" d (50)
			16	16' 1" f (48)	16' 1" f (48)	14' 2" d (65)	13' 1" f (48)	13' 1" f (48)	12' 4" d (57)	10' 8" f (48)	10' 8" f (48)	10' 8" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)
			24	13' 1" f (48)	13' 1" f (48)	12' 4" d (57)	10' 8" f (48)	10' 8" f (48)	10' 8" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)
400S125-30	33	28.5	12	19' 11" f (48)	18' 5" d (60)	16' 2" d (72)	16' 3" f (48)	16' 1" d (50)	14' 1" d (66)	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)	14' 1" f (48)	14' 1" f (48)	14' 1" f (48)	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)
			16	17' 3" f (48)	16' 9" d (53)	14' 8" d (68)	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)	11' 6" f (48)	11' 6" f (48)	11' 2" d (53)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	
			24	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)	11' 6" f (48)	11' 6" f (48)	11' 2" d (53)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	
400S125-33	33	28.4	12	21' 7" f (48)	19' 1" d (63)	16' 8" d (74)	17' 7" f (48)	16' 8" d (57)	14' 7" d (68)	15' 3" f (48)	15' 1" d (49)	13' 3" d (65)	13' 2" f (48)	13' 2" f (48)	12' 0" d (61)	15' 3" f (48)	15' 1" d (49)	13' 3" d (65)	13' 2" f (48)	13' 2" f (48)	12' 0" d (61)
			16	18' 8" f (48)	17' 4" d (59)	15' 2" d (70)	15' 3" f (48)	15' 1" d (49)	13' 3" d (65)	12' 5" f (48)	12' 5" f (48)	11' 7" d (59)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	
			24	15' 3" f (48)	15' 1" d (49)	13' 3" d (65)	12' 5" f (48)	12' 5" f (48)	11' 7" d (59)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	
400S125-43	33	28.2	12	25' 6" f (48)	20' 9" d (70)	18' 2" d (82)	20' 10" f (48)	18' 2" d (63)	15' 10" d (75)	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)	15' 8" f (48)	15' 0" d (54)	13' 1" d (67)	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)	15' 8" f (48)	15' 0" d (54)	13' 1" d (67)
			16	22' 1" f (48)	18' 10" d (65)	16' 6" d (77)	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)		
			24	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)	14' 9" f (48)	14' 5" d (51)	12' 7" d (65)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)		
400S125-54	50	22.7	12	28' 0" d (57)	22' 2" d (75)	19' 5" d (89)	24' 5" d (52)	19' 5" d (69)	16' 11" d (82)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)
			16	25' 5" d (53)	20' 2" d (71)	17' 8" d (84)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	18' 4" f (48)	15' 5" d (60)	13' 5" d (71)	15' 10" f (48)	14' 0" d (57)	12' 3" d (67)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)
			24	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	18' 4" f (48)	15' 5" d (60)	13' 5" d (71)	15' 10" f (48)	14' 0" d (57)	12' 3" d (67)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)
400S125-68	50	22.5	12	29' 10" d (61)	23' 8" d (82)	20' 8" d (98)	26' 1" d (56)	20' 8" d (75)	18' 1" d (90)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)
			16	27' 2" d (58)	21' 6" d (77)	18' 10" d (92)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	21' 6" d (50)	17' 1" d (66)	14' 11" d (79)	21' 6" d (50)	17' 1" d (66)	14' 11" d (79)	21' 6" d (50)	17' 1" d (66)	14' 11" d (79)	21' 6" d (50)	17' 1" d (66)	14' 11" d (79)
			24	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	20' 8" d (48)	16' 5" d (65)	14' 4" d (77)	20' 8" d (48)	16' 5" d (65)	14' 4" d (77)	18' 0" f (48)	14' 11" d (61)	13' 0" d (72)	18' 0" f (48)	14' 11" d (61)	13' 0" d (72)	18' 0" f (48)	14' 11" d (61)	13' 0" d (72)
550S125-27	33	27.9	12	23' 7" f (48)	22' 10" d (53)	20' 2" d (67)	19' 3" f (48)	19' 3" f (48)	17' 6" d (61)	16' 8" f (48)	16' 8" f (48)	15' 11" d (55)	14' 5" f (48)	14' 5" f (48)	14' 5" d (48)	16' 8" f (48)	16' 8" f (48)	15' 11" d (55)	14' 5" f (48)	14' 5" f (48)	14' 5" d (48)
			16	20' 5" f (48)	20' 5" f (48)	18' 3" d (63)	16' 8" f (48)	16' 8" f (48)	15' 11" d (55)	13' 7" f (48)	13' 7" f (48)	13' 7" f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	
			24	16' 8" f (48)	16' 8" f (48)	15' 11" d (55)	13' 7" f (48)	13' 7" f (48)	13' 7" f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	11' 9" e f (48)	
550S125-30	33	27.9	12	25' 5" f (48)	23' 9" d (58)	20' 10" d (69)	20' 9" f (48)	20' 8" d (48)	18' 2" d (64)	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)	15' 7" f (48)	15' 7" f (48)	14' 11" d (54)	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)	15' 7" f (48)	15' 7" f (48)	14' 11" d (54)
			16	22' 0" f (48)	21' 6" d (52)	18' 11" d (65)	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)	14' 8" f (48)	14' 8" f (48)	14' 4" d (52)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)		
			24	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)	14' 8" f (48)	14' 8" f (48)	14' 4" d (52)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)		
550S125-33	33	27.8	12	27' 6" f (48)	24' 8" d (61)	21' 6" d (72)	22' 5" f (48)	21' 6" d (55)	18' 10" d (66)	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)	16' 10" f (48)	16' 10" f (48)	15' 6" d (58)	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)	16' 10" f (48)	16' 10" f (48)	15' 6" d (58)
			16	23' 10" f (48)	22' 4" d (57)	19' 7" d (68)	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)	15' 10" f (48)	15' 10" f (48)	14' 11" d (57)	13' 9" f (48)	13' 9" f (48)	13' 6" d (51)	16' 10" f (48)	16' 10" f (48)	15' 6" d (58)	13' 9" f (48)	13' 9" f (48)	13' 6" d (51)
			24	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)	15' 10" f (48)	15' 10" f (48)	14' 11" d (57)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	
550S125-43	33	27.6	12	32' 7" f (48)	26' 10" d (66)	23' 5" d (76)	26' 8" f (48)	23' 5" d (61)	20' 5" d (71)	23' 1" f (48)	21' 3" d (67)	20' 5" d (71)	23' 1" f (48)	21' 3" d (67)	18' 7" d (64)	23' 1" f (48)	21' 3" d (67)	18' 7" d (64)	23' 1" f (48)	21' 3" d (67)	18' 7" d (64)
			16	28' 3" f (48)	24' 4" d (62)	21' 3" d (72)	23' 1" f (48)	21' 3" d (67)	18' 7" d (64)	18' 10" f (48)	18' 7" d (64)	16' 3" d (62)	16' 4" f (48)	16' 4" f (48)	14' 9" d (59)	20' 0" f (48)	19' 4" d (52)	16' 11" d (64)	16' 4" f (48)	16' 4" f (48)	14' 9" d (59)
			24	23' 1" f (48)	21' 3" d (67)	18' 7" d (64)	18' 10" f (48)	18' 7" d (64)	16' 3" d (62)	16' 4" f (48)	16' 4" f (48)	14' 9" d (59)	16' 4" f (48)	16' 4" f (48)	14' 9" d (59)	16' 4" f (48)	16' 4" f (48)	14' 9" d (59)	16' 4" f (48)	16' 4" f (48)	14' 9" d (59)
550S125-54	50	22.1	12	36' 2" d (53)	28' 9" d (69)	25' 1" d (80)	31' 7" d (50)	25' 1" d (64)	21' 11" d (74)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	24' 4" f (48)	20' 8" d (58)	18' 1" d (67)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	24' 4" f (48)	20' 8" d (58)	18' 1" d (67)
			16	32' 10" d (51)	26' 1" d (65)	22' 9" d (76)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	23' 0" f (48)	19' 11" d (65)	17' 5" d (65)	19' 11" f (48)	18' 1" d (53)	15' 10" d (62)	38' 8" d (55.8)	30' 8" d (73)	26' 10" d (86)	33		

# Curtain Wall Limiting Heights - Single Span



## Table Notes

- Listed span for "Double Span" tables is the distance from either end to the center of interior support, with the stud continuous past the interior support.
- Listed wind pressures represent calculated designed wind pressure (1.0 W based on 2009 or 0.6 W based on 2012 IBC or later ASD load combinations). For deflection calculations, listed wind pressures have been reduced by 0.70 as allowed by IBC. The 5 psf pressure has not been reduced for deflection checks.
- Studs must be braced against rotation and lateral movement at all supports. See typical bracing details on page 61.
- Studs are assumed to be adequately braced at a maximum spacing of  $L_u$  to develop full allowable moment.
- Web crippling check is based on 1" of bearing at end supports and 3" of bearing at interior support.
- Shear and web crippling capacity at end supports have **not** been reduced for punchouts. Shear and web crippling capacity at interior support have been reduced for the presence of punchout adjacent to the support.
- Combined bending and shear check at interior support is based on unreinforced web per AISI S100 (Eq. C3.3.1-1). Shear capacity and combined bending and shear check at interior support have been reduced for the presence of punchouts adjacent to support.
- See page 5 for additional table notes.

Section	Fy Spacing (ksi) (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf		
		L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
350S162-33	12	23' 9"	18' 10"	16' 5"	14' 8"	12' 10"	10' 10"	13' 0"	11' 8"	9' 10"	11' 8"	10' 10"	9' 2"	10' 8"	10' 2"	8' 7"	9' 10"e	9' 8"e	8' 2"	9' 2"e	9' 2"e	7' 10"	8' 3"e	8' 3"e	7' 3"e
	16	21' 7"	17' 1"	14' 11"	13' 0"	11' 8"	9' 10"	11' 3"	10' 7"	8' 11"	10' 1"e	9' 10"	8' 4"	9' 2"e	9' 2"e	7' 10"	8' 6"e	8' 6"e	7' 5"e	8' 0"e	8' 0"e	7' 1"e	7' 2"e	7' 2"e	6' 7"e
	24	18' 5"	14' 11"	13' 1"	10' 8"	10' 2"	8' 7"	9' 2"e	9' 2"e	7' 10"	8' 3"e	8' 3"e	7' 3"e	7' 6"e	7' 6"e	6' 10"e	7' 0"e	7' 0"e	6' 6"e	6' 6"e	6' 6"e	6' 2"e	5' 10"e	5' 10"e	5' 9"e
350S162-43	12	25' 10"	20' 6"	17' 11"	16' 0"	14' 0"	11' 9"	14' 6"	12' 8"	10' 8"	13' 6"	11' 9"	9' 11"	12' 6"	11' 1"	9' 4"	11' 7"	10' 6"	8' 1"	10' 10"	10' 1"	8' 6"	9' 8"	9' 4"	7' 11"
	16	23' 5"	18' 7"	16' 3"	14' 6"	12' 8"	10' 8"	13' 2"	11' 6"	9' 9"	11' 10"	10' 8"	9' 0"	10' 10"	10' 1"	8' 6"	10' 0"	9' 7"	8' 1"	9' 5"	9' 2"	7' 9"	8' 5"e	8' 5"e	7' 2"
	24	20' 6"	16' 3"	14' 2"	12' 6"	11' 1"	9' 4"	10' 10"	10' 1"	8' 6"	9' 8"	9' 4"	7' 11"	8' 10"	8' 10"	7' 5"	8' 2"e	8' 2"e	7' 1"	7' 8"e	7' 8"e	6' 9"	6' 10"e	6' 10"e	6' 3"e
350S162-54	12	27' 8"	21' 11"	19' 2"	17' 1"	15' 0"	12' 7"	15' 7"	13' 7"	11' 6"	14' 5"	12' 7"	10' 8"	13' 7"	11' 10"	10' 0"	12' 11"	11' 3"	9' 6"	12' 4"	10' 9"	9' 1"	11' 6"	10' 0"	8' 5"
	16	25' 1"	19' 11"	17' 5"	15' 7"	13' 7"	11' 6"	12' 4"	12' 4"	10' 5"	13' 1"	11' 6"	9' 8"	12' 4"	10' 9"	9' 8"	11' 9"	10' 3"	8' 8"	11' 3"	9' 10"	8' 3"	10' 5"	9' 1"	7' 8"
	24	21' 11"	17' 5"	15' 2"	13' 7"	11' 10"	10' 0"	12' 4"	10' 9"	9' 1"	11' 6"	10' 0"	8' 5"	10' 9"	9' 5"	7' 11"	10' 3"	8' 11"	7' 7"	9' 10"	8' 7"	7' 3"	9' 1"	7' 11"	6' 8"
350S162-68	12	29' 7"	23' 5"	20' 6"	18' 4"	16' 0"	13' 6"	16' 8"	14' 6"	12' 3"	15' 5"	13' 6"	11' 5"	14' 6"	12' 8"	10' 9"	13' 10"	12' 1"	10' 2"	13' 3"	11' 6"	9' 9"	12' 3"	10' 9"	9' 0"
	16	26' 10"	21' 4"	18' 7"	16' 8"	14' 6"	12' 3"	15' 1"	13' 3"	11' 2"	14' 0"	12' 3"	10' 4"	13' 3"	11' 6"	9' 9"	12' 7"	11' 0"	9' 3"	12' 0"	10' 6"	8' 10"	11' 2"	9' 9"	8' 3"
	24	23' 5"	18' 7"	16' 3"	14' 6"	12' 8"	10' 9"	13' 3"	11' 6"	9' 9"	12' 3"	10' 9"	9' 0"	11' 6"	10' 1"	8' 6"	11' 0"	9' 7"	8' 1"	10' 6"	9' 2"	7' 9"	9' 9"	8' 6"	7' 2"
362S137-33	12	23' 3"	18' 5"	16' 1"	14' 3"	12' 7"	10' 7"	12' 4"	11' 5"	9' 8"	11' 1"	10' 7"	8' 11"	10' 1"	10' 0"	8' 5"	9' 4"	9' 4"	8' 0"	8' 9"e	8' 9"e	7' 8"	7' 10"e	7' 10"e	7' 1"e
	16	21' 1"	16' 9"	14' 8"	12' 4"	11' 5"	9' 8"	10' 9"	10' 5"	8' 9"	9' 7"	9' 7"	8' 2"	8' 9"e	8' 9"e	7' 8"	8' 1"e	8' 1"e	7' 3"e	7' 7"e	7' 7"e	6' 11"e	6' 9"e	6' 9"e	6' 5"e
	24	17' 6"	14' 8"	12' 10"	10' 1"	10' 0"	8' 5"	8' 9"e	8' 9"e	7' 8"	7' 10"e	7' 10"e	7' 1"e	7' 2"e	7' 2"e	6' 8"e	6' 7"e	6' 7"e	6' 4"e	6' 2"e	6' 2"e	6' 1"e	5' 6"e	5' 6"e	5' 6"e
362S162-33	12	24' 4"	19' 4"	16' 11"	15' 1"	13' 2"	11' 1"	13' 3"	12' 0"	10' 1"	11' 11"	11' 1"	9' 5"	10' 10"	10' 6"	8' 10"	10' 0"e	9' 11"e	8' 5"	9' 5"e	9' 5"e	8' 0"	8' 5"e	8' 5"e	7' 5"e
	16	22' 2"	17' 7"	15' 4"	13' 3"	12' 0"	10' 1"	11' 6"	10' 11"	9' 2"	10' 3"e	10' 1"e	8' 6"	9' 5"e	9' 5"e	8' 0"	8' 8"e	8' 8"e	7' 7"e	8' 2"e	8' 2"e	7' 3"e	7' 3"e	6' 9"e	
	24	18' 9"	15' 4"	13' 5"	10' 10"	10' 6"	8' 10"	9' 5"e	9' 5"e	8' 0"	8' 5"e	8' 5"e	7' 5"e	7' 8"e	7' 8"e	7' 0"e	7' 1"e	7' 1"e	6' 8"e	6' 8"e	6' 8"e	6' 4"e	5' 11"e	5' 11"e	5' 11"e
362S200-33	12	25' 9"	20' 5"	17' 10"	15' 11"	13' 11"	11' 9"	13' 11"	12' 8"	10' 8"	12' 5"	11' 9"	9' 11"	11' 4"e	11' 1"e	9' 4"	10' 6"e	10' 6"e	8' 10"	9' 10"e	9' 10"e	8' 6"e	8' 10"e	8' 10"e	7' 10"e
	16	23' 4"	18' 7"	16' 2"	13' 11"	12' 8"	10' 8"	12' 1"	11' 6"	9' 8"	10' 9"e	10' 8"e	9' 0"	9' 10"e	9' 10"e	8' 10"e	9' 1"e	9' 1"e	8' 1"e	8' 6"e	8' 6"e	7' 8"e	7' 7"e	7' 7"e	7' 2"e
	24	19' 8"	16' 2"	14' 2"	11' 4"e	11' 1"e	9' 4"	9' 10"e	9' 10"e	8' 6"e	8' 10"e	8' 10"e	7' 10"e	8' 0"e	8' 0"e	7' 5"e	7' 5"e	7' 5"e	7' 0"e	7' 0"e	6' 9"e	6' 9"e	6' 3"e	6' 3"e	6' 3"e
362S137-43	12	25' 3"	20' 1"	17' 6"	15' 8"	13' 8"	11' 7"	14' 3"	12' 5"	10' 6"	13' 0"	11' 7"	9' 9"	11' 10"	10' 10"	9' 2"	11' 0"	10' 4"	8' 8"	10' 3"	9' 10"	8' 4"	9' 2"	9' 2"	7' 9"
	16	23' 0"	18' 3"	15' 11"	14' 3"	12' 5"	10' 6"	12' 7"	11' 4"	9' 6"	11' 3"	10' 6"	8' 10"	10' 3"	9' 10"	8' 4"	9' 6"	9' 5"	7' 11"	8' 11"	8' 11"	7' 7"	7' 11"	7' 11"	6' 7"e
	24	20' 1"	15' 11"	13' 11"	11' 10"	10' 10"	9' 2"	10' 3"	9' 10"	8' 1"	9' 2"	9' 2"	7' 9"	8' 5"	8' 5"	7' 3"	7' 9"	7' 9"	6' 7"	7' 3"e	7' 3"e	6' 9"	6' 6"e	6' 6"e	6' 2"e
362S162-43	12	26' 6"	21' 0"	18' 4"	16' 5"	14' 4"	12' 1"	14' 11"	13' 0"	11' 0"	13' 10"	12' 1"	10' 2"	12' 9"	11' 5"	9' 7"	11' 10"	10' 10"	9' 1"	11' 1"	10' 4"	8' 9"	9' 11"	9' 7"	8' 1"
	16	24' 1"	19' 1"	16' 8"	14' 11"	13' 0"	11' 0"	13' 7"	11' 10"	10' 0"	12' 1"	11' 0"	9' 3"	11' 1"	10' 4"	8' 9"	10' 3"	9' 10"	8' 3"	9' 7"	9' 5"	7' 11"	8' 7"e	8' 7"e	7' 4"
	24	21' 0"	16' 8"	14' 7"	12' 9"	11' 5"	9' 7"	11' 1"	10' 4"	8' 9"	9' 11"	9' 7"	8' 1"	9' 0"	9' 0"	7' 7"	8' 4"e	8' 4"e	7' 3"	7' 10"e	7' 10"e	6' 11"e	7' 0"e	7' 0"e	6' 5"e
362S200-43	12	28' 0"	22' 3"	19' 5"	17' 4"	15' 2"	12' 9"	15' 9"	13' 9"	11' 7"	14' 8"	12' 9"	10' 9"	13' 8"	12' 0"	10' 2"	12' 8"	11' 5"	9' 8"	11' 10"	10' 11"	9' 3"	10' 7"	10' 2"	8' 7"
	16	25' 5"	20' 2"	17' 8"	15' 9"	13' 9"	11' 7"	14' 4"	12' 6"	10' 7"	13' 0"	11' 7"	9' 10"	11' 10"	10' 11"	9' 3"	11' 0"	10' 5"	8' 9"	10' 3"	9' 11"	8' 4"	9' 2"e	9' 2"e	7' 9"
	24	22' 3"	17' 8"	15' 5"	13' 8"	12' 0"	10' 2"	11' 10"	10' 11"	9' 3"	10' 7"	10' 2"	8' 7"	9' 8"e	9' 7"e	8' 1"	9' 0"e	9' 0"e	7' 8"	8' 5"e	8' 5"e	7' 4"e	7' 6"e	7' 6"e	6' 9"e
362S137-54	12	27' 1"	21' 6"	18' 9"	16' 9"	14' 8"	12' 4"	15' 3"	13' 4"	11' 3"	14' 2"	12' 4"	10' 5"	13' 4"	11' 8"	9' 10"	12' 8"	11' 1"	9' 4"	12' 1"	10' 7"	8' 11"	11' 3"	9' 10"	8' 3"
	16	24' 7"	19' 6"	17' 1"	15' 3"	13' 4"	11' 3"	13' 10"	12' 1"	10' 2"	12' 10"	11' 3"	9' 16"	12' 1"	10' 7"	8' 11"	11' 6"	10' 0"	8' 6"	11' 0"	9' 7"	8' 1"	10' 2"	8' 11"	7' 6"
	24	21' 6"	17' 1"	14' 11"	13' 4"	11' 8"	9' 10"	12' 1"	10' 7"	8' 11"	11' 3"	9' 10"	8' 3"	10' 7"	9' 3"	7' 9"	10' 0"	8' 9"	7' 5"	9' 7"	8' 5"	7' 1"	8' 9"	7' 9"	6' 7"
362S162-54	12	28' 5"	22' 6"	19' 8"	17' 7"	15' 4"	13' 0"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"	14' 0"	12' 2"	10' 3"	13' 3"	11' 7"	9' 9"	12' 8"	11' 1"	9' 4"	11' 9"	10' 3"	8' 8"
	16	25' 10"	20' 6"	17' 11"	16' 0"	14' 0"	11' 9"	14' 6"	12' 8"	10' 8"	13' 6"	11' 9"	9' 11"	12' 8"	11' 1"	9' 4"	12' 1"	10' 6"	8' 11"	11' 6"	10' 1"	8' 6"	10' 8"	9' 4"	7' 11"
	24	22' 6"	17' 11"	15' 7"	14' 0"	12' 2"	10' 3"	12' 8"	11' 1"	9' 4"	11' 9"	10' 9"	8' 8"	11' 1"	9' 8"	8' 2"	10' 6"	9' 2"	7' 9"	10' 1"	8' 10"	7' 5"	9' 4"	8' 2"	6' 11"
362S200-54	12	30' 0"	23' 10"	20' 10"	18' 7"	16' 3"	13' 8"	16' 11"	14' 9"	12' 5"	15' 8"	13' 8"	11' 7"	14' 9"	12' 11"	10' 10"	14' 0"	12' 3"	10' 4"	13' 5"	11' 9"	9' 11"	12' 5"	10' 10"	9' 2"
	16	27' 3"	21' 8"	18' 11"	16' 11"	14' 9"	12' 5"	15' 4"	13' 5"	11' 4"	14' 3"	12' 5"	10' 6"	13' 5"	11' 9"	9' 11"	12' 9"	11' 2"	9' 5"	12' 2"	10' 8"	9' 0"	11' 4"	9' 11"	8' 4"
	24	23' 10"	18' 11"	16' 6"	14' 9"	12' 11"	10' 10"	13' 5"	11' 9"	9' 11"	12' 5"	10' 10"	9' 2"	11' 9"	10' 3"	8' 8"	11' 2"	9' 9"	8' 2"	10' 8"	9' 4"	7' 10"	9' 11"	8' 8"	7' 3"
362S137-68	12	28' 11"	22' 11"	20' 1"	17' 11"	15' 8"	13' 2"	16' 3"	14' 3"	12' 0"	15' 1"	13' 2"	11' 2"	14' 3"	12' 5"	10' 6"	13' 6								



# Curtain Wall Limiting Heights - Single Span

Section	Fy Spacing (ksi) (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf			
		L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	
400S137-43	33	12	27' 4"	21' 8"	18' 11"	16' 11"	14' 9"	12' 6"	15' 4"	13' 5"	11' 4"	13' 9"	12' 6"	10' 6"	12' 7"	11' 9"	9' 11"	11' 7"	11' 2"	9' 5"	10' 10"	10' 8"	9' 0"	9' 9"	9' 9"	8' 4"
		16	24' 10"	19' 8"	17' 2"	15' 4"	13' 5"	11' 4"	13' 4"	12' 2"	10' 4"	11' 11"	11' 4"	9' 7"	10' 10"	10' 8"	9' 0"	10' 1"	10' 1"	8' 6"	9' 5"	9' 5"	8' 2"	8' 5"	8' 5"	7' 7"
		24	21' 8"	17' 2"	15' 0"	12' 7"	11' 9"	9' 11"	10' 10"	10' 8"	9' 0"	9' 9"	9' 9"	8' 4"	8' 11"	8' 11"	7' 10"	8' 3"	8' 3"	7' 6"	7' 8"	7' 8"	7' 2"	6' 11"	6' 11"	6' 7"
400S162-43	33	12	28' 7"	22' 8"	19' 10"	17' 9"	15' 6"	13' 1"	16' 1"	14' 1"	11' 10"	14' 10"	13' 1"	11' 0"	13' 6"	12' 3"	10' 4"	12' 6"	11' 8"	9' 10"	11' 9"	11' 2"	9' 5"	10' 6"	10' 4"	8' 9"
		16	26' 0"	20' 7"	18' 0"	16' 1"	14' 1"	11' 10"	14' 4"	12' 9"	10' 9"	12' 10"	11' 10"	10' 0"	11' 9"	11' 2"	9' 5"	10' 10"	10' 7"	8' 11"	10' 2"	10' 2"	8' 7"	9' 1"	9' 1"	7' 11"
		24	22' 8"	18' 0"	15' 9"	13' 6"	12' 3"	10' 4"	11' 9"	11' 2"	9' 5"	10' 6"	10' 4"	8' 9"	9' 7"	9' 7"	8' 3"	8' 10"	8' 10"	7' 10"	8' 3"	8' 3"	7' 6"	7' 5"	7' 5"	6' 11"
400S200-43	33	12	30' 2"	23' 11"	20' 11"	18' 8"	16' 4"	13' 9"	17' 0"	14' 10"	12' 6"	15' 9"	13' 9"	11' 7"	14' 6"	13' 0"	10' 11"	13' 5"	12' 4"	10' 5"	12' 7"	11' 9"	9' 11"	11' 3"	10' 11"	9' 3"
		16	27' 5"	21' 9"	19' 0"	17' 0"	14' 10"	12' 6"	15' 4"	13' 6"	11' 4"	13' 9"	12' 6"	10' 7"	12' 7"	11' 9"	9' 11"	11' 7"	11' 2"	9' 5"	10' 10"	10' 8"	9' 0"	9' 9"	9' 9"	8' 5"
		24	23' 11"	19' 0"	16' 7"	14' 6"	13' 0"	10' 11"	12' 7"	11' 9"	9' 11"	11' 3"	10' 11"	9' 3"	10' 3"	10' 3"	8' 8"	9' 6"	9' 6"	8' 3"	8' 10"	8' 10"	7' 11"	7' 11"	7' 11"	7' 4"
400S137-54	50	12	29' 3"	23' 2"	20' 3"	18' 1"	15' 10"	13' 4"	16' 6"	14' 5"	12' 2"	15' 3"	13' 4"	11' 3"	14' 5"	12' 7"	10' 7"	13' 8"	11' 11"	10' 1"	13' 1"	11' 5"	9' 8"	12' 2"	10' 7"	8' 11"
		16	26' 7"	21' 1"	18' 5"	16' 6"	14' 5"	12' 2"	15' 0"	13' 1"	11' 0"	13' 11"	12' 2"	10' 3"	13' 1"	11' 5"	9' 8"	12' 5"	10' 10"	9' 2"	11' 10"	10' 4"	8' 9"	11' 0"	9' 8"	8' 1"
		24	23' 2"	18' 5"	16' 1"	14' 5"	12' 7"	10' 7"	13' 1"	11' 5"	9' 8"	12' 12"	10' 7"	8' 11"	11' 5"	10' 0"	8' 5"	10' 10"	9' 6"	8' 0"	10' 4"	9' 1"	7' 8"	9' 3"	8' 5"	7' 1"
400S162-54	50	12	30' 8"	24' 4"	21' 3"	19' 0"	16' 7"	14' 0"	17' 3"	15' 1"	12' 9"	16' 0"	14' 0"	11' 10"	15' 1"	13' 2"	11' 1"	14' 4"	12' 6"	10' 7"	13' 8"	12' 0"	10' 1"	12' 9"	11' 1"	9' 4"
		16	27' 10"	22' 1"	19' 4"	17' 3"	15' 1"	12' 9"	15' 8"	13' 8"	11' 7"	14' 7"	12' 9"	10' 9"	13' 8"	12' 0"	10' 1"	13' 0"	11' 4"	9' 7"	12' 5"	10' 10"	9' 2"	11' 7"	10' 1"	8' 6"
		24	24' 4"	19' 4"	16' 10"	15' 1"	13' 2"	11' 1"	13' 8"	12' 0"	10' 1"	12' 9"	11' 1"	9' 4"	12' 0"	10' 5"	8' 10"	11' 4"	9' 11"	8' 5"	10' 10"	9' 6"	8' 0"	10' 0"	8' 10"	7' 5"
400S200-54	50	12	32' 4"	25' 8"	22' 5"	20' 1"	17' 6"	14' 9"	18' 3"	15' 11"	13' 5"	16' 11"	14' 9"	12' 6"	15' 1"	13' 11"	11' 9"	15' 1"	13' 3"	11' 2"	14' 6"	12' 8"	10' 8"	13' 5"	11' 9"	9' 11"
		16	29' 5"	23' 4"	20' 5"	18' 3"	15' 11"	13' 5"	16' 7"	14' 6"	12' 2"	15' 4"	13' 5"	11' 4"	14' 6"	12' 8"	10' 8"	13' 9"	12' 0"	10' 1"	13' 2"	11' 6"	9' 8"	12' 2"	10' 8"	9' 0"
		24	25' 8"	20' 5"	17' 10"	15' 11"	13' 11"	11' 9"	14' 6"	12' 8"	10' 8"	13' 5"	11' 9"	9' 11"	12' 8"	11' 0"	9' 4"	12' 0"	10' 6"	8' 10"	11' 6"	10' 0"	8' 5"	10' 6"	9' 4"	7' 10"
400S137-68	50	12	31' 3"	24' 10"	21' 8"	19' 4"	16' 11"	14' 3"	17' 7"	15' 5"	13' 0"	16' 4"	14' 3"	12' 0"	15' 5"	13' 5"	11' 4"	14' 7"	12' 9"	10' 9"	14' 0"	12' 2"	10' 4"	13' 0"	11' 4"	9' 7"
		16	28' 5"	22' 7"	19' 8"	17' 0"	15' 5"	13' 0"	16' 0"	14' 0"	11' 9"	16' 4"	14' 0"	11' 9"	14' 3"	13' 0"	10' 11"	14' 5"	12' 2"	10' 4"	13' 3"	11' 7"	9' 9"	12' 8"	11' 1"	9' 4"
		24	24' 10"	19' 8"	17' 2"	15' 5"	13' 5"	11' 4"	14' 0"	12' 2"	10' 4"	13' 0"	11' 4"	9' 7"	12' 2"	10' 8"	9' 0"	11' 7"	10' 2"	8' 7"	11' 1"	9' 8"	8' 2"	10' 4"	9' 0"	7' 7"
400S162-68	50	12	32' 10"	26' 0"	22' 9"	20' 4"	17' 9"	15' 0"	18' 6"	16' 2"	13' 7"	17' 2"	15' 0"	12' 8"	16' 2"	14' 1"	11' 11"	15' 4"	13' 5"	11' 4"	14' 8"	12' 10"	10' 10"	13' 7"	11' 11"	10' 0"
		16	29' 10"	23' 8"	20' 8"	18' 6"	16' 2"	13' 7"	16' 9"	14' 8"	12' 4"	15' 7"	13' 7"	11' 6"	14' 8"	12' 10"	10' 10"	13' 11"	12' 2"	10' 3"	13' 4"	11' 8"	9' 10"	12' 4"	10' 10"	9' 1"
		24	26' 0"	20' 8"	18' 1"	16' 2"	14' 1"	11' 11"	14' 8"	12' 10"	10' 10"	13' 7"	11' 11"	10' 0"	13' 7"	11' 11"	9' 5"	12' 2"	10' 8"	9' 0"	11' 8"	10' 2"	8' 7"	10' 10"	9' 5"	8' 0"
400S200-68	50	12	34' 8"	27' 6"	24' 0"	21' 6"	18' 9"	15' 10"	19' 6"	17' 1"	14' 5"	18' 1"	15' 10"	13' 4"	17' 1"	14' 11"	12' 7"	16' 2"	14' 2"	11' 11"	15' 6"	13' 6"	11' 5"	14' 5"	12' 7"	10' 7"
		16	31' 6"	25' 0"	21' 10"	19' 6"	17' 1"	14' 5"	17' 9"	15' 6"	13' 1"	16' 6"	14' 5"	12' 2"	15' 6"	13' 6"	11' 5"	14' 9"	12' 10"	10' 10"	14' 1"	12' 4"	10' 4"	13' 1"	11' 5"	9' 8"
		24	27' 6"	21' 10"	19' 10"	17' 1"	14' 11"	12' 7"	15' 6"	13' 6"	11' 5"	14' 5"	12' 7"	10' 7"	13' 6"	11' 10"	10' 0"	12' 10"	11' 3"	9' 6"	12' 4"	10' 9"	9' 1"	11' 5"	10' 9"	8' 5"
550S162-33	33	12	33' 8"	26' 9"	23' 4"	19' 7"	18' 3"	15' 5"	16' 11"	16' 7"	14' 0"	15' 2"	15' 2"	13' 0"	13' 0"	13' 0"	12' 3"	12' 10"	12' 10"	11' 7"	12' 0"	12' 0"	11' 1"	10' 9"	10' 9"	10' 4"
		16	29' 4"	24' 4"	21' 3"	16' 11"	16' 7"	14' 0"	14' 8"	14' 8"	12' 8"	13' 2"	13' 2"	11' 9"	12' 0"	12' 0"	11' 1"	11' 1"	11' 1"	10' 6"	10' 5"	10' 5"	10' 1"	9' 3"	9' 3"	9' 3"
		24	24' 0"	21' 3"	18' 6"	13' 10"	13' 10"	12' 3"	12' 0"	12' 0"	11' 1"	10' 9"	10' 9"	10' 4"	9' 9"	9' 9"	9' 8"	9' 1"	9' 1"	9' 1"	8' 6"	8' 6"	8' 6"	7' 7"	7' 7"	7' 7"
550S162-43	33	12	36' 8"	29' 1"	25' 5"	22' 9"	19' 10"	16' 9"	20' 8"	18' 1"	15' 3"	18' 9"	16' 9"	14' 2"	17' 1"	15' 9"	13' 4"	15' 10"	15' 0"	12' 8"	14' 10"	14' 4"	12' 1"	13' 3"	13' 3"	11' 3"
		16	33' 4"	26' 5"	23' 1"	20' 8"	18' 1"	15' 3"	18' 1"	16' 5"	13' 10"	13' 8"	15' 3"	12' 10"	14' 10"	14' 4"	12' 1"	13' 8"	13' 7"	11' 6"	12' 10"	12' 10"	11' 0"	11' 6"	11' 6"	10' 2"
		24	29' 1"	23' 1"	20' 2"	17' 1"	15' 9"	13' 4"	14' 10"	14' 4"	12' 1"	13' 3"	13' 3"	11' 3"	12' 1"	12' 1"	10' 7"	11' 2"	11' 2"	10' 0"	10' 6"	10' 6"	9' 7"	9' 4"	9' 4"	8' 11"
550S162-54	50	12	39' 4"	31' 3"	27' 3"	24' 5"	21' 4"	18' 0"	22' 2"	19' 4"	16' 4"	20' 7"	18' 0"	15' 2"	19' 4"	16' 11"	14' 3"	18' 5"	16' 1"	13' 7"	17' 7"	15' 4"	13' 0"	16' 4"	14' 3"	12' 0"
		16	35' 9"	28' 5"	24' 9"	22' 2"	19' 4"	16' 4"	20' 2"	17' 7"	14' 10"	18' 8"	16' 4"	13' 9"	17' 7"	15' 4"	13' 0"	16' 8"	14' 7"	12' 4"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"
		24	31' 3"	24' 9"	21' 8"	22' 4"	16' 11"	14' 3"	17' 7"	15' 4"	13' 0"	16' 4"	14' 3"	12' 0"	15' 4"	13' 5"	11' 4"	14' 7"	12' 9"	10' 9"	14' 0"	12' 2"	10' 3"	12' 6"	11' 4"	9' 7"
550S162-68	50	12	42' 2"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 9"	20' 9"	17' 6"	22' 1"	19' 3"	16' 3"	20' 9"	18' 2"	15' 3"	19' 9"	17' 3"	14' 6"	18' 10"	16' 6"	13' 11"	17' 6"	15' 3"	12' 11"
		16	38' 4"	30' 5"	26' 7"	23' 9"	20' 9"	17' 6"	21' 7"	18' 10"	15' 11"	20' 0"	17' 6"	14' 9"	18' 10"	16' 6"	13' 11"	17' 11"	15' 8"	13' 2"	17' 2"	15' 0"	12' 7"	15' 11"	13' 11"	11' 9"
		24	33' 6"	26' 7"	23' 3"	20' 9"	18' 2"	15' 3"	18' 10"	16' 6"	13' 11"	17' 6"	15' 3"	12' 11"	16' 6"	14' 5"	12' 2"	15' 8"	13' 8"	11' 6"	15' 0"	13' 1"	11' 0"	13' 11"	12' 2"	10' 3"
600S137-33	33	12	33' 0"	27' 6"	24' 0"	19' 1"	18' 9"	15' 10"	16' 6"	16' 6"	14' 0"	14' 9"	14' 9"	13' 4"	13' 6"	13' 6"	12' 7"	12' 6"	12' 6"	11' 11"	11' 8"	11' 8"	11' 5"	10' 5"	10' 5"	10' 5"
		16	28' 7"	24' 11"	21' 10"	16' 6"	16' 6"	14' 4"	14' 4"	14' 4"	13' 1"	12' 10"	12' 10"	12' 1"	11' 8"	11' 8"	11' 5"	10' 10"	10' 10"	10' 10"	10' 1"	10' 1"	10' 1"	9' 1"	9' 1"	9' 1"
		24	23'																							



# Curtain Wall Limiting Heights - Single Span



Section	Fy Spacing (ksi) (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf		
		L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
600S200-68	12	47' 7"	37' 9"	33' 0"	29' 6"	25' 9"	21' 9"	26' 9"	23' 5"	19' 9"	24' 10"	21' 9"	18' 4"	23' 5"	20' 5"	17' 3"	22' 3"	19' 5"	16' 4"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"
	16	43' 2"	34' 3"	29' 11"	26' 9"	23' 5"	19' 9"	24' 4"	21' 3"	17' 11"	22' 7"	19' 9"	16' 8"	21' 3"	18' 7"	15' 8"	20' 2"	17' 8"	14' 11"	19' 4"	16' 10"	14' 3"	17' 11"	15' 8"	13' 2"
	24	37' 9"	29' 11"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	18' 7"	16' 3"	13' 8"	17' 8"	15' 5"	13' 0"	16' 10"	14' 9"	12' 5"	15' 8"	13' 8"	11' 6"
600S137-97	12	47' 11"	38' 0"	33' 2"	29' 8"	25' 11"	21' 10"	27' 0"	23' 7"	19' 10"	25' 0"	21' 10"	18' 5"	23' 7"	20' 7"	17' 4"	22' 5"	19' 7"	16' 6"	21' 5"	18' 7"	15' 9"	19' 10"	17' 4"	14' 8"
	16	43' 6"	34' 6"	30' 2"	27' 0"	23' 7"	19' 10"	24' 6"	21' 5"	18' 1"	22' 9"	19' 10"	16' 9"	21' 5"	18' 8"	15' 9"	20' 4"	17' 9"	15' 0"	19' 5"	17' 0"	14' 4"	18' 1"	15' 9"	13' 4"
	24	38' 0"	30' 2"	26' 4"	23' 7"	20' 7"	17' 4"	21' 5"	18' 8"	15' 9"	19' 10"	17' 4"	14' 8"	18' 8"	16' 4"	13' 9"	17' 9"	15' 6"	13' 1"	17' 0"	14' 10"	12' 6"	15' 9"	13' 9"	11' 7"
600S162-97	12	50' 1"	39' 9"	34' 9"	31' 1"	27' 2"	22' 11"	28' 3"	24' 8"	20' 9"	26' 2"	22' 11"	19' 4"	24' 8"	21' 6"	18' 2"	23' 5"	20' 5"	17' 3"	22' 5"	19' 7"	16' 6"	20' 9"	18' 2"	15' 4"
	16	45' 6"	36' 2"	31' 7"	28' 3"	24' 8"	20' 9"	25' 8"	22' 5"	18' 11"	23' 10"	20' 9"	17' 6"	22' 5"	19' 7"	16' 6"	21' 3"	18' 7"	15' 8"	20' 4"	17' 9"	15' 0"	18' 11"	16' 6"	13' 11"
	24	39' 9"	31' 7"	27' 7"	24' 8"	21' 6"	18' 2"	22' 5"	19' 7"	16' 6"	20' 9"	18' 2"	15' 4"	19' 7"	17' 1"	14' 5"	18' 7"	16' 3"	13' 8"	17' 9"	15' 6"	13' 1"	16' 6"	14' 5"	12' 2"
600S200-97	12	52' 10"	41' 11"	36' 7"	32' 9"	28' 7"	24' 1"	29' 9"	26' 0"	21' 11"	27' 7"	24' 1"	20' 4"	26' 0"	22' 8"	19' 2"	24' 8"	21' 7"	18' 2"	23' 7"	20' 7"	17' 5"	21' 11"	19' 2"	16' 2"
	16	48' 0"	38' 1"	33' 3"	29' 9"	26' 0"	21' 11"	27' 0"	23' 7"	19' 11"	25' 1"	21' 11"	18' 6"	23' 7"	20' 7"	17' 5"	22' 5"	19' 7"	16' 6"	21' 5"	18' 9"	15' 10"	19' 11"	17' 5"	14' 8"
	24	41' 11"	33' 3"	29' 1"	26' 0"	22' 8"	19' 2"	23' 7"	20' 7"	17' 5"	21' 11"	19' 2"	16' 2"	20' 7"	18' 0"	15' 2"	19' 7"	17' 1"	14' 5"	18' 9"	16' 4"	13' 10"	17' 5"	15' 2"	12' 10"
600S162-118	12	52' 11"	42' 0"	36' 8"	32' 10"	28' 8"	24' 2"	29' 10"	26' 0"	21' 11"	27' 8"	24' 2"	20' 5"	26' 0"	22' 9"	19' 2"	24' 9"	21' 7"	18' 3"	23' 8"	20' 8"	17' 5"	21' 11"	19' 2"	16' 2"
	16	48' 1"	38' 2"	33' 4"	29' 10"	26' 0"	21' 11"	27' 1"	23' 8"	19' 11"	25' 2"	21' 11"	18' 6"	23' 8"	20' 8"	17' 5"	22' 6"	19' 8"	16' 7"	21' 6"	18' 9"	15' 10"	19' 11"	17' 5"	14' 8"
	24	42' 0"	33' 4"	29' 1"	26' 0"	22' 9"	19' 2"	23' 8"	20' 8"	17' 5"	21' 11"	19' 2"	16' 2"	20' 8"	18' 1"	15' 3"	19' 8"	17' 2"	14' 6"	18' 9"	16' 5"	13' 10"	17' 5"	15' 3"	12' 10"
600S200-118	12	55' 10"	44' 4"	38' 9"	34' 7"	30' 3"	25' 6"	31' 5"	27' 6"	23' 2"	29' 2"	25' 6"	23' 2"	29' 2"	25' 6"	23' 2"	26' 1"	22' 10"	19' 3"	25' 0"	21' 10"	18' 5"	23' 2"	20' 3"	17' 1"
	16	50' 9"	40' 3"	35' 2"	31' 5"	27' 6"	23' 2"	28' 7"	25' 0"	21' 1"	26' 6"	23' 2"	19' 7"	25' 0"	21' 10"	18' 5"	23' 9"	20' 9"	17' 6"	22' 8"	19' 10"	16' 9"	21' 1"	18' 5"	15' 6"
	24	44' 4"	35' 2"	30' 9"	27' 6"	24' 0"	20' 3"	25' 0"	21' 10"	18' 5"	23' 2"	20' 3"	17' 1"	21' 10"	19' 1"	16' 1"	20' 9"	18' 1"	15' 3"	19' 10"	17' 4"	14' 7"	18' 5"	16' 1"	13' 7"
800S137-43	12	45' 10"	37' 10"	33' 1"	26' 6"	25' 10"	21' 9"	22' 11"	22' 11"	19' 9"	20' 6"	20' 6"	18' 4"	18' 9"	18' 9"	17' 3"	17' 4"	17' 4"	16' 5"	16' 3"	16' 3"	15' 8"	14' 6"	14' 6"	14' 6"
	16	39' 9"	34' 4"	30' 0"	22' 11"	22' 11"	19' 9"	19' 10"	19' 10"	18' 0"	17' 9"	17' 9"	16' 8"	16' 3"	16' 3"	15' 8"	15' 0"	15' 0"	14' 11"	14' 1"	14' 1"	14' 1"	12' 7"	12' 7"	12' 7"
	24	32' 5"	29' 11"	26' 3"	18' 9"	18' 9"	17' 3"	16' 3"	16' 3"	15' 8"	14' 6"	14' 6"	14' 6"	13' 3"	13' 3"	13' 3"	12' 3"	12' 3"	12' 3"	11' 6"	11' 6"	11' 6"	10' 3"	10' 3"	10' 3"
800S162-43	12	49' 2"	39' 4"	34' 4"	28' 6"	26' 10"	22' 7"	24' 9"	24' 4"	20' 7"	22' 1"	22' 1"	19' 1"	20' 2"	20' 2"	17' 11"	18' 8"	18' 8"	17' 1"	17' 6"	17' 6"	16' 4"	15' 8"	15' 8"	15' 2"
	16	42' 10"	35' 8"	31' 2"	24' 9"	24' 4"	20' 7"	21' 5"	21' 5"	18' 8"	19' 2"	19' 2"	17' 4"	17' 6"	17' 6"	16' 4"	16' 2"	16' 2"	15' 6"	15' 2"	15' 2"	14' 10"	13' 6"	13' 6"	13' 6"
	24	34' 11"	31' 1"	27' 3"	20' 2"	20' 2"	17' 11"	17' 6"	17' 6"	16' 4"	15' 8"	15' 8"	15' 2"	14' 3"	14' 3"	14' 3"	13' 3"	13' 3"	13' 3"	12' 4"	12' 4"	12' 4"	11' 1"	11' 1"	11' 1"
800S200-43	12	51' 10"	41' 1"	35' 11"	30' 6"	28' 1"	23' 8"	26' 5"	25' 6"	21' 6"	23' 8"	23' 8"	19' 11"	21' 7"	21' 7"	18' 9"	20' 0"	20' 0"	17' 10"	18' 8"	18' 8"	17' 1"	16' 9"	16' 9"	15' 10"
	16	45' 10"	37' 4"	32' 8"	26' 5"	25' 6"	21' 6"	22' 11"	22' 11"	19' 6"	20' 6"	20' 6"	18' 2"	18' 8"	18' 8"	17' 1"	17' 4"	17' 4"	16' 2"	16' 2"	16' 2"	15' 6"	14' 6"	14' 6"	14' 5"
	24	37' 5"	32' 8"	28' 6"	21' 7"	21' 7"	18' 9"	18' 8"	18' 8"	17' 1"	16' 9"	16' 9"	15' 10"	15' 3"	15' 3"	14' 11"	14' 2"	14' 2"	14' 2"	13' 3"	13' 3"	13' 3"	11' 10"	11' 10"	11' 10"
800S137-54	12	51' 2"	40' 7"	35' 6"	31' 9"	27' 8"	23' 4"	28' 10"	25' 2"	21' 3"	26' 9"	23' 4"	19' 9"	25' 2"	22' 0"	18' 7"	23' 3"	20' 11"	17' 7"	21' 9"	20' 0"	16' 10"	15' 9"	18' 7"	15' 8"
	16	46' 5"	36' 11"	32' 3"	28' 10"	25' 2"	21' 3"	26' 2"	22' 10"	19' 3"	23' 10"	21' 3"	17' 11"	21' 9"	20' 0"	16' 10"	20' 2"	19' 0"	16' 0"	18' 10"	18' 2"	15' 4"	16' 10"	16' 10"	14' 3"
	24	40' 6"	32' 3"	28' 2"	25' 2"	22' 0"	18' 7"	21' 9"	20' 0"	16' 10"	19' 6"	18' 7"	15' 8"	17' 9"	17' 5"	14' 9"	16' 6"	16' 6"	14' 0"	15' 5"	15' 5"	13' 4"	13' 9"	13' 9"	12' 5"
800S162-54	12	53' 2"	42' 3"	36' 10"	33' 0"	28' 10"	24' 3"	29' 11"	26' 2"	22' 1"	27' 10"	24' 3"	20' 6"	26' 2"	22' 10"	19' 3"	24' 10"	21' 9"	18' 4"	23' 5"	20' 9"	17' 6"	20' 11"	19' 3"	16' 3"
	16	48' 4"	38' 4"	33' 6"	29' 11"	26' 2"	22' 1"	27' 11"	23' 9"	20' 1"	25' 3"	22' 1"	18' 7"	23' 5"	20' 9"	17' 6"	21' 8"	19' 9"	16' 8"	20' 3"	18' 10"	15' 11"	18' 11"	17' 6"	14' 9"
	24	42' 1"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 5"	20' 9"	17' 6"	20' 11"	19' 3"	16' 3"	19' 1"	18' 2"	15' 4"	17' 8"	17' 3"	14' 6"	16' 6"	16' 6"	13' 11"	14' 9"	14' 9"	12' 11"
800S200-54	12	55' 8"	44' 2"	38' 7"	34' 6"	30' 2"	25' 5"	31' 4"	27' 5"	23' 1"	29' 1"	25' 5"	21' 5"	27' 5"	23' 11"	20' 2"	26' 0"	22' 9"	19' 2"	24' 10"	21' 9"	18' 4"	22' 4"	20' 2"	17' 0"
	16	50' 7"	40' 2"	35' 1"	31' 4"	27' 5"	23' 1"	28' 6"	24' 10"	21' 0"	26' 5"	23' 1"	19' 6"	24' 10"	21' 9"	18' 4"	23' 1"	20' 8"	17' 5"	21' 7"	19' 9"	16' 8"	19' 4"	18' 4"	15' 5"
	24	44' 2"	35' 1"	30' 8"	29' 11"	23' 11"	20' 2"	24' 10"	21' 9"	18' 4"	22' 4"	20' 2"	17' 0"	22' 5"	19' 0"	16' 0"	18' 10"	18' 0"	15' 2"	15' 9"	15' 9"	14' 7"	15' 9"	15' 9"	13' 6"
800S137-68	12	54' 11"	43' 7"	38' 1"	34' 0"	29' 9"	25' 1"	30' 11"	27' 0"	22' 9"	28' 8"	25' 1"	21' 2"	27' 0"	23' 7"	19' 11"	25' 8"	22' 5"	18' 11"	24' 6"	21' 5"	18' 1"	22' 9"	19' 11"	16' 9"
	16	49' 10"	39' 7"	34' 7"	30' 11"	27' 0"	22' 9"	28' 1"	24' 6"	20' 8"	26' 1"	22' 9"	19' 2"	24' 6"	21' 5"	18' 1"	23' 4"	20' 4"	17' 2"	22' 3"	19' 6"	16' 5"	19' 11"	18' 1"	15' 3"
	24	43' 7"	34' 7"	30' 2"	27' 0"	23' 7"	19' 11"	24' 6"	21' 5"	18' 1"	22' 9"	19' 11"	16' 9"	22' 9"	19' 11"	16' 9"	19' 5"	15' 9"	15' 0"	18' 2"	17' 0"	14' 4"	16' 3"	15' 9"	13' 4"
800S162-68	12	57' 1"	45' 4"	39' 7"	35' 4"	30' 11"	26' 1"	32' 2"	28' 1"	23' 8"	29' 10"	26' 1"	22' 0"	28' 1"	24' 9"	20' 8"	26' 8"	23' 4"	19' 8"	25' 6"	22' 3"	18' 10"	23' 8"	20' 8"	17' 5"
	16	51' 10"	41' 2"	35' 11"	32' 2"	28' 1"	23' 8"	29' 2"	25' 6"	21' 6"	27' 1"	23' 8"	20' 0"	25' 6"	22' 3"	18' 10"	24' 3"	21' 2"	17' 10"	23' 2"	20' 3"	17' 1"	21' 3"	18' 10"	15' 10"
	24</																								



# Curtain Wall Limiting Heights - Double Span

Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf		
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
350S162-33	33	12	25' 10"	25' 3"	22' 0"	14' 9"	14' 9"	14' 6"	12' 8"	12' 8"	12' 8"	11' 3"	11' 3"	11' 3"	10' 2"	10' 2"	10' 2"	9' 4"	9' 4"	9' 4"	8' 8"	8' 8"	8' 8"	7' 8"	7' 8"	7' 8"
		16	22' 4"	22' 4"	20' 0"	12' 8"	12' 8"	12' 8"	10' 10"	10' 10"	10' 10"	9' 8"	9' 8"	9' 8"	8' 8"	8' 8"	8' 8"	8' 0"	8' 0"	8' 0"	7' 5"	7' 5"	7' 5"	6' 6"	6' 6"	6' 6"
		24	18' 2"	18' 2"	17' 6"	10' 2"	10' 2"	10' 2"	8' 8"	8' 8"	8' 8"	7' 8"	7' 8"	7' 8"	6' 11"	6' 11"	6' 11"	6' 4"	6' 4"	6' 4"	5' 10"	5' 10"	5' 10"	5' 1"	5' 1"	5' 1"
350S162-43	33	12	30' 6"	27' 5"	24' 0"	17' 5"	17' 5"	15' 9"	15' 0"	15' 0"	14' 4"	13' 4"	13' 4"	12' 1"	12' 1"	12' 1"	11' 2"	11' 2"	11' 2"	10' 4"	10' 4"	10' 4"	9' 2"	9' 2"	9' 2"	
		16	26' 4"	24' 11"	21' 9"	15' 0"	15' 0"	14' 4"	12' 10"	12' 10"	12' 10"	11' 5"	11' 5"	11' 5"	10' 4"	10' 4"	10' 4"	9' 6"	9' 6"	9' 6"	8' 10"	8' 10"	8' 10"	7' 9"	7' 9"	7' 9"
		24	21' 5"	21' 5"	19' 0"	12' 1"	12' 1"	12' 1"	10' 4"	10' 4"	10' 4"	9' 2"	9' 2"	9' 2"	8' 3"	8' 3"	8' 3"	7' 7"	7' 7"	7' 7"	7' 0"	7' 0"	7' 0"	6' 1"	6' 1"	6' 1"
350S162-54	50	12	37' 0"	29' 5"	25' 8"	22' 1"	20' 1"	16' 11"	20' 3"	18' 3"	15' 4"	18' 0"	16' 11"	14' 3"	16' 4"	15' 11"	13' 5"	15' 1"	15' 1"	12' 9"	14' 1"	14' 1"	12' 2"	12' 5"	12' 5"	11' 4"
		16	33' 8"	26' 9"	23' 4"	20' 3"	18' 3"	15' 4"	17' 5"	16' 7"	14' 0"	15' 6"	15' 4"	13' 0"	14' 1"	14' 1"	12' 2"	12' 11"	12' 11"	11' 7"	12' 0"	12' 0"	11' 1"	10' 7"	10' 7"	10' 3"
		24	28' 11"	23' 4"	20' 5"	16' 4"	15' 11"	13' 5"	14' 1"	14' 1"	12' 2"	12' 5"	12' 5"	11' 4"	11' 3"	10' 8"	10' 4"	10' 4"	10' 1"	9' 7"	9' 7"	9' 7"	8' 5"	8' 5"	8' 5"	
350S162-68	50	12	39' 7"	31' 5"	27' 6"	24' 7"	21' 5"	18' 1"	22' 4"	19' 6"	16' 5"	20' 3"	18' 1"	15' 3"	18' 4"	17' 0"	14' 4"	16' 11"	16' 2"	13' 8"	15' 8"	15' 6"	13' 1"	13' 10"	13' 10"	12' 1"
		16	36' 0"	28' 7"	24' 1"	22' 4"	19' 6"	16' 5"	19' 7"	17' 8"	14' 11"	17' 4"	16' 5"	13' 10"	15' 8"	15' 6"	13' 1"	14' 5"	14' 5"	12' 5"	13' 4"	13' 4"	11' 10"	11' 9"	11' 9"	11' 0"
		24	31' 5"	24' 11"	21' 10"	18' 4"	17' 0"	14' 4"	15' 8"	15' 6"	13' 1"	13' 10"	13' 10"	12' 1"	12' 6"	12' 6"	11' 5"	11' 5"	10' 10"	10' 6"	10' 6"	10' 4"	9' 2"	9' 2"	9' 2"	
362S137-33	33	12	24' 7"	24' 7"	21' 7"	14' 1"	14' 1"	14' 1"	12' 1"	12' 1"	12' 1"	10' 9"	10' 9"	10' 9"	9' 9"	9' 9"	9' 9"	9' 0"	9' 0"	9' 0"	8' 4"	8' 4"	8' 4"	7' 5"	7' 5"	7' 5"
		16	21' 3"	21' 3"	19' 8"	12' 1"	12' 1"	12' 1"	10' 5"	10' 5"	10' 5"	9' 3"	9' 3"	9' 3"	8' 4"	8' 4"	8' 4"	7' 8"	7' 8"	7' 8"	7' 2"	7' 2"	7' 2"	6' 4"	6' 4"	6' 4"
		24	17' 4"	17' 4"	17' 2"	9' 9"	9' 9"	9' 9"	8' 4"	8' 4"	8' 4"	7' 5"	7' 5"	7' 5"	6' 8"	6' 8"	6' 8"	6' 1"	6' 1"	6' 1"	5' 8"	5' 8"	5' 8"	5' 0"	5' 0"	5' 0"
362S162-33	33	12	26' 5"	25' 11"	22' 8"	15' 1"	15' 1"	14' 11"	12' 11"	12' 11"	12' 11"	11' 6"	11' 6"	11' 6"	10' 5"	10' 5"	10' 5"	9' 7"	9' 7"	9' 7"	8' 1"	8' 1"	8' 1"	7' 11"	7' 11"	7' 11"
		16	22' 10"	22' 10"	20' 7"	12' 11"	12' 11"	12' 11"	11' 1"	11' 1"	11' 1"	9' 10"	9' 10"	9' 10"	8' 11"	8' 11"	8' 11"	8' 2"	8' 2"	8' 2"	7' 7"	7' 7"	7' 7"	6' 8"	6' 8"	6' 8"
		24	18' 7"	18' 7"	18' 0"	10' 5"	10' 5"	10' 5"	8' 11"	8' 11"	8' 11"	7' 11"	7' 11"	7' 11"	7' 1"	7' 1"	7' 1"	6' 6"	6' 6"	6' 6"	6' 0"	6' 0"	6' 0"	5' 3"	5' 3"	5' 3"
362S200-33	33	12	27' 8"	27' 4"	23' 11"	15' 9"	15' 9"	15' 9"	13' 6"	13' 6"	13' 6"	12' 0"	12' 0"	12' 0"	10' 11"	10' 11"	10' 11"	10' 0"	10' 0"	10' 0"	9' 4"	9' 4"	9' 4"	8' 3"	8' 3"	8' 3"
		16	23' 11"	23' 11"	21' 9"	13' 6"	13' 6"	13' 6"	11' 7"	11' 7"	11' 7"	10' 4"	10' 4"	10' 4"	9' 4"	9' 4"	9' 4"	8' 6"	8' 6"	8' 6"	7' 11"	7' 11"	7' 11"	6' 11"	6' 11"	6' 11"
		24	19' 5"	19' 5"	19' 0"	10' 11"	10' 11"	10' 11"	9' 4"	9' 4"	9' 4"	8' 3"	8' 3"	8' 3"	7' 5"	7' 5"	7' 5"	6' 9"	6' 9"	6' 9"	6' 3"	6' 3"	6' 3"	5' 5"	5' 5"	5' 5"
362S137-43	33	12	28' 11"	26' 11"	23' 6"	16' 6"	16' 6"	15' 6"	14' 3"	14' 3"	14' 1"	12' 8"	12' 8"	12' 8"	11' 6"	11' 6"	11' 6"	10' 8"	10' 8"	10' 8"	9' 11"	9' 11"	9' 11"	8' 9"	8' 9"	8' 9"
		16	25' 0"	24' 5"	21' 4"	14' 3"	14' 3"	14' 1"	12' 3"	12' 3"	12' 3"	10' 11"	10' 11"	10' 11"	9' 11"	9' 11"	9' 11"	9' 1"	9' 1"	9' 1"	8' 6"	8' 6"	8' 6"	7' 6"	7' 6"	7' 6"
		24	20' 4"	20' 4"	18' 8"	11' 6"	11' 6"	11' 6"	9' 11"	9' 11"	9' 11"	8' 9"	8' 9"	8' 9"	7' 11"	7' 11"	7' 11"	7' 3"	7' 3"	7' 3"	6' 9"	6' 9"	6' 9"	6' 1"	6' 1"	6' 1"
362S162-43	33	12	31' 2"	28' 2"	24' 8"	17' 9"	17' 9"	16' 3"	15' 4"	15' 4"	14' 9"	13' 8"	13' 8"	13' 8"	12' 5"	12' 5"	12' 5"	11' 5"	11' 5"	11' 5"	10' 7"	10' 7"	10' 7"	9' 5"	9' 5"	9' 5"
		16	26' 11"	25' 7"	22' 5"	15' 4"	15' 4"	14' 9"	13' 2"	13' 2"	13' 2"	11' 8"	11' 8"	11' 8"	10' 7"	10' 7"	10' 7"	9' 9"	9' 9"	9' 9"	9' 1"	9' 1"	9' 1"	8' 0"	8' 0"	8' 0"
		24	21' 11"	21' 11"	19' 7"	12' 5"	12' 5"	12' 5"	10' 7"	10' 7"	10' 7"	9' 5"	9' 5"	9' 5"	8' 6"	8' 6"	8' 6"	7' 9"	7' 9"	7' 9"	7' 2"	7' 2"	7' 2"	6' 4"	6' 4"	6' 4"
362S200-43	33	12	33' 4"	29' 9"	26' 0"	19' 0"	19' 0"	17' 2"	16' 4"	16' 4"	15' 7"	14' 7"	14' 7"	14' 5"	13' 2"	13' 2"	13' 2"	12' 2"	12' 2"	12' 2"	11' 4"	11' 4"	11' 4"	10' 0"	10' 0"	10' 0"
		16	28' 10"	27' 1"	23' 8"	16' 4"	16' 4"	15' 7"	14' 1"	14' 1"	14' 1"	12' 6"	12' 6"	12' 6"	11' 4"	11' 4"	11' 4"	10' 5"	10' 5"	10' 5"	9' 8"	9' 8"	9' 8"	8' 6"	8' 6"	8' 6"
		24	23' 5"	23' 5"	20' 8"	13' 2"	13' 2"	13' 2"	11' 4"	11' 4"	11' 4"	10' 0"	10' 0"	10' 0"	9' 0"	9' 0"	9' 0"	8' 3"	8' 3"	8' 3"	7' 7"	7' 7"	7' 7"	6' 8"	6' 8"	6' 8"
362S137-54	50	12	36' 3"	28' 10"	25' 2"	22' 3"	19' 8"	16' 7"	19' 3"	17' 10"	15' 1"	17' 2"	16' 7"	14' 0"	15' 7"	15' 7"	13' 2"	14' 5"	14' 5"	12' 6"	13' 5"	13' 5"	11' 11"	11' 11"	11' 11"	
		16	33' 0"	26' 2"	22' 10"	19' 3"	17' 10"	15' 1"	16' 7"	16' 3"	13' 8"	14' 9"	14' 9"	12' 8"	13' 5"	13' 5"	11' 11"	12' 4"	12' 4"	11' 4"	11' 6"	11' 6"	10' 10"	10' 2"	10' 2"	
		24	27' 5"	22' 10"	20' 0"	15' 7"	15' 7"	13' 2"	13' 5"	13' 5"	11' 11"	11' 11"	11' 1"	10' 9"	10' 9"	10' 5"	9' 11"	9' 11"	9' 11"	9' 3"	9' 3"	9' 3"	8' 1"	8' 1"	8' 1"	
362S162-54	50	12	38' 1"	30' 2"	26' 5"	23' 7"	20' 7"	17' 5"	20' 8"	18' 9"	15' 9"	18' 5"	17' 5"	14' 8"	16' 9"	16' 4"	13' 10"	15' 5"	15' 5"	13' 1"	14' 5"	14' 5"	12' 6"	12' 9"	12' 9"	11' 8"
		16	34' 7"	27' 5"	24' 0"	20' 8"	18' 9"	15' 9"	17' 10"	17' 0"	14' 4"	15' 10"	15' 9"	13' 4"	14' 5"	14' 5"	12' 6"	13' 3"	13' 3"	11' 11"	12' 4"	12' 4"	11' 5"	10' 11"	10' 11"	
		24	29' 6"	24' 0"	20' 11"	16' 9"	16' 4"	13' 10"	14' 5"	14' 5"	12' 6"	12' 10"	12' 9"	11' 8"	11' 7"	11' 7"	10' 11"	10' 7"	10' 7"	10' 5"	10' 7"	10' 7"	9' 10"	8' 8"	8' 8"	
362S200-54	50	12	40' 3"	31' 11"	27' 11"	24' 11"	21' 9"	18' 4"	21' 8"	19' 9"	16' 8"	19' 4"	18' 4"	15' 6"	17' 7"	17' 3"	14' 7"	16' 2"	16' 2"	13' 10"	15' 1"	15' 1"	13' 3"	13' 4"	13' 4"	12' 4"
		16	36' 7"	29' 0"	25' 4"	21' 8"	19' 9"	16' 8"	18' 8"	18' 0"	15' 2"	16' 7"	16' 7"	14' 1"	15' 1"	15' 1"	13' 3"	13' 10"	13' 10"	12' 7"	12' 11"	12' 11"	12' 0"	11' 5"	11' 5"	
		24	31' 0"	25' 4"	22' 2"	17' 7"	17' 3"	14' 7"	15' 1"	15' 1"	13' 3"	13' 4"	13' 4"	12' 4"	12' 1"	12' 1"	11' 7"	11' 1"	11' 1"	11' 0"	10' 3"	10' 3"	10' 3"	9' 0"	9' 0"	9' 0"
362S137-68	50	12	38' 9"	30' 9"	26' 11"	24' 20"	21' 0"	17' 8"	21' 9"	19' 1"	16' 1"	19' 5"	17' 8"	14' 11"	17' 7"	16' 8"	14' 11"	16' 3"	15' 10"	13' 4"	15' 1"	15' 1"	12' 9"	13' 5"	13' 5"	11' 10"
		16	35' 3"	27' 11"	24' 5"	21' 9"	19' 1"	16' 1"	18' 9"	17' 4"	14' 7"	16' 8"	16' 1"	13' 7"	15' 1"	15' 1"	12' 9"	13' 11"	13' 11"	12' 2"	12' 11"	12' 11"	11' 7"	11' 5"	11' 5"	
		24	30' 9"	24' 5"	21' 4"	17' 7"	16' 8"	14' 1"	15' 1"	15' 1"	12' 9"	13' 5"	13' 5"	11' 10"	12' 1"	12' 1"	11' 2"	11' 1"	11' 1"	10' 7"	10' 3"	10' 3"	10' 2"	9' 0"	9' 0"	9' 0"

# Curtain Wall Limiting Heights - Double Span



Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf		
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
400S162-54	50	12	41' 1"	32' 7"	28' 6"	25' 6"	22' 3"	18' 9"	22' 0"	20' 3"	17' 1"	19' 7"	18' 9"	15' 10"	17' 10"	17' 8"	14' 11"	16' 6"	16' 6"	14' 2"	15' 4"	15' 4"	13' 6"	13' 8"	13' 8"	12' 7"
		16	37' 4"	29' 8"	25' 11"	22' 0"	20' 3"	17' 1"	19' 0"	18' 4"	15' 6"	16' 11"	16' 11"	14' 5"	15' 4"	15' 4"	13' 6"	14' 2"	14' 2"	12' 10"	13' 2"	13' 2"	12' 4"	11' 8"	11' 8"	11' 5"
		24	31' 4"	25' 11"	22' 7"	17' 10"	17' 8"	14' 11"	15' 4"	15' 4"	13' 6"	13' 8"	13' 8"	12' 7"	12' 4"	12' 4"	11' 10"	11' 5"	11' 5"	11' 3"	10' 7"	10' 7"	10' 7"	9' 4"	9' 4"	9' 4"
400S200-54	50	12	43' 5"	34' 5"	30' 1"	26' 9"	23' 6"	19' 10"	23' 1"	21' 4"	18' 0"	20' 7"	19' 10"	16' 8"	18' 8"	18' 8"	15' 9"	17' 3"	17' 3"	14' 11"	16' 1"	16' 1"	14' 3"	14' 3"	14' 3"	13' 3"
		16	39' 5"	31' 3"	27' 4"	23' 1"	21' 4"	18' 0"	19' 11"	19' 5"	16' 4"	17' 8"	17' 8"	15' 2"	16' 1"	16' 1"	14' 3"	14' 10"	14' 10"	13' 7"	13' 10"	13' 10"	13' 0"	12' 3"	12' 3"	12' 1"
		24	32' 10"	27' 4"	23' 10"	18' 8"	18' 8"	15' 9"	16' 1"	16' 1"	14' 3"	14' 3"	14' 3"	13' 3"	12' 11"	12' 11"	12' 6"	11' 11"	11' 11"	11' 10"	11' 1"	11' 1"	11' 1"	9' 9"	9' 9"	9' 9"
400S137-68	50	12	41' 11"	33' 3"	29' 1"	26' 0"	22' 8"	19' 2"	23' 4"	20' 7"	17' 5"	20' 10"	19' 2"	16' 2"	18' 11"	18' 0"	15' 2"	17' 6"	17' 1"	14' 5"	16' 4"	16' 4"	13' 10"	14' 6"	14' 6"	12' 10"
		16	38' 1"	30' 3"	26' 5"	23' 4"	20' 7"	17' 5"	20' 1"	18' 9"	15' 10"	17' 11"	17' 5"	14' 8"	16' 4"	16' 4"	13' 10"	15' 0"	15' 0"	13' 1"	14' 0"	14' 0"	12' 6"	12' 5"	12' 5"	11' 8"
		24	33' 2"	26' 5"	23' 1"	18' 11"	18' 0"	15' 2"	16' 4"	16' 4"	13' 10"	14' 6"	14' 6"	12' 10"	13' 2"	13' 2"	12' 1"	12' 1"	12' 1"	11' 5"	11' 3"	11' 3"	10' 11"	9' 11"	9' 11"	9' 11"
400S162-68	50	12	44' 0"	34' 11"	30' 6"	27' 3"	23' 10"	20' 1"	24' 9"	21' 8"	18' 3"	22' 4"	20' 1"	16' 11"	20' 4"	18' 11"	15' 11"	18' 9"	17' 11"	15' 2"	17' 6"	17' 2"	14' 6"	15' 7"	15' 7"	13' 5"
		16	39' 11"	31' 9"	27' 8"	24' 9"	21' 8"	18' 3"	21' 8"	19' 8"	16' 7"	19' 3"	18' 3"	15' 5"	17' 6"	17' 2"	14' 6"	16' 2"	16' 2"	13' 9"	15' 0"	15' 0"	13' 2"	13' 4"	13' 4"	12' 3"
		24	34' 11"	27' 8"	24' 2"	20' 4"	18' 11"	15' 11"	17' 6"	17' 2"	14' 6"	15' 7"	15' 7"	13' 5"	14' 1"	14' 1"	12' 8"	12' 11"	12' 11"	12' 6"	12' 0"	12' 0"	11' 6"	10' 7"	10' 7"	10' 7"
400S200-68	50	12	46' 6"	36' 11"	32' 3"	28' 10"	25' 2"	21' 3"	26' 2"	22' 10"	19' 3"	24' 0"	21' 3"	17' 11"	21' 10"	20' 0"	16' 10"	20' 1"	19' 0"	16' 0"	18' 9"	18' 2"	15' 4"	16' 8"	16' 8"	14' 2"
		16	42' 3"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 2"	20' 9"	17' 6"	20' 8"	19' 3"	16' 3"	18' 9"	18' 2"	15' 4"	17' 3"	17' 3"	14' 6"	16' 1"	16' 1"	13' 11"	14' 3"	14' 3"	12' 11"
		24	36' 11"	29' 3"	25' 7"	21' 10"	20' 0"	16' 10"	18' 9"	18' 2"	15' 4"	16' 8"	16' 8"	14' 2"	15' 1"	15' 1"	13' 4"	13' 10"	13' 10"	12' 8"	12' 10"	12' 10"	12' 2"	11' 4"	11' 4"	11' 3"
550S162-33	33	12	33' 11"	33' 11"	31' 4"	19' 7"	19' 7"	19' 7"	16' 11"	16' 11"	16' 11"	15' 2"	15' 2"	15' 2"	13' 10"	13' 10"	13' 10"	12' 10"	12' 10"	12' 5"	12' 0"	12' 0"	11' 7"	10' 9"	10' 9"	10' 9"
		16	29' 4"	29' 4"	28' 5"	16' 11"	16' 11"	16' 11"	14' 8"	14' 8"	14' 8"	13' 2"	13' 2"	13' 2"	12' 0"	12' 0"	12' 0"	11' 1"	11' 1"	11' 1"	10' 5"	10' 5"	10' 5"	9' 2"	9' 2"	9' 2"
		24	24' 0"	24' 0"	24' 0"	13' 10"	13' 10"	13' 10"	12' 0"	12' 0"	12' 0"	10' 9"	10' 9"	10' 9"	9' 9"	9' 9"	9' 9"	8' 11"	8' 11"	8' 11"	8' 3"	8' 3"	8' 3"	7' 2"	7' 2"	7' 2"
550S162-43	33	12	41' 10"	39' 0"	34' 1"	24' 2"	24' 2"	22' 6"	20' 11"	20' 11"	20' 5"	18' 9"	18' 9"	18' 9"	17' 1"	17' 1"	17' 1"	15' 10"	15' 10"	15' 10"	14' 10"	14' 10"	14' 10"	13' 3"	13' 3"	13' 3"
		16	36' 3"	35' 6"	31' 0"	20' 11"	20' 11"	20' 5"	18' 1"	18' 1"	18' 1"	16' 3"	16' 3"	16' 3"	14' 10"	14' 10"	14' 10"	13' 8"	13' 8"	13' 8"	12' 10"	12' 10"	12' 10"	11' 6"	11' 6"	11' 6"
		24	29' 7"	29' 7"	27' 1"	17' 1"	17' 1"	17' 1"	14' 10"	14' 10"	14' 10"	13' 3"	13' 3"	13' 3"	12' 1"	12' 1"	12' 1"	11' 2"	11' 2"	11' 2"	10' 6"	10' 6"	10' 6"	9' 3"	9' 3"	9' 3"
550S162-54	50	12	52' 9"	41' 10"	36' 7"	32' 4"	28' 7"	24' 1"	28' 0"	25' 11"	21' 11"	25' 1"	24' 1"	20' 4"	22' 10"	22' 8"	19' 1"	21' 2"	21' 2"	18' 2"	19' 10"	19' 10"	17' 4"	17' 9"	17' 9"	16' 2"
		16	47' 11"	38' 1"	33' 3"	28' 0"	25' 11"	21' 11"	24' 3"	23' 7"	19' 11"	21' 8"	21' 8"	18' 6"	19' 10"	19' 10"	17' 4"	18' 4"	18' 4"	16' 6"	17' 2"	17' 2"	15' 9"	15' 4"	15' 4"	14' 8"
		24	39' 7"	33' 3"	29' 0"	22' 10"	22' 8"	19' 1"	19' 10"	19' 10"	17' 4"	17' 9"	17' 9"	16' 2"	16' 2"	15' 2"	15' 0"	15' 0"	15' 0"	14' 0"	14' 0"	13' 9"	12' 6"	12' 6"	12' 6"	
550S162-68	50	12	56' 6"	44' 10"	39' 2"	35' 1"	30' 7"	25' 10"	31' 10"	27' 10"	23' 6"	29' 4"	25' 10"	21' 9"	26' 9"	24' 4"	20' 6"	24' 10"	23' 1"	19' 6"	23' 2"	22' 1"	18' 7"	20' 9"	20' 6"	17' 3"
		16	51' 4"	40' 9"	35' 7"	31' 10"	27' 10"	23' 6"	28' 5"	25' 3"	21' 4"	25' 5"	23' 6"	19' 9"	23' 2"	22' 1"	18' 7"	21' 6"	21' 0"	17' 8"	20' 1"	20' 1"	16' 11"	18' 0"	18' 0"	15' 8"
		24	44' 10"	35' 7"	31' 1"	26' 9"	24' 4"	20' 6"	23' 2"	22' 1"	18' 7"	20' 9"	20' 6"	17' 3"	18' 11"	18' 11"	16' 3"	17' 6"	17' 6"	15' 5"	16' 5"	16' 5"	14' 9"	14' 8"	14' 8"	13' 9"
600S137-33	33	12	33' 0"	33' 0"	32' 0"	19' 1"	19' 1"	19' 1"	16' 6"	16' 6"	16' 6"	14' 9"	14' 9"	14' 9"	13' 6"	13' 6"	13' 6"	12' 5"	12' 5"	12' 5"	11' 7"	11' 7"	11' 7"	10' 2"	10' 2"	10' 2"
		16	28' 7"	28' 7"	28' 7"	16' 6"	16' 6"	16' 6"	14' 4"	14' 4"	14' 4"	12' 9"	12' 9"	12' 9"	11' 7"	11' 7"	11' 7"	10' 7"	10' 7"	10' 7"	9' 10"	9' 10"	9' 10"	8' 7"	8' 7"	8' 7"
		24	23' 4"	23' 4"	23' 4"	13' 6"	13' 6"	13' 6"	11' 7"	11' 7"	11' 7"	10' 2"	10' 2"	10' 2"	9' 2"	9' 2"	9' 2"	8' 4"	8' 4"	8' 4"	7' 9"	7' 9"	7' 9"	6' 9"	6' 9"	6' 9"
600S162-33	33	12	35' 6"	35' 6"	33' 7"	20' 6"	20' 6"	20' 6"	17' 9"	17' 9"	17' 9"	15' 11"	15' 11"	15' 11"	14' 6"	14' 6"	14' 6"	13' 5"	13' 5"	13' 5"	12' 7"	12' 7"	12' 7"	11' 3"	11' 3"	11' 3"
		16	30' 9"	30' 9"	30' 6"	17' 9"	17' 9"	17' 9"	15' 5"	15' 5"	15' 5"	13' 9"	13' 9"	13' 9"	12' 7"	12' 7"	12' 7"	11' 8"	11' 8"	11' 8"	10' 10"	10' 10"	10' 10"	9' 6"	9' 6"	9' 6"
		24	25' 1"	25' 1"	25' 1"	14' 6"	14' 6"	14' 6"	12' 7"	12' 7"	12' 7"	11' 3"	11' 3"	11' 3"	10' 1"	10' 1"	10' 1"	9' 2"	9' 2"	9' 2"	8' 5"	8' 5"	8' 5"	7' 4"	7' 4"	7' 4"
600S200-33	33	12	37' 11"	37' 11"	35' 3"	21' 10"	21' 10"	21' 10"	18' 11"	18' 11"	18' 11"	16' 11"	16' 11"	16' 11"	15' 6"	15' 6"	15' 6"	14' 3"	14' 3"	14' 3"	13' 3"	13' 3"	13' 3"	11' 7"	11' 7"	11' 7"
		16	32' 10"	32' 10"	32' 0"	18' 11"	18' 11"	18' 11"	16' 5"	16' 5"	16' 5"	14' 8"	14' 8"	14' 8"	13' 3"	13' 3"	13' 3"	12' 1"	12' 1"	12' 1"	11' 2"	11' 2"	11' 2"	9' 9"	9' 9"	9' 9"
		24	26' 9"	26' 9"	26' 9"	15' 6"	15' 6"	15' 6"	13' 3"	13' 3"	13' 3"	11' 7"	11' 7"	11' 7"	10' 5"	10' 5"	10' 5"	9' 5"	9' 5"	9' 5"	8' 8"	8' 8"	8' 8"	7' 6"	7' 6"	7' 6"
600S137-43	33	12	39' 8"	39' 8"	35' 0"	22' 11"	22' 11"	22' 11"	19' 10"	19' 10"	19' 10"	17' 9"	17' 9"	17' 9"	16' 2"	16' 2"	16' 2"	15' 0"	15' 0"	15' 0"	14' 0"	14' 0"	14' 0"	12' 7"	12' 7"	12' 7"
		16	34' 5"	34' 5"	31' 10"	19' 10"	19' 10"	19' 10"	17' 2"	17' 2"	17' 2"	15' 5"	15' 5"	15' 5"	14' 0"	14' 0"	14' 0"	13' 0"	13' 0"	13' 0"	12' 2"	12' 2"	12' 2"	10' 10"	10' 10"	10' 10"
		24	28' 1"	28' 1"	27' 10"	16' 2"	16' 2"	16' 2"	14' 0"	14' 0"	14' 0"	12' 7"	12' 7"	12' 7"	11' 6"	11' 6"	11' 6"	10' 7"	10' 7"	10' 7"	9' 10"	9' 10"	9' 10"	8' 9"	8' 9"	8' 9"
600S162-43	33	12	43' 11"	41' 10"	36' 6"	25' 4"	25' 4"	24' 1"	21' 11"	21' 11"	21' 10"	19' 8"	19' 8"	19' 8"	17' 11"	17' 11"	17' 11"	16' 7"	16' 7"	16' 7"	15' 6"	15' 6"	15' 6"	13' 11"	13' 11"	13' 11"
		16	38' 0"	38' 0"	33' 2"	21' 11"	21' 11"	21' 10"	19' 0"	19' 0"	19' 0"	17' 0"	17' 0"	17' 0"	15' 6"	15'										



# Curtain Wall Limiting Heights - Double Span

Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf		
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
600S200-97	50	12	70' 9"	56' 2"	49' 1"	43' 10"	38' 4"	32' 4"	39' 10"	34' 10"	29' 4"	37' 0"	32' 4"	27' 3"	34' 10"	30' 5"	25' 8"	33' 1"	28' 11"	24' 4"	31' 8"	27' 8"	23' 4"	28' 11"	25' 8"	21' 8"
		16	64' 4"	51' 0"	44' 7"	39' 10"	34' 10"	29' 4"	36' 3"	31' 8"	26' 8"	33' 7"	29' 4"	24' 9"	31' 8"	27' 8"	23' 4"	29' 11"	26' 3"	22' 2"	28' 0"	25' 1"	21' 2"	24' 11"	23' 4"	19' 8"
		24	56' 2"	44' 7"	38' 11"	34' 10"	30' 5"	25' 8"	31' 8"	27' 8"	23' 4"	28' 11"	25' 8"	21' 8"	26' 4"	24' 2"	20' 4"	24' 4"	22' 11"	19' 4"	22' 8"	21' 11"	18' 6"	20' 2"	20' 2"	17' 2"
600S162-118	50	12	70' 11"	56' 4"	49' 2"	44' 0"	38' 5"	32' 5"	39' 11"	34' 11"	29' 5"	37' 1"	32' 5"	27' 4"	34' 11"	30' 6"	25' 9"	33' 2"	29' 0"	24' 5"	31' 8"	27' 8"	23' 4"	29' 5"	25' 9"	21' 8"
		16	64' 5"	51' 2"	44' 8"	39' 11"	34' 11"	29' 5"	36' 4"	31' 8"	26' 9"	33' 8"	29' 5"	24' 10"	31' 8"	27' 8"	23' 4"	30' 1"	26' 4"	22' 2"	28' 10"	25' 2"	21' 3"	25' 8"	23' 4"	19' 8"
		24	56' 4"	44' 8"	39' 0"	34' 11"	30' 6"	25' 9"	31' 8"	27' 8"	23' 4"	29' 5"	25' 9"	21' 8"	27' 1"	24' 2"	20' 5"	25' 0"	23' 0"	19' 5"	23' 4"	22' 0"	18' 7"	20' 9"	20' 5"	17' 3"
600S200-118	50	12	74' 10"	59' 5"	51' 11"	46' 5"	40' 6"	34' 2"	42' 2"	36' 10"	31' 1"	39' 2"	34' 2"	28' 10"	36' 10"	32' 2"	27' 2"	35' 0"	30' 7"	25' 9"	33' 5"	29' 3"	24' 8"	31' 1"	27' 2"	22' 11"
		16	68' 0"	54' 0"	47' 2"	42' 2"	36' 10"	31' 1"	38' 4"	33' 5"	28' 3"	35' 7"	31' 1"	26' 2"	33' 5"	29' 3"	24' 8"	31' 9"	27' 9"	23' 5"	30' 5"	26' 7"	22' 5"	27' 3"	24' 8"	20' 10"
		24	59' 5"	47' 2"	41' 2"	36' 10"	32' 2"	27' 2"	33' 5"	29' 3"	24' 8"	31' 1"	27' 2"	22' 11"	28' 10"	25' 6"	21' 6"	26' 7"	24' 3"	20' 5"	24' 9"	23' 2"	19' 7"	22' 0"	21' 6"	18' 2"
800S137-33	33	12	37' 10"	37' 10"	37' 10"	21' 0"	21' 0"	21' 0"	18' 10"	18' 10"	18' 10"	16' 7"	16' 7"	16' 7"	14' 10"	14' 10"	14' 10"	13' 6"	13' 6"	13' 6"	12' 5"	12' 5"	12' 5"	10' 9"	10' 9"	10' 9"
		16	32' 9"	32' 9"	32' 9"	18' 10"	18' 10"	18' 10"	15' 11"	15' 11"	15' 11"	13' 11"	13' 11"	13' 11"	12' 5"	12' 5"	12' 5"	11' 3"	11' 3"	11' 3"	10' 4"	10' 4"	10' 4"	8' 10"	8' 10"	8' 10"
		24	26' 9"	26' 9"	26' 9"	14' 10"	14' 10"	14' 10"	12' 5"	12' 5"	12' 5"	10' 9"	10' 9"	10' 9"	8' 6"	8' 6"	8' 6"	8' 6"	8' 6"	8' 6"	7' 9"	7' 9"	7' 9"	6' 6"	6' 6"	6' 6"
800S162-33	33	12	41' 0"	41' 0"	41' 0"	23' 6"	23' 6"	23' 6"	19' 11"	19' 11"	19' 11"	17' 6"	17' 6"	17' 6"	15' 8"	15' 8"	15' 8"	14' 2"	14' 2"	14' 2"	13' 0"	13' 0"	13' 0"	11' 3"	11' 3"	11' 3"
		16	35' 6"	35' 6"	35' 6"	19' 11"	19' 11"	19' 11"	16' 10"	16' 10"	16' 10"	14' 8"	14' 8"	14' 8"	13' 0"	13' 0"	13' 0"	11' 9"	11' 9"	11' 9"	10' 9"	10' 9"	10' 9"	9' 2"	9' 2"	9' 2"
		24	29' 0"	29' 0"	29' 0"	15' 8"	15' 8"	15' 8"	13' 0"	13' 0"	13' 0"	11' 3"	11' 3"	11' 3"	9' 10"	9' 10"	9' 10"	8' 10"	8' 10"	8' 10"	8' 0"	8' 0"	8' 0"	6' 8"	6' 8"	6' 8"
800S200-33	33	12	44' 0"	44' 0"	44' 0"	25' 0"	25' 0"	25' 0"	21' 1"	21' 1"	21' 1"	18' 8"	18' 8"	18' 8"	16' 3"	16' 3"	16' 3"	14' 11"	14' 11"	14' 11"	13' 0"	13' 0"	13' 0"	11' 8"	11' 8"	11' 8"
		16	38' 1"	38' 1"	38' 1"	21' 1"	21' 1"	21' 1"	17' 9"	17' 9"	17' 9"	15' 5"	15' 5"	15' 5"	13' 8"	13' 8"	13' 8"	12' 3"	12' 3"	12' 3"	11' 2"	11' 2"	11' 2"	9' 6"	9' 6"	9' 6"
		24	31' 1"	31' 1"	31' 1"	16' 6"	16' 6"	16' 6"	13' 8"	13' 8"	13' 8"	11' 8"	11' 8"	11' 8"	10' 3"	10' 3"	10' 3"	9' 1"	9' 1"	9' 1"	8' 2"	8' 2"	8' 2"	6' 10"	6' 10"	6' 10"
800S137-43	33	12	45' 10"	45' 10"	44' 0"	26' 6"	26' 6"	26' 6"	22' 11"	22' 11"	22' 11"	20' 6"	20' 6"	20' 6"	18' 9"	18' 9"	18' 9"	17' 4"	17' 4"	17' 4"	16' 3"	16' 3"	16' 3"	14' 6"	14' 6"	14' 6"
		16	39' 9"	39' 9"	39' 9"	22' 11"	22' 11"	22' 11"	19' 10"	19' 10"	19' 10"	17' 9"	17' 9"	17' 9"	15' 0"	15' 0"	15' 0"	14' 1"	14' 1"	14' 1"	13' 0"	13' 0"	13' 0"	11' 8"	11' 8"	11' 8"
		24	32' 5"	32' 5"	32' 5"	18' 9"	18' 9"	18' 9"	16' 3"	16' 3"	16' 3"	14' 6"	14' 6"	14' 6"	13' 2"	13' 2"	13' 2"	12' 1"	12' 1"	12' 1"	11' 2"	11' 2"	11' 2"	9' 10"	9' 10"	9' 10"
800S162-43	33	12	49' 5"	49' 5"	45' 10"	28' 6"	28' 6"	28' 6"	24' 9"	24' 9"	24' 9"	22' 1"	22' 1"	22' 1"	20' 2"	20' 2"	20' 2"	18' 8"	18' 8"	18' 8"	17' 6"	17' 6"	17' 6"	15' 5"	15' 5"	15' 5"
		16	42' 10"	42' 10"	41' 7"	24' 9"	24' 9"	24' 9"	21' 5"	21' 5"	21' 5"	19' 2"	19' 2"	19' 2"	17' 6"	17' 6"	17' 6"	16' 1"	16' 1"	16' 1"	14' 11"	14' 11"	14' 11"	13' 1"	13' 1"	13' 1"
		24	34' 11"	34' 11"	34' 11"	20' 2"	20' 2"	20' 2"	17' 6"	17' 6"	17' 6"	15' 5"	15' 5"	15' 5"	13' 11"	13' 11"	13' 11"	12' 9"	12' 9"	12' 9"	11' 9"	11' 9"	11' 9"	10' 4"	10' 4"	10' 4"
800S200-43	33	12	52' 11"	52' 11"	48' 2"	30' 6"	30' 6"	30' 6"	26' 5"	26' 5"	26' 5"	23' 8"	23' 8"	23' 8"	21' 7"	21' 7"	21' 7"	20' 0"	20' 0"	20' 0"	18' 8"	18' 8"	18' 8"	16' 9"	16' 9"	16' 9"
		16	45' 10"	45' 10"	43' 9"	26' 5"	26' 5"	26' 5"	22' 11"	22' 11"	22' 11"	20' 6"	20' 6"	20' 6"	18' 8"	18' 8"	18' 8"	17' 4"	17' 4"	17' 4"	16' 2"	16' 2"	16' 2"	14' 6"	14' 6"	14' 6"
		24	37' 5"	37' 5"	37' 5"	21' 7"	21' 7"	21' 7"	18' 8"	18' 8"	18' 8"	16' 9"	16' 9"	16' 9"	15' 3"	15' 3"	15' 3"	14' 1"	14' 1"	14' 1"	12' 11"	12' 11"	12' 11"	11' 3"	11' 3"	11' 3"
800S137-54	50	12	61' 7"	54' 5"	47' 7"	35' 7"	35' 7"	31' 4"	30' 10"	30' 10"	28' 6"	27' 9"	27' 9"	26' 5"	25' 2"	24' 10"	23' 3"	23' 3"	23' 3"	21' 9"	21' 9"	21' 9"	20' 2"	20' 2"	20' 2"	
		16	53' 4"	49' 4"	43' 3"	30' 10"	30' 10"	28' 6"	26' 8"	26' 8"	25' 10"	23' 10"	23' 10"	23' 10"	21' 9"	21' 9"	21' 9"	20' 2"	20' 2"	20' 2"	18' 10"	18' 10"	18' 10"	16' 10"	16' 10"	16' 10"
		24	43' 7"	43' 0"	37' 9"	25' 2"	25' 2"	24' 10"	21' 9"	21' 9"	21' 9"	19' 6"	19' 6"	19' 6"	17' 9"	17' 9"	17' 9"	16' 6"	16' 6"	16' 6"	15' 5"	15' 5"	15' 5"	13' 9"	13' 9"	13' 9"
800S162-54	50	12	66' 2"	56' 7"	49' 5"	38' 2"	38' 2"	32' 7"	33' 1"	33' 1"	29' 7"	29' 7"	29' 7"	27' 0"	27' 0"	25' 10"	25' 0"	25' 0"	24' 7"	23' 5"	23' 5"	23' 5"	20' 11"	20' 11"	20' 11"	
		16	57' 3"	51' 4"	44' 11"	33' 1"	33' 1"	29' 7"	28' 8"	28' 8"	26' 10"	25' 7"	25' 7"	24' 11"	23' 0"	23' 0"	22' 11"	21' 8"	21' 8"	21' 8"	20' 3"	20' 3"	20' 3"	18' 1"	18' 1"	18' 1"
		24	46' 9"	44' 9"	39' 3"	27' 0"	27' 0"	25' 10"	23' 5"	23' 5"	23' 5"	20' 11"	20' 11"	20' 11"	19' 1"	19' 1"	19' 1"	17' 8"	17' 8"	17' 8"	16' 6"	16' 6"	16' 6"	14' 9"	14' 9"	14' 9"
800S200-54	50	12	70' 7"	59' 3"	51' 9"	40' 9"	40' 5"	34' 1"	35' 4"	35' 4"	30' 11"	31' 7"	31' 7"	28' 9"	28' 10"	28' 10"	27' 0"	26' 8"	26' 8"	25' 8"	24' 11"	24' 11"	24' 7"	22' 4"	22' 4"	22' 4"
		16	61' 2"	53' 10"	47' 0"	35' 4"	35' 4"	30' 11"	30' 7"	30' 7"	28' 1"	27' 4"	27' 4"	26' 1"	24' 11"	24' 11"	24' 7"	23' 1"	23' 1"	23' 1"	21' 7"	21' 7"	21' 7"	19' 4"	19' 4"	19' 4"
		24	49' 11"	47' 0"	41' 1"	28' 10"	28' 10"	27' 0"	24' 11"	24' 11"	24' 7"	22' 4"	22' 4"	22' 4"	20' 5"	20' 5"	20' 5"	18' 10"	18' 10"	18' 10"	17' 8"	17' 8"	17' 8"	15' 9"	15' 9"	15' 9"
800S137-68	50	12	72' 8"	58' 5"	51' 0"	41' 11"	39' 10"	33' 7"	36' 4"	36' 2"	30' 6"	32' 6"	32' 6"	28' 4"	29' 8"	29' 8"	26' 8"	27' 5"	27' 5"	25' 4"	25' 8"	25' 8"	24' 3"	23' 0"	23' 0"	22' 6"
		16	62' 11"	53' 1"	46' 4"	36' 4"	36' 2"	30' 6"	31' 5"	31' 5"	27' 9"	28' 2"	28' 2"	25' 9"	25' 8"	25' 8"	24' 3"	23' 9"	23' 9"	23' 0"	22' 3"	22' 3"	22' 0"	19' 11"	19' 11"	19' 11"
		24	51' 4"	46' 4"	40' 6"	29' 8"	29' 8"	26' 8"	25' 8"	25' 8"	24' 3"	23' 0"	23' 0"	22' 6"	21' 0"	21' 0"	21' 0"	19' 5"	19' 5"	19' 5"	18' 2"	18' 2"	18' 2"	16' 3"	16' 3"	16' 3"
800S162-68	50	12	76' 6"	60' 9"	53' 1"	44' 9"	41' 5"	34' 11"	38' 9"	37' 8"	31' 9"	34' 8"	34' 8"	29' 6"	33' 8"	31' 8"	27' 9"	29' 4"	29' 4"	26' 4"	27' 5"	27' 5"	25' 2"	24' 6"	24' 6"	23' 5"
		16	67' 2"	55' 2"	48' 2"	38' 9"	37' 8"	31' 9"	33' 7"	33' 7"	28' 10"	30' 0"	30' 0"	26' 9"	27' 5"	27' 5"	25' 2"	25' 5"								