

CURTAIN WALL HEIGHTS

Member	15psf			20psf			25psf			30psf			35psf			40psf			
	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	
600S137-33	12 16 24	19' 16' 13'	15' 14' 12'	14' 14' 11'	14' 12' 10'	13' 12' 10'	14' 12' 10'	13' 11' 9'	13' 11' 9'	13' 11' 9'	12' 10' 8'	12' 10' 8'	12' 10' 8'	11' 9' 8'	11' 10' 8'	11' 10' 8'	11' 10' 8'	11' 10' 8'	
600S137-43	12 16 24	22' 19' 16'	17' 15' 13'	19' 16' 14'	17' 15' 13'	14' 13' 12'	17' 15' 13'	16' 14' 12'	16' 14' 12'	16' 14' 12'	15' 13' 11'	15' 13' 11'	15' 13' 11'	14' 12' 10'	14' 12' 10'	14' 12' 10'	13' 11' 9'	13' 11' 9'	13' 11' 9'
600S137-54	12 16 24	25' 22' 19'	18' 16' 14'	19' 18' 16'	19' 18' 16'	16' 15' 14'	19' 18' 16'	18' 16' 14'	18' 16' 14'	18' 16' 14'	17' 15' 13'	17' 15' 13'	17' 15' 13'	16' 14' 12'	16' 14' 12'	16' 14' 12'	15' 13' 11'	15' 13' 11'	15' 13' 11'
600S137-68	12 16 24	26' 24' 21'	19' 18' 16'	21' 20' 18'	20' 19' 17'	18' 17' 16'	20' 19' 17'	19' 18' 16'	19' 18' 16'	19' 18' 16'	18' 16' 14'	18' 16' 14'	18' 16' 14'	17' 15' 13'	17' 15' 13'	17' 15' 13'	16' 14' 12'	16' 14' 12'	16' 14' 12'
600S137-97	12 16 24	29' 27' 23'	21' 20' 17'	23' 22' 20'	22' 21' 19'	19' 18' 17'	23' 22' 20'	22' 21' 19'	21' 20' 18'	21' 20' 18'	20' 19' 17'	20' 19' 17'	20' 19' 17'	19' 18' 16'	19' 18' 16'	19' 18' 16'	18' 17' 15'	18' 17' 15'	18' 17' 15'
600S162-33	12 16 24	20' 17' 14'	19' 17' 15'	17' 15' 13'	17' 15' 13'	15' 13' 11'	17' 15' 13'	16' 14' 12'	16' 14' 12'	16' 14' 12'	15' 13' 11'	15' 13' 11'	15' 13' 11'	14' 12' 10'	14' 12' 10'	14' 12' 10'	13' 11' 9'	13' 11' 9'	13' 11' 9'
600S162-43	12 16 24	24' 22' 19'	17' 16' 14'	19' 17' 15'	19' 17' 15'	16' 14' 12'	19' 17' 15'	18' 16' 14'	18' 16' 14'	18' 16' 14'	17' 15' 13'	17' 15' 13'	17' 15' 13'	16' 14' 12'	16' 14' 12'	16' 14' 12'	15' 13' 11'	15' 13' 11'	15' 13' 11'
600S162-54	12 16 24	26' 23' 20'	22' 20' 18'	21' 19' 17'	20' 18' 16'	18' 16' 14'	21' 19' 17'	20' 18' 16'	19' 17' 15'	19' 17' 15'	18' 16' 14'	18' 16' 14'	18' 16' 14'	17' 15' 13'	17' 15' 13'	17' 15' 13'	16' 14' 12'	16' 14' 12'	16' 14' 12'
600S162-68	12 16 24	28' 25' 22'	20' 19' 17'	22' 20' 18'	21' 19' 17'	18' 16' 14'	22' 20' 18'	21' 19' 17'	20' 18' 16'	20' 18' 16'	19' 17' 15'	19' 17' 15'	19' 17' 15'	18' 16' 14'	18' 16' 14'	18' 16' 14'	17' 15' 13'	17' 15' 13'	17' 15' 13'
600S162-97	12 16 24	31' 28' 24'	22' 21' 18'	24' 23' 20'	23' 22' 20'	18' 16' 14'	24' 23' 20'	23' 22' 20'	22' 21' 19'	22' 21' 19'	21' 20' 18'	21' 20' 18'	21' 20' 18'	20' 19' 17'	20' 19' 17'	20' 19' 17'	19' 18' 16'	19' 18' 16'	19' 18' 16'

6" Exterior Curtain Wall Framing

"e" = web stiffeners required at ends.

See page 26 for clarification of code developed wind pressures prior to using this table.

Notes:

- Studs are checked for simple-span deflection and stress. Stress calculations are made for mid-span fully braced moment, end shear through the unperforated section, and shear moment interaction through the perforated section 10" away from the end bearing.
- A 1/3 stress increase is not used.
- Limiting heights are based on continuous lateral support of each flange over the full height of the stud.
- Listed limiting heights are based on steel properties only.
- Web crippling check based on 1-inch end bearing. Where limiting heights are followed by "e", web stiffeners are required.
- For bending, studs are assumed to be adequately braced to develop full allowable moment capacity. Stud distortional buckling based on an assumed $K\phi=0$.
- Cells marked with an "*" have $h/t > 200$, and thus require end stiffeners.
- Capacities are calculated according to the AISI-NASPEC S100-2007, with 2010 supplement. A 1-1/2" by 4" knockout spaced no closer than 24" o.c. is assumed.
- All values are based on $F_y=33$ ksi for 33mil and 43mil studs, and $F_y=50$ ksi for 54mil, 68mil and 97mil studs.
- For deflection calculations, 15psf and higher wind pressures have been multiplied by 0.7, in accordance with footnote # of IBC table 1604.3.
- Lateral loads have not been modified for strength checks. Full loads are applied.

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	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	
600S200-33	12 21'11"e	16 20'6"e	17 17'3"e	18 18'11"e	16 16'11"e	14 14'7"e	15 15'6"e	13 13'8"e	14 14'4"e	15 15'6"e	13 13'8"e	14 14'4"e	15 15'6"e	13 13'8"e	14 14'4"e	15 15'6"e	13 13'8"e	14 14'4"e	15 15'6"e
600S200-43	12 25'7"e	16 18'6"e	17 17'2"e	18 18'10"e	15 15'11"e	14 14'5"e	16 16'0"e	13 13'7"e	14 14'1"e	15 15'1"e	13 13'7"e	14 14'1"e	15 15'1"e	13 13'7"e	14 14'1"e	15 15'1"e	13 13'7"e	14 14'1"e	15 15'1"e
600S200-54	12 27'6"e	16 21'10"e	17 17'10"e	18 18'5"e	16 16'8"e	15 15'6"e	17 17'1"e	14 14'7"e	15 15'6"e	16 16'8"e	14 14'7"e	15 15'6"e	16 16'8"e	14 14'7"e	15 15'6"e	16 16'8"e	14 14'7"e	15 15'6"e	16 16'8"e
600S200-68	12 29'6"e	16 23'5"e	17 17'11"e	18 18'9"e	16 16'9"e	15 15'9"e	17 17'1"e	14 14'7"e	15 15'9"e	16 16'9"e	14 14'7"e	15 15'9"e	16 16'9"e	14 14'7"e	15 15'9"e	16 16'9"e	14 14'7"e	15 15'9"e	16 16'9"e
600S200-97	12 32'9"e	16 26'0"e	17 17'11"e	18 18'7"e	16 16'0"e	15 15'8"e	17 17'3"e	14 14'6"e	15 15'8"e	16 16'0"e	14 14'6"e	15 15'8"e	16 16'0"e	14 14'6"e	15 15'8"e	16 16'0"e	14 14'6"e	15 15'8"e	16 16'0"e
600S250-43	12 26'10"e	16 23'3"e	17 17'11"e	18 18'0"e	16 16'4"e	15 15'2"e	17 17'1"e	14 14'7"e	15 15'2"e	16 16'4"e	14 14'7"e	15 15'2"e	16 16'4"e	14 14'7"e	15 15'2"e	16 16'4"e	14 14'7"e	15 15'2"e	16 16'4"e
600S250-54	12 28'8"e	16 26'0"e	17 17'5"e	18 18'1"e	16 16'9"e	15 15'3"e	17 17'10"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e
600S250-68	12 30'11"e	16 27'0"e	17 17'11"e	18 18'1"e	16 16'9"e	15 15'3"e	17 17'10"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e
600S250-97	12 34'4"e	16 31'3"e	17 17'11"e	18 18'3"e	16 16'9"e	15 15'3"e	17 17'10"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e	14 14'2"e	15 15'9"e	16 16'9"e
600S300-54	12 29'3"e	16 26'7"e	17 17'10"e	18 18'2"e	16 16'6"e	15 15'7"e	17 17'7"e	14 14'5"e	15 15'7"e	16 16'6"e	14 14'5"e	15 15'7"e	16 16'6"e	14 14'5"e	15 15'7"e	16 16'6"e	14 14'5"e	15 15'7"e	16 16'6"e
600S300-68	12 31'11"e	16 29'0"e	17 17'11"e	18 18'0"e	16 16'5"e	15 15'2"e	17 17'11"e	14 14'8"e	15 15'2"e	16 16'5"e	14 14'8"e	15 15'2"e	16 16'5"e	14 14'8"e	15 15'2"e	16 16'5"e	14 14'8"e	15 15'2"e	16 16'5"e
600S300-97	12 35'8"e	16 32'5"e	17 17'11"e	18 18'4"e	16 16'4"e	15 15'4"e	17 17'1"e	14 14'7"e	15 15'4"e	16 16'4"e	14 14'7"e	15 15'4"e	16 16'4"e	14 14'7"e	15 15'4"e	16 16'4"e	14 14'7"e	15 15'4"e	16 16'4"e

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