Interior walls with structural framing

3-5/8" Structural stud non-composite – Allowable wall heights - 5 PSF (interior)

Members	Spacing (in) o.c.	5 psf		
		L/120	L/240	L/360
362S162-33	12	24' 4"	19' 4"	16' 11"
362S162-33	16	22' 2"	17' 7"	15' 4"
362S162-33	24	18' 9"	15' 4"	13' 5"
362S200-33	12	25' 8"	20' 5"	17' 10"
362S200-33	16	23' 4"	18' 6"	16' 2"
362S200-33	24	19' 8"	16' 2"	14' 2"
362S162-43	12	26' 6"	21' 0"	18' 4"
362S162-43	16	24' 1"	19' 1"	16' 8"
362S162-43	24	21' 0"	16' 8"	14' 7"
362S200-43	12	28' 0"	22' 3"	19' 5"
362S200-43	16	25' 5"	20' 2"	17' 8"
362S200-43	24	22' 3"	17' 8"	15' 5"
362S250-43	12	29' 6"	23' 5"	20' 6"
362S250-43	16	26' 10"	21' 3"	18' 7"
362S250-43	24	23' 5"	18' 7"	16' 3"
362S162-54	12	28' 5"	22' 6"	19' 8"
362S162-54	16	25' 10"	20' 6"	17' 11"
362S162-54	24	22' 6"	17' 11"	15' 7"
362S200-54	12	30' 0"	23' 10"	20' 10"
362S200-54	16	27' 3"	21' 8"	18' 11"
362S200-54	24	23' 10"	18' 11"	16' 6"
362S250-54	12	31' 8"	25' 2"	21' 11"
362S250-54	16	28' 9"	22' 10"	19' 11"
362S250-54	24	25' 2"	19' 11"	17' 5"
362S162-68	12	30' 4"	24' 1"	21' 1"
362S162-68	16	27' 7"	21' 11"	19' 2"
362S162-68	24	24' 1"	19' 2"	16' 9"
362S200-68	12	32' 2"	25' 6"	22' 3"
362S200-68	16	29' 2"	23' 2"	20' 3"
362S200-68	24	25' 6"	20' 3"	17' 8"
362S250-68	12	33' 11"	26' 11"	23' 6"
362S250-68	16	30' 10"	24' 6"	21' 5"
362S250-68	24	26' 11"	21' 5"	18' 8"
362S162-97	12	33' 6"	26' 7"	23' 3"
362S162-97	16	30' 5"	24' 2"	21' 1"
362S162-97	24	26' 7"	21' 1"	18' 5"
362S200-97	12	35' 6"	28' 2"	24' 8"
362S200-97	16	32' 3"	25' 8"	22' 5"
362S200-97	24	28' 2"	22' 5"	19' 7"
362S250-97	12	37' 7"	29' 10"	26' 1"
362S250-97	16	34' 2"	27' 1"	23' 8"
362S250-97	24	29' 10"	23' 8"	20' 8"

These tables provide height limitations for wall framing, alone. Values on this page apply to wide flange studs (1-5/8", 2", 2-1/2") and metal thicknesses (33, 43, 54, 68 and 97 mil).

Non-composite table notes:

1. Limiting heights based upon a fully braced section (see note 6 below), if section is not fully braced on both flanges, please use the AISIWIN software available at www.clarkwestern.com, or contact our Technical Support line at 888-437-3244 for the limiting height and maximum spacing of lateral bracing for the specific condition.
2. Values based on Fy=33 ksi.
3. Lateral loads have not been modified for strength or deflection checks.
4. Reference ASTM C754 section 5.3 for the requirements of stud to track connections. Reference ASTM C754 section 5.2 for requirements of runners (track) connections to the building structure.
5. Adding additional horizontal bridging will not reduce the actual deflection in the wall. To reduce the deflection of a wall stud either a heavier member is required or an intermediate structural support must be provided.
6. A sufficient diaphragm, such as screw-attached gypsum board on both sides, may serve as an adequate means of bracing the stud pending the determination of the gypsum supplier or a design professional. Horizontal mechanical bridging would be required if the sheathing diaphragm is not structurally sufficient. In addition, horizontal bridging may be required during the construction phase of a tall wall in order to keep it plumb and true.

6" Structural stud non-composite – Allowable wall heights - 5 PSF (interior)

Members	Spacing (in) o.c.	5 psf		
		L/120	L/240	L/360
600S162-33	12	36' 1"	28' 8"	25' 0"
600S162-33	16	32' 9"	26' 0"	22' 9"
600S162-33	24	27' 7"	22' 9"	19' 10"
600S200-33	12	37' 9"	30' 0"	26' 2"
600S200-33	16	34' 4"	27' 3"	23' 10"
600S200-33	24	28' 7"	23' 10"	20' 10"
600S162-43	12	39' 4"	31' 2"	27' 3"
600S162-43	16	35' 9"	28' 4"	24' 9"
600S162-43	24	31' 2"	24' 9"	21' 8"
600S200-43	12	41' 3"	32' 9"	28' 7"
600S200-43	16	37' 6"	29' 9"	26' 0"
600S200-43	24	32' 9"	26' 0"	22' 9"
600S250-43	12	43' 3"	34' 4"	30' 0"
600S250-43	16	39' 3"	31' 2"	27' 3"
600S250-43	24	34' 4"	27' 3"	23' 10"
600S162-54	12	42' 2"	33' 6"	29' 3"
600S162-54	16	38' 4"	30' 5"	26' 7"
600S162-54	24	33' 6"	26' 7"	23' 3"
600S200-54	12	44' 4"	35' 2"	30' 9"
600S200-54	16	40' 3"	32' 0"	27' 11"
600S200-54	24	35' 2"	27' 11"	24' 5"
600S250-54	12	46' 5"	36' 10"	32' 2"
600S250-54	16	42' 2"	33' 6"	29' 3"
600S250-54	24	36' 10"	29' 3"	25' 7"
600S162-68	12	45' 3"	35' 11"	31' 4"
600S162-68	16	41' 1"	32' 7"	28' 6"
600S162-68	24	35' 11"	28' 6"	24' 11"
600S200-68	12	47' 7"	37' 9"	33' 0"
600S200-68	16	43' 2"	34' 3"	29' 11"
600S200-68	24	37' 9"	29' 11"	26' 2"
600S250-68	12	49' 10"	39' 7"	34' 7"
600S250-68	16	45' 4"	35' 11"	31' 5"
600S250-68	24	39' 7"	31' 5"	27' 5"
600S162-97	12	50' 1"	39' 9"	34' 9"
600S162-97	16	45' 6"	36' 2"	31' 7"
600S162-97	24	39' 9"	31' 7"	27' 7"
600S200-97	12	52' 10"	41' 11"	36' 7"
600S200-97	16	48' 0"	38' 1"	33' 3"
600S200-97	24	41' 11"	33' 3"	29' 1"
600S250-97	12	55' 5"	44' 0"	38' 5"
600S250-97	16	50' 4"	40' 0"	34' 11"
600S250-97	24	44' 0"	34' 11"	30' 6"