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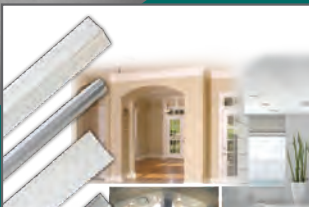
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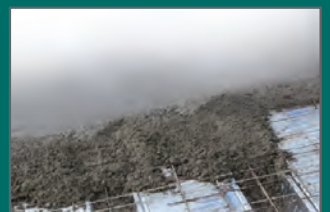
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LIGHTWEIGHT STEEL FRAMING MEMBER SECTION TABLES

58-2018 June 2018

Prepared for: Canadian Sheet Steel Building Institute

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Preface:

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Founded in 1950, Bailey Metal Products Limited is a family owned and operated Canadian company. The Bailey Group of Companies is recognized as the industry leader, offering building solutions to both the commercial and residential construction markets. Our products include Structural Lightweight Steel Framing (LSF), Non-Loadbearing Steel Framing, Steel Framing Accessories, Connectors & Clips, COMSLAB Steel Composite Concrete Floor, Drywall Trims and Accessories.

Our team stands ready to provide products and technical support that meet your building team's needs. We would love to collaborate with you to satisfy your sound, structural or other performance requirements.



Canadian Sheet Steel Building Institute
A division of the Canadian Institute of Steel Construction

CSSBI is Canada's foremost authority on sheet steel, its products, and its many applications. They are an industry association responsible for the development and dissemination of industry standards. A source for technical information and resources, they provide expert guidance to the general public and sheet steel manufacturers alike.

Canadian Sheet Steel Building Institute • www.cssbi.ca • info@cssbi.ca • (519) 650-1285

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GENERAL NOTES

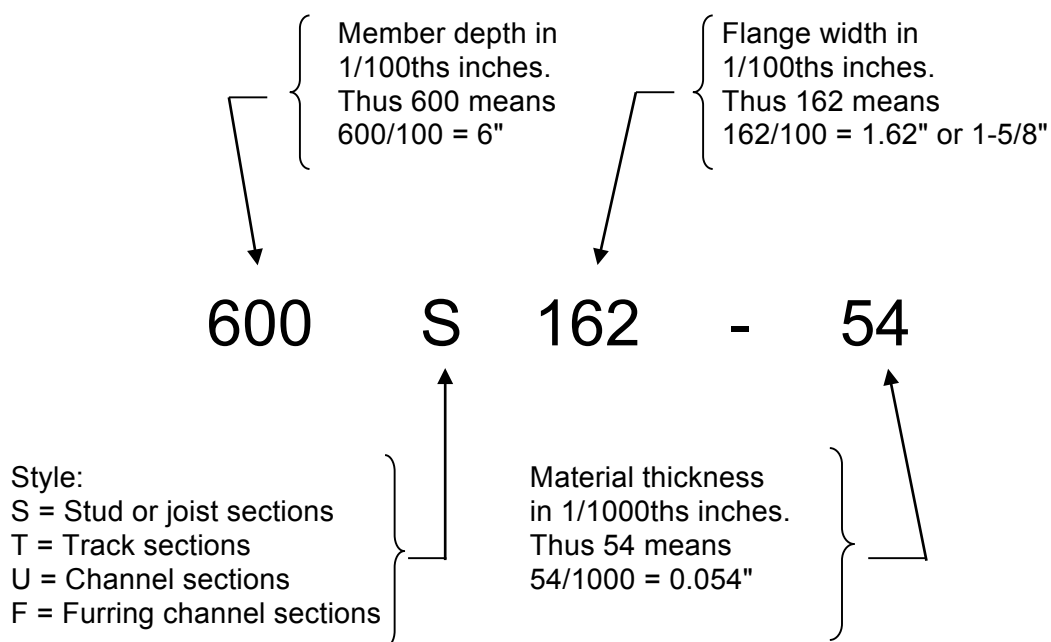
1. INTRODUCTION

The technical data in this publication is intended as an aid to the design professional and should not be used to replace the judgement of a qualified Engineer or Architect.

2. PRODUCT DESIGNATOR

Lightweight steel framing manufacturers in Canada use a common designator method for identifying their products. The designator is a four-part code that identifies depth, flange width, member type and material thickness. This designator (based on Imperial units) is used for both SI metric and Imperial units.

Example: 600S162-54



3. MANUFACTURER CERTIFICATION AND PRODUCT MARKING

- 3.1 **Lightweight steel framing manufacturers who are members of the CSSBI and adhere to the CSSBI Manufacturer Certification Requirements for Cold Formed Steel Framing Members are the only companies that have authorization from the CSSBI to utilize these tables.**

Under the *CSSBI Manufacturer Certification Program*, a participating manufacturer certifies that the designated structural and non-structural cold formed steel (CFS) framing members it produces meet or exceed the relevant ASTM International (ASTM), Canadian Standards Association (CSA) and American Iron and Steel Institute (AISI) standard requirements. The manufacturer's products are validated through an independent 3rd party review of the products and production practices, by appropriate testing and inspection.

3.2 Marking:

Individual products shall have a legible label, stencil, or embossment on the member with the following minimum information:

- (a) Initials "CSSBI";
- (b) Manufacturer's identification (2 or 3 letters);
- (c) Designation steel thickness (in mils) exclusive of protective coatings; and,
- (d) A reference number identifying the source coil.

Example: "CSSBI-XYZ-33 ABCD" would be a 33 mil thick product manufactured by XYZ company who is a CSSBI Manufacturer Member from a coil that can be traced through the reference number "ABCD".

Additional information may also be included at the discretion of the manufacturer.

4. SECTION GEOMETRIES

4.1 Section geometries are identified by the product designator method described in Section 2.

4.2 Stud, joist, track and U-channel members shall be cold formed to shape from sheet steel with a minimum base steel thickness and inside bend radius as follows:

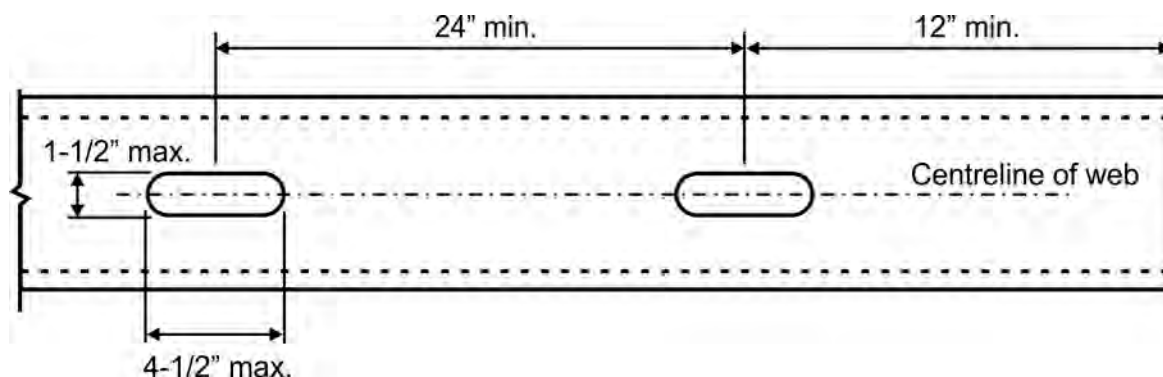
Designation Thickness (mil)	Minimum Base Steel Thickness (in.)	Base Steel Design Thickness (in.)	Inside Bend Radius (in.)
18	0.0179	0.0188	0.0843
33	0.0329	0.0346	0.0764
43	0.0428	0.0451	0.0712
54	0.0538	0.0566	0.0849
68	0.0677	0.0713	0.1069
97	0.0966	0.1017	0.1525

4.3 Stud and joist lip lengths based on the flange width are as follows:

Section	Flange Width (in.)	Lip Length (in.)
S125	1.250	0.1875
S162	1.625	0.500
S200	2.000	0.625
S250	2.500	0.625
S300	3.000	0.625

5. SECTION PROPERTIES

- 5.1 Structural properties are based on Limit States Design (LSD) of the CSA Standard S136-16, *North American Specification for the Design of Cold-Formed Steel Structural Members*, 2016 edition (S136-16).
- 5.2 Steel shall conform to the requirements of S136-16, AISI S220-15 *North American Standard for Cold-Formed Steel Framing - Nonstructural Members* and AISI S240-15 *North American Standard for Cold-Formed Steel Structural Framing*. Products with a design thicknesses less than or equal to 0.0451" shall have a minimum yield strength of 33 ksi and products with a design thicknesses equal to or greater than 0.0566" shall have a minimum yield strength of 50 ksi.
- 5.3 Section properties are computed for the base steel design thicknesses (exclusive of coating) shown in the tables.
- 5.4 When provided, factory punchouts shall be located along the centreline of the webs of the members and shall have a minimum centre-to-centre spacing of 24". Punchouts for members greater than 2.5" deep are a maximum of 1.5" wide by 4.5" in length. Any configuration or combination of holes that fit within the punchout width and length limitations stated above shall be permitted; other punchout configurations and locations not in compliance with the stated limitations must be approved by a design professional.



- 5.5 Increase in yield strength from cold work of forming has been included whenever applicable.
- 5.6 The effective moment of inertia for deflection, I_{xd} , is based on local buckling at an assumed specified live load stress of $0.6F_y$. This moment of inertia is only appropriate for checking serviceability limit states.

6. SYMBOLS

Gross Properties

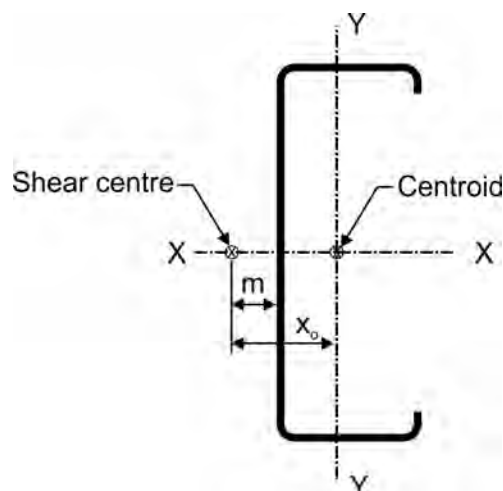
I_x	Moment of inertia about x-axis
I_y	Moment of inertia about y-axis
r_x	Radius of gyration about x-axis
r_y	Radius of gyration about y-axis
V_{rg}	Factored shear resistance along y-axis of unperforated section

Effective Properties

I_{xd}	Moment of inertia about x-axis for deflection calculations
M_{rx}	Factored moment resistance for track, U-channel and furring channel sections based on local buckling
M_{rxDB}	Factored moment resistance about x-axis based on distortional buckling, assuming $K_\phi = 0$
M_{rxLB}	Factored moment resistance about x-axis based on local buckling
M_{ryDB}	Factored moment resistance about y-axis based on distortional buckling with lip in compression
M_{ryLB}	Factored moment resistance about y-axis based on local buckling with web/lip in compression
S_{xe}	Effective section modulus about x-axis
V_m	Factored shear resistance along y-axis of perforated section

Torsional and other Properties

β	$1 - (x_o/r_o)^2$
C_w	Torsional warping constant
J	Saint-Venant torsion constant. The values shown in the tables have been multiplied by 1,000. To obtain the actual values, divide table values by 1,000
L_u	Limiting unbraced length below which lateral-torsional buckling is not considered
m	Distance from shear centre to mid-plane of web
r_o	Polar radius of gyration about shear centre
x_o	Distance from shear centre to centroid along principle x-axis



Web Depth to Thickness Ratio (h/t)

Designation Thickness (mil)	18		33		43		54		68		97	
Design Thickness (in.)	0.0188		0.0346		0.0451		0.0566		0.0713		0.1017	
Section Depth (in.)	h(in.)	h/t	h(in.)	h/t	h(in.)	h/t	h(in.)	h/t	h(in.)	h/t	h(in.)	h/t
1.625	1.42	75.5										
2.50	2.29	122										
3.625	3.42	182	3.40	98.3	3.39	75.2	3.34	59.0	3.27	45.8	3.12	30.6
4	3.79	202 ¹	3.78	109	3.77	83.5	3.72	65.7	3.64	51.1	3.49	34.3
6	5.79	*	5.78	167	5.77	128	5.72	101	5.64	79.2	5.49	54.0
8			7.78	225 ¹	7.77	172	7.72	136	7.64	107	7.49	73.7
10			9.78	*	9.77	217 ¹	9.72	172	9.64	135	9.49	93.3
12			11.8	*	11.8	*	11.7	207 ¹	11.6	163	11.5	113
14			13.8	*	13.8	*	13.7	242 ¹	13.6	191	13.5	133

¹ h/t exceeds 200; * h/t exceeds 260

7. DESIGN EXAMPLES**7.1 LOAD BEARING WALL STUDS – Concentric load only****Given:**

Specified (unfactored) Loads: Axial live load (L) = 4.8 kips/stud
Axial dead load (D) = 2.0 kips/stud

Stud height = 14'-0"

Stud spacing = 16" o.c.

Assume studs are braced by bridging only

Select a stud section

Solution:

Factored load combination = 1.25D + 1.5L

$C_f = 1.25(2.0) + 1.5(4.8) = 9.70 \text{ kips/stud}$

Try 600S162-68 studs at 16" o.c.

From Combined Axial and Lateral Load table, the limiting factored compressive resistance for 0 psf factored lateral load

$C_r = 10.4 \text{ kips/stud}$

Since $C_r = 10.4 \text{ kips/stud} > C_f = 9.70 \text{ kips/stud} \therefore \text{OK}$

Conclusion:

Use **600S162-68** section spaced at 16" o.c. with 3 bridging lines arranged so that the maximum spacing does not exceed 48" o.c.

7.2 LOAD BEARING WALL STUDS – Combined loading

Given:

Specified (unfactored) Loads: Axial live load (L) = 3.6 kips/stud
 Axial dead load (D) = 1.8 kips/stud
 Wind load (W) = 25 psf

Stud height = 10'-0"

Stud spacing = 16" o.c.

Deflection limit = L/600

Assume studs are braced by bridging only

Select a stud section

Solution:

Try 600S162-54 studs at 16" o.c.

1) Dead load only

Factored load combination = 1.4D

C_f (factored axial load) = 1.4D = 1.4(1.8) = 2.52 kips/stud

From Combined Axial and Lateral Load table, the limiting factored compressive resistance for 0 psf factored lateral load

C_r = 8.24 kips/stud

Since C_r = 8.24 kips/stud > C_f = 2.52 kips/stud ∴ **OK**

2) Dead + Wind + Live Load

a) Factored load combination # 1 = 1.25D + 1.5L + 0.4W

W_f (factored wind load) = 0.4W
 = 0.4(25) = 10.0 psf

C_f (factored axial load) = 1.25D + 1.5L
 = 1.25(1.8) + 1.5(3.6)
 = 7.65 kips/stud

From Combined Axial and Lateral Load table, the limiting factored compressive resistance for 10 psf factored lateral load

C_r = 7.67 kips/stud

Since C_r = 7.67 kips/stud > C_f = 7.65 kips/stud ∴ **OK**

b) Factored load combination # 2 = 1.25D + 0.5L + 1.4W

W_f (factored wind load) = 1.4W
 = 1.4(25) = 35.0 psf

C_f (factored axial load) = 1.25D + 0.5L
 = 1.25(1.8) + 0.5(3.6)
 = 4.05 kips/stud

From Combined Axial and Lateral Load table, the limiting factored compressive resistance for 30 and 40 psf factored lateral load

C_r = 6.57 kips/stud (for 30 psf)

C_r = 6.04 kips/stud (for 40 psf)

By interpolation for 35 psf, C_r = 6.31 kips/stud > 4.05 kips/stud ∴ **OK**

3) Web crippling check

From Single Span Curtain Wall Limiting Heights table for a 25 psf specified wind load, web crippling does not control.

4) Deflection check (L/600)

From Single Span Curtain Wall Limiting Heights table, the limiting stud height for a specified wind load of 25 psf and a deflection limit of L/600 is 14'-4".

Since 14'-4" > 10'-0" ∴ **OK**

Conclusion:

Use **600S162-54** section spaced at 16" o.c. with 2 bridging lines arranged so that the maximum spacing does not exceed 48" o.c.

7.3 FLOOR JOIST – Single span

Given:

Specified (unfactored) Loads:	Live load (L)	= 40 psf
	Dead load (D)	= 15 psf

Single span length = 16'-0"

Joist spacing = 16" o.c.

Deflection limit = L/360

Select a joist section

Solution:

Strength

Factored load combination = 1.25D + 1.5L

$P_f = 1.25(15) + 1.5(40) = 78.8$ psf

Try 800S162-54 joists at 16" o.c.

From Floor Joist Load table, the factored uniformly distributed single span

Strength Resistance = 91 psf

Since 91 psf > 78.8 psf ∴ **OK**

Deflection

From Floor Joist Load table, the specified uniformly distributed single span L/360 deflection load is 44 psf

Since 44 psf > 40 psf ∴ **OK**

Conclusion:

Use **800S162-54** section spaced at 16" o.c. Web stiffeners are not required based on an end bearing length of 3.5". If end bearing length is less than 3.5", web crippling must be checked.

7.4 CURTAIN WALL – Single span

Given:

Specified (unfactored) wind load = 30 psf

Stud height = 12'-0"

Stud spacing = 24" o.c.

Deflection limit = L/360

Select a stud section

Solution:

Try 600S162-43 studs at 24" o.c.

From Single Span Curtain Wall Limiting Heights table under 30 psf specified wind load, the limiting stud height is 12'-4"

Since 12'-4" > 12'-0" ∴ **OK**

Conclusion:

Use **600S162-43** section spaced at 24" o.c. Web stiffeners are not required.

7.5 CURTAIN WALL – Double span

Given:

Specified (unfactored) wind load = 50 psf

Stud height = 10'-0"

Stud spacing = 24" o.c.

Deflection limit = L/360

Select a stud section

Solution:

Try 800S162-43 studs at 24" o.c.

From Double Span Curtain Wall Limiting Heights table under 50 psf specified wind load, the limiting stud height is 10'-3"

Since 10'-3" > 10'-0" ∴ **OK**

Conclusion:

Use **800S162-43** section spaced at 24" o.c. Web stiffeners are required at end and interior supports.

7.6 USE OF WEB CRIPPLING DATA TABLE – Single Web Member

Given:

Single web C-section

Depth = 8 in.

Designation thickness = 54 mil; Base Design Thickness, $t = 0.0566$ in.

Bearing length, $N = 3$ in.

Determine the factored end-one-flange (EOF) web crippling resistance.

Solution:

From the Factored Web Crippling Data table for Single Web Members

$P_{eo1} = 305$ lb; $P_{eo2} = 107$ lb

$$P_{rEOF} = P_{eo1} + P_{eo2} \sqrt{\frac{N}{t}} = 305 + 107 \sqrt{\frac{3}{0.0566}} = \underline{1,084 \text{ lb}}$$

Conclusion:

The factored end-one-flange (EOF) web crippling resistance, $P_{rEOF} = \underline{1,084 \text{ lb}}$.

Stud Section Properties

Table Notes

- 1 Inside bend radius values are shown in the General Notes.
- 2 Gross section properties are based on the full-unreduced cross section of the stud sections, away from the punchouts.
- 3 The factored moment resistance for design is based on the lesser of local and distortional buckling. Distortional buckling is based on an assumed rotational stiffness of $K_{\phi} = 0$.

GROSS											PERFORATED EFFECTIVE						TORSIONAL									
Stud Designation	Lip (in.)	Base Design Thickness (in.)	F _y (ksi)	Weight (lb/ft)	Area (in. ²)	I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	V _{rg} (kip)	I _{xd} (in. ⁴)	S _{xo} (in. ³)	M _{rxLB} (k-in.)	M _{rxDB} (k-in.)	V _m (kip)	M _{ryLB} web comp. (k-in.)	M _{ryLB} lip comp. (k-in.)	M _{ryDB} lip comp. (k-in.)	Jx1000 (in. ⁴)	C _w (in. ⁶)	x _o (in.)	m (in.)	r _o (in.)	β	L _u (in.)	
162S125-18	0.188	0.0188	33	0.273	0.0802	0.0378	0.686	0.0160	0.447	0.387	0.0330	0.0307	0.912	0.865	0.127	0.523	0.532	0.443	0.00944	0.00918	1.03	0.594	1.32	0.388	29.0	
162S125-33	0.188	0.0346	33	0.495	0.145	0.0671	0.679	0.0281	0.440	0.769	0.0660	0.0692	2.06	1.92	0.134	0.931	0.931	0.988	0.0580	0.0517	1.01	0.583	1.29	0.391	29.2	
250S125-18	0.188	0.0188	33	0.329	0.0966	0.0993	1.01	0.0186	0.439	0.329	0.0880	0.0594	1.77	1.38	0.250	0.538	0.597	0.457	0.0114	0.0233	0.904	0.543	1.43	0.599	28.9	
250S125-33	0.188	0.0346	33	0.598	0.176	0.178	1.01	0.0327	0.431	1.248	0.175	0.125	3.72	3.16	0.510	1.02	1.05	1.03	0.0701	0.0404	0.885	0.532	1.41	0.605	28.8	
250S125-43	0.188	0.0451	33	0.772	0.227	0.228	1.00	0.0413	0.426	1.62	0.225	0.177	5.24	4.48	0.505	1.32	1.32	1.39	0.154	0.0504	0.873	0.525	1.40	0.608	28.8	
362S125-18	0.188	0.0188	33	0.401	0.118	0.234	1.41	0.0209	0.421	0.221	0.210	0.0747	2.22	2.07	0.209	0.540	0.614	0.475	0.0139	0.0539	0.786	0.490	1.67	0.778	28.8	
362S125-33	0.188	0.0346	33	0.730	0.215	0.421	1.40	0.0366	0.413	1.31	0.414	0.182	5.40	4.89	0.667	1.03	1.08	1.08	0.0856	0.0939	0.769	0.480	1.65	0.783	28.5	
362S125-43	0.188	0.0451	33	0.945	0.278	0.541	1.40	0.0463	0.408	2.22	0.535	0.269	7.98	7.05	0.864	1.35	1.36	1.46	0.188	0.118	0.758	0.473	1.64	0.786	28.4	
362S125-54	0.188	0.0566	50	1.17	0.344	0.661	1.39	0.0552	0.400	4.31	0.655	0.321	14.4	12.5	1.30	2.44	2.45	2.63	0.167	0.142	0.744	0.466	1.62	0.790	22.8	
362S162-33	0.500	0.0346	33	0.892	0.262	0.551	1.45	0.0993	0.616	1.31	0.551	0.268	7.95	7.79	0.667	2.38	2.53	2.64	0.105	0.297	1.31	0.789	2.05	0.592	42.6	
362S162-43	0.500	0.0451	33	1.16	0.340	0.710	1.45	0.127	0.611	2.22	0.710	0.372	11.0	10.9	0.864	3.13	3.23	3.46	0.230	0.376	1.30	0.782	2.04	0.594	42.5	
362S162-54	0.500	0.0566	50	1.44	0.422	0.873	1.44	0.154	0.604	4.31	0.873	0.443	20.0	19.3	1.30	5.78	5.94	6.37	0.451	0.457	1.28	0.774	2.02	0.597	34.4	
362S162-68	0.500	0.0713	50	1.78	0.524	1.07	1.43	0.186	0.596	5.59	1.07	0.574	25.8	25.4	1.29	7.12	7.13	7.67	0.887	0.552	1.26	0.765	2.00	0.600	34.4	
362S162-97	0.500	0.1017	50	2.46	0.724	1.44	1.41	0.241	0.577	7.61	1.44	0.776	41.4*	41.4	1.12	9.17	9.17	9.93	2.50	0.723	1.23	0.745	1.95	0.606	31.5	
362S200-33	0.625	0.0346	33	1.01	0.297	0.648	1.48	0.177	0.772	1.31	0.637	0.294	8.73	8.96	0.667	3.58	3.69	3.79	0.118	0.577	1.74	1.03	2.41	0.478	53.5	
362S200-43	0.625	0.0451	33	1.31	0.385	0.836	1.47	0.227	0.767	2.22	0.836	0.427	12.7	12.6	0.864	4.74	4.92	5.28	0.261	0.734	1.73	1.02	2.40	0.480	53.5	
362S200-54	0.625	0.0566	50	1.63	0.479	1.03	1.47	0.277	0.761	4.31	1.03	0.489	22.0	22.2	1.30	8.80	9.10	9.39	0.511	0.896	1.72	1.02	2.38	0.482	43.3	
362S200-68	0.625	0.0713	50	2.03	0.595	1.27	1.46	0.337	0.753	5.59	1.27	0.666	30.0	29.5	1.29	11.0	11.9	11.9	1.01	1.09	1.70	1.01	2.36	0.484	43.3	
362S200-97	0.625	0.1017	50	2.81	0.826	1.71	1.44	0.446	0.735	7.61	1.71	0.929	48.1*	48.2	1.12	14.5	14.5	15.7	2.85	1.44	1.66	0.986	2.32	0.487	40.4	
362S250-33	0.625	0.0346	33	1.13	0.331	0.760	1.51	0.299	0.951	1.31	0.715	0.315	9.36	9.56	0.667	4.93	5.10	4.68	0.132	0.965	2.21	1.28	2.84	0.395	64.1	
362S250-43	0.625	0.0451	33	1.46	0.430	0.980	1.51	0.385	0.946	2.22	0.973	0.449	13.3	13.6	0.864	6.53	6.80	6.63	0.292	1.23	2.20	1.28	2.83	0.396	64.1	
362S250-54	0.625	0.0566	50	1.82	0.535	1.21	1.50	0.473	0.940	4.31	1.16	0.514	23.1	23.8	1.30	12.2	12.6	11.7	0.571	1.51	2.18	1.27	2.81	0.397	51.9	
362S250-68	0.625	0.0713	50	2.27	0.666	1.49	1.50	0.578	0.931	5.59	1.47	0.689	31.0	31.8	1.29	15.3	15.4	15.6	1.13	1.84	2.17	1.26	2.79	0.398	52.0	
362S250-97	0.625	0.1017	50	3.16	0.927	2.03	1.48	0.773	0.913	7.61	2.03	1.05	52.9*	48.7	1.12	20.4	20.4	22.3	3.20	2.45	2.13	1.24	2.75	0.401	49.3	
362S300-33	0.625	0.0346	33	1.25	0.366	0.871	1.54	0.463	1.13	1.31	0.781	0.328	9.74	9.98	0.667	6.45	6.69	5.54	0.146	1.48	2.69	1.54	3.30	0.336	74.2	
362S300-43	0.625	0.0451	33	1.62	0.475	1.12	1.54	0.596	1.12	2.22	1.06	0.459	13.6	14.3	0.864	8.55	8.91	7.91	0.322	1.89	2.67	1.53	3.28	0.336	74.3	
362S300-54	0.625	0.0566	50	2.01	0.592	1.39	1.53	0.734	1.11	4.31	1.26	0.528	23.8	25.0	1.30	16.0	16.6	13.9	0.632	2.32	2.66	1.52	3.27	0.337	60.2	
362S300-68	0.625	0.0713	50	2.51	0.738	1.72	1.53	0.900	1.11	5.59	1.62	0.716	32.2	33.7	1.29	20.1	20.3	18.8	1.25	2.83	2.64	1.51	3.24	0.337	60.3	
362S300-97	0.625	0.1017	50	3.50	1.03	2.34	1.51	1.21	1.09	7.61	2.31	1.15	51.7	52.3	1.12	27.1	27.1	28.9	3.55	3.80	2.60	1.49	3.20	0.338	60.8	
400S125-18	0.188	0.0188	33	0.425	0.125	0.294	1.54	0.0214	0.414	0.199	0.264	0.0829	2.46	2.31	0.199	0.542	0.628	0.481	0.0147	0.0676	0.754	0.475	1.76	0.817	28.7	
400S125-33	0.188	0.0346	33	0.774	0.228	0.531	1.53	0.0377	0.407	1.25	0.523	0.203	6.02	5.48	0.760	1.04	1.10	1.09	0.0908	0.118	0.738	0.465	1.74	0.821	28.4	
400S125-43	0.188	0.0451	33	1.00	0.295	0.682	1.52	0.0476	0.402	2.22	0.675	0.301	8.95	7.94	1.04	1.36	1.39	1.47	0.200	0.148	0.727	0.459	1.73	0.824	28.2	
400S125-54	0.188	0.0566	50	1.24	0.365	0.836	1.51	0.0567	0.394	4.31	0.828	0.361	16.2	14.1	1.56	2.46	2.51	2.66	0.390	0.178	0.713	0.451	1.72	0.828	22.7	
400S162-33	0.500	0.0346	33	0.936	0.275	0.692	1.59	0.103	0.611	1.25	0.692	0.299	8.87	8.71	0.760	2.39	2.59	2.67	0.110	0.363	1.26	0.768	2.12	0.644	42.3	
400S162-43	0.500	0.0451	33	1.21	0.357	0.892	1.58	0.131	0.606	2.22	0.892	0.417	12.4	12.3	1.04	3.15	3.31	3.50	0.242	0.460	1.25	0.761	2.11	0.647	42.1	
400S162-54	0.500	0.0566	50	1.51	0.443	1.10	1.57	0.159	0.600	4.31	1.10	0.497	22.4	21.7	1.56	5.83	6.08	6.44	0.473	0.560	1.24	0.754	2.09	0.649	34.0	
400S162-68	0.500	0.0713	50	1.87	0.550	1.35	1.56	0.192	0.591	6.24	1.35	0.648	29.2	28.7	1.74	7.21	7.31	7.76	0.933	0.677	1.22	0.745	2.07	0.653	34.0	
400S162-97	0.500	0.1017	50	2.59	0.762	1.81	1.54	0.250	0.572	8.52	1.81	0.892	47.6*	47.6	1.55	9.42	9.42	10.1	2.627	0.889	1.18	0.725	2.03	0.660	31.1	
400S200-33	0.625	0.0346	33	1.																						

Stud Designation	Lip (in.)	Base Design Thickness (in.)	F _y (ksi)	Weight (lb/ft)	Area (in. ²)	GROSS				PERFORATED EFFECTIVE										TORSIONAL					
						I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	V _{rg} (kip)	I _{kd} (in. ⁴)	S _{xe} (in. ³)	M _{rxLB} (k-in.)	M _{ryLB} (k-in.)	M _{rxDB} (k-in.)	V _m (kip)	M _{ryLB} web comp. (k-in.)	M _{ryLB} lip comp. (k-in.)	M _{ryDB} lip comp. (k-in.)	Jx1000 (in. ⁴)	C _w (in. ⁶)	x ₀ (in.)	m (in.)	r ₀ (in.)	β
600S125-33	0.188	0.0346	33	1.01	0.297	1.41	2.18	0.0416	0.375	0.815	1.34	0.369	11.0	8.60	0.815	1.06	1.13	0.118	0.300	0.608	0.399	2.29	0.930	27.5	
600S125-43	0.188	0.0451	33	1.31	0.385	1.82	2.17	0.0526	0.370	1.81	1.79	0.554	16.5	12.7	1.58	1.39	1.53	0.261	0.378	0.598	0.393	2.28	0.931	27.3	
600S125-54	0.188	0.0566	50	1.63	0.479	2.24	2.16	0.0626	0.362	3.61	2.22	0.672	30.3	22.9	2.49	2.52	2.76	0.511	0.457	0.586	0.386	2.27	0.933	21.9	
600S162-33	0.500	0.0346	33	1.17	0.344	1.79	2.28	0.116	0.581	0.815	1.79	0.577	17.1	13.7	0.815	2.41	2.77	0.137	0.861	1.07	0.677	2.59	0.828	41.1	
600S162-43	0.500	0.0451	33	1.52	0.447	2.32	2.28	0.148	0.576	1.81	2.32	0.767	25.1*	19.5	1.58	3.21	3.64	0.303	1.10	1.06	0.670	2.58	0.830	38.9	
600S162-54	0.500	0.0566	50	1.89	0.556	2.86	2.27	0.181	0.570	3.61	2.86	0.915	45.6*	34.6	2.49	5.93	6.70	0.594	1.34	1.05	0.663	2.56	0.833	31.3	
600S162-68	0.500	0.0713	50	2.36	0.693	3.53	2.26	0.218	0.561	6.84	3.52	1.16	59.3*	46.7	3.68	7.40	7.86	1.17	1.63	1.03	0.655	2.54	0.835	30.8	
600S162-97	0.500	0.1017	50	3.29	0.966	4.80	2.23	0.283	0.542	13.4	4.80	1.60	85.3*	71.4	4.87	10.0	10.2	3.33	2.15	1.00	0.636	2.50	0.841	29.7	
600S200-33	0.625	0.0346	33	1.29	0.379	2.08	2.34	0.209	0.743	0.815	2.04	0.621	18.4	15.7	0.815	3.63	4.06	0.151	1.59	1.46	0.901	2.86	0.740	51.6	
600S200-43	0.625	0.0451	33	1.67	0.492	2.68	2.34	0.268	0.739	1.81	2.68	0.872	25.9	22.3	1.58	4.84	5.43	0.334	2.03	1.45	0.894	2.84	0.742	51.4	
600S200-54	0.625	0.0566	50	2.09	0.613	3.32	2.33	0.329	0.732	3.61	3.32	1.01	45.7	39.5	2.49	9.01	10.1	0.655	2.49	1.43	0.887	2.83	0.744	41.5	
600S200-68	0.625	0.0713	50	2.60	0.764	4.10	2.32	0.400	0.723	6.84	4.10	1.32	65.7*	53.3	3.68	11.4	12.2	1.30	3.05	1.42	0.878	2.81	0.746	39.3	
600S200-97	0.625	0.1017	50	3.63	1.07	5.61	2.29	0.530	0.705	13.4	5.61	1.87	97.0*	82.6	4.87	15.7	16.2	3.68	4.08	1.38	0.859	2.77	0.752	38.3	
600S250-33	0.625	0.0346	33	1.41	0.414	2.38	2.40	0.356	0.928	0.815	2.26	0.649	19.3	16.4	0.815	5.00	5.67	0.165	2.67	1.89	1.14	3.19	0.651	62.5	
600S250-43	0.625	0.0451	33	1.83	0.537	3.08	2.40	0.458	0.923	1.81	3.06	0.918	27.3	23.6	1.58	6.67	7.56	0.364	3.41	1.87	1.14	3.18	0.652	62.3	
600S250-54	0.625	0.0566	50	2.28	0.670	3.82	2.39	0.562	0.917	3.61	3.66	1.07	48.1	41.5	2.49	12.5	14.1	0.715	4.19	1.86	1.13	3.16	0.654	50.4	
600S250-68	0.625	0.0713	50	2.84	0.836	4.73	2.38	0.688	0.908	6.84	4.67	1.39	62.3	56.3	3.68	15.8	17.2	1.42	5.15	1.84	1.12	3.14	0.657	50.3	
600S250-97	0.625	0.1017	50	3.98	1.17	6.50	2.36	0.923	0.889	13.4	6.50	2.06	104*	88.7	4.87	22.2	23.0	4.03	6.95	1.80	1.10	3.10	0.661	47.2	
600S300-33	0.625	0.0346	33	1.53	0.448	2.69	2.45	0.552	1.11	0.815	2.45	0.663	19.7	16.8	0.815	6.53	7.48	0.179	4.09	2.33	1.39	3.56	0.572	73.0	
600S300-43	0.625	0.0451	33	1.98	0.582	3.48	2.45	0.711	1.11	1.81	3.30	0.944	28.0	24.4	1.58	8.73	10.0	0.395	5.24	2.31	1.38	3.54	0.574	72.8	
600S300-54	0.625	0.0566	50	2.47	0.726	4.32	2.44	0.875	1.10	3.61	3.94	1.11	49.8	42.9	2.49	16.4	18.6	0.775	6.45	2.30	1.37	3.53	0.575	59.0	
600S300-68	0.625	0.0713	50	3.09	0.907	5.35	2.43	1.08	1.09	6.84	5.06	1.45	65.0	58.5	3.68	20.8	22.8	1.54	7.94	2.28	1.36	3.51	0.577	58.9	
600S300-97	0.625	0.1017	50	4.32	1.27	7.38	2.41	1.45	1.07	13.4	7.25	2.25	101	93.2	4.87	29.6	30.7	4.38	10.8	2.24	1.34	3.46	0.581	58.8	
800S162-43	0.500	0.0451	33	1.83	0.537	4.63	2.94	0.160	0.546	1.34	4.48	1.02	30.3	26.5	1.34	3.23	3.66	0.364	2.08	0.926	0.601	3.13	0.912	39.8	
800S162-54	0.500	0.0566	50	2.28	0.670	5.74	2.93	0.194	0.539	2.67	5.57	1.23	55.3	47.1	2.67	5.97	6.75	0.715	2.54	0.914	0.594	3.11	0.914	32.1	
800S162-68	0.500	0.0713	50	2.84	0.836	7.09	2.91	0.235	0.530	5.39	7.05	1.66	74.8	64.5	4.30	7.47	8.14	1.42	3.09	0.898	0.586	3.09	0.916	31.8	
800S162-97	0.500	0.1017	50	3.98	1.17	9.72	2.88	0.305	0.511	13.9	9.71	2.43	109	103	7.60	10.2	10.6	4.03	4.11	0.866	0.568	3.05	0.920	31.3	
800S200-43	0.625	0.0451	33	1.98	0.582	5.30	3.02	0.292	0.708	1.34	5.30	1.29	38.4	30.5	1.34	4.87	5.63	0.395	3.80	1.28	0.811	3.35	0.855	50.3	
800S200-54	0.625	0.0566	50	2.47	0.726	6.57	3.01	0.357	0.701	2.67	6.57	1.50	67.4	54.1	2.67	9.06	10.4	0.775	4.66	1.27	0.804	3.34	0.856	40.6	
800S200-68	0.625	0.0713	50	3.09	0.907	8.14	3.00	0.435	0.692	5.39	8.14	1.96	98.0*	73.8	4.30	11.4	12.7	1.54	5.71	1.25	0.796	3.32	0.859	38.4	
800S200-97	0.625	0.1017	50	4.32	1.27	11.2	2.97	0.576	0.674	13.9	11.2	2.80	145*	117	7.60	16.0	16.8	4.38	7.68	1.21	0.777	3.28	0.863	37.2	
800S250-43	0.625	0.0451	33	2.13	0.627	6.02	3.10	0.500	0.893	1.34	5.98	1.31	39.0	32.1	1.34	6.71	7.88	0.425	6.37	1.68	1.04	3.63	0.787	61.5	
800S250-54	0.625	0.0566	50	2.66	0.783	7.47	3.09	0.614	0.886	2.67	7.17	1.52	68.6	56.7	2.67	12.5	14.7	0.836	7.85	1.66	1.04	3.62	0.789	49.7	
800S250-68	0.625	0.0713	50	3.33	0.978	9.26	3.08	0.752	0.877	5.39	9.14	2.06	92.6	77.7	4.30	15.9	17.9	1.66	9.65	1.64	1.03	3.60	0.791	49.5	
800S250-97	0.625	0.1017	50	4.67	1.37	12.8	3.05	1.01	0.857	13.9	12.8	3.05	154*	125	7.60	22.6	24.0	4.73	13.1	1.61	1.01	3.56	0.796	46.3	
800S300-43	0.625	0.0451	33	2.29	0.672	6.73	3.16	0.779	1.08	1.34	6.40	1.31	39.0	33.0	1.34	8.77	10.4	0.456	9.79	2.09	1.28	3.94	0.719	72.3	
800S300-54	0.625	0.0566	50	2.86	0.839	8.36	3.16	0.959	1.07	2.67	7.66	1.53	69.0	58.3	2.67	16.5	19.4	0.896	12.1	2.07	1.27	3.92	0.721	58.5	
800S300-68	0.625	0.0713	50	3.57	1.05	10.4	3.15	1.18	1.06	5.39	9.84	2.14	96.5	80.3	4.30	21.0	23.9	1.78	14.9	2.06	1.26	3.90	0.723	58.3	
800S300-97	0.625	0.1017	50	5.02	1.47	14.4	3.12	1.60	1.04	13.9	14.1	3.30	149	130	7.60	30.0	32.2	5.08	20.3	2.02	1.24	3.86	0.727	58.0	

* Cold work of forming applies

Joist Section Properties

Table Notes

- 1 Inside bend radius values are shown in the General Notes.
- 2 Gross section properties are based on the full-unreduced cross section of the joist sections, away from the punchouts.
- 3 The factored moment resistance for design is based on the lesser of local and distortional buckling. Distortional buckling is based on an assumed rotational stiffness of $K_\phi = 0$.

Joist Designation	Lip (in.)	Base Design Thickness (in.)	F _y (ksi)	GROSS						PERFORATED EFFECTIVE										TORSIONAL						
				Weight (lb/ft)	Area (in. ²)	I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	V _{rg} (kip)	I _{xd} (in. ⁴)	S _{xg} (in. ³)	M _{r,LTB} (k-in.)	M _{r,LTB} web comp. (k-in.)	M _{r,LTB} lip comp. (k-in.)	M _{r,LTB} lip comp. (k-in.)	M _{r,LTB} lip comp. (k-in.)	Jx1000 (in. ⁴)	C _w (in. ⁶)	x _o (in.)	m (in.)	r _o (in.)	β	L _u (in.)		
600S162-43	0.500	0.0451	33	1.52	0.447	2.32	2.28	0.148	0.576	1.81	2.32	0.767	25.1*	19.5	1.58	3.21	3.54	3.64	3.64	0.303	1.10	1.06	0.670	2.58	0.830	39.0
600S162-54	0.500	0.0566	50	1.89	0.556	2.86	2.27	0.181	0.570	3.61	2.86	0.915	45.6*	34.6	2.49	5.93	6.53	6.70	6.70	0.594	1.34	1.05	0.663	2.56	0.833	31.4
600S162-68	0.500	0.0713	50	2.36	0.693	3.53	2.26	0.218	0.561	6.84	3.53	1.16	59.3*	46.7	3.68	7.40	7.86	8.09	8.09	1.17	1.63	1.03	0.655	2.54	0.835	30.8
600S162-97	0.500	0.1017	50	3.29	0.966	4.80	2.23	0.283	0.542	13.4	4.80	1.60	85.3*	71.4	4.87	10.0	10.2	10.5	10.5	3.33	2.15	1.00	0.636	2.50	0.841	29.8
600S200-43	0.625	0.0451	33	1.67	0.492	2.68	2.34	0.268	0.739	1.81	2.68	0.872	25.9	22.3	1.58	4.84	5.43	5.54	5.54	0.334	2.03	1.45	0.894	2.84	0.742	51.4
600S200-54	0.625	0.0566	50	2.09	0.613	3.32	2.33	0.329	0.732	3.61	3.32	1.02	45.7	39.5	2.49	9.01	10.1	9.87	9.87	0.655	2.49	1.43	0.887	2.83	0.744	41.6
600S200-68	0.625	0.0713	50	2.60	0.764	4.10	2.32	0.400	0.723	6.84	4.10	1.32	65.7*	53.3	3.68	11.4	12.2	12.6	12.6	1.30	3.05	1.42	0.878	2.81	0.746	39.3
600S200-97	0.625	0.1017	50	3.63	1.07	5.61	2.29	0.530	0.705	13.4	5.61	1.87	97.0*	82.6	4.87	15.8	16.2	16.7	16.7	3.68	4.08	1.38	0.859	2.77	0.752	38.3
600S250-43	0.625	0.0451	33	1.83	0.537	3.08	2.40	0.458	0.923	1.81	3.06	0.918	27.3	23.6	1.58	6.67	7.56	6.87	6.87	0.364	3.41	1.87	1.14	3.18	0.652	62.3
600S250-54	0.625	0.0566	50	2.28	0.670	3.82	2.39	0.562	0.917	3.61	3.66	1.07	48.1	41.5	2.49	12.5	14.1	12.2	12.2	0.715	4.19	1.86	1.13	3.16	0.654	50.4
600S250-68	0.625	0.0713	50	2.84	0.836	4.73	2.38	0.688	0.908	6.84	4.67	1.39	62.3	56.3	3.68	15.8	17.2	16.3	16.3	1.42	5.15	1.84	1.12	3.14	0.657	50.3
600S250-97	0.625	0.1017	50	3.98	1.17	6.50	2.36	0.923	0.889	13.4	6.50	2.06	104*	88.7	4.87	22.2	23.0	23.8	23.8	4.03	6.95	1.80	1.10	3.10	0.661	47.2
600S300-43	0.625	0.0451	33	1.98	0.582	3.48	2.45	0.711	1.11	1.81	3.30	0.944	28.0	24.4	1.58	8.73	10.0	8.13	8.13	0.395	5.24	2.31	1.38	3.54	0.574	72.8
600S300-54	0.625	0.0566	50	2.47	0.726	4.32	2.44	0.875	1.10	3.61	3.94	1.11	49.8	42.9	2.49	16.4	18.6	14.3	14.3	0.775	6.45	2.30	1.37	3.53	0.575	59.0
600S300-68	0.625	0.0713	50	3.09	0.907	5.35	2.43	1.08	1.09	6.84	5.06	1.45	65.0	58.5	3.68	20.8	22.8	19.4	19.4	1.54	7.94	2.28	1.36	3.51	0.577	58.9
600S300-97	0.625	0.1017	50	4.32	1.27	7.38	2.41	1.45	1.07	13.4	7.25	2.25	101	93.2	4.87	29.6	30.7	30.3	30.3	4.38	10.8	2.24	1.34	3.46	0.581	58.8
800S162-43	0.500	0.0451	33	1.83	0.537	4.64	2.94	0.160	0.546	1.34	4.48	1.02	30.3	26.5	1.34	3.23	3.66	3.72	3.72	0.364	2.08	0.926	0.601	3.13	0.912	39.8
800S162-54	0.500	0.0566	50	2.28	0.670	5.74	2.93	0.194	0.539	2.67	5.57	1.23	55.3	47.1	2.67	5.97	6.75	6.85	6.85	0.715	2.54	0.914	0.594	3.11	0.914	32.1
800S162-68	0.500	0.0713	50	2.84	0.836	7.09	2.91	0.235	0.530	5.39	7.05	1.66	74.8	64.5	4.30	7.47	8.14	8.27	8.27	1.42	3.09	0.898	0.586	3.09	0.916	31.9
800S162-97	0.500	0.1017	50	3.98	1.17	9.72	2.88	0.305	0.511	13.9	9.71	2.43	109	103	7.60	10.2	10.6	10.8	10.8	4.03	4.11	0.866	0.568	3.05	0.920	31.4
800S200-43	0.625	0.0451	33	1.98	0.582	5.30	3.02	0.292	0.708	1.34	5.30	1.29	38.4	30.5	1.34	4.87	5.63	5.72	5.72	0.395	3.80	1.28	0.811	3.35	0.855	50.3
800S200-54	0.625	0.0566	50	2.47	0.726	6.57	3.01	0.357	0.701	2.67	6.57	1.50	67.4	54.1	2.67	9.06	10.4	10.2	10.2	0.775	4.66	1.27	0.804	3.34	0.856	40.7
800S200-68	0.625	0.0713	50	3.09	0.907	8.14	3.00	0.435	0.692	5.39	8.14	1.96	98.0*	73.8	4.30	11.5	12.7	12.9	12.9	1.54	5.71	1.25	0.796	3.32	0.859	38.4
800S200-97	0.625	0.1017	50	4.32	1.27	11.2	2.97	0.576	0.674	13.9	11.2	2.80	145*	117	7.60	16.0	16.8	17.1	17.1	4.38	7.68	1.21	0.777	3.28	0.863	37.2
800S250-43	0.625	0.0451	33	2.13	0.627	6.02	3.10	0.500	0.893	1.34	5.98	1.31	39.0	32.1	1.34	6.71	7.88	7.09	7.09	0.425	6.37	1.68	1.04	3.63	0.787	61.5
800S250-54	0.625	0.0566	50	2.66	0.783	7.47	3.09	0.614	0.886	2.67	7.17	1.52	68.6	56.7	2.67	12.5	14.7	12.6	12.6	0.836	7.85	1.66	1.04	3.62	0.789	49.8
800S250-68	0.625	0.0713	50	3.33	0.978	9.26	3.08	0.752	0.877	5.39	9.14	2.06	92.6	77.7	4.30	15.9	17.9	16.8	16.8	1.66	9.65	1.64	1.03	3.60	0.791	49.6
800S250-97	0.625	0.1017	50	4.67	1.37	12.8	3.05	1.01	0.857	13.9	12.8	3.05	154*	125	7.60	22.6	24.0	24.5	24.5	4.73	13.1	1.61	1.01	3.56	0.796	46.4
800S300-43	0.625	0.0451	33	2.29	0.672	6.73	3.16	0.779	1.08	1.34	6.40	1.31	39.0	33.0	1.34	8.77	10.4	8.33	8.33	0.456	9.79	2.09	1.28	3.94	0.719	72.3
800S300-54	0.625	0.0566	50	2.86	0.839	8.36	3.16	0.959	1.07	2.67	7.66	1.53	69.0	58.3	2.67	16.5	19.4	14.7	14.7	0.896	12.1	2.07	1.27	3.92	0.721	58.5
800S300-68	0.625	0.0713	50	3.57	1.05	10.4	3.15	1.18	1.06	5.39	9.84	2.14	96.5	80.3	4.30	21.0	23.9	20.0	20.0	1.78	14.9	2.06	1.26	3.90	0.723	58.3
800S300-97	0.625	0.1017	50	5.02	1.47	14.4	3.12	1.60	1.04	13.9	14.1	3.30	149	130	7.60	30.0	32.2	31.3	31.3	5.08	20.3	2.02	1.24	3.86	0.727	58.0

* Cold work of forming applies

Joist Designation	Lip (in.)	Base Design Thickness (in.)	F _y (ksi)	Weight (lb/ft)	Area (in. ²)	GROSS						PERFORATED EFFECTIVE										TORSIONAL					
						I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	V _{rg} (kip)	I _{xd} (in. ⁴)	S _{xe} (in. ³)	M _{rxLB} (k-in.)	M _{rxDB} (k-in.)	V _{rn} (kip)	M _{ryLB} web comp. (k-in.)	M _{ryLB} lip comp. (k-in.)	M _{ryDB} lip comp. (k-in.)	Jx1000 (in. ⁴)	C _w (in. ⁶)	x _o (in.)	m (in.)	r _o (in.)	β	L _u (in.)		
1000S162-54	0.500	0.0566	50	2.66	0.783	9.95	3.57	0.204	0.511	2.12	9.31	1.57	71	58.2	2.12	5.99	6.88	6.95	0.836	4.20	0.812	0.538	3.69	0.952	31.3		
1000S162-68	0.500	0.0713	50	3.33	0.978	12.3	3.55	0.247	0.502	4.27	11.9	2.15	96.9	80.9	4.27	7.50	8.31	8.39	1.66	5.12	0.798	0.531	3.67	0.953	31.0		
1000S162-97	0.500	0.1017	50	4.67	1.37	17.0	3.52	0.320	0.483	12.6	17.0	3.27	147	132	9.17	10.2	10.8	10.9	4.73	6.83	0.768	0.514	3.63	0.955	30.4		
1000S200-54	0.625	0.0566	50	2.86	0.839	11.3	3.67	0.378	0.671	2.12	10.6	1.70	76.7	67.7	2.12	9.09	10.7	10.4	0.896	7.67	1.14	0.737	3.90	0.915	39.8		
1000S200-68	0.625	0.0713	50	3.57	1.05	14.0	3.65	0.460	0.662	4.27	13.6	2.42	109	93.5	4.27	11.5	13.0	13.2	1.78	9.40	1.12	0.729	3.88	0.917	39.6		
1000S200-97	0.625	0.1017	50	5.02	1.47	19.3	3.62	0.610	0.643	12.6	19.3	3.74	168	151	9.17	16.1	17.2	17.4	5.08	12.7	1.09	0.711	3.84	0.920	39.0		
1000S250-54	0.625	0.0566	50	3.05	0.896	12.7	3.76	0.653	0.854	2.12	12.2	1.88	84.5	71.5	2.12	12.6	15.1	12.9	0.957	12.9	1.51	0.958	4.14	0.868	49.1		
1000S250-68	0.625	0.0713	50	3.81	1.12	15.8	3.75	0.799	0.844	4.27	15.6	2.77	124	98.8	4.27	16.0	18.4	17.2	1.90	15.9	1.49	0.950	4.12	0.870	48.8		
1000S250-97	0.625	0.1017	50	5.36	1.58	21.8	3.72	1.07	0.825	12.6	21.8	4.18	211*	161	9.17	22.7	24.7	25.0	5.43	21.6	1.45	0.932	4.08	0.873	45.6		
1000S300-54	0.625	0.0566	50	3.24	0.953	14.1	3.85	1.02	1.04	2.12	12.8	1.90	85.5	73.6	2.12	16.5	20.0	15.1	1.02	19.9	1.89	1.19	4.41	0.816	58.0		
1000S300-68	0.625	0.0713	50	4.06	1.19	17.5	3.83	1.26	1.03	4.27	16.6	2.80	126	102	4.27	21.1	24.6	20.5	2.02	24.6	1.87	1.18	4.39	0.818	57.8		
1000S300-97	0.625	0.1017	50	5.71	1.68	24.3	3.81	1.70	1.01	12.6	23.9	4.50	202	167	9.17	30.2	33.2	32.1	5.78	33.6	1.84	1.16	4.35	0.821	57.4		
1200S162-68	0.500	0.0713	50	3.81	1.12	19.5	4.17	0.255	0.477	3.54	18.3	2.64	119	95.2	3.54	7.52	8.42	8.48	1.90	7.74	0.719	0.485	4.26	0.972	30.2		
1200S162-97	0.500	0.1017	50	5.36	1.58	27.0	4.14	0.332	0.459	10.4	26.6	4.09	184	159	9.47	10.3	11.0	11.0	5.43	10.3	0.691	0.470	4.22	0.973	29.5		
1200S200-68	0.625	0.0713	50	4.06	1.19	22.0	4.29	0.479	0.634	3.54	20.7	2.96	133	111	3.54	11.5	13.2	13.3	2.02	14.2	1.02	0.673	4.46	0.948	38.7		
1200S200-97	0.625	0.1017	50	5.71	1.68	30.4	4.26	0.635	0.615	10.4	30.1	4.66	210	184	9.47	16.1	17.5	17.7	5.78	19.1	0.987	0.656	4.42	0.950	38.1		
1200S250-68	0.625	0.0713	50	4.30	1.26	24.5	4.40	0.836	0.813	3.54	22.9	3.01	135	119	3.54	16.0	18.8	17.5	2.14	24.0	1.36	0.884	4.68	0.915	48.1		
1200S250-97	0.625	0.1017	50	6.05	1.78	34.0	4.37	1.12	0.794	10.4	33.7	5.04	227	196	9.47	22.8	25.2	25.4	6.13	32.7	1.33	0.867	4.64	0.918	47.5		
1200S300-68	0.625	0.0713	50	4.54	1.33	27.0	4.50	1.32	0.994	3.54	25.7	3.32	149	123	3.54	21.1	25.1	20.9	2.26	37.1	1.73	1.10	4.92	0.877	57.2		
1200S300-97	0.625	0.1017	50	6.40	1.88	37.6	4.47	1.79	0.975	10.4	37.0	5.83	262	205	9.47	30.3	33.9	32.7	6.48	50.9	1.69	1.09	4.88	0.880	56.7		
1400S162-68	0.500	0.0713	50	4.30	1.26	29.0	4.79	0.262	0.456	3.02	26.1	3.13	141	107	3.02	7.53	8.49	8.54	2.14	11.0	0.654	0.447	4.85	0.982	29.4		
1400S162-97	0.500	0.1017	50	6.05	1.78	40.1	4.75	0.341	0.438	8.86	38.6	4.91	221	183	8.86	10.3	11.1	11.1	6.13	14.7	0.628	0.433	4.81	0.983	28.7		
1400S200-68	0.625	0.0713	50	4.54	1.33	32.3	4.92	0.494	0.608	3.02	29.5	3.50	158	127	3.02	11.5	13.3	13.4	2.26	20.1	0.932	0.625	5.04	0.966	37.9		
1400S200-97	0.625	0.1017	50	6.40	1.88	44.9	4.88	0.655	0.590	8.86	43.4	5.58	251	213	8.86	16.2	17.7	17.8	6.48	27.2	0.904	0.609	5.00	0.967	37.3		
1400S250-68	0.625	0.0713	50	4.78	1.41	35.8	5.04	0.865	0.784	3.02	32.5	3.55	160	137	3.02	16.1	19.0	17.6	2.38	34.1	1.26	0.827	5.26	0.943	47.3		
1400S250-97	0.625	0.1017	50	6.75	1.98	49.8	5.01	1.16	0.765	8.86	48.3	6.01	270	229	8.86	22.9	25.5	25.7	6.83	46.5	1.23	0.811	5.22	0.945	46.7		
1400S300-68	0.625	0.0713	50	5.03	1.48	39.2	5.15	1.37	0.963	3.02	34.3	3.65	164	143	3.02	21.2	25.5	21.2	2.50	52.8	1.60	1.04	5.48	0.915	56.5		
1400S300-97	0.625	0.1017	50	7.09	2.08	54.7	5.12	1.85	0.943	8.86	52.2	6.37	287	240	8.86	30.4	34.4	33.1	7.19	72.4	1.57	1.02	5.44	0.917	55.9		

* Cold work of forming applies

Track Section Properties

Table Notes

- 1 Track web depths are equal to the nominal stud depth plus two times the design thickness plus the inside bend radius.
- 2 If present, hems are ignored.

Track Designation			Base Design Thickness (in.)	F _y (ksi)	Weight (lb/ft)	Area (in. ²)	I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	V _{rg}	I _{xd} (in. ⁴)	S _{xe} (in. ³)	M _{rx} (k-in.)	Jx1000 (in. ⁴)	C _w (in. ⁶)	x _o (in.)	m (in.)	r _o (in.)	β	L _u (in.)										
GROSS																						EFFECTIVE				TORSIONAL					
162T125-18	0.0188	33	0.264	0.0776	0.0417	0.733	0.0131	0.411	0.386	0.0292	0.0252	0.747	0.00915	0.00699	0.876	0.503	1.21	0.479	25.4												
250T125-18	0.0188	33	0.320	0.0941	0.104	1.05	0.0150	0.400	0.313	0.0766	0.0443	1.32	0.0111	0.0180	0.767	0.460	1.36	0.682	25.7												
362T125-18	0.0188	33	0.392	0.115	0.238	1.44	0.0167	0.380	0.213	0.176	0.0636	1.89	0.0136	0.0416	0.665	0.413	1.63	0.833	25.7												
362T125-33	0.0346	33	0.721	0.212	0.438	1.44	0.0301	0.377	1.31	0.381	0.174	5.17	0.0845	0.0756	0.658	0.409	1.63	0.836	25.7												
362T125-43	0.0451	33	0.939	0.276	0.571	1.44	0.0388	0.375	2.22	0.525	0.245	7.27	0.187	0.0978	0.654	0.407	1.62	0.838	25.7												
362T125-54	0.0566	50	1.18	0.346	0.723	1.45	0.0481	0.373	4.31	0.671	0.312	14.0	0.369	0.123	0.648	0.404	1.63	0.841	20.9												
362T125-68	0.0713	50	1.48	0.436	0.921	1.45	0.0597	0.370	6.02	0.901	0.427	19.2	0.738	0.156	0.641	0.399	1.63	0.846	21.0												
362T125-97	0.1017	50	2.11	0.621	1.34	1.47	0.0822	0.364	8.48	1.34	0.675	30.4	2.14	0.226	0.626	0.390	1.64	0.854	21.4												
362T150-33	0.0346	33	0.780	0.229	0.499	1.48	0.0499	0.467	1.31	0.409	0.180	5.36	0.0914	0.124	0.854	0.522	1.77	0.766	30.9												
362T150-43	0.0451	33	1.02	0.298	0.650	1.48	0.0644	0.465	2.23	0.568	0.255	7.58	0.202	0.160	0.850	0.519	1.77	0.768	31.0												
362T150-54	0.0566	50	1.27	0.374	0.823	1.48	0.0801	0.463	4.32	0.726	0.325	14.7	0.400	0.202	0.844	0.516	1.77	0.772	25.2												
362T150-68	0.0713	50	1.60	0.471	1.05	1.49	0.100	0.460	6.02	0.982	0.449	20.2	0.799	0.257	0.836	0.511	1.77	0.777	25.3												
362T150-97	0.1017	50	2.29	0.672	1.54	1.51	0.138	0.453	8.48	1.54	0.733	33.0	2.32	0.374	0.820	0.501	1.78	0.787	25.8												
362T200-33	0.0346	33	0.897	0.264	0.619	1.53	0.110	0.645	1.31	0.458	0.190	5.65	0.105	0.269	1.27	0.754	2.09	0.631	41.0												
362T200-43	0.0451	33	1.17	0.343	0.808	1.53	0.142	0.643	2.23	0.640	0.270	8.03	0.233	0.350	1.27	0.752	2.09	0.633	41.1												
362T200-54	0.0566	50	1.47	0.431	1.02	1.54	0.177	0.641	4.32	0.820	0.345	15.5	0.460	0.442	1.26	0.748	2.09	0.638	33.4												
362T200-68	0.0713	50	1.85	0.543	1.31	1.55	0.221	0.638	6.02	1.12	0.480	21.6	0.919	0.564	1.25	0.743	2.09	0.643	33.6												
362T200-97	0.1017	50	2.63	0.773	1.92	1.58	0.308	0.632	8.48	1.82	0.804	36.2	2.67	0.825	1.23	0.732	2.10	0.655	34.3												
362T300-33	0.0346	33	1.13	0.333	0.861	1.61	0.327	0.992	1.31	0.534	0.197	5.85	0.133	0.811	2.16	1.23	2.87	0.434	60.1												
362T300-43	0.0451	33	1.48	0.434	1.12	1.61	0.425	0.990	2.22	0.753	0.290	8.61	0.294	1.05	2.15	1.23	2.86	0.435	60.4												
362T300-54	0.0566	50	1.85	0.544	1.43	1.62	0.531	0.988	4.31	0.966	0.371	16.7	0.581	1.34	2.15	1.23	2.86	0.439	49.1												
362T300-68	0.0713	50	2.33	0.685	1.82	1.63	0.665	0.985	6.02	1.34	0.519	23.4	1.16	1.71	2.14	1.22	2.86	0.443	49.5												
362T300-97	0.1017	50	3.32	0.977	2.68	1.66	0.937	0.979	8.48	2.22	0.886	39.9	3.37	2.52	2.12	1.21	2.86	0.453	50.4												
400T125-18	0.0188	33	0.416	0.122	0.298	1.56	0.0171	0.374	0.193	0.216	0.0701	2.08	0.0144	0.0520	0.637	0.400	1.73	0.864	25.6												
400T125-33	0.0346	33	0.765	0.225	0.549	1.56	0.0309	0.371	1.20	0.480	0.201	5.97	0.0897	0.0946	0.630	0.396	1.73	0.867	25.6												
400T125-43	0.0451	33	1.00	0.293	0.716	1.56	0.0398	0.369	2.22	0.660	0.282	8.37	0.198	0.122	0.626	0.394	1.72	0.868	25.6												
400T125-54	0.0566	50	1.25	0.367	0.904	1.57	0.0493	0.367	4.31	0.842	0.359	16.1	0.392	0.154	0.621	0.390	1.73	0.871	20.8												
400T125-68	0.0713	50	1.57	0.462	1.15	1.58	0.0611	0.364	6.66	1.13	0.488	22.0	0.783	0.194	0.614	0.386	1.73	0.874	20.9												
400T125-97	0.1017	50	2.24	0.659	1.67	1.59	0.0842	0.358	9.39	1.67	0.768	34.6	2.27	0.280	0.600	0.377	1.74	0.881	21.1												
400T150-33	0.0346	33	0.824	0.242	0.622	1.60	0.0513	0.460	1.20	0.514	0.208	6.19	0.0966	0.155	0.821	0.507	1.86	0.805	30.8												
400T150-43	0.0451	33	1.07	0.315	0.811	1.60	0.0662	0.458	2.23	0.711	0.293	8.71	0.214	0.200	0.817	0.504	1.86	0.807	30.9												
400T150-54	0.0566	50	1.35	0.396	1.03	1.61	0.0822	0.456	4.32	0.909	0.374	16.8	0.422	0.252	0.811	0.501	1.86	0.810	25.1												
400T150-68	0.0713	50	1.70	0.498	1.31	1.62	0.102	0.453	6.66	1.23	0.513	23.1	0.844	0.320	0.804	0.496	1.86	0.814	25.2												
400T150-97	0.1017	50	2.42	0.710	1.90	1.64	0.142	0.447	9.39	1.90	0.832	37.5	2.45	0.463	0.788	0.487	1.87	0.823	25.6												

Track Designation	Base Design Thickness (in.)	F _y (ksi)	GROSS						EFFECTIVE			TORSIONAL							
			Weight (lb/ft)	Area (in. ²)	I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	V _{rg} (kip)	I _{xd} (in. ⁴)	S _{xe} (in. ³)	M _{rx} (k-in.)	Jx1000 (in. ⁴)	C _w (in. ⁶)	x _o (in.)	m (in.)	r _o (in.)	β	L _u (in.)
400T200-33	0.0346	33	0.941	0.277	0.768	1.67	0.113	0.639	1.20	0.574	0.220	6.53	0.110	0.336	1.23	0.737	2.17	0.678	41.0
400T200-43	0.0451	33	1.23	0.360	1.00	1.67	0.146	0.637	2.23	0.800	0.311	9.23	0.244	0.437	1.22	0.734	2.16	0.680	41.1
400T200-54	0.0566	50	1.54	0.452	1.27	1.68	0.182	0.635	4.32	1.02	0.397	17.9	0.483	0.551	1.22	0.730	2.17	0.684	33.4
400T200-68	0.0713	50	1.94	0.569	1.62	1.69	0.227	0.632	6.66	1.39	0.549	24.7	0.965	0.702	1.21	0.725	2.17	0.689	33.6
400T200-97	0.1017	50	2.76	0.811	2.36	1.71	0.318	0.626	9.39	2.24	0.911	41.0	2.80	1.02	1.19	0.715	2.17	0.699	34.1
400T300-33	0.0346	33	1.18	0.346	1.06	1.75	0.338	0.989	1.20	0.670	0.218	6.48	0.138	1.01	2.10	1.21	2.91	0.478	60.4
400T300-43	0.0451	33	1.53	0.451	1.38	1.75	0.439	0.987	2.22	0.939	0.334	9.91	0.306	1.31	2.10	1.21	2.91	0.479	60.6
400T300-54	0.0566	50	1.92	0.565	1.75	1.76	0.548	0.985	4.31	1.20	0.426	19.2	0.604	1.66	2.09	1.21	2.91	0.482	49.3
400T300-68	0.0713	50	2.42	0.712	2.24	1.77	0.686	0.982	6.66	1.66	0.594	26.7	1.21	2.12	2.08	1.20	2.90	0.487	49.6
400T300-97	0.1017	50	3.45	1.01	3.28	1.80	0.967	0.976	9.39	2.73	1.00	45.2	3.50	3.11	2.06	1.19	2.90	0.497	50.4
600T125-18	0.0188	33	0.544	0.160	0.776	2.20	0.0187	0.342	0.128	0.493	0.103	3.06	0.0188	0.131	0.522	0.341	2.29	0.948	24.9
600T125-33	0.0346	33	1.00	0.294	1.43	2.20	0.0338	0.339	0.795	1.20	0.297	8.82	0.117	0.238	0.516	0.337	2.29	0.949	24.8
600T125-43	0.0451	33	1.30	0.383	1.86	2.21	0.0435	0.337	1.76	1.72	0.461	13.7	0.260	0.307	0.513	0.335	2.29	0.950	24.7
600T125-54	0.0566	50	1.64	0.480	2.34	2.21	0.0539	0.335	3.49	2.19	0.592	26.6	0.513	0.384	0.508	0.332	2.29	0.951	20.1
600T125-68	0.0713	50	2.06	0.605	2.97	2.22	0.0668	0.332	6.84	2.92	0.858	38.6	1.03	0.483	0.503	0.329	2.30	0.952	20.0
600T125-97	0.1017	50	2.93	0.862	4.28	2.23	0.0919	0.327	13.9	4.28	1.35	60.6	2.97	0.685	0.491	0.321	2.31	0.955	20.1
600T150-33	0.0346	33	1.06	0.311	1.59	2.26	0.0566	0.426	0.800	1.27	0.303	9.00	0.124	0.390	0.684	0.439	2.40	0.919	30.2
600T150-43	0.0451	33	1.38	0.405	2.07	2.26	0.0730	0.424	1.76	1.83	0.474	14.1	0.275	0.504	0.680	0.437	2.40	0.920	30.2
600T150-54	0.0566	50	1.73	0.509	2.61	2.27	0.0907	0.422	3.49	2.33	0.609	27.4	0.543	0.633	0.675	0.434	2.40	0.921	24.5
600T150-68	0.0713	50	2.18	0.641	3.31	2.27	0.113	0.419	6.85	3.13	0.891	40.1	1.09	0.797	0.669	0.430	2.41	0.923	24.5
600T150-97	0.1017	50	3.11	0.913	4.78	2.29	0.156	0.414	13.9	4.78	1.44	65.0	3.15	1.14	0.656	0.421	2.42	0.926	24.6
600T200-33	0.0346	33	1.18	0.346	1.91	2.35	0.126	0.604	0.800	1.50	0.333	9.90	0.138	0.847	1.05	0.655	2.64	0.843	40.9
600T200-43	0.0451	33	1.53	0.451	2.49	2.35	0.163	0.602	1.76	2.06	0.565	16.8	0.306	1.10	1.04	0.652	2.64	0.844	40.9
600T200-54	0.0566	50	1.92	0.565	3.15	2.36	0.204	0.600	3.49	2.62	0.717	32.3	0.604	1.38	1.04	0.649	2.65	0.846	33.2
600T200-68	0.0713	50	2.42	0.712	3.99	2.37	0.254	0.597	6.85	3.51	0.973	43.8	1.21	1.75	1.03	0.644	2.65	0.849	33.3
600T200-97	0.1017	50	3.45	1.02	5.77	2.39	0.355	0.591	13.9	5.51	1.57	70.6	3.50	2.51	1.02	0.635	2.66	0.854	33.4
600T300-33	0.0346	33	1.41	0.415	2.56	2.48	0.384	0.962	0.795	1.63	0.331	9.82	0.166	2.52	1.85	1.11	3.24	0.674	61.3
600T300-43	0.0451	33	1.84	0.541	3.34	2.48	0.498	0.960	1.76	2.39	0.555	16.5	0.367	3.28	1.85	1.11	3.24	0.675	61.4
600T300-54	0.0566	50	2.31	0.679	4.21	2.49	0.622	0.957	3.49	3.05	0.721	32.5	0.725	4.13	1.84	1.11	3.24	0.677	49.9
600T300-68	0.0713	50	2.91	0.855	5.35	2.50	0.779	0.954	6.84	4.11	1.05	47.4	1.45	5.24	1.83	1.10	3.25	0.681	50.0
600T300-97	0.1017	50	4.15	1.22	7.76	2.52	1.10	0.949	13.9	6.59	1.72	77.6	4.20	7.58	1.82	1.09	3.25	0.688	50.4
800T125-43	0.0451	33	1.61	0.473	3.77	2.82	0.0458	0.311	1.32	3.34	0.640	19.0	0.321	0.589	0.436	0.292	2.87	0.977	23.8
800T125-54	0.0566	50	2.02	0.594	4.75	2.83	0.0568	0.309	2.61	4.26	0.824	37.1	0.634	0.735	0.432	0.289	2.88	0.977	19.3
800T125-68	0.0713	50	2.54	0.748	6.00	2.83	0.0703	0.307	5.23	5.83	1.22	54.7	1.27	0.920	0.427	0.286	2.88	0.978	19.2
800T125-97	0.1017	50	3.63	1.07	8.61	2.84	0.0967	0.301	13.9	8.61	2.06	92.8	3.67	1.30	0.417	0.279	2.89	0.979	19.1

Track Designation			Base Design Thickness (in.)	F _y (ksi)	GROSS						EFFECTIVE				TORSIONAL						
					Weight (lb/ft)	Area (in. ²)	I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	V _{rg} (kip)	I _{xd} (in. ⁴)	S _{xe} (in. ³)	M _{rx} (k-in.)	Jx1000 (in. ⁴)	C _w (in. ⁶)	x _o (in.)	m (in.)	r _o (in.)	β	L _u (in.)
800T150-43			0.0451	33	1.69	0.496	4.14	2.89	0.0774	0.395	1.32	3.52	0.655	19.5	0.336	0.972	0.584	0.386	2.98	0.961	29.3
800T150-54			0.0566	50	2.12	0.622	5.21	2.90	0.0961	0.393	2.61	4.49	0.844	38.0	0.664	1.22	0.580	0.383	2.98	0.962	23.8
800T150-68			0.0713	50	2.67	0.783	6.59	2.90	0.119	0.390	5.23	6.20	1.26	56.5	1.33	1.53	0.575	0.379	2.98	0.963	23.7
800T150-97			0.1017	50	3.80	1.12	9.48	2.91	0.165	0.385	13.9	9.48	2.19	98.6	3.85	2.16	0.564	0.372	2.99	0.965	23.7
800T200-43			0.0451	33	1.84	0.541	4.89	3.01	0.175	0.569	1.32	3.82	0.676	20.1	0.367	2.12	0.913	0.587	3.19	0.918	40.3
800T200-54			0.0566	50	2.31	0.679	6.15	3.01	0.218	0.567	2.61	4.89	0.872	39.2	0.725	2.66	0.908	0.584	3.20	0.919	32.7
800T200-68			0.0713	50	2.91	0.854	7.79	3.02	0.272	0.564	5.23	6.81	1.31	59.0	1.45	3.36	0.902	0.580	3.20	0.921	32.7
800T200-97			0.1017	50	4.15	1.22	11.2	3.03	0.379	0.558	13.9	10.8	2.35	106	4.20	4.79	0.889	0.571	3.21	0.923	32.7
800T300-43			0.0451	33	2.15	0.631	6.37	3.18	0.540	0.925	1.32	4.60	0.736	21.9	0.428	6.33	1.66	1.02	3.70	0.800	61.4
800T300-54			0.0566	50	2.69	0.792	8.03	3.18	0.675	0.923	2.60	5.92	0.955	43.0	0.845	7.96	1.65	1.02	3.70	0.801	49.9
800T300-68			0.0713	50	3.39	1.00	10.2	3.19	0.844	0.920	5.22	8.05	1.55	69.6	1.69	10.1	1.64	1.02	3.71	0.803	49.9
800T300-97			0.1017	50	4.84	1.42	14.7	3.21	1.19	0.914	13.9	12.7	2.59	116	4.90	14.5	1.63	1.01	3.72	0.808	50.1
1000T125-54			0.0566	50	2.41	0.707	8.33	3.43	0.0587	0.288	2.08	7.13	1.06	47.5	0.755	1.21	0.376	0.256	3.47	0.988	18.5
1000T125-68			0.0713	50	3.03	0.890	10.5	3.44	0.0727	0.286	4.17	9.86	1.58	70.9	1.51	1.51	0.372	0.253	3.47	0.989	18.4
1000T125-97			0.1017	50	4.32	1.27	15.1	3.45	0.100	0.281	12.2	15.1	2.75	124	4.38	2.12	0.363	0.247	3.48	0.989	18.3
1000T150-54			0.0566	50	2.50	0.735	9.06	3.51	0.100	0.368	2.08	7.47	1.08	48.5	0.785	2.01	0.509	0.342	3.57	0.980	23.0
1000T150-68			0.0713	50	3.15	0.926	11.4	3.52	0.124	0.366	4.17	10.4	1.62	73.0	1.57	2.52	0.505	0.339	3.57	0.980	23.0
1000T150-97			0.1017	50	4.49	1.32	16.4	3.53	0.172	0.361	12.2	16.4	2.90	131	4.55	3.56	0.495	0.332	3.58	0.981	22.9
1000T200-54			0.0566	50	2.69	0.792	10.5	3.65	0.228	0.537	2.08	8.04	1.11	50.0	0.845	4.43	0.809	0.531	3.77	0.954	32.0
1000T200-68			0.0713	50	3.39	1.00	13.3	3.65	0.284	0.534	4.17	11.3	1.68	75.8	1.69	5.58	0.803	0.527	3.78	0.955	32.0
1000T200-97			0.1017	50	4.84	1.42	19.1	3.66	0.397	0.528	12.2	18.4	3.08	139	4.90	7.92	0.791	0.519	3.79	0.956	31.9
1000T300-54			0.0566	50	3.08	0.905	13.4	3.85	0.714	0.888	2.08	9.36	1.19	53.6	0.966	13.3	1.50	0.947	4.23	0.874	49.6
1000T300-68			0.0713	50	3.88	1.14	17.0	3.86	0.894	0.885	4.17	13.7	1.90	85.6	1.93	16.8	1.49	0.943	4.23	0.876	49.6
1000T300-97			0.1017	50	5.53	1.63	24.4	3.88	1.26	0.880	12.1	21.4	3.59	161	5.60	24.0	1.48	0.934	4.24	0.879	49.6
1200T125-68			0.0713	50	3.51	1.03	16.8	4.04	0.0744	0.268	3.47	15.1	1.93	87.0	1.75	2.27	0.329	0.227	4.06	0.993	17.7
1200T125-97			0.1017	50	5.01	1.47	24.1	4.04	0.102	0.264	10.1	23.6	3.44	155	5.08	3.17	0.322	0.222	4.07	0.994	17.6
1200T150-68			0.0713	50	3.64	1.07	18.1	4.12	0.127	0.345	3.47	15.9	1.99	89.4	1.81	3.79	0.450	0.307	4.16	0.988	22.2
1200T150-97			0.1017	50	5.18	1.52	26.0	4.13	0.176	0.340	10.1	25.5	3.62	163	5.25	5.33	0.441	0.301	4.17	0.989	22.1
1200T200-68			0.0713	50	3.88	1.14	20.8	4.27	0.294	0.508	3.47	17.1	2.06	92.6	1.93	8.43	0.725	0.483	4.36	0.972	31.2
1200T200-97			0.1017	50	5.53	1.63	29.8	4.28	0.410	0.502	10.1	28.2	3.82	172	5.60	11.9	0.714	0.476	4.37	0.973	31.1
1200T300-68			0.0713	50	4.36	1.28	26.1	4.51	0.932	0.852	3.47	19.0	2.14	96.2	2.17	25.5	1.37	0.880	4.79	0.918	49.0
1200T300-97			0.1017	50	6.22	1.83	37.4	4.53	1.31	0.847	10.1	32.1	4.05	182	6.30	36.4	1.36	0.871	4.80	0.920	49.0
1400T125-68			0.0713	50	4.00	1.18	25.2	4.63	0.0757	0.254	2.97	21.6	2.29	103	1.99	3.19	0.296	0.206	4.65	0.996	17.1
1400T125-97			0.1017	50	5.70	1.68	36.0	4.64	0.104	0.249	8.65	34.2	4.13	186	5.78	4.44	0.289	0.201	4.65	0.996	16.9
1400T150-68			0.0713	50	4.12	1.21	27.0	4.72	0.130	0.328	2.97	22.6	2.35	106	2.05	5.35	0.407	0.280	4.75	0.993	21.5
1400T150-97			0.1017	50	5.88	1.73	38.6	4.73	0.180	0.323	8.65	36.8	4.33	195	5.95	7.50	0.399	0.275	4.76	0.993	21.3
1400T200-68			0.0713	50	4.36	1.28	30.6	4.88	0.301	0.485	2.97	24.2	2.43	109	2.17	11.9	0.661	0.446	4.95	0.982	30.5
1400T200-97			0.1017	50	6.22	1.83	43.8	4.89	0.420	0.479	8.65	40.4	4.56	205	6.30	16.9	0.651	0.439	4.96	0.983	30.3
1400T300-68			0.0713	50	4.85	1.42	37.7	5.15	0.963	0.822	2.97	26.7	2.52	113	2.41	36.3	1.27	0.825	5.36	0.944	48.4
1400T300-97			0.1017	50	6.91	2.03	54.1	5.16	1.35	0.816	8.64	45.5	4.81	217	7.00	51.6	1.25	0.817	5.37	0.946	48.3

Curtain Wall Limiting Height Tables - Single and Double Spans

Table Notes

- 1 For wind load deflection calculations, the SLS importance factor, $I_w = 0.75$ is incorporated in the load tables.
- 2 Studs must be braced against rotation and lateral displacement at all supports.
- 3 Studs are assumed to be adequately braced at a maximum spacing of L_u to develop the full factored moment resistance
- 4 Web crippling check is based on 1.25" of bearing at end supports and 3" of bearing at interior supports.
- 5 Shear and web crippling resistance at end supports have not been reduced for punchouts. At interior supports, the shear and web crippling resistance has been reduced for the presence of punchout adjacent to the support.
- 6 Combined bending and shear check at interior support is based on the unreinforced web as per S136-16 (Eq. H2-1). Shear resistance and combined bending and shear checks at interior supports have been reduced for the presence of punchouts adjacent to the support.
- 7 In the "Double Span" tables, the listed span is the distance from either end to the centre of the interior support with the stud continuous past the interior support.

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft.-in.)

SPECIFIED LOADS			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
362S125-33	33	12	21' 7"	19' 3"	16' 10"	15' 3"	13' 4"	11' 3"	12' 6"	11' 8"	9' 10"	10' 9"	10' 7"	9' 0"	9' 7"	8' 3"	8' 9"	8' 9"	7' 9"	
	33	16	18' 8"	17' 7"	15' 3"	13' 2"	12' 2"	10' 3"	10' 9"	10' 7"	9' 0"	9' 3"	9' 3"	8' 2"	8' 4"	8' 4"	7' 7"	7' 7"	7' 1"	
	33	24	15' 3"	15' 3"	13' 4"	10' 9"	10' 7"	9' 0"	8' 9"	8' 9"	7' 9"	7' 7"	7' 7"	7' 1"	6' 9"	6' 9"	6' 7"	6' 2"	6' 2"	
362S125-43	33	12	25' 10"	21' 1"	18' 4"	16' 8"	14' 7"	12' 3"	14' 7"	12' 9"	10' 9"	13' 0"	11' 7"	9' 9"	11' 7"	10' 9"	9' 1"	10' 7"	10' 1"	8' 6"
	33	16	22' 4"	19' 1"	16' 8"	15' 2"	13' 3"	11' 2"	13' 0"	11' 7"	9' 9"	11' 2"	10' 6"	8' 10"	10' 0"	9' 9"	8' 2"	9' 2"	9' 2"	7' 9"
	33	24	18' 3"	16' 8"	14' 7"	13' 0"	11' 7"	9' 9"	10' 7"	10' 1"	8' 6"	9' 2"	9' 2"	7' 9"	8' 2"	8' 2"	7' 2"	7' 6"	7' 6"	6' 9"
362S125-54	50	12	28' 4"	22' 6"	19' 8"	17' 10"	15' 7"	13' 2"	15' 7"	13' 7"	11' 6"	14' 2"	12' 4"	10' 6"	13' 2"	11' 6"	9' 8"	12' 4"	10' 9"	9' 1"
	50	16	25' 9"	20' 6"	17' 10"	16' 2"	14' 2"	12' 0"	14' 2"	12' 4"	10' 6"	12' 10"	11' 3"	9' 6"	12' 0"	10' 6"	8' 9"	11' 3"	9' 9"	8' 3"
	50	24	22' 6"	17' 10"	15' 7"	14' 2"	12' 4"	10' 6"	12' 4"	10' 9"	9' 1"	11' 3"	9' 9"	8' 3"	10' 6"	9' 1"	7' 8"	9' 9"	8' 7"	7' 2"
362S162-33	33	12	26' 9"	21' 3"	18' 7"	16' 10"	14' 8"	12' 4"	14' 8"	12' 10"	10' 10"	13' 4"	11' 8"	9' 10"	12' 2"	10' 10"	9' 2"	11' 1"	10' 2"	8' 7"
	33	16	23' 7"	19' 3"	16' 10"	15' 3"	13' 4"	11' 3"	13' 4"	11' 8"	9' 10"	11' 9"	10' 7"	9' 0"	10' 6"	9' 10"	8' 3"	9' 7"	9' 3"	7' 9"
	33	24	19' 3"	16' 10"	14' 8"	13' 4"	11' 8"	9' 10"	11' 1"	10' 2"	8' 7"	9' 7"	9' 3"	7' 9"	8' 7"	8' 7"	7' 3"	7' 10"	7' 10"	6' 9"
362S162-43	33	12	29' 1"	23' 1"	20' 2"	18' 4"	16' 0"	13' 6"	16' 0"	14' 0"	11' 9"	14' 7"	12' 8"	10' 8"	13' 6"	11' 9"	10' 0"	12' 8"	11' 1"	9' 4"
	33	16	26' 6"	21' 0"	18' 4"	16' 8"	14' 7"	12' 3"	14' 7"	12' 8"	10' 8"	13' 2"	11' 7"	9' 9"	12' 3"	10' 8"	9' 1"	11' 4"	10' 1"	8' 6"
	33	24	22' 9"	18' 4"	16' 0"	14' 7"	12' 8"	10' 8"	12' 8"	11' 1"	9' 4"	11' 4"	10' 1"	8' 6"	10' 2"	9' 4"	7' 10"	9' 3"	8' 9"	7' 4"
362S162-54	50	12	31' 2"	24' 9"	21' 8"	19' 8"	17' 2"	14' 6"	17' 2"	15' 0"	12' 8"	15' 7"	13' 7"	11' 6"	14' 6"	12' 8"	10' 8"	13' 7"	11' 10"	10' 1"
	50	16	28' 4"	22' 6"	19' 8"	17' 10"	15' 7"	13' 2"	15' 7"	13' 7"	11' 6"	14' 2"	12' 4"	10' 6"	13' 2"	11' 6"	9' 8"	12' 4"	10' 9"	9' 1"
	50	24	24' 9"	19' 8"	17' 2"	15' 7"	13' 7"	11' 6"	13' 7"	11' 10"	10' 1"	12' 4"	10' 9"	9' 1"	11' 6"	10' 1"	8' 6"	10' 9"	9' 6"	8' 0"
362S162-68	50	12	33' 4"	26' 6"	23' 2"	21' 0"	18' 4"	15' 6"	18' 4"	16' 1"	13' 6"	16' 8"	14' 7"	12' 3"	15' 6"	13' 6"	11' 4"	14' 7"	12' 8"	10' 9"
	50	16	30' 4"	24' 1"	21' 0"	19' 1"	16' 8"	14' 1"	16' 8"	14' 7"	12' 3"	15' 2"	13' 3"	11' 2"	14' 1"	12' 3"	10' 4"	13' 3"	11' 7"	9' 9"
	50	24	26' 6"	21' 0"	18' 4"	16' 8"	14' 7"	12' 3"	14' 7"	12' 8"	10' 9"	13' 3"	11' 7"	9' 9"	12' 3"	10' 9"	9' 1"	11' 7"	10' 1"	8' 6"
362S162-97	50	12	36' 10"	29' 3"	25' 7"	23' 2"	20' 3"	17' 1"	20' 3"	17' 8"	14' 10"	18' 4"	16' 1"	13' 7"	17' 1"	14' 10"	12' 7"	16' 1"	14' 1"	11' 10"
	50	16	33' 6"	26' 7"	23' 2"	21' 1"	18' 4"	15' 6"	18' 4"	16' 1"	13' 7"	16' 8"	14' 7"	12' 3"	15' 6"	13' 7"	11' 6"	14' 7"	12' 9"	10' 9"
	50	24	29' 3"	23' 2"	20' 3"	18' 4"	16' 1"	13' 7"	16' 1"	14' 1"	11' 10"	14' 7"	12' 9"	10' 9"	13' 7"	11' 10"	10' 0"	12' 9"	11' 2"	9' 4"
362S200-33	33	12	28' 1"	22' 3"	19' 6"	17' 8"	15' 6"	13' 0"	15' 6"	13' 6"	11' 4"	14' 1"	12' 3"	10' 4"	12' 10"	11' 4"	9' 7"	11' 9"	10' 8"	9' 0"
	33	16	25' 0"	20' 3"	17' 8"	16' 1"	14' 1"	11' 10"	14' 1"	12' 3"	10' 4"	12' 6"	11' 2"	9' 4"	11' 2"	10' 4"	8' 8"	10' 2"	9' 8"	8' 2"
	33	24	20' 4"	17' 8"	15' 6"	14' 1"	12' 3"	10' 4"	11' 9"	10' 8"	9' 0"	10' 2"	9' 8"	8' 2"	9' 1"	9' 0"	7' 7"	8' 3'e	8' 3'e	7' 2"
362S200-43	33	12	30' 9"	24' 4"	21' 3"	19' 4"	16' 10"	14' 3"	16' 10"	14' 9"	12' 6"	15' 4"	13' 4"	11' 3"	14' 3"	12' 6"	10' 6"	13' 4"	11' 8"	9' 10"
	33	16	28' 0"	22' 2"	19' 4"	17' 7"	15' 4"	13' 0"	15' 4"	13' 4"	11' 3"	14' 0"	12' 2"	10' 3"	13' 0"	11' 3"	9' 7"	12' 2"	10' 8"	9' 0"
	33	24	24' 4"	19' 4"	16' 10"	15' 4"	13' 4"	11' 3"	13' 4"	11' 8"	9' 10"	12' 2"	10' 8"	9' 0"	11' 0"	9' 10"	8' 4"	10' 0"	9' 3"	7' 10"
362S200-54	50	12	33' 0"	26' 2"	22' 10"	20' 9"	18' 2"	15' 3"	18' 2"	15' 10"	13' 4"	16' 6"	14' 4"	12' 2"	15' 3"	13' 4"	11' 3"	14' 4"	12' 7"	10' 7"
	50	16	30' 0"	23' 9"	20' 9"	18' 10"	16' 6"	13' 10"	16' 6"	14' 4"	12' 2"	15' 0"	13' 1"	11' 0"	13' 10"	12' 2"	10' 3"	13' 1"	11' 4"	9' 7"
	50	24	26' 2"	20' 9"	18' 2"	16' 6"	14' 4"	12' 2"	14' 4"	12' 7"	10' 7"	13' 1"	11' 4"	9' 7"	12' 2"	10' 7"	9' 0"	11' 4"	10' 0"	8' 4"
362S200-68	50	12	35' 3"	28' 1"	24' 6"	22' 3"	19' 6"	16' 4"	19' 6"	17' 0"	14' 3"	17' 8"	15' 4"	13' 0"	16' 4"	14' 3"	12' 1"	15' 4"	13' 6"	11' 4"
	50	16	32' 1"	25' 6"	22' 3"	20' 2"	17' 8"	14' 10"	17' 8"	15' 4"	13' 0"	16' 1"	14' 0"	11' 9"	14' 10"	13' 0"	11' 0"	14' 0"	12' 3"	10' 3"
	50	24	28' 1"	22' 3"	19' 6"	17' 8"	15' 4"	13' 0"	15' 4"	13' 6"	11' 4"	14' 0"	12' 3"	10' 3"	13' 0"	11' 4"	9' 7"	12' 3"	10' 8"	9' 0"
362S200-97	50	12	39' 1"	31' 0"	27' 1"	24' 7"	21' 6"	18' 1"	21' 6"	18' 9"	15' 9"	19' 6"	17' 1"	14' 4"	18' 1"	15' 9"	13' 4"	17' 1"	14' 10"	12' 7"
	50	16	35' 6"	28' 2"	24' 7"	22' 4"	19' 6"	16' 6"	19' 6"	17' 1"	14' 4"	17' 9"	15' 6"	13' 1"	16' 6"	14' 4"	12' 1"	15' 6"	13' 7"	11' 4"
	50	24	31' 0"	24' 7"	21' 6"	19' 6"	17' 1"	14' 4"	17' 1"	14' 10"	12' 7"	15' 6"	13' 7"	11' 4"	14' 4"	12' 7"	10' 7"	13' 7"	11' 9"	10' 0"
362S250-33	33	12	29' 2"	23' 2"	20' 3"	18' 4"	16' 1"	13' 7"	16' 1"	14' 1"	11' 10"	14' 7"	12' 9"	10' 9"	13' 4"	11' 10"	10' 0"	12' 2"	11' 2"	9' 4"
	33	16	25' 10"	21' 1"	18' 4"	16' 8"	14' 7"	12' 3"	14' 7"	12' 9"	10' 9"	12' 10"	11' 7"	9' 9"	11' 7"	10' 9"	9' 1"	10' 7"	10' 1"	8' 6"
	33	24	21' 1"	18' 4"	16' 1"	14' 7"	12' 9"	10' 9"	12' 2"	11' 2"	9' 4"	10' 7"	10' 1"	8' 6"	9' 4"	9' 4"	7' 10"	8' 7'e	8' 7'e	7' 6"
362S250-43	33	12	32' 4"	25' 8"	22' 6"	20' 4"	17' 9"	15' 0"	17' 9"	15' 7"	13' 1"	16' 2"	14' 1"	11' 10"	15' 0"	13' 1"	11' 1"	14' 1"	12' 4"	10' 4"
	33	16	29' 4"	23' 4"	20' 4"	18' 6"	16' 2"	13' 8"	16' 2"	14' 1"	11' 10"	14' 8"	12' 10"	10' 9"	13' 8"	11' 10"	10' 1"	12' 7"	11' 2"	9' 6"
	33	24	25' 2"	20' 4"	17' 9"	16' 2"	14' 1"	11' 10"	14' 1"	12' 4"	10' 4"	12' 7"	11' 2"	9' 6"	11' 3"	10' 4"	8' 9"	10' 3"	9' 9"	8' 3"
362S250-54	50	12	34' 3"	27' 3"	23' 9"	21' 7"	18' 10"	15' 10"	18' 10"	16' 6"	13' 10"	17' 2"	15' 0"	12' 8"	15' 10"	13' 10"	11' 8"	15' 0"	13' 1"	11' 1"
	50	16	31' 2"	24' 9"	21' 7"	19' 8"	17' 2"	14' 6"	17' 2"	15' 0"	12' 8"	15' 7"	13' 7"	11' 6"	14' 6"	12' 8"	10' 8"	13' 7"	11' 10"	10' 0"
	50	24	27' 3"	21' 7"	18' 10"	17' 2"	15' 0"	12' 8"	15' 0"	13' 1"	11' 1"	13' 7"	11' 10"	10' 0"	12' 8"	11' 1"	9' 3"	11' 10"	10' 4"	8' 9"
362S250-68	50	12	37' 2"	29' 6"	25' 9"	23' 4"	20' 6"	17' 3"	20' 6"	17' 10"	15' 1"	18' 7"	16' 2"	13' 8"	17' 3"	15' 1"	12' 8"	16' 2"	14' 2"	12' 0"
	50	16	33' 9"	26' 9"	23' 4"	21' 3"	18' 7"	15' 8"	18' 7"	16' 2"	13' 8"	16' 10"	14' 9"	12' 4"	15' 8"	13' 8"	11' 7"	14' 9"	12' 10"	10' 10"
	50																			

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
400S125-33	33	12	22' 9"	20' 10"	18' 2"	16' 2"	14' 6"	12' 2"	13' 2"	12' 8"	10' 8"	11' 4"	11' 4"	9' 8"	10' 2"	10' 2"	9' 0"	9' 3"	9' 3"	8' 6"
	33	16	19' 9"	19' 0"	16' 7"	14' 0"	13' 2"	11' 1"	11' 4"	11' 4"	9' 8"	9' 10"	9' 10"	8' 9"	8' 9"	8' 9"	8' 2"	8' 1"	8' 1"	7' 8"
	33	24	16' 2"	16' 2"	14' 6"	11' 4"	11' 4"	9' 8"	9' 3"	9' 3"	8' 6"	8' 1"	8' 1"	7' 8"	7' 2"	7' 2"	7' 1"	6' 7"	6' 7"	6' 7"
400S125-43	33	12	27' 6"	22' 9"	19' 10"	18' 1"	15' 9"	13' 3"	15' 9"	13' 9"	11' 7"	13' 9"	12' 6"	10' 7"	12' 3"	11' 7"	9' 9"	11' 2"	10' 10"	9' 2"
	33	16	23' 9"	20' 8"	18' 1"	16' 4"	14' 3"	12' 1"	13' 9"	12' 6"	10' 7"	11' 10"	11' 4"	9' 7"	10' 8"	10' 7"	8' 10"	9' 8"	9' 8"	8' 4"
	33	24	19' 4"	18' 1"	15' 9"	13' 9"	12' 6"	10' 7"	11' 2"	10' 10"	9' 2"	9' 8"	9' 8"	8' 4"	8' 8"	8' 8"	7' 9"	7' 10"	7' 10"	7' 3"
400S125-54	50	12	30' 8"	24' 4"	21' 3"	19' 3"	16' 10"	14' 2"	16' 10"	14' 8"	12' 4"	15' 3"	13' 4"	11' 3"	14' 2"	12' 4"	10' 6"	13' 4"	11' 8"	9' 10"
	50	16	27' 10"	22' 1"	19' 3"	17' 7"	15' 3"	12' 10"	15' 3"	13' 4"	11' 3"	13' 10"	12' 2"	10' 3"	12' 10"	11' 3"	9' 6"	12' 2"	10' 7"	9' 0"
	50	24	24' 4"	19' 3"	16' 10"	15' 3"	13' 4"	11' 3"	13' 4"	11' 8"	9' 10"	12' 2"	10' 7"	9' 0"	11' 3"	9' 10"	8' 3"	10' 7"	9' 3"	7' 9"
400S162-33	33	12	28' 9"	22' 10"	20' 0"	18' 2"	15' 10"	13' 4"	15' 10"	13' 10"	11' 8"	14' 4"	12' 7"	10' 7"	12' 10"	11' 8"	9' 10"	11' 9"	11' 0"	9' 3"
	33	16	24' 10"	20' 9"	18' 2"	16' 6"	14' 6"	12' 2"	14' 4"	12' 7"	10' 7"	12' 6"	11' 6"	9' 8"	11' 2"	10' 7"	9' 0"	10' 2"	10' 0"	8' 6"
	33	24	20' 4"	18' 2"	15' 10"	14' 4"	12' 7"	10' 7"	11' 9"	11' 0"	9' 3"	10' 2"	10' 0"	8' 6"	9' 1"	9' 1"	7' 9"	8' 3'e	8' 3'e	7' 4"
400S162-43	33	12	31' 6"	25' 0"	21' 9"	19' 9"	17' 3"	14' 7"	17' 3"	15' 1"	12' 9"	15' 8"	13' 8"	11' 7"	14' 7"	12' 9"	10' 9"	13' 8"	12' 0"	10' 1"
	33	16	28' 7"	22' 8"	19' 9"	18' 0"	15' 8"	13' 3"	15' 8"	13' 8"	11' 7"	14' 3"	12' 6"	10' 6"	13' 2"	11' 7"	9' 9"	12' 1"	10' 10"	9' 2"
	33	24	24' 2"	19' 9"	17' 3"	15' 8"	13' 8"	11' 7"	13' 8"	12' 0"	10' 1"	12' 1"	10' 10"	9' 2"	10' 9"	10' 1"	8' 6"	9' 10"	9' 6"	8' 0"
400S162-54	50	12	33' 8"	26' 9"	23' 4"	21' 2"	18' 7"	15' 7"	18' 7"	16' 2"	13' 8"	16' 10"	14' 8"	12' 4"	15' 7"	13' 8"	11' 6"	14' 8"	12' 10"	10' 9"
	50	16	30' 7"	24' 3"	21' 2"	19' 3"	16' 10"	14' 2"	16' 10"	14' 8"	12' 4"	15' 3"	13' 4"	11' 3"	14' 2"	12' 4"	10' 6"	13' 4"	11' 8"	9' 10"
	50	24	26' 9"	21' 2"	18' 7"	16' 10"	14' 8"	12' 4"	14' 8"	12' 10"	10' 9"	13' 4"	11' 8"	9' 10"	12' 4"	10' 9"	9' 2"	11' 8"	10' 2"	8' 7"
400S162-68	50	12	36' 1"	28' 7"	25' 0"	22' 8"	19' 10"	16' 8"	19' 10"	17' 3"	14' 7"	18' 0"	15' 9"	13' 3"	16' 8"	14' 7"	12' 3"	15' 9"	13' 9"	11' 7"
	50	16	32' 9"	26' 0"	22' 8"	20' 8"	18' 0"	15' 2"	18' 0"	15' 9"	13' 3"	16' 4"	14' 3"	12' 1"	15' 2"	13' 3"	11' 2"	14' 3"	12' 6"	10' 6"
	50	24	28' 7"	22' 8"	19' 10"	18' 0"	15' 9"	13' 3"	15' 9"	13' 9"	11' 7"	14' 3"	12' 6"	10' 6"	13' 3"	11' 7"	9' 9"	12' 6"	10' 10"	9' 2"
400S162-97	50	12	39' 9"	31' 7"	27' 7"	25' 1"	21' 10"	18' 6"	21' 10"	19' 2"	16' 2"	19' 10"	17' 4"	14' 8"	18' 6"	16' 2"	13' 7"	17' 4"	15' 2"	12' 9"
	50	16	36' 2"	28' 8"	25' 1"	22' 9"	19' 10"	16' 9"	19' 10"	17' 4"	14' 8"	18' 1"	15' 9"	13' 3"	16' 9"	14' 8"	12' 4"	15' 9"	13' 9"	11' 8"
	50	24	31' 7"	25' 1"	21' 10"	19' 10"	17' 4"	14' 8"	17' 4"	15' 2"	12' 9"	15' 9"	13' 9"	11' 8"	14' 8"	12' 9"	10' 9"	13' 9"	12' 1"	10' 2"
400S200-33	33	12	30' 3"	24' 1"	21' 0"	19' 1"	16' 8"	14' 1"	16' 8"	14' 7"	12' 3"	15' 2"	13' 2"	11' 2"	13' 7"	12' 3"	10' 4"	12' 4"	11' 7"	9' 9"
	33	16	26' 4"	21' 10"	19' 1"	17' 3"	15' 2"	12' 9"	15' 2"	13' 2"	11' 2"	13' 2"	12' 0"	10' 1"	11' 9"	11' 2"	9' 4"	10' 9"	10' 6"	8' 10"
	33	24	21' 6"	19' 1"	16' 8"	15' 2"	13' 2"	11' 2"	12' 4"	11' 7"	9' 9"	10' 9"	10' 6"	8' 10"	9' 7"	9' 7"	8' 2"	8' 9'e	8' 9'e	7' 8"
400S200-43	33	12	33' 2"	26' 3"	23' 0"	20' 10"	18' 3"	15' 4"	18' 3"	16' 0"	13' 6"	16' 7"	14' 6"	12' 2"	15' 4"	13' 6"	11' 3"	14' 6"	12' 8"	10' 8"
	33	16	30' 2"	23' 10"	20' 10"	19' 0"	16' 7"	14' 0"	16' 7"	14' 6"	12' 2"	15' 1"	13' 2"	11' 1"	14' 0"	12' 2"	10' 3"	13' 0"	11' 6"	9' 8"
	33	24	25' 10"	20' 10"	18' 3"	16' 7"	14' 6"	12' 2"	14' 6"	12' 8"	10' 8"	13' 0"	11' 6"	9' 8"	11' 7"	10' 8"	9' 0"	10' 7"	10' 1"	8' 6"
400S200-54	50	12	35' 7"	28' 2"	24' 8"	22' 4"	19' 7"	16' 6"	19' 7"	17' 1"	14' 4"	17' 9"	15' 6"	13' 1"	16' 6"	14' 4"	12' 2"	15' 6"	13' 7"	11' 6"
	50	16	32' 3"	25' 8"	22' 4"	20' 4"	17' 9"	15' 0"	17' 9"	15' 6"	13' 1"	16' 2"	14' 1"	11' 10"	15' 0"	13' 1"	11' 1"	14' 1"	12' 3"	10' 4"
	50	24	28' 2"	22' 4"	19' 7"	17' 9"	15' 6"	13' 1"	15' 6"	13' 7"	11' 6"	14' 1"	12' 3"	10' 4"	13' 1"	11' 6"	9' 8"	12' 3"	10' 9"	9' 1"
400S200-68	50	12	38' 1"	30' 3"	26' 4"	24' 0"	21' 0"	17' 8"	21' 0"	18' 3"	15' 6"	19' 1"	16' 8"	14' 0"	17' 8"	15' 6"	13' 0"	16' 8"	14' 7"	12' 3"
	50	16	34' 7"	27' 6"	24' 0"	21' 9"	19' 1"	16' 1"	19' 1"	16' 8"	14' 0"	17' 3"	15' 1"	12' 9"	16' 1"	14' 0"	11' 9"	15' 1"	13' 2"	11' 2"
	50	24	30' 3"	24' 0"	21' 0"	19' 1"	16' 8"	14' 0"	16' 8"	14' 7"	12' 3"	15' 1"	13' 2"	11' 2"	14' 0"	12' 3"	10' 4"	13' 2"	11' 6"	9' 8"
400S200-97	50	12	42' 2"	33' 6"	29' 3"	26' 7"	23' 2"	19' 7"	23' 2"	20' 3"	17' 1"	21' 1"	18' 4"	15' 7"	19' 7"	17' 1"	14' 4"	18' 4"	16' 1"	13' 7"
	50	16	38' 4"	30' 4"	26' 7"	24' 2"	21' 1"	17' 9"	21' 1"	18' 4"	15' 7"	19' 2"	16' 9"	14' 1"	17' 9"	15' 7"	13' 1"	16' 9"	14' 7"	12' 3"
	50	24	33' 6"	26' 7"	23' 2"	21' 1"	18' 4"	15' 7"	18' 4"	16' 1"	13' 7"	16' 9"	14' 7"	12' 3"	15' 7"	13' 7"	11' 6"	14' 7"	12' 9"	10' 9"
400S250-33	33	12	31' 6"	25' 0"	21' 9"	19' 9"	17' 3"	14' 7"	17' 3"	15' 1"	12' 9"	15' 8"	13' 8"	11' 7"	14' 1"	12' 9"	10' 9"	12' 10"	12' 0"	10' 1"
	33	16	27' 3"	22' 8"	19' 9"	18' 0"	15' 8"	13' 3"	15' 8"	13' 8"	11' 7"	13' 8"	12' 6"	10' 6"	12' 2"	11' 7"	9' 9"	11' 2"	10' 10"	9' 2"
	33	24	22' 3"	19' 9"	17' 3"	15' 8"	13' 8"	11' 7"	12' 10"	12' 0"	10' 1"	11' 2"	10' 10"	9' 2"	10' 0'e	10' 0'e	8' 6"	9' 1'e	9' 1'e	8' 0"
400S250-43	33	12	34' 10"	27' 8"	24' 2"	22' 0"	19' 2"	16' 2"	19' 2"	16' 9"	14' 1"	17' 4"	15' 2"	12' 9"	16' 2"	14' 1"	11' 10"	15' 2"	13' 3"	11' 2"
	33	16	31' 8"	25' 1"	22' 0"	20' 0"	17' 4"	14' 8"	17' 4"	15' 2"	12' 9"	15' 9"	13' 9"	11' 8"	14' 7"	12' 9"	10' 9"	13' 3"	12' 1"	10' 2"
	33	24	26' 8"	22' 0"	19' 2"	17' 4"	15' 2"	12' 9"	15' 2"	13' 3"	11' 2"	13' 3"	12' 1"	10' 2"	11' 10"	11' 2"	9' 6"	10' 10"	10' 7"	8' 10"
400S250-54	50	12	37' 0"	29' 4"	25' 7"	23' 3"	20' 4"	17' 2"	20' 4"	17' 9"	15' 0"	18' 6"	16' 2"	13' 7"	17' 2"	15' 0"	12' 7"	16' 2"	14' 1"	11' 10"
	50	16	33' 7"	26' 8"	23' 3"	21' 2"	18' 6"	15' 7"	18' 6"	16' 2"	13' 7"	16' 9"	14' 8"	12' 4"	15' 7"	13' 7"	11' 6"	14' 8"	12' 9"	10' 9"
	50	24	29' 4"	23' 3"	20' 4"	18' 6"	16' 2"	13' 7"	16' 2"	14' 1"	11' 10"	14' 8"	12' 9"	10' 9"	13' 7"	11' 10"	10' 0"	12' 9"	11' 2"	9' 4"
400S250-68	50	12	40' 1"	31' 9"	27' 9"	25' 2"	22' 0"	18' 7"	22' 0"	19' 3"	16' 2"	20' 0"	17' 6"	14' 9"	18' 7"	16' 2"	13' 8"	17' 6"	15' 3"	12' 10"
	50	16	36' 4"	28' 10"	25' 2"	22' 10"	20' 0"	16' 10"	20' 0"	17' 6"	14' 9"	18' 2"	15'							

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
600S125-33	33	12	28' 7"	28' 7"	25' 0"	20' 2"	19' 9"	16' 8"	16' 6"	16' 6"	14' 7"	14' 3"	14' 3"	13' 3"	12' 9"	12' 9"	12' 3"	11' 8"	11' 8"	11' 7"
	33	16	24' 9"	24' 9"	22' 8"	17' 6"	17' 6"	15' 2"	14' 3"	14' 3"	13' 3"	12' 4"	12' 4"	12' 1"	11' 1"	11' 1"	11' 1"	10' 1"	10' 1"	10' 1"
	33	24	20' 2"	20' 2"	19' 9"	14' 3"	14' 3"	13' 3"	11' 8"	11' 8"	11' 7"	10' 1"	10' 1"	10' 1"	9' 0"	9' 0"	9' 0"	8' 3'e	8' 3'e	8' 3'e
600S125-43	33	12	34' 9"	31' 6"	27' 6"	24' 7"	21' 10"	18' 4"	20' 1"	19' 1"	16' 1"	17' 4"	17' 3"	14' 7"	15' 7"	15' 7"	13' 7"	14' 2"	14' 2"	12' 9"
	33	16	30' 2"	28' 7"	25' 0"	21' 3"	19' 10"	16' 8"	17' 4"	17' 3"	14' 7"	15' 1"	15' 1"	13' 3"	13' 6"	13' 6"	12' 3"	12' 3"	12' 3"	11' 7"
	33	24	24' 7"	24' 7"	21' 10"	17' 4"	17' 3"	14' 7"	14' 2"	14' 2"	12' 9"	12' 3"	12' 3"	11' 7"	11' 0"	11' 0"	10' 9"	10' 1"	10' 1"	10' 1"
600S125-54	50	12	42' 7"	33' 9"	29' 6"	26' 9"	23' 4"	19' 9"	23' 4"	20' 6"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 7"	18' 7"	16' 3"	13' 8"
	50	16	38' 8"	30' 8"	26' 9"	24' 4"	21' 3"	18' 0"	21' 3"	18' 7"	15' 8"	19' 4"	16' 10"	14' 3"	18' 0"	15' 8"	13' 2"	16' 6"	14' 9"	12' 6"
	50	24	33' 1"	26' 9"	23' 4"	21' 3"	18' 7"	15' 8"	18' 7"	16' 3"	13' 8"	16' 6"	14' 9"	12' 6"	14' 9"	13' 8"	11' 7"	13' 6"	12' 10"	10' 10"
600S162-33	33	12	36' 1"	31' 6"	27' 6"	25' 0"	21' 9"	18' 4"	20' 9"	19' 1"	16' 1"	18' 0"	17' 3"	14' 7"	16' 1"	16' 1"	13' 7"	14' 8"	14' 8"	12' 9"
	33	16	31' 2"	28' 7"	25' 0"	22' 1"	19' 9"	16' 8"	18' 0"	17' 3"	14' 7"	15' 7"	15' 7"	13' 3"	14' 0'e	14' 0'e	12' 3"	12' 8'e	12' 8'e	11' 7'e
	33	24	25' 6"	25' 0"	21' 9"	18' 0"	17' 3"	14' 7"	14' 8"	14' 8"	12' 9"	12' 8'e	12' 8'e	11' 7'e	11' 4'e	11' 4'e	10' 9'e	10' 4'e	10' 4'e	10' 1'e
600S162-43	33	12	43' 1"	34' 3"	30' 0"	27' 2"	23' 9"	20' 1"	23' 9"	20' 9"	17' 6"	21' 7"	18' 10"	15' 10"	19' 3"	17' 6"	14' 9"	17' 7"	16' 6"	13' 10"
	33	16	37' 3"	31' 2"	27' 2"	24' 8"	21' 7"	18' 2"	21' 7"	18' 10"	15' 10"	18' 8"	17' 2"	14' 6"	16' 8"	15' 10"	13' 4"	15' 2"	15' 0"	12' 7"
	33	24	30' 6"	27' 2"	23' 9"	21' 7"	18' 10"	15' 10"	17' 7"	16' 6"	13' 10"	15' 2"	15' 0"	12' 7"	13' 7"	13' 7"	11' 8"	12' 4"	12' 4"	11' 0"
600S162-54	50	12	46' 4"	36' 9"	32' 2"	29' 2"	25' 6"	21' 6"	25' 6"	22' 3"	18' 9"	23' 2"	20' 3"	17' 1"	21' 6"	18' 9"	15' 10"	20' 3"	17' 8"	14' 10"
	50	16	42' 1"	33' 6"	29' 2"	26' 6"	23' 2"	19' 7"	23' 2"	20' 3"	17' 1"	21' 1"	18' 4"	15' 6"	19' 7"	17' 1"	14' 4"	18' 4"	16' 1"	13' 7"
	50	24	36' 9"	29' 2"	25' 6"	23' 2"	20' 3"	17' 1"	20' 3"	17' 8"	14' 10"	18' 4"	16' 1"	13' 7"	17' 1"	14' 10"	12' 7"	16' 1"	14' 0"	11' 9"
600S162-68	50	12	49' 8"	39' 6"	34' 6"	31' 3"	27' 4"	23' 1"	27' 4"	23' 10"	20' 2"	24' 10"	21' 8"	18' 3"	23' 1"	20' 2"	17' 0"	21' 8"	19' 0"	16' 0"
	50	16	45' 2"	35' 10"	31' 3"	28' 6"	24' 10"	21' 0"	24' 10"	21' 8"	18' 3"	22' 7"	19' 8"	16' 7"	21' 0"	18' 3"	15' 6"	19' 8"	17' 2"	14' 6"
	50	24	39' 6"	31' 3"	27' 4"	24' 10"	21' 8"	18' 3"	21' 8"	19' 0"	16' 0"	19' 8"	17' 2"	14' 6"	18' 3"	16' 0"	13' 6"	17' 2"	15' 1"	12' 8"
600S162-97	50	12	55' 1"	43' 8"	38' 2"	34' 8"	30' 3"	25' 7"	30' 3"	26' 6"	22' 3"	27' 7"	24' 1"	20' 3"	25' 7"	22' 3"	18' 9"	24' 1"	21' 0"	17' 8"
	50	16	50' 1"	39' 8"	34' 8"	31' 6"	27' 7"	23' 2"	27' 7"	24' 1"	20' 3"	25' 0"	21' 10"	18' 4"	23' 2"	20' 3"	17' 1"	21' 10"	19' 1"	16' 1"
	50	24	43' 8"	34' 8"	30' 3"	27' 7"	24' 1"	20' 3"	24' 1"	21' 0"	17' 8"	21' 10"	19' 1"	16' 1"	20' 3"	17' 8"	15' 0"	19' 1"	16' 8"	14' 1"
600S200-33	33	12	38' 7"	32' 10"	28' 9"	26' 1"	22' 9"	19' 2"	22' 3"	19' 10"	16' 9"	19' 3"	18' 1"	15' 3"	17' 3"	16' 9"	14' 2"	15' 9'e	15' 9'e	13' 3"
	33	16	33' 4"	29' 10"	26' 1"	23' 7"	20' 8"	17' 6"	19' 3"	18' 1"	15' 3"	16' 8"	16' 6"	13' 10"	15' 0'e	15' 0'e	12' 10"	13' 7'e	13' 7'e	12' 1'e
	33	24	27' 3"	26' 1"	22' 9"	19' 3"	18' 1"	15' 3"	15' 9'e	15' 9'e	13' 3"	13' 7'e	13' 7'e	12' 1'e	12' 2'e	12' 2'e	11' 3'e	11' 1'e	11' 1'e	10' 7'e
600S200-43	33	12	45' 4"	36' 0"	31' 6"	28' 7"	25' 0"	21' 1"	25' 0"	21' 9"	18' 4"	22' 8"	19' 9"	16' 8"	20' 7"	18' 4"	15' 6"	18' 9"	17' 3"	14' 7"
	33	16	39' 10"	32' 8"	28' 7"	26' 0"	22' 8"	19' 1"	22' 8"	19' 9"	16' 8"	20' 0"	18' 0"	15' 2"	17' 10"	16' 8"	14' 1"	16' 3"	15' 8"	13' 3"
	33	24	32' 7"	28' 7"	25' 0"	22' 8"	19' 9"	16' 8"	18' 9"	17' 3"	14' 7"	16' 3"	15' 8"	13' 3"	14' 7"	14' 7"	12' 3"	13' 3'e	13' 3'e	11' 7"
600S200-54	50	12	48' 8"	38' 8"	33' 9"	30' 8"	26' 9"	22' 7"	26' 9"	23' 4"	19' 9"	24' 4"	21' 3"	18' 0"	22' 7"	19' 9"	16' 8"	21' 3"	18' 7"	15' 8"
	50	16	44' 3"	35' 2"	30' 8"	27' 10"	24' 4"	20' 7"	24' 4"	21' 3"	18' 0"	22' 1"	19' 3"	16' 3"	20' 7"	18' 0"	15' 1"	19' 3"	16' 10"	14' 3"
	50	24	38' 8"	30' 8"	26' 9"	24' 4"	21' 3"	18' 0"	21' 3"	18' 7"	15' 8"	19' 3"	16' 10"	14' 3"	18' 0"	15' 8"	13' 2"	16' 10"	14' 9"	12' 6"
600S200-68	50	12	52' 3"	41' 6"	36' 3"	32' 10"	28' 9"	24' 3"	28' 9"	25' 1"	21' 2"	26' 2"	22' 9"	19' 3"	24' 3"	21' 2"	17' 10"	22' 9"	20' 0"	16' 9"
	50	16	47' 6"	37' 8"	32' 10"	29' 10"	26' 2"	22' 1"	26' 2"	22' 9"	19' 3"	23' 9"	20' 9"	17' 6"	22' 1"	19' 3"	16' 3"	20' 9"	18' 1"	15' 3"
	50	24	41' 6"	32' 10"	28' 9"	26' 2"	22' 9"	19' 3"	22' 9"	20' 0"	16' 9"	20' 9"	18' 1"	15' 3"	19' 3"	16' 9"	14' 2"	18' 1"	15' 9"	13' 4"
600S200-97	50	12	58' 1"	46' 1"	40' 3"	36' 7"	32' 0"	27' 0"	32' 0"	27' 10"	23' 6"	29' 0"	25' 4"	21' 4"	27' 0"	23' 6"	19' 10"	25' 4"	22' 2"	18' 8"
	50	16	52' 9"	41' 10"	36' 7"	33' 2"	29' 0"	24' 6"	29' 0"	25' 4"	21' 4"	26' 4"	23' 0"	19' 4"	24' 6"	21' 4"	18' 0"	23' 0"	20' 1"	17' 0"
	50	24	46' 1"	36' 7"	32' 0"	29' 0"	25' 4"	21' 4"	25' 4"	22' 2"	18' 8"	23' 0"	20' 1"	17' 0"	21' 4"	18' 8"	15' 9"	20' 1"	17' 7"	14' 9"
600S250-33	33	12	39' 6"	34' 0"	29' 8"	27' 0"	23' 7"	19' 10"	22' 9"	20' 7"	17' 4"	19' 8"	18' 8"	15' 9"	17' 7"	17' 4"	14' 8"	16' 1'e	16' 1'e	13' 9"
	33	16	34' 2"	30' 10"	27' 0"	24' 2"	21' 4"	18' 1"	19' 8"	18' 8"	15' 9"	17' 1"	17' 0"	14' 4"	15' 3'e	15' 3'e	13' 3"	14' 0'e	14' 0'e	12' 6'e
	33	24	27' 10"	27' 0"	23' 7"	19' 8"	18' 8"	15' 9"	16' 1'e	16' 1'e	13' 9"	14' 0'e	14' 0'e	12' 6'e	12' 6'e	12' 6'e	11' 7'e	11' 4'e	11' 4'e	11' 0'e
600S250-43	33	12	47' 4"	37' 8"	32' 10"	29' 10"	26' 1"	22' 0"	26' 1"	22' 9"	19' 2"	23' 8"	20' 8"	17' 6"	21' 2"	19' 2"	16' 2"	19' 3"	18' 1"	15' 3"
	33	16	41' 0"	34' 2"	29' 10"	27' 2"	23' 8"	20' 0"	23' 8"	20' 8"	17' 6"	20' 6"	18' 9"	15' 10"	18' 3"	17' 6"	14' 8"	16' 8"	16' 6"	13' 10"
	33	24	33' 6"	29' 10"	26' 1"	23' 8"	20' 8"	17' 6"	19' 3"	18' 1"	15' 3"	16' 8"	16' 6"	13' 10"	15' 0"	15' 0"	12' 10"	13' 8'e	13' 8'e	12' 1"
600S250-54	50	12	50' 4"	40' 0"	34' 10"	31' 8"	27' 8"	23' 4"	27' 8"	24' 2"	20' 4"	25' 2"	22' 0"	18' 7"	23' 4"	20' 4"	17' 2"	22' 0"	19' 2"	16' 2"
	50	16	45' 9"	36' 3"	31' 8"	28' 9"	25' 2"	21' 2"	25' 2"	22' 0"	18' 7"	22' 10"	20' 0"	16' 10"	21' 2"	18' 7"	15' 7"	20' 0"	17' 6"	14' 8"
	50	24	40' 0"	31' 8"	27' 8"	25' 2"	22' 0"	18' 7"	22' 0"	19' 2"	16' 2"	20' 0"	17' 6"	14' 8"	18' 7"	16' 2"	13' 8"	17' 6"	15' 3"	12' 10"
600S250-68	50	12	54' 7"	43' 3"	37' 10"	34' 4"	30' 1"	25' 3"	30' 1"	26' 3"	22' 1"	27' 2								

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
800S162-43	33	12	50' 2"	42' 9"	37' 4"	33' 10"	29' 8"	25' 0"	29' 0"	25' 10"	21' 9"	25' 1'e	23' 6"	19' 9"	22' 6'e	21' 9'e	18' 4"	20' 6'e	20' 6'e	17' 3'e
	33	16	43' 6"	38' 10"	33' 10"	30' 9"	26' 10"	22' 8"	25' 1'e	23' 6"	19' 9"	21' 8'e	21' 4'e	18' 0"	19' 6'e	19' 6'e	16' 8'e	17' 9'e	17' 9'e	15' 9'e
	33	24	35' 6"	33' 10"	29' 8"	25' 1'e	23' 6"	19' 9"	20' 6'e	20' 6'e	17' 3'e	17' 9'e	17' 9'e	15' 9'e	15' 10'e	15' 10'e	14' 7'e	14' 6'e	14' 6'e	13' 9'e
800S162-54	50	12	57' 10"	46' 0"	40' 2"	36' 6"	31' 10"	26' 10"	31' 10"	27' 9"	23' 6"	29' 0"	25' 3"	21' 3"	26' 10"	23' 6"	19' 9"	25' 3"	22' 1"	18' 7"
	50	16	52' 7"	41' 9"	36' 6"	33' 1"	29' 0"	24' 4"	29' 0"	25' 3"	21' 3"	26' 3"	23' 0"	19' 4"	24' 4"	21' 3"	18' 0"	23' 0"	20' 1"	16' 10"
	50	24	46' 0"	36' 6"	31' 10"	29' 0"	25' 3"	21' 3"	25' 3"	22' 1"	18' 7"	23' 0"	20' 1"	16' 10"	21' 2"	18' 7"	15' 8"	19' 3'e	17' 6"	14' 9"
800S162-68	50	12	62' 8"	49' 8"	43' 4"	39' 6"	34' 6"	29' 1"	34' 6"	30' 1"	25' 4"	31' 3"	27' 4"	23' 1"	29' 1"	25' 4"	21' 4"	27' 4"	23' 10"	20' 2"
	50	16	56' 10"	45' 2"	39' 6"	35' 10"	31' 3"	26' 4"	31' 3"	27' 4"	23' 1"	28' 6"	24' 10"	21' 0"	26' 4"	23' 1"	19' 6"	24' 10"	21' 8"	18' 3"
	50	24	49' 8"	39' 6"	34' 6"	31' 3"	27' 4"	23' 1"	27' 4"	23' 10"	20' 2"	24' 10"	21' 8"	18' 3"	23' 1"	20' 2"	17' 0"	21' 8"	19' 0"	16' 0"
800S162-97	50	12	69' 8"	55' 3"	48' 3"	43' 10"	38' 4"	32' 4"	38' 4"	33' 6"	28' 3"	34' 10"	30' 6"	25' 8"	32' 4"	28' 3"	23' 9"	30' 6"	26' 7"	22' 4"
	50	16	63' 3"	50' 3"	43' 10"	39' 10"	34' 10"	29' 4"	34' 10"	30' 6"	25' 8"	31' 8"	27' 8"	23' 3"	29' 4"	25' 8"	21' 8"	27' 8"	24' 2"	20' 4"
	50	24	55' 3"	43' 10"	38' 4"	34' 10"	30' 6"	25' 8"	30' 6"	26' 7"	22' 4"	27' 8"	24' 2"	20' 4"	25' 8"	22' 4"	18' 10"	24' 2"	21' 1"	17' 9"
800S200-43	33	12	53' 10"	45' 2"	39' 6"	35' 10"	31' 4"	26' 4"	31' 1"	27' 4"	23' 1"	27' 0'e	24' 10'e	21' 0"	24' 1'e	23' 1'e	19' 6"	22' 0'e	21' 8'e	18' 3'e
	33	16	46' 8"	41' 1"	35' 10"	32' 7"	28' 6"	24' 0"	27' 0'e	24' 10'e	21' 0"	23' 4'e	22' 7'e	19' 1'e	20' 10'e	20' 10'e	17' 8'e	19' 1'e	19' 1'e	16' 8'e
	33	24	38' 1"	35' 10"	31' 4"	27' 0'e	24' 10'e	21' 0"	22' 0'e	21' 8'e	18' 3'e	19' 1"	19' 1"	16' 8'e	17' 1"	17' 1"	15' 6'e	15' 7'e	15' 7'e	14' 7'e
800S200-54	50	12	61' 2"	48' 7"	42' 4"	38' 7"	33' 8"	28' 4"	33' 8"	29' 4"	24' 9"	30' 7"	26' 8"	22' 7"	28' 4"	24' 9"	20' 10"	26' 8"	23' 4"	19' 8"
	50	16	55' 7"	44' 1"	38' 7"	35' 0"	30' 7"	25' 9"	30' 7"	26' 8"	22' 7"	27' 9"	24' 3"	20' 6"	25' 9"	22' 7"	19' 0"	24' 3"	21' 2"	17' 10"
	50	24	48' 7"	38' 7"	33' 8"	30' 7"	26' 8"	22' 7"	26' 8"	23' 4"	19' 8"	24' 3"	21' 2"	17' 10"	22' 7"	19' 8"	16' 7"	20' 8'e	18' 6"	15' 7"
800S200-68	50	12	65' 8"	52' 2"	45' 7"	41' 4"	36' 2"	30' 6"	36' 2"	31' 7"	26' 8"	32' 10"	28' 8"	24' 2"	30' 6"	26' 8"	22' 6"	28' 8"	25' 1"	21' 2"
	50	16	59' 8"	47' 4"	41' 4"	37' 7"	32' 10"	27' 8"	32' 10"	28' 8"	24' 2"	29' 10"	26' 1"	22' 0"	27' 8"	24' 2"	20' 4"	26' 1"	22' 9"	19' 2"
	50	24	52' 2"	41' 4"	36' 2"	32' 10"	28' 8"	24' 2"	28' 8"	25' 1"	21' 2"	26' 1"	22' 9"	19' 2"	24' 2"	21' 2"	17' 9"	22' 9"	19' 10"	16' 9"
800S200-97	50	12	73' 1"	58' 0"	50' 8"	46' 1"	40' 2"	33' 10"	40' 2"	35' 2"	29' 7"	36' 7"	31' 10"	26' 10"	33' 10"	29' 7"	25' 0"	31' 10"	27' 10"	23' 6"
	50	16	66' 4"	52' 8"	46' 1"	41' 10"	36' 7"	30' 9"	36' 7"	31' 10"	26' 10"	33' 2"	29' 0"	24' 6"	30' 9"	26' 10"	22' 8"	29' 0"	25' 3"	21' 4"
	50	24	58' 0"	46' 1"	40' 2"	36' 7"	31' 10"	26' 10"	31' 10"	27' 10"	23' 6"	29' 0"	25' 3"	21' 4"	26' 10"	23' 6"	19' 9"	25' 3"	22' 1"	18' 8"
800S250-43	33	12	55' 3"	47' 1"	41' 1"	37' 4"	32' 7"	27' 6"	31' 10"	28' 6"	24' 0"	27' 7'e	25' 10'e	21' 9"	24' 8'e	24' 0'e	20' 3'e	22' 7'e	22' 7'e	19' 1'e
	33	16	47' 10"	42' 9"	37' 4"	33' 10"	29' 8"	25' 0"	27' 7'e	25' 10'e	21' 9"	23' 10'e	23' 6'e	19' 10'e	21' 4'e	21' 4'e	18' 4'e	19' 6'e	19' 6'e	17' 3'e
	33	24	39' 1"	37' 4"	32' 7"	27' 7'e	25' 10'e	21' 9"	22' 7'e	22' 7'e	19' 1'e	19' 6'e	19' 6'e	17' 3'e	17' 6'e	17' 6'e	16' 1'e	16' 0'e	16' 0'e	15' 1'e
800S250-54	50	12	63' 0"	50' 0"	43' 8"	39' 8"	34' 8"	29' 2"	34' 8"	30' 3"	25' 6"	31' 6"	27' 6"	23' 2"	29' 2"	25' 6"	21' 6"	27' 6"	24' 0"	20' 3"
	50	16	57' 2"	45' 4"	39' 8"	36' 1"	31' 6"	26' 7"	31' 6"	27' 6"	23' 2"	28' 7"	25' 0"	21' 1"	26' 7"	23' 2"	19' 7"	25' 0"	21' 9"	18' 4"
	50	24	50' 0"	39' 8"	34' 8"	31' 6"	27' 6"	23' 2"	27' 6"	24' 0"	20' 3"	25' 0"	21' 9"	18' 4"	23' 2'e	20' 3"	17' 1"	21' 2'e	19' 1"	16' 1"
800S250-68	50	12	68' 3"	54' 2"	47' 4"	43' 0"	37' 7"	31' 8"	37' 7"	32' 9"	27' 8"	34' 2"	29' 9"	25' 2"	31' 8"	27' 8"	23' 4"	29' 9"	26' 1"	22' 0"
	50	16	62' 1"	49' 3"	43' 0"	39' 1"	34' 2"	28' 9"	34' 2"	29' 9"	25' 2"	31' 0"	27' 1"	22' 10"	28' 9"	25' 2"	21' 2"	27' 1"	23' 8"	20' 0"
	50	24	54' 2"	43' 0"	37' 7"	34' 2"	29' 9"	25' 2"	29' 9"	26' 1"	22' 0"	27' 1"	23' 8"	20' 0"	25' 2"	22' 0"	18' 6"	23' 8"	20' 8"	17' 6"
800S250-97	50	12	76' 4"	60' 8"	53' 0"	48' 1"	42' 1"	35' 6"	42' 1"	36' 8"	31' 0"	38' 2"	33' 4"	28' 2"	35' 6"	31' 0"	26' 1"	33' 4"	29' 2"	24' 7"
	50	16	69' 4"	55' 1"	48' 1"	43' 8"	38' 2"	32' 2"	38' 2"	33' 4"	28' 2"	34' 8"	30' 3"	25' 7"	32' 2"	28' 2"	23' 8"	30' 3"	26' 6"	22' 3"
	50	24	60' 8"	48' 1"	42' 1"	38' 2"	33' 4"	28' 2"	33' 4"	29' 2"	24' 7"	30' 3"	26' 6"	22' 3"	28' 2"	24' 7"	20' 8"	26' 6"	23' 1"	19' 6"
800S300-43	33	12	56' 1"	48' 1"	42' 1"	38' 2"	33' 4"	28' 2"	32' 4"	29' 2"	24' 7"	28' 0'e	26' 6'e	22' 3"	25' 1'e	24' 7'e	20' 8'e	22' 10'e	22' 10'e	19' 6'e
	33	16	48' 7"	43' 8"	38' 2"	34' 3"	30' 3"	25' 7"	28' 0'e	26' 6'e	22' 3"	24' 3'e	24' 1'e	20' 3'e	21' 8'e	21' 8'e	18' 9'e	19' 9'e	19' 9'e	17' 8'e
	33	24	39' 7"	38' 2"	33' 4"	28' 0'e	26' 6'e	22' 3"	22' 10'e	22' 10'e	19' 6'e	19' 9'e	19' 9'e	17' 8'e	17' 8'e	17' 8'e	16' 6'e	16' 2'e	16' 2'e	15' 6'e
800S300-54	50	12	64' 4"	51' 1"	44' 8"	40' 7"	35' 6"	29' 10"	35' 6"	31' 0"	26' 1"	32' 2"	28' 1"	23' 8"	29' 10"	26' 1"	22' 0"	28' 1"	24' 7"	20' 8"
	50	16	58' 6"	46' 6"	40' 7"	36' 10"	32' 2"	27' 2"	32' 2"	28' 1"	23' 8"	29' 3"	25' 7"	21' 7"	27' 2"	23' 8"	20' 0"	25' 7"	22' 3"	18' 9"
	50	24	51' 1"	40' 7"	35' 6"	32' 2"	28' 1"	23' 8"	28' 1"	24' 7"	20' 8"	25' 7"	22' 3"	18' 9"	23' 7'e	20' 8"	17' 6"	21' 6'e	19' 6'e	16' 6"
800S300-68	50	12	70' 0"	55' 7"	48' 7"	44' 1"	38' 6"	32' 6"	38' 6"	33' 8"	28' 4"	35' 0"	30' 7"	25' 9"	32' 6"	28' 4"	23' 10"	30' 7"	26' 8"	22' 6"
	50	16	63' 7"	50' 6"	44' 1"	40' 1"	35' 0"	29' 6"	35' 0"	30' 7"	25' 9"	31' 9"	27' 9"	23' 4"	29' 6"	25' 9"	21' 9"	27' 9"	24' 3"	20' 6"
	50	24	55' 7"	44' 1"	38' 6"	35' 0"	30' 7"	25' 9"	30' 7"	26' 8"	22' 6"	27' 9"	24' 3"	20' 6"	25' 9"	22' 6"	19' 0"	24' 3"	21' 2"	17' 10"
800S300-97	50	12	79' 0"	62' 8"	54' 9"	49' 9"	43' 6"	36' 8"	43' 6"	38' 0"	32' 0"	39' 6"	34' 6"	29' 1"	36' 8"	32' 0"	27' 0"	34' 6"	30' 1"	25' 4"
	50	16	71' 9"	57' 0"	49' 9"	45' 2"	39' 6"	33' 3"	39' 6"	34' 6"	29' 1"	35' 10"	31' 3"	26' 4"	33' 3"	29' 1"	24' 6"	31' 3"	27' 4"	23' 1"
	50	24	62' 8"	49' 9"	43' 6"	39' 6"	34' 6"	29' 1"	34' 6"	30' 1"	25' 4"	31' 3"	27' 4"	23' 1"	29' 1"	25' 4"	21' 4"	27' 4"	23' 10"	20' 2"

NOTES:

- 1) $p = I_w \{qC_u C_p C_s\}$; I_w of 0.75 has been incorporated in the deflection values of the table.
The parameters in the bracket { } must be determined by the design professional in accordance with the NBCC.
- 2) "e" web stiffeners required at ends.

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.)

SPECIFIED LOADS			35 psf			40 psf			45 psf			50 psf			55 psf			60 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
362S125-33	33	12	8' 2"	8' 2"	7' 4"															

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			35 psf			40 psf			45 psf			50 psf			55 psf			60 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
400S125-33	33	12	8' 7"	8' 7"	8' 0"	8' 1"														

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft.-in.) continued

SPECIFIED LOADS			35 psf			40 psf			45 psf			50 psf			55 psf			60 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
600S125-33	33	12	10' 9"	10' 9"	10' 9"	10														

SINGLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			35 psf			40 psf			45 psf			50 psf			55 psf			60 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
800S162-43	33	12	19' 0"e	19' 0"e	16' 6"e	17' 9"e	17' 9"e	15' 9"e	16' 8"e	16' 8"e	15' 1"e	15' 10"e	15' 10							

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.)

SPECIFIED LOADS			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
362S125-33	33	12	21' 7"	21' 7"	21' 7"	15' 3"														

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
400S125-33	33	12	22' 9"	22' 9"	22' 9"	16' 2"	16' 2"	16' 2"	13' 2"	13' 2"	13' 2"	11' 4"	11' 4"	11' 4"	10' 2"	10' 2"	10' 2"	9' 3"	9' 3"	9' 3"
	33	16	19' 9"	19' 9"	19' 9"	14' 0"	14' 0"	14' 0"	11' 4"	11' 4"	11' 4"	9' 10"	9' 10"	9' 10"	8' 9"	8' 9"	8' 9"	8' 1"	8' 1"	8' 1"
	33	24	16' 2"	16' 2"	16' 2"	11' 4"	11' 4"	11' 4"	9' 3"	9' 3"	9' 3"	8' 1"	8' 1"	8' 1"	7' 2"	7' 2"	7' 2"	6' 6"	6' 6"	6' 6"
400S125-43	33	12	27' 6"	27' 6"	26' 6"	19' 4"	19' 4"	17' 9"	15' 10"	15' 10"	15' 6"	13' 9"	13' 9"	13' 9"	12' 3"	12' 3"	12' 3"	11' 2"	11' 2"	11' 2"
	33	16	23' 9"	23' 9"	23' 9"	16' 9"	16' 9"	16' 1"	13' 9"	13' 9"	13' 9"	11' 10"	11' 10"	11' 10"	10' 8"	10' 8"	10' 8"	9' 8"	9' 8"	9' 8"
	33	24	19' 4"	19' 4"	19' 4"	13' 9"	13' 9"	13' 9"	11' 2"	11' 2"	11' 2"	9' 8"	9' 8"	9' 8"	8' 8"	8' 8"	8' 8"	7' 10"	7' 10"	7' 10"
400S125-54	50	12	36' 8"	32' 6"	28' 4"	25' 9"	22' 6"	19' 0"	21' 2"	19' 8"	16' 7"	18' 3"	17' 10"	15' 1"	16' 4"	16' 4"	14' 0"	15' 0"	15' 0"	13' 2"
	50	16	31' 9"	29' 6"	25' 9"	22' 6"	20' 6"	17' 3"	18' 3"	17' 10"	15' 1"	15' 10"	15' 10"	13' 8"	14' 2"	14' 2"	12' 8"	13' 0"	13' 0"	12' 0"
	50	24	25' 10"	25' 9"	22' 6"	18' 3"	17' 10"	15' 1"	15' 0"	15' 0"	13' 2"	13' 0"	13' 0"	12' 0"	11' 7"	11' 7"	11' 1"	10' 7"	10' 7"	10' 6"
400S162-33	33	12	28' 9"	28' 9"	26' 9"	20' 3"	20' 3"	17' 10"	16' 4"	16' 4"	15' 8"	14' 1"	14' 1"	14' 1"	12' 7"	12' 7"	12' 7"	11' 4"	11' 4"	11' 4"
	33	16	24' 10"	24' 10"	24' 3"	17' 6"	17' 6"	16' 3"	14' 1"	14' 1"	14' 1"	12' 1"	12' 1"	12' 1"	10' 8"	10' 8"	10' 8"	9' 8"	9' 8"	9' 8"
	33	24	20' 3"	20' 3"	20' 3"	14' 1"	14' 1"	14' 1"	11' 4"	11' 4"	11' 4"	9' 8"	9' 8"	9' 8"	8' 7"	8' 7"	8' 7"	7' 8"	7' 8"	7' 8"
400S162-43	33	12	34' 1"</																	

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft.-in.) continued

SPECIFIED LOADS			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
600S125-33	33	12	28' 7"	28' 7"	28' 7"	20' 2"	20' 2"	20' 2"	16' 6"	16' 6"	16' 6"	14' 3"	14' 3"	14' 3"	12' 9"	12' 9"	12' 9"	11' 8"	11' 8"	11' 8"
	33	16	24' 9"	24' 9"	24' 9"	17' 6"	17' 6"	17' 6"	14' 3"	14' 3"	14' 3"	12' 4"	12' 4"	12' 4"	11' 1"	11' 1"	11' 1"	10' 1"	10' 1"	10' 1"
	33	24	20' 2"	20' 2"	20' 2"	14' 3"	14' 3"	14' 3"	11' 8"	11' 8"	11' 8"	10' 1"	10' 1"	10' 1"	9' 0"	9' 0"	9' 0"	8' 3"	8' 3"	8' 3"
600S125-43	33	12	34' 9"	34' 9"	34' 9"	24' 7"	24' 7"	24' 7"	20' 1"	20' 1"	20' 1"	17' 4"	17' 4"	17' 4"	15' 7"	15' 7"	15' 7"	14' 2"	14' 2"	14' 2"
	33	16	30' 2"	30' 2"	30' 2"	21' 3"	21' 3"	21' 3"	17' 4"	17' 4"	17' 4"	15' 1"	15' 1"	15' 1"	13' 6"	13' 6"	13' 6"	12' 3"	12' 3"	12' 3"
	33	24	24' 7"	24' 7"	24' 7"	17' 4"	17' 4"	17' 4"	14' 2"	14' 2"	14' 2"	12' 3"	12' 3"	12' 3"	11' 0"	11' 0"	11' 0"	10' 1"	10' 1"	10' 1"
600S125-54	50	12	46' 8"	45' 1"	39' 4"	33' 1"	31' 3"	26' 4"	27' 0"	27' 0"	23' 1"	23' 4"	23' 4"	21' 0"	20' 10"	20' 10"	19' 6"	19' 1"	19' 1"	18' 3"
	50	16	40' 6"	40' 6"	35' 9"	28' 7"	28' 4"	24' 0"	23' 4"	23' 4"	21' 0"	20' 2"	20' 2"	19' 0"	18' 1"	18' 1"	17' 8"	16' 6"	16' 6"	16' 6"
	50	24	33' 1"	33' 1"	31' 3"	23' 4"	23' 4"	21' 0"	19' 1"	19' 1"	18' 3"	16' 6"	16' 6"	16' 6"	14' 9"	14' 9"	14' 9"	13' 6"	13' 6"	13' 6"
600S162-33	33	12	36' 1"	36' 1"	36' 1"	25' 6"	25' 6"	24' 7"	20' 9"	20' 9"	20' 9"	18' 0"	18' 0"	18' 0"	16' 1"	16' 1"	16' 1"	14' 8"	14' 8"	14' 8"
	33	16	31' 2"	31' 2"	31' 2"	22' 1"	22' 1"	22' 1"	18' 0"	18' 0"	18' 0"	15' 7"	15' 7"	15' 7"	14' 0"	14' 0"	14' 0"	12' 8"	12' 8"	12' 8"
	33	24	25' 6"	25' 6"	25' 6"	18' 0"	18' 0"	18' 0"	14' 8"	14' 8"	14' 8"	12' 8"	12' 8"	12' 8"	11' 4"	11' 4"	11' 4"	10' 1"	10' 1"	10' 1"
600S162-43	33</																			

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			5 psf			10 psf			15 psf			20 psf			25 psf			30 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
800S162-43	33	12	50' 2"	50' 2"	49' 10"	35' 6"	35' 6"	33' 4"	29' 0"	29' 0"	29' 0"	25' 1"	25' 1"	25' 1"	22' 6"	22' 6"	22' 6"	20' 6"	20' 6"	20' 6"
	33	16	43' 6"	43' 6"	43' 6"	30' 9"	30' 9"	30' 3"	25' 1"	25' 1"	25' 1"	21' 8"	21' 8"	21' 8"	19' 6"	19' 6"	19' 6"	17' 9"	17' 9"	17' 9"
	33	24	35' 6"	35' 6"	35' 6"	25' 1"	25' 1"	25' 1"	20' 6"	20' 6"	20' 6"	17' 9"	17' 9"	17' 9"	15' 8"	15' 8"	15' 8"	14' 1"	14' 1"	14' 1"
800S162-54	50	12	67' 0"	61' 4"	53' 7"	47' 4"	42' 7"	35' 10"	38' 8"	37' 2"	31' 4"	33' 6"	33' 6"	28' 6"	29' 10"	29' 10"	26' 4"	27' 3"	27' 3"	24' 10"
	50	16	58' 0"	55' 9"	48' 8"	41' 0"	38' 8"	32' 7"	33' 6"	33' 6"	28' 6"	29' 0"	29' 0"	25' 10"	25' 10"	24' 0"	23' 8"	23' 8"	22' 7"	
	50	24	47' 4"	47' 4"	42' 7"	33' 6"	33' 6"	28' 6"	27' 3"	27' 3"	24' 10"	23' 8"	23' 8"	22' 7"	21' 2"	21' 2"	21' 0"	19' 3"	19' 3"	19' 3"
800S162-68	50	12	78' 4"	66' 4"	58' 0"	52' 8"	46' 0"	38' 9"	45' 3"	40' 2"	33' 10"	39' 2"	36' 6"	30' 9"	35' 1"	33' 10"	28' 7"	32' 0"	31' 10"	26' 10"
	50	16	67' 10"	60' 3"	52' 8"	47' 10"	41' 9"	35' 3"	39' 2"	36' 6"	30' 9"	34' 0"	33' 2"	28' 0"	30' 4"	30' 4"	26' 0"	27' 8"	27' 8"	24' 6"
	50	24	55' 4"	52' 8"	46' 0"	39' 2"	36' 6"	30' 9"	32' 0"	31' 10"	26' 10"	27' 8"	27' 8"	24' 6"	24' 9"	24' 9"	22' 8"	22' 7"	22' 7"	21' 4"
800S162-97	50	12	93' 1"	73' 10"	64' 7"	58' 7"	51' 2"	43' 2"	51' 2"	44' 9"	37' 9"	46' 7"	40' 8"	34' 3"	43' 2"	37' 9"	31' 9"	40' 4"	35' 6"	30' 0"
	50	16	84' 7"	67' 1"	58' 7"	53' 3"	46' 7"	39' 3"	46' 7"	40' 8"	34' 3"	42' 3"	36' 10"	31' 2"	38' 3"	34' 3"	28' 10"	35' 0"	32' 3"	27' 2"
	50	24	70' 0"	58' 7"	51' 2"	46' 7"	40' 8"	34' 3"	40' 4"	35' 6"	30' 0"	35' 0"	32' 3"	27' 2"	31' 3"	30' 0"	25' 3"	28' 7"	28' 2"	23' 9"
800S200-43	33	12	53' 10"</																	

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.)

SPECIFIED LOADS			35 psf			40 psf			45 psf			50 psf			55 psf			60 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
362S125-33	33	12	8' 2"	8' 2"	8' 2"	7' 7"	7' 7"	7' 7"	7' 2"	7' 2"	7' 2"	6' 9"	6' 9"	6' 9"	6' 4"	6' 4"	6' 4"	6' 1"	6' 1"	6' 1"
	33	16	7' 0"	7' 0"	7' 0"	6' 6"	6' 6"	6' 6"	6' 1"	6' 1"	6' 1"	5' 9"	5' 9"	5' 9"	5' 6"	5' 6"	5' 6"	5' 2"	5' 2"	5' 2"
	33	24	5' 7"	5' 7"	5' 7"	5' 2"	5' 2"	5' 2"	4' 9"	4' 9"	4' 9"	4' 6"	4' 6"	4' 6"	4' 3"	4' 3"	4' 3"	4' 1"	4' 1"	4' 1"
362S125-43	33	12	9' 9"	9' 9"	9' 9"	9' 2"	9' 2"	9' 2"	8' 7"	8' 7"	8' 7"	8' 2"	8' 2"	8' 2"	7' 9"	7' 9"	7' 9"	7' 6"	7' 6"	7' 6"
	33	16	8' 6"	8' 6"	8' 6"	7' 10"	7' 10"	7' 10"	7' 6"	7' 6"	7' 6"	7' 1"	7' 1"	7' 1"	6' 8"	6' 8"	6' 8"	6' 4"	6' 4"	6' 4"
	33	24	6' 10"	6' 10"	6' 10"	6' 4"	6' 4"	6' 4"	6' 0"	6' 0"	6' 0"	5' 7"	5' 7"	5' 7"	5' 3"	5' 3"	5' 3"	5' 0"	5' 0"	5' 0"
362S125-54	50	12	13' 0"	13' 0"	11' 7"	12' 2"	12' 2"	11' 1"	11' 6"	11' 6"	10' 8"	10' 10"	10' 10"	10' 10"	10' 4"	10' 4"	10' 0"	10' 0"	10' 0"	9' 8"
	50	16	11' 3"	11' 3"	10' 6"	10' 7"	10' 7"	10' 1"	10' 0"	10' 0"	9' 8"	9' 4"	9' 4"	9' 3"	9' 0"	9' 0"	9' 0"	8' 7"	8' 7"	8' 7"
	50	24	9' 2"	9' 2"	9' 2"	8' 7"	8' 7"	8' 7"	8' 1"	8' 1"	8' 1"	7' 8"	7' 8"	7' 8"	7' 3"	7' 3"	7' 3"	6' 10"	6' 10"	6' 10"
362S162-33	33	12	9' 9"	9' 9"	9' 9"	9' 1"	9' 1"	9' 1"	8' 6"	8' 6"	8' 6"	8' 0"	8' 0"	8' 0"	7' 7"	7' 7"	7' 7"	7' 2"	7' 2"	7' 2"
	33	16	8' 3"	8' 3"	8' 3"	7' 8"	7' 8"	7' 8"	7' 2"	7' 2"	7' 2"	6' 9"	6' 9"	6' 9"	6' 4"	6' 4"	6' 4"	6' 0"	6' 0"	6' 0"
	33	24	6' 7"	6' 7"	6' 7"	6' 0"	6' 0"	6' 0"	5' 7"	5' 7"	5' 7"	5' 2"	5' 2"	5' 2"	4' 10"	4' 10"	4' 10"	4' 7"	4' 7"	4' 7"
362S162-43	33	12	11' 8"	11' 8"	11' 8"	10' 10"	10' 10"	10' 10"	10' 2"	10' 2"	10' 2"	9' 7"	9' 7"	9' 7"	9' 1"	9' 1"</				

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			35 psf			40 psf			45 psf			50 psf			55 psf			60 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
400S125-33	33	12	8' 7"	8' 7"	8' 7"	8' 1"	8' 1"	8' 1"	7' 7"	7' 7"	7' 7"	7' 2"	7' 2"	7' 2"	6' 10"	6' 10"	6' 10"	6' 6"	6' 6"	6' 6"
	33	16	7' 6"	7' 6"	7' 6"	7' 0"	7' 0"	7' 0"	6' 6"	6' 6"	6' 6"	6' 2"	6' 2"	6' 2"	5' 9"	5' 9"	5' 9"	5' 7"	5' 7"	5' 7"
	33	24	6' 0"	6' 0"	6' 0"	5' 7"	5' 7"	5' 7"	5' 2"	5' 2"	5' 2"	4' 10"	4' 10"	4' 10"	4' 7"	4' 7"	4' 7"	4' 4"	4' 4"	4' 4"
400S125-43	33	12	10' 4"	10' 4"	10' 4"	9' 8"	9' 8"	9' 8"	9' 2"	9' 2"	9' 2"	8' 8"	8' 8"	8' 8"	8' 3"	8' 3"	8' 3"	7' 10"	7' 10"	7' 10"
	33	16	9' 0"	9' 0"	9' 0"	8' 4"	8' 4"	8' 4"	7' 10"	7' 10"	7' 10"	7' 6"	7' 6"	7' 6"	7' 2"	7' 2"	7' 2"	6' 10"	6' 10"	6' 10"
	33	24	7' 4"	7' 4"	7' 4"	6' 10"	6' 10"	6' 10"	6' 4"	6' 4"	6' 4"	6' 1"	6' 1"	6' 1"	5' 8"	5' 8"	5' 8"	5' 4"	5' 4"	5' 4"
400S125-54	50	12	13' 10"	13' 10"	12' 6"	13' 0"	13' 0"	12' 0"	12' 2"	12' 2"	12' 2"	11' 7"	11' 7"	11' 7"	11' 1"	11' 1"	11' 1"	10' 9"	10' 7"	10' 6"
	50	16	12' 0"	12' 0"	11' 4"	11' 2"	11' 2"	10' 10"	10' 7"	10' 7"	10' 6"	10' 0"	10' 0"	10' 0"	9' 7"	9' 7"	9' 7"	9' 2"	9' 2"	9' 2"
	50	24	9' 9"	9' 9"	9' 9"	9' 2"	9' 2"	9' 2"	8' 7"	8' 7"	8' 7"	8' 2"	8' 2"	8' 2"	7' 9"	7' 9"	7' 9"	7' 6"	7' 6"	7' 6"
400S162-33	33	12	10' 6"	10' 6"	10' 6"	9' 8"	9' 8"	9' 8"	9' 1"	9' 1"	9' 1"	8' 7"	8' 7"	8' 7"	8' 1"	8' 1"	8' 1"	7' 8"	7' 8"	7' 8"
	33	16	8' 10"	8' 10"	8' 10"	8' 3"	8' 3"	8' 3"	7' 8"	7' 8"	7' 8"	7' 3"	7' 3"	7' 3"	6' 10"	6' 10"	6' 10"	6' 6"	6' 6"	6' 6"
	33	24	7' 0"	7' 0"	7' 0"	6' 6"	6' 6"	6' 6"	6' 0"	6' 0"	6' 0"	5' 8"	5' 8"	5' 8"	5' 3"	5' 3"	5' 3"	5' 0"	5' 0"	5' 0"
400S162-43	33	12	12' 6"	12' 6"	12' 6"	11' 7"	11' 7"	11' 7"	10' 10"	10' 10"	10' 10"	1								

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			35 psf			40 psf			45 psf			50 psf			55 psf			60 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
600S125-33	33	12	10' 9"	10' 9"	10' 9"	10' 1"	10' 1"	10' 1"	9' 6"	9' 6"	9' 6"	9' 0"	9' 0"	9' 0"	8' 7"	8' 7"	8' 7"	8' 3"	8' 3"	8' 3"
	33	16	9' 4"	9' 4"	9' 4"	8' 9"	8' 9"	8' 9"	8' 3"	8' 3"	8' 3"	7' 9"	7' 9"	7' 9"	7' 6"	7' 6"	7' 6"	7' 2"	7' 2"	7' 2"
	33	24	7' 7"	7' 7"	7' 7"	7' 2"	7' 2"	7' 2"	6' 8"	6' 8"	6' 8"	6' 2"	6' 2"	6' 2"	5' 10"	5' 10"	5' 10"	5' 6"	5' 6"	5' 6"
600S125-43	33	12	13' 2"	13' 2"	13' 2"	12' 3"	12' 3"	12' 3"	11' 7"	11' 7"	11' 7"	11' 0"	11' 0"	11' 0"	10' 6"	10' 6"	10' 6"	10' 1"	10' 1"	10' 1"
	33	16	11' 4"	11' 4"	11' 4"	10' 8"	10' 8"	10' 8"	10' 1"	10' 1"	10' 1"	9' 6"	9' 6"	9' 6"	9' 1"	9' 1"	9' 1"	8' 8"	8' 8"	8' 8"
	33	24	9' 3"	9' 3"	9' 3"	8' 8"	8' 8"	8' 8"	8' 2"	8' 2"	8' 2"	7' 9"	7' 9"	7' 9"	7' 3"	7' 3"	7' 3"	7' 1"	7' 1"	7' 1"
600S125-54	50	12	17' 8"	17' 8"	17' 4"	16' 6"	16' 6"	16' 6"	15' 7"	15' 7"	15' 7"	14' 9"	14' 9"	14' 9"	14' 1"	14' 1"	14' 1"	13' 6"	13' 6"	13' 6"
	50	16	15' 3"	15' 3"	15' 3"	14' 3"	14' 3"	14' 3"	13' 6"	13' 6"	13' 6"	12' 9"	12' 9"	12' 9"	12' 2"	12' 2"	12' 2"	11' 8"	11' 8"	11' 8"
	50	24	12' 6"	12' 6"	12' 6"	11' 8"	11' 8"	11' 8"	11' 0"	11' 0"	11' 0"	10' 6"	10' 6"	10' 6"	10' 0"	10' 0"	10' 0"	9' 6"	9' 6"	9' 6"
600S162-33	33	12	13' 7"	13' 7"	13' 7"	12' 8"	12' 8"	12' 8"	12' 0"	12' 0"	12' 0"	11' 4"	11' 4"	11' 4"	10' 8"	10' 8"	10' 8"	10' 1"	10' 1"	10' 1"
	33	16	11' 9"	11' 9"	11' 9"	10' 10"	10' 10"	10' 10"	10' 1"	10' 1"	10' 1"	9' 6"	9' 6"	9' 6"	8' 10"	8' 10"	8' 10"	8' 4"	8' 4"	8' 4"
	33	24	9' 2"	9' 2"	9' 2"	8' 4"	8' 4"	8' 4"	7' 9"	7' 9"	7' 9"	7' 2"	7' 2"	7' 2"	6' 8"	6' 8"	6' 8"	6' 3"	6' 3"	6' 3"
600S162-43	33	12	16' 3"	16' 3"	16' 3"	15' 2"	15' 2"	15' 2"	14' 4"	14' 4"	14' 4"	13' 7"	13' 7"	13' 7"	13' 0"	13' 0"	13' 0"	12' 4"	12' 4"	12' 4"
	33	16	14' 1"	14' 1"	14' 1"	13' 2"	13' 2"	13' 2"	12' 4"	12' 4"	12' 4"	11' 9"	11' 9"	11' 9"	11' 3"	11' 3"	11' 3"	10' 9"	10' 9"	10' 9"
	33	24	11' 6"	11' 6"	11' 6"	10' 9"	10' 9"	10' 9"	10' 2"	10' 2"	10' 2"	9' 7"	9' 7"	9' 7"	9' 2"	9' 2"	9' 2"	8' 9"	8' 9"	8' 9"
600S162-54	50	12	21' 8"	21' 8"	21' 8"	20' 3"	20' 3"	20' 3"	18' 1"	19' 1"	19' 1"	17' 4"	18' 1"	18' 1"	16' 9"	17' 3"	16' 3"	16' 7"	16' 7"	15' 9"
	50	16	18' 9"	18' 9"	17' 2"	17' 7"	17' 7"	16' 6"	16' 7"	16' 7"	15' 9"	15' 8"	15' 8"	15' 3"	15' 0"	15' 0"	14' 9"	14' 3"	14' 3"	14' 3"
	50	24	15' 3"	15' 3"	15' 0"	14' 3"	14' 3"	14' 3"	13' 6"	13' 6"	13' 6"	12' 9"	12' 9"	12' 9"	12' 2"	12' 2"	12' 2"	11' 8"	11' 8"	11' 8"
600S162-68	50	12	25' 2"	24' 1"	20' 3"	23' 7"	23' 0"	19' 4"	22' 2"	22' 1"	18' 8"	21' 1"	21' 1"	18' 0"	20' 1"	20' 1"	17' 6"	19' 2"	19' 2"	17' 0"
	50	16	21' 9"	21' 9"	18' 4"	20' 4"	20' 4"	17' 7"	19' 2"	19' 2"	17' 0"	18' 3"	18' 3"	16' 4"	17' 4"	17' 4"	15' 10"	16' 8"	16' 8"	15' 4"
	50	24	17' 9"	17' 9"	16' 1"	16' 8"	16' 8"	15' 4"	15' 8"	15' 8"	14' 9"	14' 10"	14' 10"	14' 3"	14' 2"	14' 2"	13' 10"	13' 7"	13' 7"	13' 6"
600S162-97	50	12	30' 6"	26' 8"	22' 6"	29' 2"	25' 6"	21' 6"	27' 6"	24' 6"	20' 8"	26' 1"	23' 8"	20' 0"	24' 10"	22' 10"	19' 4"	23' 9"	22' 3"	18' 9"
	50	16	27' 0"	24' 2"	20' 4"	25' 2"	23' 2"	19' 7"	23' 9"	22' 3"	18' 9"	22' 7"	21' 6"	18' 1"	21' 6"	20' 9"	17' 7"	20' 7"	20' 2"	17' 1"
	50	24	22' 0"	21' 2"	17' 10"	20' 7"	20' 2"	17' 1"	19' 4"	19' 4"	16' 4"	18' 4"	18' 4"	15' 10"	17' 7"	17' 7"	15' 4"	16' 9"	16' 9"	14' 10"
600S200-33	33	12	14' 6"	14' 6"	14' 6"	13' 4"	13' 4"	13' 4"	12' 6"	12' 6"	12' 6"	11' 8"	11' 8"	11' 8"	11' 0"	11' 0"	11' 0"	10' 4"	10' 4"	10' 4"
	33	16	12' 2"	12' 2"	12' 2"	11' 2"	11' 2"	11' 2"	10' 4"	10' 4"	10' 4"	9' 8"	9' 8"	9' 8"	9' 1"	9' 1"	9' 1"	8' 7"	8' 7"	8' 7"
	33	24	9' 4"	9' 4"	9' 4"	8' 7"	8' 7"	8' 7"	7' 10"	7' 10"	7' 10"	7' 3"	7' 3"	7' 3"	6' 10"	6' 10"	6' 10"	6' 4"	6' 4"	6' 4"
600S200-43	33	12	17' 4"	17' 4"	17' 4"	16' 3"	16' 3"	16' 3"	15' 4"	15' 4"	15' 4"	14' 7"	14' 7"	14' 7"	13' 10"	13' 10"	13' 10"	13' 3"	13' 3"	13' 3"
	33	16	15' 1"	15' 1"	15' 1"	14' 1"	14' 1"	14' 1"	13' 3"	13' 3"	13' 3"	12' 7"	12' 7"	12' 7"	12' 0"	12' 0"	12' 0"	11' 6"	11' 6"	11' 6"
	33	24	12' 3"	12' 3"	12' 3"	11' 6"	11' 6"	11' 6"	10' 9"	10' 9"	10' 9"	10' 1"	10' 1"	10' 1"	9' 7"	9' 7"	9' 7"	9' 1"	9' 1"	9' 1"
600S200-54	50	12	23' 2"	23' 2"	19' 10"	21' 8"	21' 8"	19' 0"	20' 4"	20' 4"	18' 3"	19' 4"	19' 4"	17' 8"	18' 6"	18' 6"	17' 1"	17' 8"	17' 8"	16' 7"
	50	16	20' 1"	20' 1"	18' 1"	18' 9"	18' 9"	17' 3"	17' 8"	17' 8"	16' 7"	16' 9"	16' 9"	16' 1"	16' 0"	15' 7"	15' 3"	15' 3"	15' 3"	15' 1"
	50	24	16' 4"	16' 4"	15' 9"	15' 3"	15' 3"	15' 1"	14' 6"	14' 6"	14' 6"	13' 8"	13' 8"	13' 8"	13' 1"	13' 1"	13' 1"	12' 4"	12' 4"	12' 4"
600S200-68	50	12	26' 10"	25' 3"	21' 4"	25' 2"	24' 2"	20' 4"	23' 8"	23' 3"	19' 7"	22' 6"	22' 6"	19' 0"	21' 6"	21' 6"	18' 4"	20' 7"	20' 7"	17' 9"
	50	16	23' 3"	23' 0"	19' 4"	21' 9"	21' 9"	18' 7"	20' 7"	20' 7"	17' 9"	19' 6"	19' 6"	17' 2"	18' 7"	18' 7"	16' 8"	17' 9"	17' 9"	16' 2"
	50	24	19' 0"	19' 0"	16' 10"	17' 9"	17' 9"	16' 2"	16' 9"	16' 9"	15' 7"	15' 10"	15' 10"	15' 0"	15' 2"	15' 2"	14' 7"	14' 6"	14' 6"	14' 2"
600S200-97	50	12	32' 2"	28' 1"	23' 8"	30' 9"	26' 10"	22' 8"	29' 7"	25' 9"	21' 9"	28' 0"	25' 0"	21' 0"	26' 8"	24' 2"	25' 7"	23' 6"	23' 6"	19' 9"
	50	16	29' 0"	25' 6"	21' 6"	27' 2"	24' 4"	20' 7"	25' 7"	23' 6"	19' 9"	24' 3"	22' 8"	19' 1"	23' 2"	22' 0"	18' 6"	22' 2"	21' 3"	18' 0"
	50	24	23' 8"	22' 3"	18' 9"	22' 2"	21' 3"	18' 0"	20' 10"	20' 6"	17' 3"	19' 9"	19' 9"	16' 8"	18' 10"	18' 10"	16' 2"	18' 1"	18' 1"	15' 8"
600S250-33	33	12	14' 9"	14' 9"	14' 9"	13' 7"	13' 7"	13' 7"	12' 8"	12' 8"	12' 8"	11' 10"	11' 10"	11' 10"	11' 2"	11' 2"	11' 2"	10' 7"	10' 7"	10' 7"
	33	16	12' 4"	12' 4"	12' 4"	11' 4"	11' 4"	11' 4"	10' 7"	10' 7"	10' 7"	9' 10"	9' 10"	9' 10"	9' 3"	9' 3"	9' 3"	8' 8"	8' 8"	8' 8"
	33	24	9' 7"	9' 7"	9' 7"	8' 8"	8' 8"	8' 8"	8' 0"	8' 0"	8' 0"	7' 4"	7' 4"	7' 4"	6' 10"	6' 10"	6' 10"	6' 6"	6' 6"	6' 6"
600S250-43	33	12	17' 10"	17' 10"	17' 10"	16' 8"	16' 8"	16' 8"	15' 9"	15' 9"	15' 9"	15' 0"	15' 0"	15' 0"	14' 3"	14' 3"	14' 3"	13' 8"	13' 8"	13' 8"
	33	16	15' 6"	15' 6"	15' 6"	14' 6"	14' 6"	14' 6"	13' 8"	13' 8"	13' 8"	13' 0"	13' 0"	13' 0"	12' 4"	12' 4"	12' 4"	11' 9"	11' 9"	11' 9"
	33	24	12' 8"	12' 8"	12' 8"	11' 9"	11' 9"	11' 9"	11' 0"	11' 0"	11' 0"	10' 3"	10' 3"	10' 3"	9' 8"	9' 8"	9' 8"	9' 2"	9' 2"	9' 2"
600S250-54	50	12	23' 9"	23' 9"	20' 7"	22' 2"	22' 2"	19' 8"	21' 0"	21' 0"	18' 10"	19' 10"	19' 10"	18' 3"	19' 0"	19' 0"	17' 8"	18' 1"	18' 1"	17' 2"
	50	16	20' 7"	20' 7"	18' 8"	19' 2"	19' 2"	17' 10"	18' 1"	18' 1"	17' 2"	17' 2"	17' 2"	16' 7"	16' 4"	16' 4"	16' 1"	15' 8"	15' 8"	15' 7"
	50	24	16' 9"	16' 9"	16' 3"	15' 8"	15' 8"	15' 7"	14' 9"	14' 9"	14' 9"	14' 1"	14' 1"	14' 1"	13' 3"	13' 3"	13' 3"	12' 8"	12' 8"	12' 8"
600S250-68	50	12	27' 8"	26' 4"	22' 3"	25' 10"	25' 3"	21' 3"	24' 4"	24' 3"	20' 6"	23' 2"	23' 2"	19' 9"	22' 1"	22' 1"	19' 2"	21' 1"	21' 1"	18' 7"
	50	16	24' 0"	24' 0"	20' 3"	22' 4"	22' 4"	19' 4"	21' 1"	21' 1"	18' 7"	20' 1"	20' 1"	18' 0"	19' 1"	19' 1"	17' 4"	18' 3"	18' 3"	16' 10"
	50	24	19' 7"	19' 7"	17' 8"	18' 3"	18' 3"	16' 10"	17' 3"	17' 3"	16' 3"	16' 4"	16' 4"	15' 8"	15' 7"	15' 7"	15' 2"	15' 0"	15' 0"	14' 9"
600S250-97	50	12	33' 9"	29' 6"	24' 10"	32' 3"	28' 2"	23' 9"	30' 7"	27' 1"	22' 10"	29' 1"	25' 0"	22' 1"	27' 8"	25' 4"	21' 4"	26' 6"	24' 8"	20' 9"
	50	16	30' 1"	26' 9"	22' 7"	28' 1"	25' 7"	21' 7"	26' 6"	24' 8"	20' 9"	25' 2"	23' 9"	20' 1"	24' 0"	23' 1"	19' 6"	23' 0"	22' 4"	18' 10"
	50	24	24' 7"	23' 4"	19' 9"	23' 0"	22' 4"	18' 10"	21' 8"	21' 6"	18' 2"	20' 6"	20' 6"	17' 6"	19' 7"	19' 7"	17' 0"	18' 9"	18' 9"	16' 6"
600S300-33	33	12	14' 10"	14' 10"	14' 10"	13' 8"	13' 8"	13' 8"	12' 9"	12' 9"	12' 9"	12' 0"	12' 0"	12' 0"	11' 3"	11' 3"	11' 3"	10' 8"	10' 8"	10' 8"
	33	16	12' 6"	12' 6"	12' 6"	11' 6"	11' 6"	11' 6"	10' 8"	10' 8"	10' 8"	9' 10"	9' 10"	9' 10"	9' 3"	9' 3"	9' 3"	8' 9"	8' 9"	8' 9"

DOUBLE SPAN CURTAIN WALL LIMITING HEIGHTS (ft-in.) continued

SPECIFIED LOADS			35 psf			40 psf			45 psf			50 psf			55 psf			60 psf		
Stud Member	F _y (ksi)	Spacing (in.) o.c.	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
800S162-43	33	12	19' 0"a	19' 0"a	19' 0"a	17' 9"a	17' 9"a	17' 9"a	16' 8"a	16' 8"a	16' 8"a	15' 8"a	15' 8"a	15' 8"a	14' 10"a	14' 10"a	14' 10"a	14' 1"a	14' 1"a	14' 1"a
	33	16	16' 4"a	16' 4"a	16' 4"a	15' 2"a	15' 2"a	15' 2"a	14' 1"a	14' 1"a	14' 1"a	13' 3"a	13' 3"a	13' 3"a	12' 6"a	12' 6"a	12' 6"a	11' 10"a	11' 10"a	11' 10"a
	33	24	12' 10"a	12' 10"a	12' 10"a	11' 10"a	11' 10"a	11' 10"a	11' 0"a	11' 0"a	11' 0"a	10' 3"a	10' 3"a	10' 3"a	9' 8"a	9' 8"a	9' 8"a	9' 2"a	9' 2"a	9' 2"a
800S162-54	50	12	25' 3"	25' 3"	23' 7"	23' 8"	23' 8"	22' 7"	22' 3"	22' 3"	21' 8"	21' 2"	21' 2"	21' 0"	20' 2"	20' 2"	20' 2"	19' 3"	19' 3"	19' 3"
	50	16	21' 10"	21' 10"	21' 6"	20' 6"	20' 6"	20' 6"	19' 3"	19' 3"	18' 3"	18' 3"	18' 3"	18' 3"	17' 6"	17' 6"	17' 6"	16' 8"	16' 8"	16' 8"
	50	24	17' 10"	17' 10"	17' 10"	16' 8"	16' 8"	16' 8"	15' 9"	15' 9"	15' 9"	15' 0"	15' 0"	15' 0"	14' 3"a	14' 3"a	14' 3"a	13' 7"a	13' 7"a	13' 7"a
800S162-68	50	12	29' 7"	29' 7"	25' 7"	27' 8"	27' 8"	24' 6"	26' 1"	26' 1"	23' 6"	24' 9"	24' 9"	22' 8"	23' 7"	23' 7"	22' 0"	22' 7"	22' 7"	21' 4"
	50	16	25' 8"	25' 8"	23' 2"	24' 0"	24' 0"	22' 2"	22' 7"	22' 7"	21' 4"	21' 6"	21' 6"	20' 7"	20' 6"	20' 6"	20' 0"	19' 7"	19' 7"	19' 4"
	50	24	21' 0"	21' 0"	20' 3"	19' 7"	19' 7"	19' 4"	18' 6"	18' 6"	18' 6"	17' 6"	17' 6"	17' 6"	16' 8"	16' 8"	16' 8"	16' 0"	16' 0"	16' 0"
800S162-97	50	12	37' 4"	33' 8"	28' 6"	35' 0"	32' 3"	27' 2"	33' 0"	31' 0"	26' 2"	31' 3"	30' 0"	25' 3"	29' 9"	29' 0"	24' 6"	28' 7"	28' 2"	23' 9"
	50	16	32' 4"	30' 8"	25' 10"	30' 3"	29' 3"	24' 8"	28' 7"	28' 2"	23' 9"	27' 1"	27' 1"	23' 0"	25' 9"	25' 9"	22' 2"	24' 8"	24' 8"	21' 7"
	50	24	26' 4"	26' 4"	22' 7"	24' 8"	24' 8"	21' 7"	23' 3"	23' 3"	20' 9"	22' 1"	22' 1"	20' 1"	21' 1"	21' 1"	20' 2"	20' 2"	20' 2"	18' 10"
800S200-43	33	12	20' 4"a	20' 4"a	20' 4"a	19' 1"a	19' 1"a	19' 1"a	18' 0"a	18' 0"a	18' 0"a	17' 1"a	17' 1"a	17' 1"a	16' 3"a	16' 3"a	16' 3"a	15' 6"a	15' 6"a	15' 6"a
	33	16	17' 8"a	17' 8"a	17' 8"a	16' 6"a	16' 6"a	16' 6"a	15' 6"a	15' 6"a	15' 6"a	14' 7"a	14' 7"a	14' 7"a	13' 8"a	13' 8"a	13' 8"a	13' 0"a	13' 0"a	13' 0"a
	33	24	14' 1"a	14' 1"a	14' 1"a	13' 0"a	13' 0"a	13' 0"a	12' 0"a	12' 0"a	12' 0"a	11' 2"a	11' 2"a	11' 2"a	10' 6"a	10' 6"a	10' 6"a	9' 10"a	9' 10"a	9' 10"a
800S200-54	50	12	27' 1"	27' 1"	25' 0"	25' 4"	25' 4"	23' 10"	23' 10"	23' 10"	23' 0"	22' 8"	22' 8"	22' 8"	21' 7"	21' 7"	21' 6"	20' 8"	20' 8"	20' 8"
	50	16	23' 6"	23' 6"	22' 8"	22' 0"	22' 0"	21' 8"	20' 8"	20' 8"	20' 8"	19' 8"	19' 8"	19' 8"	18' 8"	18' 8"	18' 8"	17' 10"	17' 10"	17' 10"
	50	24	19' 2"	19' 2"	19' 2"	17' 10"	17' 10"	17' 10"	16' 10"	16' 10"	16' 10"	16' 0"	16' 0"	16' 0"	15' 3"a	15' 3"a	15' 3"a	14' 8"a	14' 8"a	14' 8"a
800S200-68	50	12	31' 8"	31' 8"	26' 9"	29' 7"	29' 7"	25' 8"	28' 0"	28' 0"	24' 8"	26' 6"	26' 6"	23' 9"	25' 3"	25' 3"	23' 1"	24' 2"	24' 2"	22' 4"
	50	16	27' 4"	27' 4"	24' 4"	25' 8"	25' 8"	23' 3"	24' 2"	24' 2"	22' 4"	23' 0"	23' 0"	21' 7"	21' 10"	21' 10"	21' 0"	21' 0"	21' 0"	20' 4"
	50	24	22' 4"	22' 4"	21' 3"	21' 0"	21' 0"	20' 4"	19' 9"	19' 9"	19' 7"	18' 9"	18' 9"	18' 9"	17' 10"	17' 10"	17' 10"	17' 1"	17' 1"	17' 1"
800S200-97	50	12	39' 10"	35' 4"	29' 9"	37' 3"	33' 9"	28' 6"	35' 2"	32' 6"	27' 6"	33' 4"	31' 4"	26' 6"	31' 9"	30' 4"	25' 8"	30' 6"	29' 7"	24' 10"
	50	16	34' 7"	32' 2"	27' 1"	32' 3"	30' 9"	25' 10"	30' 6"	29' 7"	24' 10"	28' 10"	28' 6"	24' 1"	27' 7"	27' 7"	23' 3"	26' 4"	26' 4"	22' 8"
	50	24	28' 2"	28' 1"	23' 8"	26' 4"	26' 4"	22' 8"	24' 10"	24' 10"	21' 9"	23' 7"	23' 7"	21' 0"	22' 6"	22' 6"	20' 4"	21' 7"	21' 7"	19' 9"
800S250-43	33	12	20' 10"a	20' 10"a	20' 10"a	19' 6"a	19' 6"a	19' 6"a	18' 4"a	18' 4"a	18' 4"a	17' 6"a	17' 6"a	17' 6"a	16' 6"a	16' 6"a	16' 6"a	15' 7"a	15' 7"a	15' 7"a
	33	16	18' 1"a	18' 1"a	18' 1"a	16' 9"a	16' 9"a	16' 9"a	15' 7"a	15' 7"a	15' 7"a	14' 8"a	14' 8"a	14' 8"a	13' 9"a	13' 9"a	13' 9"a	13' 0"a	13' 0"a	13' 0"a
	33	24	14' 2"a	14' 2"a	14' 2"a	13' 0"a	13' 0"a	13' 0"a	12' 1"a	12' 1"a	12' 1"a	11' 2"a	11' 2"a	11' 2"a	10' 6"a	10' 6"a	10' 6"a	9' 10"a	9' 10"a	9' 10"a
800S250-54	50	12	27' 9"	27' 9"	25' 8"	26' 0"	26' 0"	24' 7"	24' 6"	24' 6"	23' 8"	23' 2"	23' 2"	22' 9"	22' 2"	22' 2"	22' 1"	21' 2"	21' 2"	21' 2"
	50	16	24' 1"	24' 1"	23' 4"	22' 6"	22' 6"	22' 4"	21' 2"	21' 2"	21' 2"	20' 1"	20' 1"	20' 1"	19' 2"	19' 2"	19' 2"	18' 4"	18' 4"	18' 4"
	50	24	19' 7"	19' 7"	19' 7"	18' 4"	18' 4"	18' 4"	17' 3"	17' 3"	17' 3"	16' 4"a	16' 4"a	16' 4"a	15' 8"a	15' 8"a	15' 8"a	14' 10"a	14' 10"a	14' 10"a
800S250-68	50	12	32' 6"	32' 6"	27' 10"	30' 4"	30' 4"	26' 8"	28' 8"	28' 8"	25' 7"	27' 2"	27' 2"	24' 9"	25' 10"	25' 10"	24' 0"	24' 9"	24' 9"	23' 3"
	50	16	28' 2"	28' 2"	25' 3"	26' 3"	26' 3"	24' 2"	24' 9"	24' 9"	23' 3"	23' 7"	23' 7"	22' 6"	22' 6"	22' 6"	21' 9"	21' 6"	21' 6"	21' 2"
	50	24	23' 0"	23' 0"	22' 1"	21' 6"	21' 6"	21' 2"	20' 3"	20' 3"	20' 3"	19' 2"	19' 2"	19' 2"	18' 3"	18' 3"	18' 3"	17' 7"	17' 7"	17' 7"
800S250-97	50	12	41' 2"	37' 0"	31' 2"	38' 6"	35' 4"	29' 9"	36' 3"	34' 0"	28' 8"	34' 4"	32' 9"	27' 8"	32' 9"	31' 9"	26' 9"	31' 4"	30' 10"	26' 1"
	50	16	35' 7"	33' 7"	28' 3"	33' 3"	32' 1"	27' 1"	31' 4"	30' 10"	26' 1"	29' 9"	29' 9"	25' 2"	28' 4"	28' 4"	24' 4"	27' 2"	27' 2"	23' 8"
	50	24	29' 1"	29' 1"	24' 9"	27' 2"	27' 2"	23' 8"	25' 8"	25' 8"	22' 9"	24' 4"	24' 4"	22' 0"	23' 2"	23' 2"	21' 3"	22' 2"	22' 2"	20' 8"
800S300-43	33	12	21' 2"a	21' 2"a	21' 2"a	19' 9"a	19' 9"a	19' 9"a	18' 7"a	18' 7"a	18' 7"a	17' 6"a	17' 6"a	17' 6"a	16' 6"a	16' 6"a	16' 6"a	15' 7"a	15' 7"a	15' 7"a
	33	16	18' 2"a	18' 2"a	18' 2"a	16' 9"a	16' 9"a	16' 9"a	15' 7"a	15' 7"a	15' 7"a	14' 8"a	14' 8"a	14' 8"a	13' 9"a	13' 9"a	13' 9"a	13' 0"a	13' 0"a	13' 0"a
	33	24	14' 2"a	14' 2"a	14' 2"a	13' 0"a	13' 0"a	13' 0"a	12' 1"a	12' 1"a	12' 1"a	11' 2"a	11' 2"a	11' 2"a	10' 6"a	10' 6"a	10' 6"a	9' 10"a	9' 10"a	9' 10"a
800S300-54	50	12	28' 2"	28' 2"	26' 3"	26' 4"	26' 4"	25' 2"	24' 9"	24' 9"	24' 2"	23' 7"	23' 7"	23' 4"	22' 6"	22' 6"	22' 6"	21' 6"	21' 6"	21' 6"
	50	16	24' 4"	24' 4"	23' 10"	22' 9"	22' 9"	22' 9"	21' 6"	21' 6"	21' 6"	20' 4"	20' 4"	20' 4"	19' 6"	19' 6"	19' 6"	18' 7"	18' 7"	18' 7"
	50	24	19' 10"	19' 10"	19' 10"	18' 7"	18' 7"	18' 7"	17' 7"	17' 7"	17' 7"	16' 7"	16' 7"	16' 7"	15' 8"a	15' 8"a	15' 8"a	14' 10"a	14' 10"a	14' 10"a
800S300-68	50	12	33' 1"	33' 1"	28' 7"	30' 10"	30' 10"	27' 3"	29' 2"	29' 2"	26' 3"	27' 8"	27' 8"	25' 4"	26' 4"	26' 4"	24' 7"	25' 2"	25' 2"	23' 10"
	50	16	28' 7"	28' 7"	26' 0"	26' 9"	26' 9"	24' 9"	25' 2"	25' 2"	23' 10"	24' 0"	24' 0"	23' 1"	22' 9"	22' 9"	22' 3"	21' 10"	21' 10"	21' 8"
	50	24	23' 4"	23' 4"	22' 8"	21' 10"	21' 10"	21' 8"	20' 7"	20' 7"	20' 7"	19' 7"	19' 7"	19' 7"	18' 7"	18' 7"	18' 7"	17' 10"	17' 10"	17' 10"
800S300-97	50	12	42' 0"	38' 2"	32' 2"	39' 3"	36' 7"	30' 9"	37' 1"	35' 2"	29' 8"	35' 2"	33' 10"	28' 7"	33' 6"	32' 10"	27' 8"	32' 1"	31' 10"	26' 10"
	50	16	36' 4"	34' 8"	29' 3"	34' 0"	33' 2"	28' 0"	32' 1"	31' 10"	26' 10"	30' 4"	30' 4"	26' 0"	29' 0"	29' 0"	25' 2"	27' 9"	27' 9"	24' 6"
	50	24	29' 8"	29' 8"	25' 7"	27' 9"	27' 9"	24' 6"	26' 2"	26' 2"	23' 6"	24' 10"	24' 10"	22' 8"	23' 8"	23' 8"	22' 0"	22' 8"	22' 8"	21' 4"

NOTES:

- 1) $p = I_w \{qC_uC_p\}$; I_w of 0.75 has been incorporated in the deflection values of the table.
The parameters in the bracket { } must be determined by the design professional in accordance with the NBCC.
- 2) "e" web stiffeners required at ends; "i" web stiffeners required at interior support; "a" web stiffeners required at ends and interior supports.

Table Notes

- 1 Limiting factored axial compressive resistances are based on a simple one span condition and are given in kip based on the assumption that the axial load passes through the centroid of the effective section.
- 2 Limiting axial resistances are based on 4'-0" on centre bracing. The ends of the studs are also assumed to be laterally and torsionally restrained. Design bracing for the accumulated torsion between bridging lines in combination with the discrete bracing requirements. Provide periodic anchorage for the bridging as required structurally.
- 3 Wind loads shown are factored and uniformly distributed over the surface of the wall. Axial loads are factored and are per stud. Seismic loads are not considered.
- 4 For wind load deflection calculations, $p = l_w \{qC_eC_gC_p\}$. l_w of 0.75 has been incorporated in the deflection values of the table. The parameters in the bracket { } must be determined by the design professional in accordance with the NBCC.
- 5 End supports are not checked for web crippling. See web crippling data on page 83.

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

0 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	362S162						362S200						362S250						362S300					
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50
8	12	3.03	4.15	6.28	8.06	11.7	10.9	3.59	5.09	7.81	9.95	14.1	14.1	3.87	5.75	8.74	11.5	16.2	4.02	5.86	8.78	12.1	17.8	4.02	5.86
	16	3.03	4.15	6.28	8.06	11.7	10.9	3.59	5.09	7.81	9.95	14.1	14.1	3.87	5.75	8.74	11.5	16.2	4.02	5.86	8.78	12.1	17.8	4.02	5.86
	24	3.03	4.15	6.28	8.06	11.7	10.9	3.59	5.09	7.81	9.95	14.1	14.1	3.87	5.75	8.74	11.5	16.2	4.02	5.86	8.78	12.1	17.8	4.02	5.86
9	12	2.93	4.01	5.94	7.57	10.9	10.1	3.48	4.90	7.35	9.30	13.1	13.1	3.75	5.58	8.34	10.8	15.1	3.90	5.70	8.40	11.5	17.0	3.90	5.70
	16	2.93	4.01	5.94	7.57	10.9	10.1	3.48	4.90	7.35	9.30	13.1	13.1	3.75	5.58	8.34	10.8	15.1	3.90	5.70	8.40	11.5	17.0	3.90	5.70
	24	2.93	4.00	5.94	7.57	10.9	10.1	3.47	4.89	7.35	9.30	13.1	13.1	3.75	5.58	8.34	10.8	15.1	3.90	5.70	8.40	11.5	17.0	3.90	5.70
10	12	2.81	3.84	5.56	7.03	10.1	9.3	3.35	4.67	6.84	8.60	12.1	12.1	3.62	5.39	7.92	9.99	14.0	3.77	5.53	7.98	10.7	15.8	3.77	5.53
	16	2.81	3.84	5.56	7.03	10.1	9.3	3.35	4.67	6.84	8.60	12.1	12.1	3.62	5.39	7.92	9.99	14.0	3.77	5.53	7.98	10.7	15.8	3.77	5.53
	24	2.81	3.84	5.56	7.03	10.1	9.3	3.35	4.67	6.84	8.60	12.1	12.1	3.62	5.39	7.92	9.99	14.0	3.77	5.53	7.98	10.7	15.8	3.77	5.53
12	12	2.53	3.45	4.65	5.82	8.22	7.4	3.05	4.17	5.69	7.08	9.87	9.87	3.31	4.85	6.66	8.27	11.5	3.47	5.11	7.14	9.22	13.1	3.47	5.11
	16	2.53	3.45	4.65	5.82	8.22	7.4	3.05	4.17	5.69	7.08	9.87	9.87	3.31	4.85	6.66	8.27	11.5	3.47	5.11	7.14	9.22	13.1	3.47	5.11
	24	2.53	3.45	4.65	5.82	8.22	7.4	3.05	4.17	5.69	7.08	9.87	9.87	3.31	4.85	6.66	8.27	11.5	3.47	5.11	7.14	9.22	13.1	3.47	5.11
14	12	2.21	3.00	3.81	4.74	6.59	5.9	2.69	3.62	4.63	5.73	7.92	7.92	2.97	4.23	5.43	6.72	9.29	3.14	4.64	6.13	7.69	10.6	3.14	4.64
	16	2.21	3.00	3.81	4.74	6.59	5.9	2.68	3.62	4.63	5.73	7.92	7.92	2.97	4.23	5.43	6.72	9.29	3.14	4.64	6.13	7.69	10.6	3.14	4.64
	24	2.20	3.00	3.81	4.74	6.59	5.9	2.68	3.62	4.63	5.73	7.92	7.92	2.97	4.23	5.43	6.72	9.29	3.13	4.64	6.13	7.69	10.6	3.13	4.64
16	12	1.87	2.53	3.13	3.87	5.33	4.7	2.27	3.06	3.79	4.68	6.43	6.43	2.61	3.59	4.45	5.51	7.58	2.78	4.11	5.11	6.33	8.72	2.78	4.11
	16	1.87	2.53	3.13	3.87	5.33	4.7	2.27	3.06	3.79	4.68	6.43	6.43	2.61	3.59	4.45	5.51	7.58	2.78	4.11	5.11	6.33	8.72	2.78	4.11
	24	1.87	2.53	3.13	3.87	5.33	4.7	2.27	3.06	3.79	4.68	6.42	6.42	2.60	3.59	4.45	5.51	7.58	2.77	4.11	5.11	6.32	8.71	2.77	4.11
18	12	1.58	2.10	2.59	3.20	4.37	3.9	1.91	2.54	3.13	3.86	5.28	5.28	2.25	2.99	3.69	4.56	6.26	2.43	3.43	4.25	5.26	7.23	2.43	3.43
	16	1.58	2.10	2.59	3.20	4.37	3.9	1.91	2.54	3.13	3.86	5.28	5.28	2.25	2.99	3.69	4.56	6.26	2.42	3.43	4.25	5.26	7.22	2.42	3.43
	24	1.58	2.10	2.59	3.20	4.37	3.9	1.91	2.53	3.13	3.86	5.28	5.28	2.25	2.99	3.69	4.56	6.26	2.42	3.43	4.25	5.26	7.22	2.42	3.43
20	12	1.35	1.76	2.17	2.67	3.63	3.1	1.62	2.12	2.62	3.23	4.40	4.40	1.92	2.51	3.10	3.83	5.23	2.13	2.89	3.57	4.42	6.06	2.13	2.89
	16	1.35	1.76	2.17	2.67	3.63	3.1	1.62	2.12	2.62	3.23	4.40	4.40	1.91	2.51	3.10	3.82	5.23	2.13	2.89	3.57	4.42	6.06	2.13	2.89
	24	1.34	1.76	2.17	2.67	3.63	3.1	1.62	2.12	2.62	3.23	4.40	4.40	1.91	2.51	3.10	3.82	5.23	2.13	2.89	3.57	4.42	6.06	2.13	2.89

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

10 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	362S162						362S200						362S250						362S300								
		33 ksi			50 ksi			97	33 ksi			50 ksi			97	33 ksi			50 ksi			97	33 ksi			50 ksi		
		33	43	54	68	97	33		43	54	68	97	33	43		54	68	97	33	43	54		68	97	33	43	54	68
8	12	2.58	3.69	5.85	7.63	11.3	3.10	4.60	7.34	9.49	13.7	3.38	5.22	8.24	11.0	15.8	3.55	5.36	8.32	11.6	17.4	3.55	5.36	8.32	11.6	17.4		
	16	2.43	3.54	5.72	7.49	11.1	2.94	4.44	7.18	9.34	13.5	3.23	5.06	8.08	10.9	15.6	3.39	5.19	8.16	11.5	17.2	3.39	5.19	8.16	11.5	17.2		
	24	2.15	3.26	5.45	7.23	10.9	2.64	4.13	6.88	9.04	13.3	2.92	4.73	7.77	10.6	15.3	3.09	4.87	7.87	11.1	16.9	3.09	4.87	7.87	11.1	16.9		
9	12	2.35	3.42	5.40	7.03	10.4	2.85	4.26	6.74	8.72	12.6	3.13	4.90	7.70	10.2	14.5	3.30	5.05	7.80	10.9	16.4	3.30	5.05	7.80	10.9	16.4		
	16	2.18	3.24	5.23	6.86	10.2	2.66	4.06	6.55	8.53	12.4	2.94	4.69	7.49	9.95	14.4	3.11	4.84	7.61	10.7	16.2	3.11	4.84	7.61	10.7	16.2		
	24	1.84	2.89	4.90	6.53	9.92	2.29	3.68	6.19	8.17	12.1	2.57	4.28	7.10	9.55	14.0	2.74	4.44	7.24	10.3	15.8	2.74	4.44	7.24	10.3	15.8		
10	12	2.11	3.12	4.90	6.37	9.45	2.58	3.89	6.10	7.89	11.4	2.86	4.54	7.11	9.21	13.3	3.02	4.71	7.24	9.96	15.0	3.02	4.71	7.24	9.96	15.0		
	16	1.90	2.90	4.70	6.17	9.25	2.35	3.66	5.88	7.66	11.2	2.63	4.28	6.87	8.96	13.0	2.80	4.45	7.00	9.71	14.8	2.80	4.45	7.00	9.71	14.8		
	24	1.52	2.49	4.32	5.78	8.88	1.93	3.22	5.45	7.24	10.8	2.19	3.80	6.39	8.50	12.6	2.36	3.97	6.56	9.24	14.3	2.36	3.97	6.56	9.24	14.3		
12	12	1.59	2.46	3.80	4.97	7.42	2.00	3.11	4.75	6.16	9.03	2.26	3.68	5.60	7.25	10.5	2.44	3.94	6.08	8.15	12.1	2.44	3.94	6.08	8.15	12.1		
	16	1.34 ⁴	2.20	3.56	4.73	7.18	1.72	2.81	4.48	5.90	8.78	1.98	3.35	5.30	6.95	10.3	2.14	3.60	5.77	7.83	11.8	2.14	3.60	5.77	7.83	11.8		
	24	0.90 ³	1.71 ⁴	3.12	4.28	6.74	1.22 ³	2.28 ⁴	3.99	5.40	8.31	1.45 ⁴	2.76	4.75	6.40	9.71	1.61 ⁴	2.99	5.19	7.24	11.2	1.61 ⁴	2.99	5.19	7.24	11.2		
14	12	1.11 ³	1.83	2.85	3.78	5.69	1.44 ⁴	2.34	3.56	4.69	6.97	1.69	2.80	4.23	5.56	8.19	1.85	3.13	4.82	6.41	9.45	1.85	3.13	4.82	6.41	9.45		
	16	0.85 ³	1.54 ³	2.60 ⁴	3.52	5.43	1.14 ³	2.03 ⁴	3.28	4.41	6.69	1.37 ³	2.45	3.91	5.24	7.87	1.52 ⁴	2.75	4.47	6.05	9.11	1.52 ⁴	2.75	4.47	6.05	9.11		
	24	0.39 ²	1.04 ³	2.15 ³	3.06 ³	4.97	0.62 ²	1.47 ³	2.79 ³	3.90 ⁴	6.20	0.81 ³	1.82 ³	3.35 ⁴	4.67	7.30	0.94 ³	2.07 ³	3.85 ⁴	5.42	8.48	0.94 ³	2.07 ³	3.85 ⁴	5.42	8.48		
16	12	0.72 ³	1.29 ³	2.12 ⁴	2.86	4.37	0.96 ³	1.69 ³	2.67	3.58	5.40	1.18 ³	2.05 ⁴	3.19	4.26	6.39	1.32 ³	2.37	3.69	4.94	7.42	1.32 ³	2.37	3.69	4.94	7.42		
	16	0.46 ²	1.01 ³	1.87 ³	2.60 ³	4.12	0.67 ²	1.38 ³	2.39 ³	3.30 ⁴	5.13	0.86 ³	1.69 ³	2.87 ⁴	3.94	6.06	0.98 ³	1.97 ³	3.34 ⁴	4.58	7.06	0.98 ³	1.97 ³	3.34 ⁴	4.58	7.06		
	24	0.02 ¹	0.52 ²	1.44 ²	2.15 ³	3.67 ³	0.17 ¹	0.84 ²	1.91 ³	2.80 ³	4.63 ⁴	0.30 ²	1.09 ³	2.33 ³	3.38 ³	5.49	0.39 ²	1.29 ³	2.72 ³	3.95 ³	6.43	0.39 ²	1.29 ³	2.72 ³	3.95 ³	6.43		
18	12	0.42 ²	0.87 ²	1.57 ³	2.17 ³	3.39	0.60 ²	1.18 ³	2.00 ³	2.74 ⁴	4.23	0.77 ²	1.45 ³	2.40 ³	3.28	5.02	0.89 ³	1.69 ³	2.80 ⁴	3.82	5.86	0.89 ³	1.69 ³	2.80 ⁴	3.82	5.86		
	16	0.18 ¹	0.60 ²	1.34 ²	1.92 ³	3.15 ³	0.32 ²	0.88 ²	1.74 ³	2.47 ³	3.96 ⁴	0.46 ²	1.11 ³	2.11 ³	2.97 ³	4.70	0.56 ²	1.31 ³	2.46 ³	3.48 ⁴	5.51	0.56 ²	1.31 ³	2.46 ³	3.48 ⁴	5.51		
	24		0.15 ¹	0.93 ¹	1.50 ²	2.72 ³		0.38 ¹	1.29 ²	2.00 ²	3.48 ³		0.54 ²	1.59 ²	2.44 ³	4.14 ³		0.66 ²	1.87 ²	2.87 ³	4.89 ³		0.66 ²	1.87 ²	2.87 ³	4.89 ³		
20	12	0.21 ¹	0.56 ²	1.16 ²	1.65 ³	2.66 ³	0.34 ¹	0.80 ²	1.50 ³	2.11 ³	3.34 ⁴	0.46 ²	1.00 ²	1.82 ³	2.54 ³	3.98	0.56 ²	1.18 ³	2.12 ³	2.98 ³	4.67	0.56 ²	1.18 ³	2.12 ³	2.98 ³	4.67		
	16		0.31 ¹	0.94 ¹	1.42 ²	2.42 ³	0.08 ¹	0.53 ¹	1.26 ²	1.85 ²	3.08 ³	0.17 ¹	0.69 ²	1.54 ²	2.25 ³	3.67 ³	0.24 ¹	0.82 ²	1.80 ²	2.64 ³	4.33 ⁴	0.24 ¹	0.82 ²	1.80 ²	2.64 ³	4.33 ⁴		
	24			0.56 ¹	1.02 ¹	2.02 ²		0.06 ¹	0.83 ¹	1.41 ¹	2.63 ²		0.16 ¹	1.05 ¹	1.74 ²	3.14 ³		0.22 ¹	1.25 ¹	2.07 ²	3.74 ³		0.22 ¹	1.25 ¹	2.07 ²	3.74 ³		

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

20 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	362S162						362S200						362S250						362S300					
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		33	43	54	68	97	109	133	168	204	241	278	315	352	389	426	463	500	537	574	611	648	685	722	759
8	12	2.15	3.26	5.45	7.23	10.9	10.6	13.3	16.8	20.4	24.1	27.8	31.5	35.2	38.9	42.6	46.3	50.0	53.7	57.4	61.1	64.8	68.5	72.2	75.9
	16	1.89	2.98	5.19	6.96	10.6	10.6	13.0	16.5	20.0	23.5	27.0	30.5	34.0	37.5	41.0	44.5	48.0	51.5	55.0	58.5	62.0	65.5	69.0	72.5
	24	1.38	2.46	4.69	6.46	10.2	10.2	12.5	16.0	19.5	23.0	26.5	30.0	33.5	37.0	40.5	44.0	47.5	51.0	54.5	58.0	61.5	65.0	68.5	72.0
9	12	1.84	2.89	4.90	6.53	9.92	9.92	12.1	15.6	19.1	22.6	26.1	29.6	33.1	36.6	40.1	43.6	47.1	50.6	54.1	57.6	61.1	64.6	68.1	71.6
	16	1.52	2.56	4.59	6.21	9.62	9.62	11.8	15.2	18.6	22.0	25.4	28.8	32.2	35.6	39.0	42.4	45.8	49.2	52.6	56.0	59.4	62.8	66.2	69.6
	24	0.94 ³	1.94 ⁴	4.00	5.61	9.03	9.03	11.2	14.6	17.9	21.3	24.6	28.0	31.4	34.8	38.2	41.6	45.0	48.4	51.8	55.2	58.6	62.0	65.4	68.8
10	12	1.52	2.49	4.32	5.78	8.88	8.88	10.8	14.0	17.2	20.4	23.6	26.8	30.0	33.2	36.4	39.6	42.8	46.0	49.2	52.4	55.6	58.8	62.0	65.2
	16	1.16 ⁴	2.12	3.96	5.42	8.52	8.52	10.5	13.6	16.7	19.8	22.9	26.0	29.1	32.2	35.3	38.4	41.5	44.6	47.7	50.8	53.9	57.0	60.1	63.2
	24	0.52 ³	1.43 ³	3.30 ⁴	4.74	7.86	7.86	9.75	12.6	15.5	18.4	21.3	24.2	27.1	30.0	32.9	35.8	38.7	41.6	44.5	47.4	50.3	53.2	56.1	59.0
12	12	0.90 ³	1.71 ⁴	3.12	4.28	6.74	6.74	8.31	10.7	13.1	15.5	17.9	20.3	22.7	25.1	27.5	30.0	32.4	34.8	37.2	39.6	42.0	44.4	46.8	49.2
	16	0.51 ²	1.28 ³	2.73 ³	3.87 ⁴	6.33	6.33	7.87	10.2	12.6	15.0	17.4	19.8	22.2	24.6	27.0	29.4	31.8	34.2	36.6	39.0	41.4	43.8	46.2	48.6
	24		0.53 ²	2.03 ³	3.14 ³	5.59 ⁴	5.59 ⁴	7.07	9.45	11.8	14.2	16.6	19.0	21.4	23.8	26.2	28.6	31.0	33.4	35.8	38.2	40.6	43.0	45.4	47.8
14	12	0.39 ²	1.04 ³	2.15 ³	3.06 ³	4.97	4.97	6.20	8.04	9.88	11.7	13.5	15.3	17.1	18.9	20.7	22.5	24.3	26.1	27.9	29.7	31.5	33.3	35.1	36.9
	16		0.60 ²	1.76 ²	2.65 ³	4.56 ³	4.56 ³	5.75 ⁴	7.59 ⁴	9.43	11.2	13.0	14.8	16.6	18.4	20.2	22.0	23.8	25.6	27.4	29.2	31.0	32.8	34.6	36.4
	24			1.08 ¹	1.93 ²	3.82 ³	3.82 ³	4.94 ³	6.46 ³	7.98 ³	9.50 ³	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.0	27.5	29.0	30.5
16	12	0.02 ¹	0.52 ²	1.44 ²	2.15 ³	3.67 ³	3.67 ³	4.63 ⁴	6.09 ⁴	7.55 ⁴	9.01 ⁴	10.4	11.8	13.2	14.6	16.0	17.4	18.8	20.2	21.6	23.0	24.4	25.8	27.2	28.6
	16		0.11 ¹	1.07 ¹	1.76 ²	3.27 ³	3.27 ³	4.19 ³	5.45 ³	6.71 ³	7.97 ³	9.23 ³	10.5	11.8	13.1	14.4	15.7	17.0	18.3	19.6	20.9	22.2	23.5	24.8	26.1
	24			0.43 ¹	1.08 ¹	2.57 ²	2.57 ²	3.42 ²	4.37 ²	5.32 ²	6.27 ²	7.22 ²	8.17 ²	9.12 ²	10.0	10.9	11.8	12.7	13.6	14.5	15.4	16.3	17.2	18.1	19.0
18	12		0.15 ¹	0.93 ¹	1.50 ²	2.72 ³	2.72 ³	3.48 ³	4.43 ³	5.38 ³	6.33 ³	7.28 ³	8.23 ³	9.18 ³	10.1	11.0	11.9	12.8	13.7	14.6	15.5	16.4	17.3	18.2	19.1
	16			0.58 ¹	1.13 ¹	2.34 ²	2.34 ²	3.06 ²	3.91 ²	4.76 ²	5.61 ²	6.46 ²	7.31 ²	8.16 ²	9.01	9.86	10.7	11.6	12.5	13.4	14.3	15.2	16.1	17.0	17.9
	24				0.50 ¹	1.68 ¹	1.68 ¹	2.34 ¹	3.00 ¹	3.66 ¹	4.32 ¹	4.98 ¹	5.64 ¹	6.30 ¹	6.96 ¹	7.62 ¹	8.28 ¹	8.94 ¹	9.60 ¹	10.26 ¹	10.92 ¹	11.58 ¹	12.24 ¹	12.90 ¹	13.56 ¹
20	12				0.56 ¹	2.02 ²	2.02 ²	2.63 ²	3.39 ²	4.15 ²	4.91 ²	5.67 ²	6.43 ²	7.19 ²	7.95 ²	8.71 ²	9.47 ²	10.23 ²	11.0	11.7	12.5	13.2	14.0	14.7	15.5
	16				0.24 ¹	1.66 ¹	1.66 ¹	2.24 ¹	2.91 ¹	3.58 ¹	4.25 ¹	4.92 ¹	5.59 ¹	6.26 ¹	6.93 ¹	7.60 ¹	8.27 ¹	8.94 ¹	9.61 ¹	10.28 ¹	10.95 ¹	11.62 ¹	12.29 ¹	12.96 ¹	13.63 ¹
	24				0.09 ¹	1.06 ¹	1.06 ¹	1.56 ¹	2.06 ¹	2.56 ¹	3.06 ¹	3.56 ¹	4.06 ¹	4.56 ¹	5.06 ¹	5.56 ¹	6.06 ¹	6.56 ¹	7.06 ¹	7.56 ¹	8.06 ¹	8.56 ¹	9.06 ¹	9.56 ¹	10.06 ¹

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

30 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	362S162						362S200						362S250						362S300					
		33 ksi		50 ksi		97		33 ksi		50 ksi		97		33 ksi		50 ksi		97		33 ksi		50 ksi		97	
		33	43	54	68	83	97	33	43	54	68	83	97	33	43	54	68	83	97	33	43	54	68	83	97
8	12	1.76	2.85	5.06	6.83	10.5	97	2.21	3.68	6.45	8.62	12.9	97	2.49	4.25	7.31	10.1	14.9	2.66	4.40	7.43	10.7	16.5	16.5	
	16	1.38	2.46	4.69	6.46	10.2		1.80	3.26	6.04	8.20	12.5		2.07	3.80	6.87	9.62	14.4	2.24	3.95	7.01	10.2	16.0		
	24	0.69 ³	1.73 ⁴	3.99	5.74	9.46		1.04 ⁴	2.46	5.25	7.41	11.8		1.29 ⁴	2.94	6.03	8.75	13.6	1.45	3.09	6.20	9.35	15.2		
9	12	1.37	2.40	4.44	6.05	9.47		1.78	3.15	5.67	7.65	11.6		2.05	3.70	6.54	8.98	13.4	2.21	3.86	6.70	9.67	15.2		
	16	0.94 ³	1.94 ⁴	4.00	5.61	9.03		1.31 ⁴	2.65	5.18	7.16	11.2		1.56 ⁴	3.16	6.01	8.43	12.9	1.72	3.32	6.19	9.12	14.6		
	24	0.16 ³	1.11 ³	3.19 ³	4.77 ⁴	8.21		0.45 ³	1.74 ³	4.27 ⁴	6.24	10.3		0.67 ³	2.16 ⁴	5.02	7.41	11.9	0.81 ³	2.31 ⁴	5.23	8.08	13.6		
10	12	0.99 ³	1.94 ⁴	3.79	5.24	8.35		1.35 ⁴	2.61	4.86	6.65	10.3		1.60 ⁴	3.13	5.74	7.84	11.9	1.76	3.30	5.93	8.57	13.7		
	16	0.52 ³	1.43 ³	3.30 ⁴	4.74	7.86		0.83 ³	2.05 ⁴	4.32	6.10	9.75		1.06 ³	2.51 ⁴	5.13	7.23	11.3	1.20 ³	2.68	5.34	7.94	13.0		
	24		0.53 ²	2.43 ³	3.83 ³	6.94 ⁴		1.06 ³	1.06 ³	3.34 ³	5.10 ⁴	8.77		0.08 ²	1.40 ³	4.04 ³	6.10	10.2	0.20 ³	1.54 ³	4.25 ⁴	6.77	11.8		
12	12	0.32 ²	1.08 ³	2.54 ³	3.68 ⁴	6.14		0.57 ³	1.59 ³	3.34 ³	4.74 ⁴	7.66		0.77 ³	1.98 ³	4.01 ⁴	5.66	8.97	0.90 ³	2.18 ⁴	4.42 ⁴	6.44	10.4		
	16		0.53 ²	2.03 ³	3.14 ³	5.59 ⁴		0.01 ²	0.98 ²	2.76 ³	4.15 ³	7.07		0.17 ²	1.29 ³	3.36 ³	4.99 ⁴	8.28	0.27 ²	1.45 ³	3.73 ³	5.71 ⁴	9.63		
	24			1.12 ²	2.19 ³	4.61 ³				1.74 ²	3.10 ²	6.00 ³			0.10 ²	2.20 ²	3.80 ³	7.06 ³		0.19 ²	2.50 ²	4.41 ³	8.29 ⁴		
14	12		0.40 ²	1.58 ²	2.46 ³	4.36 ³		0.77 ²	0.77 ²	2.15 ³	3.24 ³	5.53 ⁴		0.10 ²	1.03 ²	2.62 ³	3.92 ³	6.53	0.19 ²	1.20 ³	3.04 ³	4.58 ³	7.63		
	16			1.08 ¹	1.93 ²	3.82 ³		0.16 ¹	0.16 ¹	1.59 ²	2.68 ²	4.94 ³			0.34 ²	1.98 ²	3.25 ³	5.84 ³		0.44 ²	2.33 ²	3.84 ³	6.88 ⁴		
	24			0.22 ¹	1.02 ¹	2.88 ²				0.62 ¹	1.65 ¹	3.91 ²				0.88 ¹	2.11 ²	4.63 ³			1.10 ¹	2.55 ²	5.54 ³		
16	12			0.90 ¹	1.58 ²	3.08 ²		0.17 ¹	0.17 ¹	1.31 ²	2.17 ²	3.99 ³			0.32 ¹	1.63 ²	2.66 ²	4.73 ³		0.42 ¹	1.93 ²	3.14 ³	5.59 ³		
	16			0.43 ¹	1.08 ¹	2.57 ²				0.78 ¹	1.62 ¹	3.42 ²				1.03 ¹	2.03 ²	4.07 ³			1.26 ¹	2.43 ²	4.86 ³		
	24				0.23 ¹	1.68 ¹					0.68 ¹	2.45 ¹				0.01 ¹	0.95 ¹	2.93 ²			0.10 ¹	1.22 ¹	3.59 ²		
18	12			0.42 ¹	0.96 ¹	2.16 ²				0.72 ¹	1.40 ¹	2.87 ²				0.94 ¹	1.75 ²	3.42 ²			1.13 ¹	2.10 ²	4.09 ³		
	16				0.50 ¹	1.68 ¹				0.23 ¹	0.89 ¹	2.34 ¹				0.38 ¹	1.17 ¹	2.80 ²			0.50 ¹	1.44 ¹	3.40 ²		
	24					0.87 ¹					0.02 ¹	1.44 ¹					0.17 ¹	1.73 ¹				0.32 ¹	2.20 ¹		
20	12			0.09 ¹	0.52 ¹	1.50 ¹				0.31 ¹	0.86 ¹	2.06 ¹				0.45 ¹	1.10 ¹	2.46 ²			0.57 ¹	1.35 ¹	2.98 ²		
	16				0.09 ¹	1.06 ¹					0.38 ¹	1.56 ¹					0.56 ¹	1.88 ¹				0.74 ¹	2.33 ¹		
	24					0.30 ¹						0.72 ¹						0.89 ¹					1.22 ¹		

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

40 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	362S162						362S200						362S250						362S300						
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97
		33	43	54	68		33	43	54	68		33	43	54	68		33	43	54	68		33	43	54	68	
8	12	1.38	2.46	4.69	6.46	10.2	1.80	3.26	6.04	8.20	12.5	2.07	3.80	6.87	9.62	14.4	2.24	3.95	7.01	10.2	16.0					
	16	0.91 ³	1.97	4.22	5.97	9.69	1.29 ⁴	2.72	5.51	7.67	12.0	1.55	3.22	6.30	9.03	13.9	1.71	3.37	6.46	9.64	15.5					
	24	0.05 ³	1.05 ³	3.33 ⁴	5.06	8.80	0.34 ³	1.72 ³	4.51	6.67	11.1	0.57 ³	2.13 ⁴	5.24	7.92	12.8	0.71 ³	2.28	5.43	8.52	14.3					
9	12	0.94 ³	1.94 ⁴	4.00	5.61	9.03	1.31 ⁴	2.65	5.18	7.16	11.2	1.56 ⁴	3.16	6.01	8.43	12.9	1.72	3.32	6.19	9.12	14.6					
	16	0.41 ³	1.38 ³	3.45 ⁴	5.04	8.48	0.72 ³	2.03 ⁴	4.57	6.54	10.6	0.95 ³	2.48	5.34	7.74	12.2	1.10 ³	2.64	5.54	8.42	13.9					
	24		0.36 ²	2.46 ³	4.00 ³	7.44		0.91 ³	3.45 ³	5.40 ⁴	9.45		1.24 ³	4.11 ³	6.47	11.0		1.38 ³	4.33 ⁴	7.11	12.6					
10	12	0.52 ³	1.43 ³	3.30 ⁴	4.74	7.86	0.83 ³	2.05 ⁴	4.32	6.10	9.75	1.06 ³	2.51 ⁴	5.13	7.23	11.3	1.20 ³	2.68	5.34	7.94	13.0					
	16		0.82 ³	2.71 ³	4.12 ³	7.23	0.20 ²	1.37 ³	3.65 ³	5.42 ⁴	9.09	0.39 ³	1.76 ³	4.39 ⁴	6.46	10.6	0.52 ³	1.91 ³	4.60 ⁴	7.15	12.2					
	24			1.65 ²	3.01 ³	6.10 ³		0.17 ²	2.46 ³	4.19 ³	7.87 ⁴		0.42 ²	3.05 ³	5.09 ³	9.18		0.52 ³	3.27 ³	5.70 ³	10.7					
12	12		0.53 ²	2.03 ³	3.14 ³	5.59 ⁴	0.01 ²	0.98 ²	2.76 ³	4.15 ³	7.07	0.17 ²	1.29 ³	3.36 ³	4.99 ⁴	8.28	0.27 ²	1.45 ³	3.73 ³	5.71 ⁴	9.63					
	16			1.41 ²	2.49 ²	4.92 ³		0.25 ²	2.07 ²	3.43 ³	6.34 ³		0.48 ²	2.57 ³	4.17 ³	7.45 ⁴		0.59 ²	2.89 ³	4.82 ³	8.72					
	24			0.34 ¹	1.35 ¹	3.74 ²			0.86 ¹	2.17 ²	5.06 ³			1.20 ²	2.75 ²	5.96 ³			1.43 ²	3.27 ²	7.09 ³					
14	12			1.08 ¹	1.93 ²	3.82 ³		0.16 ¹	1.59 ²	2.66 ²	4.94 ³		0.34 ²	1.98 ²	3.25 ³	5.84 ³		0.44 ²	2.33 ²	3.84 ³	6.88 ⁴					
	16			0.49 ¹	1.30 ¹	3.18 ²			0.93 ¹	1.97 ²	4.23 ²			1.23 ¹	2.47 ²	5.01 ³			1.49 ²	2.96 ²	5.97 ³					
	24				0.23 ¹	2.06 ¹				0.78 ¹	3.00 ¹				1.11 ¹	3.58 ²			0.04 ¹	1.44 ¹	4.38 ²					
16	12			0.43 ¹	1.08 ¹	2.57 ²			0.78 ¹	1.62 ¹	3.42 ²			1.03 ¹	2.03 ²	4.07 ³			1.26 ¹	2.43 ²	4.86 ³					
	16				0.50 ¹	1.96 ¹			0.17 ¹	0.97 ¹	2.76 ¹			0.33 ¹	1.29 ¹	3.29 ²			0.46 ¹	1.60 ¹	3.99 ²					
	24					0.92 ¹					1.61 ¹				0.03 ¹	1.94 ¹			0.19 ¹	2.49 ¹						
18	12				0.50 ¹	1.68 ¹			0.23 ¹	0.89 ¹	2.34 ¹			0.38 ¹	1.17 ¹	2.80 ²			0.50 ¹	1.44 ¹	3.40 ²					
	16					1.12 ¹				0.30 ¹	1.72 ¹				0.48 ¹	2.07 ¹				0.67 ¹	2.58 ¹					
	24					0.17 ¹					0.66 ¹					0.82 ¹					1.18 ¹					
20	12				0.09 ¹	1.06 ¹				0.38 ¹	1.56 ¹				0.56 ¹	1.88 ¹			0.74 ¹	2.33 ¹	5.71 ³					
	16					0.54 ¹					0.99 ¹					1.20 ¹			0.02 ¹	1.57 ¹	0.27 ¹					
	24										0.01 ¹					0.04 ¹										

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

50 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	362S162						362S200						362S250						362S300					
		33 ksi		50 ksi		97		33 ksi		50 ksi		97		33 ksi		50 ksi		97		33 ksi		50 ksi		97	
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68
8	12	1.03 ⁴	2.09	4.33	6.09	9.80	1.41	2.85	5.64	7.80	12.1	1.68	3.36	6.44	9.18	14.0	1.84	3.51	6.60	9.78	15.6				
	16	0.47 ³	1.50 ⁴	3.77	5.50	9.24	0.80 ³	2.21 ⁴	5.00	7.16	11.5	1.05 ⁴	2.66	5.76	8.47	13.3	1.20 ⁴	2.81	5.94	9.07	14.9				
	24		0.42 ³	2.72 ³	4.41 ⁴	8.17	0.00 ³	1.02 ³	3.82 ³	5.96	10.4		1.37 ³	4.49 ⁴	7.13	12.0	0.01 ³	1.51 ⁴	4.69	7.72	13.6				
9	12	0.54 ³	1.52 ³	3.59 ⁴	5.18	8.61	0.86 ³	2.18 ⁴	4.72	6.69	10.7	1.10 ³	2.65	5.50	7.91	12.4	1.25 ⁴	2.80	5.70	8.59	14.1				
	16		0.85 ³	2.94 ³	4.51 ⁴	7.95	0.18 ³	1.45 ³	3.99 ⁴	5.95	9.99	0.39 ³	1.84 ³	4.71 ⁴	7.09	11.6	0.52 ³	1.99 ⁴	4.92	7.75	13.3				
	24			1.78 ²	3.29 ³	6.72 ³		0.14 ²	2.68 ³	4.61 ³	8.68 ⁴		0.40 ³	3.27 ³	5.58 ³	10.1	0.51 ³	3.49 ³	6.20 ⁴	11.7					
10	12	0.09 ²	0.97 ³	2.85 ³	4.27 ⁴	7.39	0.35 ³	1.54 ³	3.82 ⁴	5.59	9.25	0.55 ³	1.94 ³	4.57 ⁴	6.65	10.8	0.69 ³	2.09 ⁴	4.78	7.34	12.4				
	16		0.25 ²	2.16 ³	3.54 ³	6.65 ⁴		0.75 ³	3.04 ³	4.79 ³	8.46		1.06 ³	3.70 ³	5.75 ⁴	9.86		1.19 ³	3.91 ³	6.40 ⁴	11.4				
	24			0.93 ²	2.25 ³	5.33 ³			1.66 ²	3.36 ³	7.03 ³			2.15 ²	4.15 ³	8.22 ³			2.36 ³	4.71 ³	9.65 ⁴				
12	12		0.03 ²	1.56 ²	2.64 ³	5.08 ³		0.43 ²	2.23 ²	3.60 ³	6.52 ³		0.67 ²	2.76 ³	4.37 ³	7.65 ⁴		0.79 ³	3.09 ³	5.04 ³	8.94				
	16			0.85 ¹	1.90 ²	4.31 ³			1.44 ²	2.78 ³	5.68 ³			1.86 ²	3.43 ³	6.68 ³			2.13 ²	4.01 ³	7.88 ³				
	24				0.60 ¹	2.96 ²			0.07 ¹	1.34 ¹	4.20 ²			0.30 ¹	1.81 ²	4.97 ²			0.46 ¹	2.23 ³	6.00 ³				
14	12			0.63 ¹	1.45 ¹	3.33 ²			1.08 ¹	2.14 ²	4.40 ³			1.41 ²	2.66 ²	5.21 ³			1.69 ²	3.17 ²	6.18 ³				
	16				0.74 ¹	2.59 ¹			0.34 ¹	1.35 ¹	3.59 ²			0.56 ¹	1.76 ¹	4.26 ²			0.73 ¹	2.17 ²	5.14 ³				
	24					1.32 ¹				0.01 ¹	2.19 ¹				0.23 ¹	2.63 ¹				0.44 ¹	3.33 ²				
16	12			0.01 ¹	0.64 ¹	2.11 ¹			0.32 ¹	1.13 ¹	2.92 ²			0.50 ¹	1.47 ¹	3.47 ²			0.65 ¹	1.80 ¹	4.20 ²				
	16					1.42 ¹				0.40 ¹	2.16 ¹				0.63 ¹	2.58 ¹			0.86 ¹	3.21 ²					
	24					0.25 ¹					0.86 ¹				1.06 ¹					1.51 ¹					
18	12				0.09 ¹	1.26 ¹				0.44 ¹	1.87 ¹				0.65 ¹	2.24 ¹			0.85 ¹	2.77 ¹					
	16					0.62 ¹					1.17 ¹					1.41 ¹				1.85 ¹					
	24																			0.27 ¹					
20	12					0.66 ¹					1.13 ¹				0.08 ¹	1.36 ¹			0.19 ¹	1.75 ¹					
	16					0.07 ¹					0.48 ¹					0.59 ¹				0.89 ¹					
	24																								

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

60 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	362S162						362S200						362S250						362S300						
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97
		33	43	54	68		33	43	54	68		33	43	54	68		33	43	54	68		33	43	54	68	
8	12	0.69 ³	1.73 ⁴	3.99	5.74	9.46	1.04 ⁴	2.46	5.25	7.41	11.8	1.29 ⁴	2.94	6.03	8.75	13.6	1.45	3.09	6.20	9.35	15.2	1.45	3.09	6.20	9.35	15.2
	16	0.05 ³	1.05 ³	3.33 ⁴	5.06	8.80	0.34 ³	1.72 ³	4.51	6.67	11.1	0.57 ³	2.13 ⁴	5.24	7.92	12.8	0.71 ³	2.28	5.43	8.52	14.3	0.71 ³	2.28	5.43	8.52	14.3
	24			2.13 ³	3.80 ³	7.56 ⁴		0.36 ³	3.16 ³	5.29 ⁴	9.73		0.65 ³	3.77 ³	6.38 ⁴	11.3		0.77 ³	3.98 ⁴	6.95	12.8		0.77 ³	3.98 ⁴	6.95	12.8
9	12	0.16 ³	1.11 ³	3.19 ³	4.77 ⁴	8.21	0.45 ³	1.74 ³	4.27 ⁴	6.24	10.3	0.67 ³	2.16 ⁴	5.02	7.41	11.9	0.81 ³	2.31 ⁴	5.23	8.08	13.6	0.81 ³	2.31 ⁴	5.23	8.08	13.6
	16		0.36 ²	2.46 ³	4.00 ³	7.44		0.91 ³	3.45 ³	5.40 ⁴	9.45		1.24 ³	4.11 ³	6.47	11.0		1.38 ³	4.33 ⁴	7.11	12.6		1.38 ³	4.33 ⁴	7.11	12.6
	24			1.14 ²	2.62 ²	6.04 ³			1.97 ²	3.86 ³	7.94 ³			2.48 ³	4.75 ³	9.25 ⁴			2.70 ³	5.33 ³	10.8			2.70 ³	5.33 ³	10.8
10	12		0.53 ²	2.43 ³	3.83 ³	6.94 ⁴		1.06 ³	3.34 ³	5.10 ⁴	8.77	0.08 ²	1.40 ³	4.04 ³	6.10	10.2	0.20 ³	1.54 ³	4.25 ⁴	6.77	11.8	0.20 ³	1.54 ³	4.25 ⁴	6.77	11.8
	16			1.65 ²	3.01 ³	6.10 ³		0.17 ²	2.46 ³	4.19 ³	7.87 ⁴		0.42 ²	3.05 ³	5.09 ³	9.18		0.52 ³	3.27 ³	5.70 ³	10.7		0.52 ³	3.27 ³	5.70 ³	10.7
	24			0.27 ¹	1.55 ³	4.60 ²			0.92 ²	2.58 ²	6.25 ³			1.31 ²	3.27 ³	7.31 ³			1.51 ²	3.79 ³	8.67 ³			1.51 ²	3.79 ³	8.67 ³
12	12			1.12 ²	2.19 ²	4.61 ³			1.74 ²	3.10 ²	6.00 ³		0.10 ²	2.20 ²	3.80 ³	7.06 ³		0.19 ²	2.50 ²	4.41 ³	8.29 ⁴			2.50 ²	4.41 ³	8.29 ⁴
	16			0.34 ¹	1.35 ¹	3.74 ²			0.86 ¹	2.17 ²	5.06 ³			1.20 ²	2.75 ²	5.96 ³			1.43 ²	3.27 ²	7.09 ³			1.43 ²	3.27 ²	7.09 ³
	24					2.24 ¹			0.58 ¹	3.41 ²	3.41 ²				0.94 ¹	4.05 ²			1.28 ¹	4.99 ²				1.28 ¹	4.99 ²	
14	12			0.22 ¹	1.02 ¹	2.88 ²			0.62 ¹	1.65 ¹	3.91 ²			0.88 ¹	2.11 ²	4.63 ³			1.10 ¹	2.55 ²	5.54 ³			1.10 ¹	2.55 ²	5.54 ³
	16				0.23 ¹	2.06 ¹			0.78 ¹	3.00 ¹	3.00 ¹				1.11 ¹	3.58 ²			0.04 ¹	4.38 ²			0.04 ¹	4.38 ²		
	24					0.65 ¹					1.45 ¹					1.76 ¹				2.37 ¹				2.37 ¹		
16	12				0.23 ¹	1.68 ¹			0.68 ¹	2.45 ¹	2.45 ¹			0.01 ¹	0.95 ¹	2.93 ²			0.10 ¹	1.22 ¹	3.59 ²			0.10 ¹	1.22 ¹	3.59 ²
	16					0.92 ¹					1.61 ¹				0.03 ¹	1.94 ¹				0.19 ¹	2.49 ¹				0.19 ¹	2.49 ¹
	24										0.18 ¹					0.26 ¹				0.61 ¹				0.61 ¹		
18	12					0.87 ¹				0.02 ¹	1.44 ¹				0.17 ¹	1.73 ¹				0.32 ¹	2.20 ¹				0.32 ¹	2.20 ¹
	16					0.17 ¹					0.66 ¹					0.82 ¹				1.18 ¹				1.18 ¹		
	24																									
20	12					0.30 ¹					0.72 ¹					0.89 ¹				1.22 ¹					1.22 ¹	
	16										0.01 ¹					0.04 ¹				0.27 ¹				0.27 ¹		
	24																									

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

70 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	362S162						362S200						362S250						362S300						
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97
		33	43	54	68		97	33	43	54		68	97	33	43		54	68	97	33		43	54	68	97	
8	12	0.36 ³	1.39 ³	3.66 ⁴	5.39	9.13	0.68 ³	2.08 ⁴	4.88	7.04	11.4	0.92 ³	2.53	5.63	8.33	13.2	1.07 ⁴	2.68	5.81	8.93	14.8	1.07 ⁴	2.68	5.81	8.93	14.8
	16		0.63 ³	2.92 ³	4.62 ⁴	8.37	0.00 ³	1.25 ³	4.04 ⁴	6.19	10.6	0.11 ³	1.62 ³	4.73 ⁴	7.39	12.3	0.24 ³	1.76 ⁴	4.93	7.98	13.8	0.24 ³	1.76 ⁴	4.93	7.98	13.8
	24			1.57 ²	3.21 ³	6.97 ³			2.53 ³	4.64 ³	9.09 ⁴			3.09 ³	5.65 ⁴	10.6		0.07 ³	3.30 ³	6.21 ⁴	12.0		0.07 ³	3.30 ³	6.21 ⁴	12.0
9	12		0.72 ³	2.82 ³	4.38 ⁴	7.82	0.05 ³	1.31 ³	3.85 ³	5.81	9.86	0.25 ³	1.69 ³	4.56 ⁴	6.93	11.4	0.38 ³	1.83 ⁴	4.77	7.59	13.1	0.38 ³	1.83 ⁴	4.77	7.59	13.1
	16			2.00 ³	3.52 ³	6.96 ⁴		0.39 ³	2.93 ³	4.86 ³	8.93		0.67 ³	3.55 ³	5.87 ⁴	10.4		0.79 ³	3.76 ³	6.49 ⁴	12.0		0.79 ³	3.76 ³	6.49 ⁴	12.0
	24			0.54 ²	1.98 ³	5.38 ³			1.29 ²	3.16 ³	7.24 ³			1.73 ²	3.96 ³	8.45 ³			1.94 ³	4.50 ³	9.88 ⁴			1.94 ³	4.50 ³	9.88 ⁴
10	12		0.12 ²	2.03 ³	3.41 ³	6.51 ⁴		0.60 ²	2.89 ³	4.63 ³	8.31 ⁴		0.90 ³	3.53 ³	5.58 ⁴	9.69		1.02 ³	3.75 ³	6.23 ⁴	11.2		1.02 ³	3.75 ³	6.23 ⁴	11.2
	16			1.16 ²	2.50 ²	5.58 ³			1.92 ²	3.63 ³	7.31 ³			2.44 ³	4.45 ³	8.53 ⁴			2.65 ³	5.04 ³	9.99			2.65 ³	5.04 ³	9.99
	24				0.90 ¹	3.92 ²			0.22 ¹	1.86 ²	5.50 ²			0.53 ²	2.45 ²	6.46 ³			0.70 ²	2.92 ²	7.73 ³			0.70 ²	2.92 ²	7.73 ³
12	12			0.72 ¹	1.76 ²	4.17 ²			1.29 ²	2.62 ²	5.52 ³			1.69 ²	3.26 ²	6.50 ³			1.95 ²	3.82 ³	7.68 ³			1.95 ²	3.82 ³	7.68 ³
	16				0.85 ¹	3.21 ²			0.33 ¹	1.61 ¹	4.48 ²			0.59 ¹	2.11 ²	5.29 ³			0.77 ¹	2.56 ²	6.35 ³			0.77 ¹	2.56 ²	6.35 ³
	24					1.56 ¹					2.67 ¹				0.14 ¹	3.19 ²			0.39 ¹	4.04 ²	10.4			0.39 ¹	4.04 ²	10.4
14	12				0.61 ¹	2.45 ¹			0.20 ¹	1.20 ¹	3.44 ²			0.40 ¹	1.59 ¹	4.09 ²			0.55 ¹	1.98 ²	4.94 ²			0.55 ¹	1.98 ²	4.94 ²
	16					1.56 ¹			0.26 ¹	2.46 ¹	7.76 ¹				0.51 ¹	2.93 ¹			0.77 ¹	3.67 ²	9.99			0.77 ¹	3.67 ²	9.99
	24					0.02 ¹					0.76 ¹					0.96 ¹				1.47 ¹	14.8				1.47 ¹	14.8
16	12					1.29 ¹				0.26 ¹	2.02 ¹				0.48 ¹	2.42 ¹				0.69 ¹	3.02 ¹				0.69 ¹	3.02 ¹
	16					0.46 ¹					1.10 ¹					1.34 ¹				1.82 ¹	18.2				1.82 ¹	18.2
	24																									
18	12					0.50 ¹					1.03 ¹					1.26 ¹				1.68 ¹	16.8				1.68 ¹	16.8
	16										0.19 ¹					0.27 ¹				0.57 ¹	5.7				0.57 ¹	5.7
	24																									
20	12										0.35 ¹					0.45 ¹				0.73 ¹	7.3				0.73 ¹	7.3
	16																									
	24																									

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

0 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	400S162						400S200						400S250						400S300					
		33 ksi		43 ksi		54 ksi		50 ksi		33 ksi		43 ksi		54 ksi		50 ksi		33 ksi		43 ksi		54 ksi		50 ksi	
		33	43	33	43	33	43	33	43	33	43	33	43	33	43	33	43	33	43	33	43	33	43	33	43
8	12	3.23	4.44	6.93	9.20	13.4	13.4	16.2	16.2	4.08	6.07	9.35	12.8	18.7	18.7	18.7	18.7	4.24	6.19	9.54	13.3	20.2	20.2	20.2	20.2
	16	3.23	4.44	6.93	9.20	13.4	13.4	16.2	16.2	4.08	6.07	9.35	12.8	18.7	18.7	18.7	18.7	4.24	6.19	9.54	13.3	20.2	20.2	20.2	20.2
	24	3.23	4.44	6.93	9.20	13.4	13.4	16.2	16.2	4.08	6.07	9.35	12.8	18.7	18.7	18.7	18.7	4.24	6.19	9.54	13.3	20.2	20.2	20.2	20.2
9	12	3.15	4.33	6.66	8.82	12.7	12.7	15.3	15.3	3.98	5.93	9.12	12.4	17.7	17.7	17.7	17.7	4.14	6.05	9.21	12.9	19.3	19.3	19.3	19.3
	16	3.15	4.33	6.66	8.82	12.7	12.7	15.3	15.3	3.98	5.93	9.12	12.4	17.7	17.7	17.7	17.7	4.14	6.05	9.21	12.9	19.3	19.3	19.3	19.3
	24	3.15	4.33	6.66	8.82	12.7	12.7	15.3	15.3	3.98	5.93	9.12	12.4	17.7	17.7	17.7	17.7	4.14	6.05	9.21	12.9	19.3	19.3	19.3	19.3
10	12	3.05	4.19	6.34	8.37	12.0	12.0	14.4	14.4	3.87	5.77	8.77	11.8	16.6	16.6	16.6	16.6	4.03	5.90	8.85	12.5	18.4	18.4	18.4	18.4
	16	3.05	4.19	6.33	8.37	12.0	12.0	14.4	14.4	3.87	5.77	8.77	11.8	16.6	16.6	16.6	16.6	4.03	5.90	8.84	12.5	18.4	18.4	18.4	18.4
	24	3.05	4.19	6.33	8.37	12.0	12.0	14.4	14.4	3.87	5.77	8.77	11.8	16.6	16.6	16.6	16.6	4.03	5.90	8.84	12.5	18.4	18.4	18.4	18.4
12	12	2.81	3.86	5.57	7.24	10.2	10.2	12.2	12.2	3.61	5.39	7.92	10.2	14.2	14.2	14.2	14.2	3.77	5.55	8.01	11.0	16.1	16.1	16.1	16.1
	16	2.81	3.85	5.57	7.24	10.2	10.2	12.2	12.2	3.61	5.39	7.92	10.2	14.2	14.2	14.2	14.2	3.77	5.55	8.01	11.0	16.1	16.1	16.1	16.1
	24	2.81	3.85	5.57	7.24	10.2	10.2	12.2	12.2	3.61	5.39	7.92	10.2	14.2	14.2	14.2	14.2	3.77	5.55	8.01	11.0	16.1	16.1	16.1	16.1
14	12	2.52	3.46	4.71	5.98	8.33	8.33	9.99	9.99	3.31	4.85	6.66	8.44	11.7	11.7	11.7	11.7	3.47	5.14	7.22	9.47	13.3	13.3	13.3	13.3
	16	2.52	3.46	4.71	5.98	8.33	8.33	9.99	9.99	3.30	4.85	6.66	8.44	11.7	11.7	11.7	11.7	3.47	5.14	7.22	9.47	13.3	13.3	13.3	13.3
	24	2.52	3.45	4.71	5.98	8.33	8.33	9.99	9.99	3.30	4.85	6.66	8.44	11.7	11.7	11.7	11.7	3.47	5.14	7.22	9.47	13.3	13.3	13.3	13.3
16	12	2.21	3.02	3.96	4.91	6.78	6.78	8.13	8.13	2.98	4.25	5.56	6.93	9.55	9.55	9.55	9.55	3.15	4.68	6.29	7.93	10.9	10.9	10.9	10.9
	16	2.21	3.02	3.96	4.91	6.78	6.78	8.13	8.13	2.98	4.25	5.56	6.93	9.55	9.55	9.55	9.55	3.15	4.68	6.29	7.93	10.9	10.9	10.9	10.9
	24	2.20	3.02	3.96	4.91	6.78	6.78	8.13	8.13	2.97	4.25	5.56	6.93	9.55	9.55	9.55	9.55	3.15	4.68	6.29	7.93	10.9	10.9	10.9	10.9
18	12	1.89	2.58	3.29	4.07	5.57	5.57	6.70	6.70	2.63	3.64	4.65	5.75	7.90	7.90	7.90	7.90	2.81	4.18	5.33	6.60	9.08	9.08	9.08	9.08
	16	1.88	2.58	3.29	4.07	5.57	5.57	6.70	6.70	2.63	3.64	4.65	5.75	7.89	7.89	7.89	7.89	2.81	4.18	5.33	6.59	9.08	9.08	9.08	9.08
	24	1.88	2.58	3.29	4.07	5.57	5.57	6.70	6.70	2.63	3.64	4.65	5.75	7.89	7.89	7.89	7.89	2.80	4.17	5.33	6.59	9.08	9.08	9.08	9.08
20	12	1.61	2.20	2.76	3.40	4.64	4.64	5.58	5.58	2.30	3.10	3.90	4.82	6.61	6.61	6.61	6.61	2.48	3.56	4.48	5.54	7.62	7.62	7.62	7.62
	16	1.61	2.20	2.76	3.40	4.63	4.63	5.58	5.58	2.30	3.10	3.90	4.82	6.61	6.61	6.61	6.61	2.48	3.56	4.48	5.54	7.62	7.62	7.62	7.62
	24	1.61	2.20	2.76	3.40	4.63	4.63	5.58	5.58	2.30	3.10	3.90	4.82	6.60	6.60	6.60	6.60	2.47	3.55	4.48	5.54	7.62	7.62	7.62	7.62

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

10 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	400S162						400S200						400S250						400S300						
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2.81	4.02	6.53	8.79	13.0	3.34	5.00	8.19	10.9	15.8	3.63	5.59	8.90	12.4	18.3	3.80	5.72	9.10	12.9	19.8	3.66	5.57	8.96	12.7	19.6
	16	2.67	3.88	6.40	8.65	12.9	3.19	4.85	8.05	10.7	15.7	3.49	5.44	8.75	12.2	18.1	3.66	5.57	8.96	12.7	19.6	3.66	5.57	8.96	12.7	19.6
	24	2.41	3.61	6.14	8.39	12.7	2.91	4.56	7.76	10.4	15.4	3.20	5.13	8.46	11.9	17.8	3.38	5.27	8.68	12.4	19.3	3.38	5.27	8.68	12.4	19.3
9	12	2.61	3.78	6.14	8.28	12.3	3.12	4.70	7.67	10.2	14.8	3.41	5.32	8.52	11.8	17.1	3.58	5.46	8.65	12.3	18.7	3.58	5.46	8.65	12.3	18.7
	16	2.44	3.61	5.97	8.11	12.1	2.94	4.52	7.48	10.0	14.7	3.23	5.12	8.33	11.6	16.9	3.40	5.26	8.47	12.1	18.6	3.40	5.26	8.47	12.1	18.6
	24	2.12	3.28	5.65	7.77	11.8	2.59	4.15	7.12	9.64	14.3	2.88	4.74	7.96	11.2	16.5	3.05	4.89	8.11	11.7	18.2	3.05	4.89	8.11	11.7	18.2
10	12	2.39	3.51	5.69	7.70	11.4	2.88	4.37	7.08	9.45	13.7	3.16	5.00	8.02	11.0	15.9	3.34	5.15	8.14	11.7	17.6	3.34	5.15	8.14	11.7	17.6
	16	2.19	3.30	5.49	7.49	11.2	2.66	4.14	6.86	9.22	13.5	2.95	4.76	7.78	10.7	15.6	3.12	4.91	7.92	11.4	17.4	3.12	4.91	7.92	11.4	17.4
	24	1.81	2.91	5.10	7.08	10.8	2.25	3.71	6.43	8.78	13.1	2.53	4.29	7.32	10.3	15.2	2.70	4.46	7.48	11.0	16.9	2.70	4.46	7.48	11.0	16.9
12	12	1.89	2.90	4.67	6.31	9.36	2.33	3.63	5.80	7.76	11.3	2.61	4.26	6.82	9.08	13.2	2.79	4.45	7.00	9.91	15.0	2.79	4.45	7.00	9.91	15.0
	16	1.64	2.63	4.41	6.03	9.10	2.05	3.33	5.51	7.46	11.1	2.32	3.93	6.49	8.75	12.8	2.50	4.13	6.69	9.57	14.7	2.50	4.13	6.69	9.57	14.7
	24	1.18 ³	2.13	3.94	5.52	8.61	1.54 ⁴	2.79	4.98	6.90	10.5	1.80	3.33	5.90	8.13	12.2	1.96	3.52	6.11	8.93	14.0	1.96	3.52	6.11	8.93	14.0
14	12	1.40	2.26	3.64	4.88	7.32	1.78	2.87	4.52	6.03	8.92	2.04	3.41	5.34	7.11	10.4	2.21	3.69	5.87	8.06	12.0	2.21	3.69	5.87	8.06	12.0
	16	1.12 ³	1.95 ⁴	3.35	4.59	7.04	1.46 ⁴	2.53	4.20	5.70	8.61	1.71 ⁴	3.03	4.98	6.75	10.1	1.87	3.29	5.49	7.66	11.6	1.87	3.29	5.49	7.66	11.6
	24	0.62 ³	1.41 ³	2.84 ³	4.05 ⁴	6.51	0.90 ³	1.93 ³	3.64 ⁴	5.11	8.04	1.12 ³	2.36 ⁴	4.34	6.08	9.40	1.26 ³	2.59 ⁴	4.81	6.94	10.9	1.26 ³	2.59 ⁴	4.81	6.94	10.9
16	12	0.97 ³	1.68 ⁴	2.79	3.74	5.69	1.27 ³	2.17	3.47	4.64	6.97	1.50 ⁴	2.60	4.11	5.50	8.18	1.66 ⁴	2.92	4.70	6.34	9.47	1.66 ⁴	2.92	4.70	6.34	9.47
	16	0.68 ³	1.36 ³	2.50 ³	3.44	5.40	0.94 ³	1.82 ³	3.15 ⁴	4.31	6.65	1.15 ³	2.21 ⁴	3.75	5.13	7.81	1.30 ³	2.49 ⁴	4.30	5.93	9.06	1.30 ³	2.49 ⁴	4.30	5.93	9.06
	24	0.19 ²	0.81 ²	1.99 ³	2.91 ³	4.87 ⁴	0.38 ²	1.21 ³	2.59 ³	3.73 ³	6.08	0.55 ²	1.53 ³	3.11 ³	4.47 ⁴	7.14	0.66 ²	1.75 ³	3.59 ³	5.19	8.33	0.66 ²	1.75 ³	3.59 ³	5.19	8.33
18	12	0.61 ²	1.19 ³	2.10 ³	2.87 ⁴	4.45	0.84 ³	1.57 ³	2.64 ⁴	3.58	5.49	1.05 ³	1.92 ⁴	3.15	4.27	6.47	1.18 ³	2.23 ⁴	3.65	4.95	7.52	1.18 ³	2.23 ⁴	3.65	4.95	7.52
	16	0.34 ²	0.88 ²	1.82 ³	2.58 ³	4.16 ⁴	0.53 ²	1.24 ³	2.33 ³	3.26 ³	5.18	0.70 ²	1.53 ³	2.80 ³	3.90 ⁴	6.10	0.82 ³	1.79 ³	3.25 ³	4.54	7.12	0.82 ³	1.79 ³	3.25 ³	4.54	7.12
	24		0.36 ¹	1.34 ²	2.08 ²	3.66 ³		0.66 ²	1.80 ²	2.71 ³	4.62 ³	0.10 ¹	0.88 ²	2.19 ³	3.27 ³	5.44 ⁴	0.18 ²	1.05 ²	2.56 ³	3.83 ³	6.40	0.18 ²	1.05 ²	2.56 ³	3.83 ³	6.40
20	12	0.35 ²	0.81 ²	1.58 ³	2.21 ³	3.51 ⁴	0.52 ²	1.12 ³	2.01 ³	2.78 ³	4.37	0.68 ²	1.38 ³	2.41 ³	3.33 ⁴	5.15	0.79 ²	1.61 ³	2.80 ³	3.88	6.03	0.79 ²	1.61 ³	2.80 ³	3.88	6.03
	16	0.09 ¹	0.52 ²	1.31 ²	1.93 ³	3.24 ³	0.22 ¹	0.80 ²	1.71 ²	2.48 ³	4.06 ³	0.35 ²	1.01 ²	2.08 ³	2.99 ³	4.80 ⁴	0.43 ²	1.19 ³	2.42 ³	3.49 ³	5.63	0.43 ²	1.19 ³	2.42 ³	3.49 ³	5.63
	24		0.03 ¹	0.86 ¹	1.46 ²	2.76 ²		0.25 ¹	1.21 ¹	1.96 ²	3.54 ³		0.39 ¹	1.50 ²	2.39 ²	4.17 ³		0.49 ²	1.77 ²	2.82 ³	4.94 ³		0.49 ²	1.77 ²	2.82 ³	4.94 ³

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

20 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	400S162						400S200						400S250						400S300						
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2.41	3.61	6.14	8.39	12.7	2.91	4.56	7.76	10.4	15.4	3.20	5.13	8.46	11.9	17.8	3.38	5.27	8.68	12.4	19.3	3.38	5.27	8.68	12.4	19.3
	16	2.16	3.35	5.89	8.12	12.4	2.64	4.27	7.48	10.1	15.2	2.93	4.84	8.18	11.6	17.5	3.10	4.98	8.40	12.1	19.1	3.10	4.98	8.40	12.1	19.1
	24	1.67	2.85	5.41	7.62	11.9	2.11	3.73	6.93	9.59	14.7	2.40	4.26	7.62	11.0	16.9	2.57	4.41	7.86	11.5	18.5	2.57	4.41	7.86	11.5	18.5
9	12	2.12	3.28	5.65	7.77	11.8	2.59	4.15	7.12	9.64	14.3	2.88	4.74	7.96	11.2	16.5	3.05	4.89	8.11	11.7	18.2	3.05	4.89	8.11	11.7	18.2
	16	1.81	2.96	5.34	7.44	11.5	2.26	3.81	6.78	9.29	14.0	2.54	4.37	7.59	10.8	16.2	2.72	4.52	7.76	11.4	17.8	2.72	4.52	7.76	11.4	17.8
	24	1.23 ⁴	2.35	4.75	6.82	10.9	1.63	3.15	6.12	8.61	13.4	1.90	3.66	6.90	10.0	15.4	2.07	3.82	7.09	10.6	17.1	2.07	3.82	7.09	10.6	17.1
10	12	1.81	2.91	5.10	7.08	10.8	2.25	3.71	6.43	8.78	13.1	2.53	4.29	7.32	10.3	15.2	2.70	4.46	7.48	11.0	16.9	2.70	4.46	7.48	11.0	16.9
	16	1.45	2.53	4.74	6.69	10.4	1.86	3.30	6.02	8.35	12.7	2.13	3.85	6.88	9.79	14.7	2.30	4.02	7.07	10.5	16.5	2.30	4.02	7.07	10.5	16.5
	24	0.80 ³	1.84 ⁴	4.06	5.96	9.72	1.15 ³	2.55	5.26	7.56	12.0	1.40 ⁴	3.04	6.07	8.91	13.9	1.56 ⁴	3.20	6.27	9.61	15.6	1.56 ⁴	3.20	6.27	9.61	15.6
12	12	1.18 ³	2.13	3.94	5.52	8.61	1.54 ⁴	2.79	4.98	6.90	10.5	1.80	3.33	5.90	8.13	12.2	1.96	3.52	6.11	8.93	14.0	1.96	3.52	6.11	8.93	14.0
	16	0.76 ³	1.68 ³	3.50 ⁴	5.06	8.15	1.08 ³	2.30 ⁴	4.49	6.39	10.0	1.32 ³	2.78	5.35	7.56	11.7	1.47 ⁴	2.97	5.58	8.34	13.4	1.47 ⁴	2.97	5.58	8.34	13.4
	24	0.03 ²	0.88 ³	2.72 ³	4.22 ³	7.32	0.27 ²	1.42 ³	3.62 ³	5.47 ⁴	9.15	0.46 ³	1.80 ³	4.36 ⁴	6.52	10.6	0.59 ³	1.96 ³	4.60 ⁴	7.26	12.3	0.59 ³	1.96 ³	4.60 ⁴	7.26	12.3
14	12	0.62 ³	1.41 ³	2.84 ³	4.05 ⁴	6.51	0.90 ³	1.93 ³	3.64 ⁴	5.11	8.04	1.12 ³	2.36 ⁴	4.34	6.08	9.40	1.26 ³	2.59 ⁴	4.81	6.94	10.9	1.26 ³	2.59 ⁴	4.81	6.94	10.9
	16	0.19 ²	0.93 ²	2.39 ³	3.57 ³	6.03	0.41 ²	1.40 ³	3.13 ³	4.59 ⁴	7.53	0.60 ²	1.77 ³	3.77 ³	5.48	8.79	0.72 ³	1.96 ³	4.21 ⁴	6.29	10.2	0.72 ³	1.96 ³	4.21 ⁴	6.29	10.2
	24		0.10 ¹	1.60 ²	2.73 ²	5.18 ³		0.49 ²	2.25 ²	3.66 ³	6.60 ³		0.73 ²	2.77 ³	4.43 ³	7.71 ⁴		0.86 ²	3.13 ³	5.13 ³	9.04		0.86 ²	3.13 ³	5.13	9.04
16	12	0.19 ²	0.81 ²	1.99 ³	2.91 ³	4.87 ⁴	0.38 ²	1.21 ³	2.59 ³	3.73 ³	6.08	0.55 ²	1.53 ³	3.11 ³	4.47 ⁴	7.14	0.66 ²	1.75 ³	3.59 ³	5.19	8.33	0.66 ²	1.75 ³	3.59 ³	5.19	8.33
	16		0.34 ¹	1.55 ²	2.45 ³	4.41 ³		0.69 ²	2.10 ²	3.22 ³	5.57 ³	0.02 ²	0.94 ²	2.56 ³	3.89 ³	6.53 ⁴	0.10 ²	1.10 ²	2.97 ³	4.55 ³	7.67	0.10 ²	1.10 ²	2.97 ³	4.55 ³	7.67
	24			0.79 ¹	1.65 ²	3.59 ²			1.26 ¹	2.33 ²	4.68 ³			1.60 ²	2.88 ²	5.48 ³			1.90 ²	3.42 ³	6.51 ³			1.90 ²	3.42 ³	6.51 ³
18	12		0.36 ¹	1.34 ²	2.08 ²	3.66 ³		0.66 ²	1.80 ²	2.71 ³	4.62 ³	0.10 ¹	0.88 ²	2.19 ³	3.27 ³	5.44 ⁴	0.18 ²	1.05 ²	2.56 ³	3.83 ³	6.40	0.18 ²	1.05 ²	2.56 ³	3.83 ³	6.40
	16			0.92 ¹	1.64 ²	3.22 ²		0.16 ¹	1.34 ²	2.23 ²	4.14 ³		0.31 ¹	1.66 ²	2.72 ²	4.86 ³		0.41 ²	1.97 ²	3.22 ³	5.76 ³	0.41 ²	1.97 ²	3.22 ³	5.76 ³	5.76 ³
	24			0.22 ¹	0.89 ¹	2.45 ¹			0.55 ¹	1.40 ¹	3.29 ²			0.76 ¹	1.78 ¹	3.86 ²			0.95 ¹	2.16 ²	4.65 ³			0.95 ¹	2.16 ²	4.65 ³
20	12		0.03 ¹	0.86 ¹	1.46 ²	2.76 ²		0.25 ¹	1.21 ¹	1.96 ²	3.54 ³		0.39 ¹	1.50 ²	2.39 ²	4.17 ³		0.49 ²	1.77 ²	2.82 ³	4.94 ³		0.49 ²	1.77 ²	2.82 ³	4.94 ³
	16			0.48 ¹	1.05 ¹	2.34 ²			0.78 ¹	1.51 ¹	3.08 ²			1.01 ¹	1.87 ²	3.62 ²			1.22 ¹	2.24 ²	4.33 ³			1.22 ¹	2.24 ²	4.33 ³
	24				0.36 ¹	1.63 ¹			0.06 ¹	0.74 ¹	2.29 ¹			0.18 ¹	0.99 ¹	2.68 ¹			0.28 ¹	1.25 ¹	3.29 ²			0.28 ¹	1.25 ¹	3.29 ²

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

30 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	400S162						400S200						400S250						400S300						
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97
8	12	2.03	3.23	5.77	8.00		12.3	2.50	4.14	7.34		10.0	15.0	2.79	4.69		8.04	11.4	17.4	2.97		4.83	8.26	12.0	18.9	
	16	1.67	2.85	5.41	7.62	11.9	2.11	3.73	6.93	9.59	14.7	2.40	4.26	7.62	11.0	16.9	2.57	4.41	7.86	11.5	18.5	2.57	4.41	7.86	11.5	18.5
	24	0.98 ⁴	2.14	4.71	6.89	11.3	1.37	2.95	6.15	8.79	13.9	1.64	3.44	6.82	10.1	16.1	1.81	3.59	7.07	10.7	17.6	1.81	3.59	7.07	10.7	17.6
	12	1.66	2.80	5.19	7.28	11.3	2.10	3.64	6.61	9.11	13.8	2.38	4.19	7.42	10.6	16.0	2.55	4.34	7.59	11.2	17.6	2.55	4.34	7.59	11.2	17.6
9	16	1.23 ⁴	2.35	4.75	6.82	10.9	1.63	3.15	6.12	8.61	13.4	1.90	3.66	6.90	10.0	15.4	2.07	3.82	7.09	10.6	17.1	2.07	3.82	7.09	10.6	17.1
	24	0.44 ³	1.52 ³	3.93	5.94	10.0	0.77 ³	2.23 ⁴	5.19	7.65	12.5	1.02 ³	2.68	5.92	8.97	14.4	1.17 ⁴	2.83	6.14	9.57	16.0	1.17 ⁴	2.83	6.14	9.57	16.0
	12	1.28 ⁴	2.35	4.56	6.50	10.2	1.67	3.11	5.82	8.15	12.5	1.94	3.64	6.67	9.56	14.5	2.11	3.81	6.86	10.3	16.2	2.11	3.81	6.86	10.3	16.2
	16	0.80 ³	1.84 ⁴	4.06	5.96	9.72	1.15 ³	2.55	5.26	7.56	12.0	1.40 ⁴	3.04	6.07	8.91	13.9	1.56 ⁴	3.20	6.27	9.61	15.6	1.56 ⁴	3.20	6.27	9.61	15.6
10	24		0.91 ³	3.14 ³	4.97 ⁴	8.75	0.20 ³	1.53 ³	4.23 ⁴	6.48	11.0	0.41 ³	1.92 ³	4.95 ⁴	7.70	12.7	0.55 ³	2.07 ⁴	5.18	8.38	14.3	0.55 ³	2.07 ⁴	5.18	8.38	14.3
	12	0.57 ³	1.47 ³	3.29 ⁴	4.84	7.94	0.87 ³	2.07 ³	4.26	6.15	9.81	1.09 ³	2.53 ⁴	5.09	7.29	11.4	1.24 ³	2.70	5.32	8.06	13.1	1.24 ³	2.70	5.32	8.06	13.1
	16	0.03 ²	0.88 ³	2.72 ³	4.22 ³	7.32	0.27 ²	1.42 ³	3.62 ³	5.47 ⁴	9.15	0.46 ³	1.80 ³	4.36 ⁴	6.52	10.6	0.59 ³	1.96 ³	4.60 ⁴	7.26	12.3	0.59 ³	1.96 ³	4.60 ⁴	7.26	12.3
	24			1.70 ²	3.12 ³	6.21 ³		0.28 ²	2.48 ³	4.26 ³	7.95 ⁴		0.53 ²	3.08 ³	5.16 ³	9.22 ⁴		0.64 ³	3.31 ³	5.82 ³	10.8		0.64 ³	3.31 ³	5.82 ³	10.8
14	12		0.71 ²	2.18 ³	3.35 ³	5.81 ⁴	0.19 ²	1.16 ³	2.90 ³	4.34 ³	7.28	0.35 ²	1.49 ³	3.51 ³	5.21 ⁴	8.51	0.47 ²	1.67 ³	3.92 ³	5.98	9.91	0.47 ²	1.67 ³	3.92 ³	5.98	9.91
	16		0.10 ¹	1.60 ²	2.73 ²	5.18 ³		0.49 ²	2.25 ²	3.66 ³	6.60 ³		0.73 ²	2.77 ³	4.43 ³	7.71 ⁴		0.86 ²	3.13 ³	5.13 ³	9.04		0.86 ²	3.13 ³	5.13 ³	9.04
	24			0.60 ¹	1.66 ¹	4.08 ²			1.14 ¹	2.47 ²	5.40 ³			1.50 ²	3.09 ²	6.30 ³			1.76 ²	3.65 ³	7.50 ³			1.76 ²	3.65 ³	7.50 ³
	12		0.12 ¹	1.35 ²	2.24 ²	4.19 ³		0.45 ²	1.87 ²	2.98 ³	5.34 ³		0.66 ²	2.30 ²	3.62 ³	6.25 ⁴		0.80 ²	2.68 ³	4.25 ³	7.36 ⁴			2.68 ³	4.25 ³	7.36 ⁴
16	16			0.79 ¹	1.65 ²	3.59 ²			1.26 ¹	2.33 ²	4.68 ³			1.60 ²	2.88 ²	5.48 ³			1.90 ²	3.42 ³	6.51 ³			1.90 ²	3.42 ³	6.51 ³
	24				0.65 ¹	2.55 ¹			0.20 ¹	1.22 ¹	3.54 ²			0.40 ¹	1.62 ¹	4.13 ²			0.55 ¹	2.00 ²	5.02 ²			0.55 ¹	2.00 ²	5.02 ²
	12			0.73 ¹	1.44 ¹	3.01 ²			1.12 ¹	2.00 ²	3.91 ³		0.06 ¹	1.42 ²	2.47 ²	4.60 ³		0.12 ¹	1.70 ²	2.93 ²	5.46 ³			1.70 ²	2.93 ²	5.46 ³
	16			0.22 ¹	0.89 ¹	2.45 ¹			0.55 ¹	1.40 ¹	3.29 ²			0.76 ¹	1.78 ¹	3.86 ²			0.95 ¹	2.16 ²	4.65 ³			0.95 ¹	2.16 ²	4.65 ³
18	24					1.48 ¹				0.37 ¹	2.23 ¹				0.60 ¹	2.60 ¹				0.83 ¹	3.26 ²				0.83 ¹	3.26 ²
	12			0.30 ¹	0.87 ¹	2.15 ¹			0.59 ¹	1.30 ¹	2.87 ²			0.79 ¹	1.64 ¹	3.37 ²			0.97 ¹	1.97 ²	4.05 ²			0.97 ¹	1.97 ²	4.05 ²
	16				0.36 ¹	1.63 ¹			0.06 ¹	0.74 ¹	2.29 ¹			0.18 ¹	0.99 ¹	2.68 ¹			0.28 ¹	1.25 ¹	3.29 ²			0.28 ¹	1.25 ¹	3.29 ²
	24					0.74 ¹					1.30 ¹					1.51 ¹				0.02 ¹	1.99 ¹				0.02 ¹	1.99 ¹

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

40 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	400S162						400S200						400S250						400S300					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68
8	12	1.67	2.85	5.41	7.62	11.9	2.11	3.73	6.93	9.59	14.7	2.40	4.26	7.62	11.0	16.9	2.57	4.41	7.86	11.5	18.5				
	16	1.20	2.37	4.94	7.13	11.5	1.61	3.20	6.41	9.05	14.2	1.89	3.71	7.08	10.4	16.4	2.06	3.86	7.33	11.0	17.9				
	24	0.34 ³	1.47 ⁴	4.05	6.19	10.6	0.68 ³	2.22	5.42	8.03	13.2	0.93 ⁴	2.66	6.06	9.31	15.3	1.08 ⁴	2.80	6.32	9.87	16.8				
9	12	1.23 ⁴	2.35	4.75	6.82	10.9	1.63	3.15	6.12	8.61	13.4	1.90	3.66	6.90	10.0	15.4	2.07	3.82	7.09	10.6	17.1				
	16	0.70 ³	1.79 ⁴	4.19	6.23	10.3	1.05 ⁴	2.53	5.49	7.96	12.8	1.30 ⁴	3.00	6.24	9.31	14.7	1.46	3.15	6.45	9.91	16.4				
	24		0.75 ³	3.16 ³	5.13 ⁴	9.24	1.39 ³	4.34 ⁴	6.75	11.6	1.77 ⁴	5.01	7.98	13.4	0.34 ³	1.91 ⁴	5.24	8.58	15.0						
10	12	0.80 ³	1.84 ⁴	4.06	5.96	9.72	1.15 ³	2.55	5.26	7.56	12.0	1.40 ⁴	3.04	6.07	8.91	13.9	1.56 ⁴	3.20	6.27	9.61	15.6				
	16	0.21 ³	1.21 ³	3.43 ⁴	5.29	9.06	0.50 ³	1.85 ³	4.56 ⁴	6.83	11.3	0.73 ³	2.28 ⁴	5.31	8.09	13.0	0.87 ³	2.43	5.53	8.78	14.7				
	24		0.07 ²	2.30 ³	4.07 ³	7.85 ⁴	0.60 ³	3.29 ³	5.48 ³	9.98	0.91 ³	3.93 ³	6.59 ⁴	11.5	1.04 ³	4.16 ³	7.24	13.2							
12	12	0.03 ²	0.88 ³	2.72 ³	4.22 ³	7.32	0.27 ²	1.42 ³	3.62 ³	5.47 ⁴	9.15	0.46 ³	1.80 ³	4.36 ⁴	6.52	10.6	0.59 ³	1.96 ³	4.60 ⁴	7.26	12.3				
	16		0.17 ²	2.02 ²	3.47 ³	6.56 ³		0.64 ²	2.84 ³	4.64 ³	8.33 ⁴		0.93 ³	3.49 ³	5.59 ³	9.67		1.06 ³	3.72 ³	6.28 ⁴	11.3				
	24			0.81 ¹	2.16 ²	5.22 ³			1.49 ²	3.19 ²	6.87 ³			1.95 ²	3.96 ³	7.97 ³			2.16 ²	4.54 ³	9.42 ⁴				
14	12		0.10 ¹	1.60 ²	2.73 ²	5.18 ³		0.49 ²	2.25 ²	3.66 ³	6.60 ³		0.73 ²	2.77 ³	4.43 ³	7.71 ⁴		0.86 ²	3.13 ³	5.13 ³	9.04				
	16			0.92 ¹	2.00 ²	4.43 ³			1.49 ²	2.85 ³	5.78 ³			1.90 ²	3.51 ³	6.74 ³			2.19 ²	4.12 ³	7.99 ³				
	24				0.73 ¹	3.12 ²			0.17 ¹	1.45 ¹	4.35 ²			0.41 ¹	1.93 ²	5.06 ²			0.57 ¹	2.36 ²	6.14 ³				
16	12			0.79 ¹	1.65 ²	3.59 ²			1.26 ¹	2.33 ²	4.68 ³			1.60 ²	2.88 ²	5.48 ³			1.90 ²	3.42 ²	6.51 ³				
	16			0.14 ¹	0.96 ¹	2.88 ²			0.53 ¹	1.57 ¹	3.90 ²			0.77 ¹	2.01 ²	4.56 ²			0.98 ¹	2.45 ²	5.49 ³				
	24					1.66 ¹				0.27 ¹	2.55 ¹				0.53 ¹	2.97 ¹			0.78 ¹	3.74 ²					
18	12			0.22 ¹	0.89 ¹	2.45 ¹			0.55 ¹	1.40 ¹	3.29 ²			0.76 ¹	1.78 ¹	3.86 ²			0.95 ¹	2.16 ²	4.65 ³				
	16				0.25 ¹	1.79 ¹				0.69 ¹	2.56 ¹				0.97 ¹	3.00 ¹			0.09 ¹	1.25 ¹	3.69 ²				
	24					0.66 ¹					1.32 ¹					1.52 ¹					2.06 ¹				
20	12				0.36 ¹	1.63 ¹			0.06 ¹	0.74 ¹	2.29 ¹			0.18 ¹	0.99 ¹	2.68 ¹			0.28 ¹	1.25 ¹	3.29 ²				
	16					1.02 ¹				0.08 ¹	1.61 ¹				0.24 ¹	1.88 ¹				0.40 ¹	2.39 ¹				
	24										0.45 ¹					0.51 ¹					0.87 ¹				

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

50 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	400S162						400S200						400S250						400S300							
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi			
		33	43	54	68		97	33	43	54		68	97	33	43		54	68	97	33		43	54	68	97	33	43
8	12	1.32	2.49	5.05	7.25	11.6	1.73	3.33	6.54	9.18	14.3	2.01	3.84	7.22	10.6	16.5	2.18	3.99	7.46	11.1	18.1	2.18	3.99	7.46	11.1	18.1	
	16	0.76 ³	1.91	4.49	6.65	11.0	1.13 ⁴	2.70	5.90	8.53	13.7	1.40	3.17	6.56	9.85	15.8	1.56	3.32	6.82	10.4	17.4	1.56	3.32	6.82	10.4	17.4	
	24		0.83 ³	3.43 ⁴	5.53	9.94	0.02 ³	1.52 ⁴	4.71	7.30	12.5	0.25 ³	1.91 ⁴	5.32	8.51	14.5	0.40 ³	2.05	5.59	9.08	16.0	0.40 ³	2.05	5.59	9.08	16.0	
9	12	0.83 ³	1.93 ⁴	4.33	6.37	10.5	1.19 ⁴	2.68	5.64	8.12	12.9	1.45 ⁴	3.16	6.40	9.48	14.9	1.61	3.32	6.61	10.1	16.5	1.61	3.32	6.61	10.1	16.5	
	16	0.20 ³	1.25 ³	3.67 ⁴	5.67	9.77	0.50 ³	1.94 ⁴	4.90	7.34	12.2	0.74 ³	2.37	5.61	8.63	14.1	0.89 ³	2.52	5.84	9.23	15.7	0.89 ³	2.52	5.84	9.23	15.7	
	24		0.03 ²	2.45 ³	4.36 ³	8.49		0.60 ³	3.54 ³	5.91 ⁴	10.8		0.92 ³	4.16 ³	7.05	12.5		1.04 ³	4.39 ⁴	7.64	14.0		1.04 ³	4.39 ⁴	7.64	14.0	
10	12	0.35 ³	1.36 ³	3.59 ⁴	5.45	9.22	0.66 ³	2.02 ⁴	4.73	7.00	11.5	0.89 ³	2.46 ⁴	5.49	8.29	13.2	1.04 ³	2.62	5.71	8.98	14.9	1.04 ³	2.62	5.71	8.98	14.9	
	16		0.62 ³	2.85 ³	4.66 ³	8.44		1.21 ³	3.91 ³	6.14 ⁴	10.6	0.10 ³	1.57 ³	4.60 ⁴	7.32	12.3	0.23 ³	1.72 ³	4.83 ⁴	7.99	13.9	0.23 ³	1.72 ³	4.83 ⁴	7.99	13.9	
	24			1.53 ²	3.23 ³	7.01 ³			2.43 ³	4.57 ³	9.08 ⁴			2.98 ³	5.56 ³	10.5		0.08 ³	3.21 ³	6.18 ³	12.1		0.08 ³	3.21 ³	6.18 ³	12.1	
12	12		0.34 ²	2.19 ³	3.65 ³	6.75 ⁴		0.83 ²	3.03 ³	4.84 ³	8.53		1.14 ³	3.70 ³	5.82 ⁴	9.90		1.27 ³	3.93 ³	6.51 ⁴	11.5		1.27 ³	3.93 ³	6.51 ⁴	11.5	
	16			1.39 ²	2.79 ²	5.87 ³			2.14 ²	3.89 ³	7.58 ³		0.14 ²	2.69 ³	4.75 ³	8.79 ⁴		0.23 ²	2.91 ³	5.37 ³	10.3		0.23 ²	2.91 ³	5.37 ³	10.3	
	24			0.01 ¹	1.29 ¹	4.33 ²			0.59 ¹	2.23 ²	5.89 ³			0.93 ²	2.87 ²	6.83 ³			1.11 ²	3.37 ²	8.18 ³			1.11 ²	3.37 ²	8.18 ³	
14	12			1.08 ¹	2.17 ²	4.61 ³			1.67 ²	3.04 ²	5.98 ³		0.05 ²	2.11 ²	3.73 ³	6.97 ³		0.13 ²	2.42 ²	4.36 ³	8.24 ⁴			0.13 ²	2.42 ²	4.36 ³	8.24 ⁴
	16			0.30 ¹	1.34 ¹	3.75 ²			0.80 ¹	2.12 ²	5.03 ²			1.12 ¹	2.69 ²	5.87 ³			1.35 ²	3.20 ²	7.03 ³			1.35 ²	3.20 ²	7.03 ³	
	24					2.26 ¹			0.53 ¹	3.40 ¹					0.88 ¹	3.95 ²				1.21 ¹	4.91 ²			1.21 ¹	4.91 ²	4.91 ²	
16	12			0.29 ¹	1.13 ¹	3.05 ²			0.70 ¹	1.75 ¹	4.08 ²			0.97 ¹	2.22 ²	4.78 ³			1.20 ¹	2.68 ²	5.73 ³			1.20 ¹	2.68 ²	5.73 ³	
	16				0.35 ¹	2.24 ¹				0.89 ¹	3.20 ¹			0.04 ¹	1.24 ¹	3.73 ²			0.15 ¹	4.58 ²	4.58 ²			0.15 ¹	4.58 ²	4.58 ²	
	24					0.86 ¹					1.67 ¹					1.93 ¹				2.59 ¹	2.59 ¹				2.59 ¹	2.59 ¹	
18	12				0.40 ¹	1.94 ¹			0.04 ¹	0.86 ¹	2.74 ¹			0.18 ¹	1.16 ¹	3.20 ²			0.29 ¹	1.46 ¹	3.92 ²			0.29 ¹	1.46 ¹	3.92 ²	
	16					1.20 ¹				0.06 ¹	1.91 ¹				0.25 ¹	2.23 ¹				0.44 ¹	2.84 ¹				0.44 ¹	2.84 ¹	
	24										0.50 ¹					0.56 ¹					0.99 ¹				0.99 ¹	0.99 ¹	
20	12					1.16 ¹				0.24 ¹	1.77 ¹				0.42 ¹	2.07 ¹				0.60 ¹	2.61 ¹				0.60 ¹	2.61 ¹	
	16					0.47 ¹					1.00 ¹					1.16 ¹					1.60 ¹					1.60 ¹	
	24																										

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

60 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	400S162						400S200						400S250						400S300						
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97
		33	43	54	68		97	33	43	54		68	97	33	43		54	68	97	33		43	54	68	97	
8	12	0.98 ⁴	2.14	4.71	6.89	11.3	1.37	2.95	6.15	8.79	13.9	1.64	3.44	6.82	10.1	16.1	1.81	3.59	7.07	10.7	17.6					
	16	0.34 ³	1.47 ⁴	4.05	6.19	10.6	0.68 ³	2.22	5.42	8.03	13.2	0.93 ⁴	2.66	6.06	9.31	15.3	1.08 ⁴	2.80	6.32	9.87	16.8					
	24	0.23 ³	2.83 ³	4.89 ⁴	9.32		0.85 ³	4.04 ⁴	6.60	11.9		1.20 ³	4.62 ⁴	7.75	13.7		1.33 ⁴	4.89	8.31	15.2						
9	12	0.44 ³	1.52 ³	3.93	5.94	10.0	0.77 ³	2.23 ⁴	5.19	7.65	12.5	1.02 ³	2.68	5.92	8.97	14.4	1.17 ⁴	2.83	6.14	9.57	16.0					
	16		0.75 ³	3.16 ³	5.13 ⁴	9.24		1.39 ³	4.34 ⁴	6.75	11.6	0.20 ³	1.77 ⁴	5.01	7.98	13.4	0.34 ³	1.91 ⁴	5.24	8.58	15.0					
	24			1.78 ³	3.64 ³	7.77 ⁴			2.78 ³	5.12 ³	10.0		0.12 ³	3.34 ³	6.17 ⁴	11.6		0.22 ³	3.58 ³	6.74 ⁴	13.1					
10	12		0.91 ³	3.14 ³	4.97 ⁴	8.75	0.20 ³	1.53 ³	4.23 ⁴	6.48	11.0	0.41 ³	1.92 ³	4.95 ⁴	7.70	12.7	0.55 ³	2.07 ⁴	5.18	8.38	14.3					
	16		0.07 ²	2.30 ³	4.07 ³	7.85 ⁴		0.60 ³	3.29 ³	5.48 ³	9.98		0.91 ³	3.93 ³	6.59 ⁴	11.5		1.04 ³	4.16 ³	7.24	13.2					
	24			0.82 ²	2.46 ²	6.22 ³			1.63 ²	3.71 ³	8.23 ³			2.10 ²	4.60 ³	9.50 ⁴			2.32 ³	5.18 ³	11.0 ⁴					
12	12			1.70 ²	3.12 ³	6.21 ³		0.28 ²	2.48 ³	4.26 ³	7.95 ⁴		0.53 ²	3.08 ³	5.16 ³	9.22 ⁴		0.64 ³	3.31 ³	5.82 ³	10.8					
	16			0.81 ¹	2.16 ²	5.22 ³			1.49 ²	3.19 ²	6.87 ³			1.95 ²	3.96 ³	7.97 ³			2.16 ²	4.54 ³	9.42 ⁴					
	24				0.49 ¹	3.49 ²				1.34 ¹	4.99 ²				1.87 ²	5.77 ²			0.15 ¹	2.30 ²	7.02 ³					
14	12			0.60 ¹	1.66 ¹	4.08 ²			1.14 ¹	2.47 ²	5.40 ³			1.50 ²	3.09 ²	6.30 ³			1.76 ²	3.65 ³	7.50 ³					
	16				0.73 ¹	3.12 ²			0.17 ¹	1.45 ¹	4.35 ²			0.41 ¹	1.93 ²	5.06 ²			0.57 ¹	2.36 ²	6.14 ³					
	24					1.48 ¹				2.53 ¹					2.93 ¹	2.93 ¹			0.16 ¹	3.79 ²						
16	12				0.65 ¹	2.55 ¹			0.20 ¹	1.22 ¹	3.54 ²			0.40 ¹	1.62 ¹	4.13 ²			0.55 ¹	2.00 ²	5.02 ²					
	16					1.66 ¹				0.27 ¹	2.55 ¹				0.53 ¹	2.97 ¹			0.78 ¹	3.74 ²						
	24					0.13 ¹					0.87 ¹					0.99 ¹					1.54 ¹					
18	12					1.48 ¹				0.37 ¹	2.23 ¹				0.60 ¹	2.60 ¹			0.83 ¹	3.26 ²						
	16					0.66 ¹					1.32 ¹					1.52 ¹					2.06 ¹					
	24																				0.02 ¹					
20	12					0.74 ¹					1.30 ¹					1.51 ¹			0.02 ¹	1.99 ¹						
	16										0.45 ¹					0.51 ¹					0.87 ¹					
	24																									

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

70 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	400S162						400S200						400S250						400S300					
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi	
		33	54	68	84		33	54	68	84		33	54	68	84		33	54	68	84		33	54	68	84
8	12	0.66 ³	1.80	3.63 ⁴	5.75	10.2	1.02 ⁴	2.58	5.78	8.41	13.6	1.28	3.04	6.43	9.71	15.7	1.44	3.19	6.69	10.3	17.2	1.44	3.19	6.69	10.3
	16		1.04 ³	3.63 ⁴	5.75	10.2	0.24 ³	1.75 ⁴	4.94	7.54	12.8	0.47 ³	2.16	5.56	8.78	14.7	0.62 ³	2.30	5.83	9.34	16.3	0.62 ³	2.30	5.83	9.34
	24		2.25 ³	4.27 ³	8.72	8.72		0.22 ³	3.39 ³	5.92 ⁴	11.2		0.52 ³	3.94 ³	7.01	13.0		0.64 ³	4.21 ⁴	7.57	14.5		0.64 ³	4.21 ⁴	7.57
9	12	0.08 ³	1.13 ³	3.54 ⁴	5.53	9.64	0.37 ³	1.80 ⁴	4.76	7.19	12.1	0.60 ³	2.22 ⁴	5.46	8.47	13.9	0.75 ³	2.37	5.69	9.07	15.5	0.75 ³	2.37	5.69	9.07
	16		0.27 ³	2.68 ³	4.61 ³	8.74		0.86 ³	3.80 ³	6.19 ⁴	11.1		1.20 ³	4.44 ⁴	7.36	12.8		1.33 ³	4.67 ⁴	7.95	14.4		1.33 ³	4.67 ⁴	7.95
	24		1.14 ²	2.95 ³	7.08 ³	7.08 ³			2.06 ³	4.35 ³	9.30 ⁴			2.57 ³	5.33 ³	10.7			2.80 ³	5.88 ³	12.2			2.80 ³	5.88 ³
10	12		0.48 ³	2.71 ³	4.51 ³	8.29		1.05 ³	3.75 ³	5.97 ⁴	10.5		1.41 ³	4.43 ⁴	7.14	12.1		1.54 ³	4.66 ⁴	7.80	13.7		1.54 ³	4.66 ⁴	7.80
	16			1.78 ²	3.51 ³	7.29 ³		0.03 ²	2.71 ³	4.86 ³	9.38 ⁴		0.28 ³	3.29 ³	5.90 ³	10.8		0.39 ³	3.52 ³	6.53 ⁴	12.4		0.39 ³	3.52 ³	6.53 ⁴
	24			0.14 ¹	1.72 ²	5.47 ³			0.87 ²	2.90 ²	7.41 ³			1.27 ²	3.69 ³	8.55 ³			1.48 ²	4.23 ³	10.0 ⁴			1.48 ²	4.23 ³
12	12			1.24 ²	2.63 ²	5.70 ³			1.97 ²	3.71 ³	7.40 ³			2.50 ²	4.54 ³	8.58 ⁴		0.04 ²	2.72 ³	5.16 ³	10.1 ⁴			2.72 ³	5.16 ³
	16			0.27 ¹	1.57 ²	4.62 ²			0.88 ¹	2.54 ²	6.21 ³			1.26 ²	3.22 ²	7.20 ³			1.45 ²	3.75 ³	8.58 ³			1.45 ²	3.75 ³
	24					2.72 ¹				0.52 ¹	4.14 ²				0.93 ¹	4.77 ²				1.29 ²	5.94 ²				1.29 ²
14	12			0.16 ¹	1.18 ¹	3.59 ²			0.64 ¹	1.94 ²	4.86 ²			0.94 ¹	2.49 ²	5.66 ³			1.15 ¹	2.99 ²	6.80 ³			1.15 ¹	2.99 ²
	16				0.17 ¹	2.54 ¹			0.83 ¹	3.71 ²	3.71 ²				1.22 ¹	4.31 ²				1.58 ¹	5.31 ²				1.58 ¹
	24					0.74 ¹					1.73 ¹					1.98 ¹					2.75 ¹				2.75 ¹
16	12				0.20 ¹	2.09 ¹				0.73 ¹	3.03 ¹				1.06 ¹	3.53 ²				1.37 ¹	4.36 ²				1.37 ¹
	16					1.12 ¹					1.96 ¹					2.27 ¹				0.05 ¹	2.96 ¹				0.05 ¹
	24										0.13 ¹					0.11 ¹					0.57 ¹				0.57 ¹
18	12					1.06 ¹					1.76 ¹				0.08 ¹	2.05 ¹				0.25 ¹	2.64 ¹				0.25 ¹
	16					0.16 ¹					0.77 ¹					0.87 ¹					1.33 ¹				1.33 ¹
	24																								
20	12					0.34 ¹					0.86 ¹					0.99 ¹					1.41 ¹				1.41 ¹
	16																				0.20 ¹				0.20 ¹
	24																								

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

0 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	600S162						600S200						600S250						600S300					
		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi	
		33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50	33	50
8	12	3.68	5.07	8.24	10.9	16.6	16.6	4.28	6.42	11.0	14.6	22.7	22.7	4.63	6.92	11.2	16.1	26.5	26.5	4.82	7.06	11.6	16.3	28.3	28.3
	16	3.68	5.07	8.24	10.9	16.6	16.6	4.28	6.42	11.0	14.6	22.7	22.7	4.63	6.92	11.2	16.1	26.5	26.5	4.82	7.06	11.6	16.3	28.3	28.3
	24	3.68	5.07	8.24	10.9	16.6	16.6	4.28	6.42	11.0	14.6	22.7	22.7	4.63	6.92	11.2	16.1	26.5	26.5	4.82	7.06	11.6	16.3	28.3	28.3
9	12	3.68	5.07	8.24	10.9	16.6	16.6	4.25	6.36	10.8	14.4	22.4	22.4	4.59	6.87	11.1	15.9	26.1	26.1	4.78	7.00	11.5	16.1	27.8	27.8
	16	3.68	5.07	8.24	10.9	16.6	16.6	4.25	6.36	10.8	14.4	22.4	22.4	4.59	6.87	11.1	15.9	26.1	26.1	4.78	7.00	11.5	16.1	27.8	27.8
	24	3.68	5.07	8.24	10.9	16.6	16.6	4.25	6.36	10.8	14.4	22.4	22.4	4.59	6.87	11.1	15.9	26.1	26.1	4.78	7.00	11.5	16.1	27.8	27.8
10	12	3.68	5.07	8.24	10.9	16.6	16.6	4.21	6.29	10.6	14.1	22.0	22.0	4.55	6.81	10.9	15.6	25.5	25.5	4.73	6.93	11.3	15.9	27.3	27.3
	16	3.68	5.07	8.24	10.9	16.6	16.6	4.21	6.29	10.6	14.1	22.0	22.0	4.55	6.81	10.9	15.6	25.5	25.5	4.73	6.93	11.3	15.9	27.3	27.3
	24	3.68	5.07	8.24	10.9	16.6	16.6	4.21	6.29	10.6	14.1	22.0	22.0	4.55	6.81	10.9	15.6	25.5	25.5	4.73	6.93	11.3	15.9	27.3	27.3
12	12	3.60	4.98	8.14	10.9	16.6	16.6	4.12	6.10	10.1	13.5	21.0	21.0	4.43	6.64	10.5	15.0	24.2	24.2	4.61	6.76	10.9	15.3	25.9	25.9
	16	3.60	4.98	8.14	10.9	16.6	16.6	4.12	6.10	10.1	13.5	21.0	21.0	4.43	6.64	10.5	15.0	24.2	24.2	4.61	6.76	10.9	15.3	25.9	25.9
	24	3.59	4.98	8.14	10.9	16.6	16.6	4.12	6.10	10.1	13.5	21.0	21.0	4.43	6.64	10.5	15.0	24.2	24.2	4.61	6.76	10.9	15.3	25.9	25.9
14	12	3.47	4.82	7.72	10.4	16.5	16.5	3.98	5.84	9.48	12.6	19.6	19.6	4.29	6.42	10.0	14.1	22.5	22.5	4.46	6.55	10.4	14.6	24.2	24.2
	16	3.47	4.82	7.72	10.4	16.5	16.5	3.98	5.84	9.48	12.6	19.6	19.6	4.28	6.42	10.0	14.1	22.5	22.5	4.46	6.55	10.4	14.6	24.2	24.2
	24	3.47	4.82	7.72	10.4	16.5	16.5	3.98	5.84	9.48	12.6	19.6	19.6	4.28	6.42	10.0	14.1	22.5	22.5	4.46	6.55	10.4	14.6	24.2	24.2
16	12	3.30	4.59	7.16	9.62	15.2	15.2	3.81	5.52	8.70	11.6	17.9	17.9	4.11	6.16	9.55	13.2	20.6	20.6	4.28	6.30	9.75	13.8	22.5	22.5
	16	3.30	4.58	7.16	9.62	15.2	15.2	3.81	5.52	8.70	11.6	17.9	17.9	4.11	6.16	9.55	13.2	20.6	20.6	4.28	6.30	9.75	13.8	22.5	22.5
	24	3.30	4.58	7.16	9.62	15.2	15.2	3.81	5.52	8.70	11.6	17.9	17.9	4.11	6.16	9.55	13.2	20.6	20.6	4.28	6.30	9.75	13.8	22.5	22.5
18	12	3.10	4.30	6.50	8.71	13.7	13.7	3.60	5.15	7.85	10.4	16.1	16.1	3.90	5.87	8.92	12.1	18.5	18.5	4.08	6.02	9.07	13.0	20.7	20.7
	16	3.10	4.30	6.50	8.71	13.7	13.7	3.60	5.15	7.85	10.4	16.1	16.1	3.90	5.87	8.92	12.1	18.5	18.5	4.08	6.02	9.07	13.0	20.7	20.7
	24	3.10	4.30	6.49	8.71	13.7	13.7	3.60	5.15	7.84	10.4	16.1	16.1	3.90	5.86	8.92	12.1	18.5	18.5	4.07	6.02	9.07	13.0	20.7	20.7
20	12	2.86	3.98	5.78	7.74	12.1	12.1	3.37	4.76	6.96	9.24	14.2	14.2	3.67	5.52	8.17	10.8	16.4	16.4	3.85	5.71	8.35	11.7	18.6	18.6
	16	2.86	3.98	5.78	7.74	12.1	12.1	3.37	4.76	6.96	9.24	14.2	14.2	3.66	5.52	8.17	10.8	16.4	16.4	3.85	5.71	8.35	11.7	18.6	18.6
	24	2.86	3.98	5.77	7.74	12.1	12.1	3.37	4.76	6.96	9.24	14.2	14.2	3.66	5.52	8.17	10.8	16.4	16.4	3.85	5.71	8.35	11.7	18.6	18.6

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

10 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	600S162						600S200						600S250						600S300						
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97
		33	43	54	68		33	43	54	68		33	43	54	68		33	43	54	68		33	43	54	68	
8	12	3.40	4.80	7.98	10.6	16.3	4.00	6.12	10.7	14.3	22.4	4.34	6.62	10.9	15.8	26.2	4.53	6.76	11.3	16.0	28.0	4.43	6.66	11.2	15.9	27.9
	16	3.31	4.71	7.90	10.5	16.2	3.90	6.02	10.6	14.2	22.3	4.24	6.51	10.8	15.7	26.1	4.43	6.66	11.2	15.9	27.9	4.43	6.66	11.2	15.9	27.9
	24	3.13	4.53	7.73	10.4	16.0	3.72	5.82	10.4	14.0	22.1	4.05	6.31	10.6	15.5	25.8	4.24	6.46	11.1	15.7	27.6	4.24	6.46	11.1	15.7	27.6
9	12	3.32	4.72	7.90	10.5	16.2	3.89	5.97	10.4	14.0	22.0	4.22	6.48	10.7	15.5	25.6	4.40	6.61	11.1	15.7	27.4	4.40	6.61	11.1	15.7	27.4
	16	3.20	4.60	7.79	10.4	16.1	3.77	5.85	10.3	13.8	21.9	4.10	6.35	10.6	15.4	25.5	4.28	6.49	11.0	15.6	27.2	4.28	6.49	11.0	15.6	27.2
	24	2.97	4.37	7.57	10.2	15.9	3.53	5.59	10.0	13.6	21.6	3.85	6.09	10.3	15.1	25.2	4.04	6.23	10.7	15.3	26.9	4.04	6.23	10.7	15.3	26.9
10	12	3.22	4.62	7.81	10.5	16.1	3.76	5.80	10.1	13.6	21.5	4.08	6.31	10.4	15.1	25.0	4.26	6.45	10.9	15.4	26.7	4.26	6.45	10.9	15.4	26.7
	16	3.08	4.48	7.67	10.3	16.0	3.61	5.64	9.96	13.5	21.3	3.93	6.15	10.3	14.9	24.8	4.11	6.29	10.7	15.2	26.5	4.11	6.29	10.7	15.2	26.5
	24	2.79	4.19	7.39	10.0	15.7	3.32	5.33	9.64	13.1	21.0	3.63	5.83	9.97	14.6	24.4	3.81	5.98	10.4	14.9	26.1	3.81	5.98	10.4	14.9	26.1
12	12	2.93	4.32	7.47	10.2	15.9	3.45	5.38	9.40	12.7	20.2	3.76	5.91	9.79	14.2	23.3	3.93	6.06	10.2	14.5	25.0	3.93	6.06	10.2	14.5	25.0
	16	2.72	4.11	7.26	9.98	15.6	3.24	5.15	9.16	12.5	19.9	3.54	5.67	9.56	13.9	23.0	3.71	5.83	9.97	14.3	24.7	3.71	5.83	9.97	14.3	24.7
	24	2.32	3.70	6.84	9.55	15.2	2.83	4.70	8.69	12.0	19.4	3.11	5.21	9.11	13.4	22.5	3.29	5.37	9.52	13.8	24.2	3.29	5.37	9.52	13.8	24.2
14	12	2.57	3.91	6.80	9.41	15.4	3.07	4.86	8.46	11.5	18.4	3.36	5.41	9.01	13.0	21.3	3.54	5.57	9.40	13.5	23.0	3.54	5.57	9.40	13.5	23.0
	16	2.30	3.62	6.51	9.11	15.0	2.80	4.55	8.14	11.2	18.1	3.07	5.09	8.70	12.7	20.9	3.25	5.26	9.09	13.2	22.6	3.25	5.26	9.09	13.2	22.6
	24	1.78	3.09	5.96	8.53	14.3	2.27	3.97	7.53	10.6	17.3	2.53	4.48	8.10	12.0	20.1	2.69	4.67	8.50	12.6	21.8	2.69	4.67	8.50	12.6	21.8
16	12	2.16	3.41	5.97	8.35	13.7	2.65	4.25	7.40	10.2	16.4	2.92	4.83	8.21	11.7	18.9	3.09	5.02	8.48	12.4	20.8	3.09	5.02	8.48	12.4	20.8
	16	1.83	3.06	5.62	7.97	13.3	2.31	3.88	7.01	9.77	15.9	2.56	4.43	7.81	11.3	18.4	2.74	4.63	8.09	12.0	20.3	2.74	4.63	8.09	12.0	20.3
	24	1.23 ⁴	2.42	4.97	7.27	12.4	1.68	3.18	6.28	9.00	15.0	1.91	3.69	7.05	10.5	17.5	2.06	3.89	7.36	11.1	19.3	2.06	3.89	7.36	11.1	19.3
18	12	1.74	2.88	5.08	7.18	11.8	2.19	3.62	6.29	8.75	14.2	2.45	4.20	7.24	10.3	16.5	2.62	4.41	7.50	11.1	18.5	2.62	4.41	7.50	11.1	18.5
	16	1.37 ⁴	2.48	4.68	6.75	11.3	1.80	3.19	5.85	8.29	13.6	2.04	3.74	6.76	9.74	15.9	2.20	3.95	7.04	10.6	17.9	2.20	3.95	7.04	10.6	17.9
	24	0.71 ³	1.77 ³	3.97 ⁴	5.96	10.4	1.11 ³	2.42 ⁴	5.06	7.43	12.6	1.31 ³	2.89	5.90	8.78	14.8	1.45 ⁴	3.10	6.19	9.61	16.7	1.45 ⁴	3.10	6.19	9.61	16.7
20	12	1.33 ⁴	2.35	4.20	6.02	9.99	1.75	3.00	5.23	7.36	12.0	1.98	3.56	6.20	8.67	14.0	2.15	3.79	6.49	9.58	16.0	2.15	3.79	6.49	9.58	16.0
	16	0.95 ³	1.93 ⁴	3.79	5.56	9.44	1.33 ³	2.54	4.77	6.87	11.5	1.54 ⁴	3.04	5.68	8.11	13.4	1.69 ⁴	3.27	5.98	8.99	15.3	1.69 ⁴	3.27	5.98	8.99	15.3
	24	0.26 ²	1.18 ³	3.05 ³	4.75 ⁴	8.47	0.60 ³	1.72 ³	3.96 ⁴	5.98	10.4	0.76 ³	2.13 ³	4.75 ⁴	7.11	12.3	0.87 ³	2.34 ⁴	5.06	7.93	14.1	0.87 ³	2.34 ⁴	5.06	7.93	14.1

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

20 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	600S162						600S200						600S250						600S300					
		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi	
		33	43	54	68	97	33	43	54	68	97	33	43	33	43	54	68	97	33	43	54	68	97	33	43
8	12	3.13	4.53	7.73	10.4	16.0	3.72	5.82	10.4	14.0	22.1	4.05	6.31	4.04	6.26	10.5	15.1	25.2	4.04	6.26	10.5	15.1	25.2	4.04	6.26
	16	2.95	4.35	7.56	10.2	15.9	3.53	5.62	10.2	13.8	21.9	3.86	6.11	3.86	6.11	10.4	15.3	25.6	4.04	6.26	10.9	15.5	27.4	4.04	6.26
	24	2.59	4.00	7.22	9.9	15.5	3.17	5.23	9.75	13.4	21.5	3.48	5.71	3.48	5.71	10.1	14.9	25.2	3.66	5.86	10.5	15.1	27.0	3.66	5.86
9	12	2.97	4.37	7.57	10.2	15.9	3.53	5.59	10.0	13.6	21.6	3.85	6.09	3.85	6.09	10.3	15.1	25.2	4.04	6.23	10.7	15.3	26.9	4.04	6.23
	16	2.74	4.14	7.35	10.0	15.7	3.30	5.34	9.77	13.3	21.3	3.61	5.83	3.61	5.83	10.1	14.8	24.9	3.79	5.98	10.5	15.1	26.6	3.79	5.98
	24	2.29	3.70	6.92	9.57	15.2	2.84	4.84	9.26	12.8	20.8	3.14	5.32	3.14	5.32	9.59	14.3	24.3	3.31	5.48	10.0	14.6	26.1	3.31	5.48
10	12	2.79	4.19	7.39	10.0	15.7	3.32	5.33	9.64	13.1	21.0	3.63	5.83	3.63	5.83	9.97	14.6	24.4	3.81	5.98	10.4	14.9	26.1	3.81	5.98
	16	2.50	3.91	7.11	9.75	15.4	3.04	5.02	9.32	12.8	20.6	3.33	5.51	3.33	5.51	9.66	14.3	24.1	3.51	5.67	10.1	14.5	25.8	3.51	5.67
	24	1.95	3.36	6.57	9.21	14.8	2.48	4.41	8.70	12.2	20.0	2.76	4.89	2.76	4.89	9.06	13.6	23.3	2.93	5.06	9.48	13.9	25.0	2.93	5.06
12	12	2.32	3.70	6.84	9.55	15.2	2.83	4.70	8.69	12.0	19.4	3.11	5.21	3.11	5.21	9.11	13.4	22.5	3.29	5.37	9.52	13.8	24.2	3.29	5.37
	16	1.93	3.30	6.44	9.13	14.7	2.43	4.27	8.24	11.5	18.9	2.70	4.76	2.70	4.76	8.67	12.9	21.9	2.87	4.93	9.09	13.3	23.6	2.87	4.93
	24	1.19	2.54	5.67	8.32	13.9	1.68	3.44	7.37	10.6	17.9	1.92	3.90	1.92	3.90	7.82	12.0	20.9	2.08	4.09	8.24	12.4	22.6	2.08	4.09
14	12	1.78	3.09	5.96	8.53	14.3	2.27	3.97	7.53	10.6	17.3	2.53	4.48	2.53	4.48	8.10	12.0	20.1	2.69	4.67	8.50	12.6	21.8	2.69	4.67
	16	1.30	2.58	5.44	7.97	13.7	1.77	3.42	6.96	9.96	16.7	2.01	3.90	2.01	3.90	7.52	11.4	19.4	2.16	4.09	7.92	11.9	21.1	2.16	4.09
	24	0.41 ³	1.64 ⁴	4.48	6.94	12.5	0.85 ³	2.39 ⁴	5.88	8.83	15.4	1.04 ⁴	2.82	1.04 ⁴	2.82	6.44	10.1	18.0	1.18 ⁴	3.02	6.84	10.7	19.7	1.18 ⁴	3.02
16	12	1.23 ⁴	2.42	4.97	7.27	12.4	1.68	3.18	6.28	9.00	15.0	1.91	3.69	1.91	3.69	7.05	10.5	17.5	2.06	3.89	7.36	11.1	19.3	2.06	3.89
	16	0.68 ³	1.84 ⁴	4.36	6.61	11.6	1.10 ³	2.54	5.62	8.29	14.2	1.30 ⁴	3.00	1.30 ⁴	3.00	6.35	9.67	16.6	1.44 ⁴	3.20	6.67	10.4	18.4	1.44 ⁴	3.20
	24		0.78 ³	3.27 ³	5.43 ⁴	10.3	0.07 ³	1.39 ³	4.41 ³	6.99	12.7	0.21 ³	1.75 ³	0.21 ³	1.75 ³	5.07 ⁴	8.24	15.0	0.31 ³	1.94 ³	5.40 ⁴	8.91	16.7	0.31 ³	1.94 ³
18	12	0.71 ³	1.77 ³	3.97 ⁴	5.96	10.4	1.11 ³	2.42 ⁴	5.06	7.43	12.6	1.31 ³	2.89	1.31 ³	2.89	5.90	8.78	14.8	1.45 ⁴	3.10	6.19	9.61	16.7	1.45 ⁴	3.10
	16	0.13 ²	1.14 ³	3.32 ³	5.26 ⁴	9.55	0.49 ³	1.72 ³	4.35 ⁴	6.66	11.8	0.64 ³	2.12 ³	0.64 ³	2.12 ³	5.11 ⁴	7.92	13.8	0.76 ³	2.32 ⁴	5.41	8.71	15.7	0.76 ³	2.32 ⁴
	24		0.01 ²	2.18 ²	4.01 ³	8.06 ⁴		0.50 ²	3.09 ³	5.29 ³	10.2 ⁴		0.77 ³		3.72 ³	6.38 ³	12.1			0.94 ³	4.02 ³	7.10 ⁴	13.8		0.94 ³
20	12	0.26 ²	1.18 ³	3.05 ³	4.75 ⁴	8.47	0.60 ³	1.72 ³	3.96 ⁴	5.98	10.4	0.76 ³	2.13 ³	0.76 ³	2.13 ³	4.75 ⁴	7.11	12.3	0.87 ³	2.34 ⁴	5.06	7.93	14.1	0.87 ³	2.34 ⁴
	16		0.52 ²	2.40 ³	4.03 ³	7.62 ⁴		1.00 ³	3.24 ³	5.19 ³	9.49	0.07 ²	1.33 ³	0.07 ²	1.33 ³	3.94 ³	6.23 ⁴	11.3	0.15 ²	1.51 ³	4.23 ³	6.99 ⁴	13.0	0.15 ²	1.51 ³
	24			1.27 ²	2.79 ³	6.14 ³			1.99 ²	3.82 ³	7.89 ³					2.52 ²	4.69 ³	9.47 ³		0.06 ²	2.79 ³	5.34 ³	11.0 ⁴		0.06 ²

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

30 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	600S162						600S200						600S250						600S300					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68
8	12	2.86	4.26	7.47	10.1	15.8	3.44	5.52	10.1	13.7	21.8	3.76	6.01	10.3	15.2	25.5	3.95	6.16	10.8	15.4	27.3				
	16	2.59	4.00	7.22	9.87	15.5	3.17	5.23	9.75	13.4	21.5	3.48	5.71	10.1	14.9	25.2	3.66	5.86	10.5	15.1	27.0				
	24	2.06	3.48	6.72	9.38	15.0	2.63	4.64	9.16	12.8	20.9	2.92	5.11	9.48	14.3	24.5	3.10	5.28	9.91	14.5	26.3				
9	12	2.63	4.03	7.24	9.89	15.6	3.18	5.21	9.64	13.2	21.2	3.49	5.70	9.95	14.7	24.8	3.67	5.86	10.4	14.9	26.5				
	16	2.29	3.70	6.92	9.57	15.2	2.84	4.84	9.26	12.8	20.8	3.14	5.32	9.59	14.3	24.3	3.31	5.48	10.0	14.6	26.1				
	24	1.63	3.04	6.29	8.93	14.6	2.17	4.11	8.52	12.1	20.0	2.44	4.58	8.87	13.5	23.5	2.61	4.75	9.30	13.8	25.2				
10	12	2.36	3.77	6.98	9.61	15.3	2.89	4.87	9.16	12.6	20.5	3.19	5.35	9.51	14.1	23.9	3.36	5.51	9.93	14.4	25.6				
	16	1.95	3.36	6.57	9.21	14.8	2.48	4.41	8.70	12.2	20.0	2.76	4.89	9.06	13.6	23.3	2.93	5.06	9.48	13.9	25.0				
	24	1.16	2.56	5.79	8.41	14.0	1.67	3.53	7.79	11.2	19.0	1.92	3.98	8.18	12.6	22.3	2.08	4.17	8.61	13.0	24.0				
12	12	1.74	3.11	6.24	8.93	14.5	2.24	4.06	8.02	11.3	18.6	2.50	4.54	8.45	12.7	21.7	2.67	4.72	8.87	13.1	23.4				
	16	1.19	2.54	5.67	8.32	13.9	1.68	3.44	7.37	10.6	17.9	1.92	3.90	7.82	12.0	20.9	2.08	4.09	8.24	12.4	22.6				
	24	0.17 ³	1.48 ⁴	4.58	7.18	12.6	0.63 ³	2.27	6.15	9.35	16.5	0.82 ⁴	2.68	6.62	10.6	19.4	0.95 ⁴	2.88	7.04	11.1	21.0				
14	12	1.07 ⁴	2.34	5.19	7.71	13.4	1.53	3.15	6.68	9.67	16.3	1.76	3.62	7.24	11.0	19.0	1.91	3.82	7.65	11.6	20.8				
	16	0.41 ³	1.64 ⁴	4.48	6.94	12.5	0.85 ³	2.39 ⁴	5.88	8.83	15.4	1.04 ⁴	2.82	6.44	10.1	18.0	1.18 ⁴	3.02	6.84	10.7	19.7				
	24		0.38 ³	3.17 ³	5.53 ⁴	10.9		1.01 ³	4.43 ³	7.28	13.6		1.35 ³	4.96 ⁴	8.47	16.1		1.54 ³	5.35 ⁴	9.06	17.8				
16	12	0.42 ³	1.56 ³	4.08 ⁴	6.30	11.3	0.83 ³	2.24 ⁴	5.30	7.95	13.8	1.02 ³	2.67	6.02	9.30	16.2	1.15 ³	2.88	6.34	9.97	17.9				
	16		0.78 ³	3.27 ³	5.43 ⁴	10.3	0.07 ³	1.39 ³	4.41 ³	6.99	12.7	0.21 ³	1.75 ³	5.07 ⁴	8.24	15.0	0.31 ³	1.94 ³	5.40 ⁴	8.91	16.7				
	24			1.84 ²	3.87 ³	8.40 ³			2.83 ³	5.28 ³	10.7 ⁴		0.11 ³	3.38 ³	6.35 ³	12.8		0.27 ³	3.69 ³	6.97 ⁴	14.4				
18	12		0.84 ³	3.02 ³	4.93 ³	9.16	0.20 ²	1.40 ³	4.02 ³	6.30 ⁴	11.3	0.34 ³	1.77 ³	4.75 ⁴	7.51	13.4	0.44 ³	1.96 ³	5.04 ⁴	8.29	15.2				
	16		0.01 ²	2.18 ²	4.01 ³	8.06 ⁴		0.50 ²	3.09 ³	5.29 ³	10.2 ⁴		0.77 ³	3.72 ³	6.38 ³	12.1		0.94 ³	4.02 ³	7.10 ⁴	13.8				
	24			0.72 ¹	2.40 ²	6.16 ³			1.48 ²	3.52 ²	8.10 ³			1.94 ²	4.40 ³	9.79 ³			2.20 ²	5.01 ³	11.3 ⁴				
20	12		0.22 ²	2.10 ²	3.70 ³	7.22 ³		0.67 ²	2.91 ³	4.83 ³	9.06 ⁴		0.95 ³	3.56 ³	5.82 ³	10.8		1.13 ³	3.85 ³	6.55 ⁴	12.4				
	16			1.27 ²	2.79 ³	6.14 ³			1.99 ²	3.82 ³	7.89 ³			2.52 ²	4.69 ³	9.47 ³		0.06 ²	2.79 ³	5.34 ³	11.0 ⁴				
	24				1.21 ¹	4.27 ²			0.41 ¹	2.09 ²	5.86 ²			0.73 ¹	2.73 ²	7.22 ³			0.94 ²	3.24 ²	8.53 ³				

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

40 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	600S162						600S200						600S250						600S300											
		33 ksi		50 ksi		97		33 ksi		50 ksi		68		97		33 ksi		50 ksi		68		97		33 ksi		50 ksi		68		97	
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2.59	4.00	7.22	9.87	15.5	3.17	5.23	9.75	13.4	21.5	3.48	5.71	10.1	14.9	25.2	3.66	5.86	10.5	15.1	27.0	3.66	5.86	10.5	15.1	27.0	3.66	5.86	10.5	15.1	27.0
	16	2.24	3.65	6.89	9.54	15.2	2.81	4.84	9.36	13.0	21.1	3.11	5.31	9.67	14.5	24.7	3.28	5.48	10.1	14.7	26.5	3.28	5.48	10.1	14.7	26.5	3.28	5.48	10.1	14.7	26.5
	24	1.55	2.97	6.23	8.89	14.5	2.10	4.07	8.58	12.2	20.3	2.37	4.53	8.92	13.7	23.8	2.54	4.71	9.35	13.9	25.6	2.54	4.71	9.35	13.9	25.6	2.54	4.71	9.35	13.9	25.6
9	12	2.29	3.70	6.92	9.57	15.2	2.84	4.84	9.26	12.8	20.8	3.14	5.32	9.59	14.3	24.3	3.31	5.48	10.0	14.6	26.1	3.31	5.48	10.0	14.6	26.1	3.31	5.48	10.0	14.6	26.1
	16	1.85	3.26	6.50	9.14	14.8	2.39	4.36	8.76	12.3	20.3	2.67	4.82	9.11	13.8	23.8	2.84	4.99	9.53	14.1	25.5	2.84	4.99	9.53	14.1	25.5	2.84	4.99	9.53	14.1	25.5
	24	1.00	2.41	5.67	8.31	13.9	1.52	3.41	7.79	11.3	19.2	1.77	3.85	8.17	12.7	22.6	1.92	4.04	8.59	13.1	24.4	1.92	4.04	8.59	13.1	24.4	1.92	4.04	8.59	13.1	24.4
10	12	1.95	3.36	6.57	9.21	14.8	2.48	4.41	8.70	12.2	20.0	2.76	4.89	9.06	13.6	23.3	2.93	5.06	9.48	13.9	25.0	2.93	5.06	9.48	13.9	25.0	2.93	5.06	9.48	13.9	25.0
	16	1.42	2.82	6.04	8.68	14.3	1.94	3.82	8.09	11.6	19.3	2.20	4.28	8.47	13.0	22.6	2.36	4.46	8.89	13.3	24.3	2.36	4.46	8.89	13.3	24.3	2.36	4.46	8.89	13.3	24.3
	24	0.41 ⁴	1.80	5.03	7.64	13.2	0.91	2.69	6.92	10.3	18.0	1.12	3.11	7.33	11.7	21.2	1.27	3.31	7.75	12.1	22.9	1.27	3.31	7.75	12.1	22.9	1.27	3.31	7.75	12.1	22.9
12	12	1.19	2.54	5.67	8.32	13.9	1.68	3.44	7.37	10.6	17.9	1.92	3.90	7.82	12.0	20.9	2.08	4.09	8.24	12.4	22.6	2.08	4.09	8.24	12.4	22.6	2.08	4.09	8.24	12.4	22.6
	16	0.50 ³	1.82	4.93	7.56	13.0	0.97 ⁴	2.65	6.55	9.77	17.0	1.18 ⁴	3.08	7.01	11.1	19.9	1.32	3.27	7.43	11.6	21.5	1.32	3.27	7.43	11.6	21.5	1.32	3.27	7.43	11.6	21.5
	24		0.49 ³	3.56 ⁴	6.11	11.5		1.19 ³	5.01 ⁴	8.15	15.2		1.54 ⁴	5.48	9.38	17.9		1.74 ⁴	5.89	9.87	19.6		1.74 ⁴	5.89	9.87	19.6		1.74 ⁴	5.89	9.87	19.6
14	12	0.41 ³	1.64 ⁴	4.48	6.94	12.5	0.85 ³	2.39 ⁴	5.88	8.83	15.4	1.04 ⁴	2.82	6.44	10.1	18.0	1.18 ⁴	3.02	6.84	10.7	19.7	1.18 ⁴	3.02	6.84	10.7	19.7	1.18 ⁴	3.02	6.84	10.7	19.7
	16		0.78 ³	3.59 ³	5.98 ⁴	11.4	0.01 ³	1.45 ³	4.90 ⁴	7.78	14.2	0.16 ³	1.82 ⁴	5.43	9.01	16.7	0.27 ³	2.02 ⁴	5.83	9.60	18.4	0.27 ³	2.02 ⁴	5.83	9.60	18.4	0.27 ³	2.02 ⁴	5.83	9.60	18.4
	24			1.98 ³	4.25 ³	9.36 ⁴			3.11 ³	5.86 ³	12.0		0.01 ³	3.60 ³	6.95 ⁴	14.4		0.19 ³	3.97 ³	7.53 ⁴	15.9		0.19 ³	3.97 ³	7.53 ⁴	15.9		0.19 ³	3.97 ³	7.53 ⁴	15.9
16	12		0.78 ³	3.27 ³	5.43 ⁴	10.3	0.07 ³	1.39 ³	4.41 ³	6.99	12.7	0.21 ³	1.75 ³	5.07 ⁴	8.24	15.0	0.31 ³	1.94 ³	5.40 ⁴	8.91	16.7	0.31 ³	1.94 ³	5.40 ⁴	8.91	16.7	0.31 ³	1.94 ³	5.40 ⁴	8.91	16.7
	16			2.30 ³	4.36 ³	8.99 ⁴		0.35 ³	3.33 ³	5.82 ³	11.4		0.63 ³	3.92 ³	6.96 ⁴	13.5		0.80 ³	4.24 ³	7.59 ⁴	15.1		0.80 ³	4.24 ³	7.59 ⁴	15.1		0.80 ³	4.24 ³	7.59 ⁴	15.1
	24			0.58 ²	2.49 ²	6.77 ³			1.43 ²	3.76 ³	8.98 ³			1.88 ²	4.67 ³	10.9 ³			2.16 ²	5.24 ³	12.4 ⁴			2.16 ²	5.24 ³	12.4 ⁴			2.16 ²	5.24 ³	12.4 ⁴
18	12		0.01 ²	2.18 ²	4.01 ³	8.06 ⁴		0.50 ²	3.09 ³	5.29 ³	10.2 ⁴			3.72 ³	6.38 ³	12.1		0.94 ³	4.02 ³	7.10 ⁴	13.8		0.94 ³	4.02 ³	7.10 ⁴	13.8		0.94 ³	4.02 ³	7.10 ⁴	13.8
	16			1.18 ²	2.91 ²	6.76 ³			1.99 ²	4.08 ³	8.75 ³			2.50 ²	5.03 ³	10.5 ⁴			2.78 ³	5.68 ³	12.1 ⁴			2.78 ³	5.68 ³	12.1 ⁴			2.78 ³	5.68 ³	12.1 ⁴
	24				1.01 ¹	4.50 ²			0.08 ¹	1.99 ²	6.31 ²			0.39 ¹	2.68 ²	7.82 ³			0.61 ²	3.19 ²	9.18 ³			0.61 ²	3.19 ²	9.18 ³			0.61 ²	3.19 ²	9.18 ³
20	12			1.27 ²	2.79 ²	6.14 ³			1.99 ²	3.82 ³	7.89 ³			2.52 ²	4.69 ³	9.47 ³		0.06 ²	2.79 ³	5.34 ³	11.0 ⁴		0.06 ²	2.79 ³	5.34 ³	11.0 ⁴		0.06 ²	2.79 ³	5.34 ³	11.0 ⁴
	16			0.29 ¹	1.71 ²	4.85 ²			0.91 ¹	2.64 ²	6.50 ³			1.29 ²	3.35 ²	7.93 ³			1.52 ²	3.90 ²	9.31 ³			1.52 ²	3.90 ²	9.31 ³			1.52 ²	3.90 ²	9.31 ³
	24					2.66 ¹				0.60 ¹	4.12 ²				1.05 ¹	5.29 ²				1.43 ¹	6.40 ²				1.43 ¹	6.40 ²				1.43 ¹	6.40 ²

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

50 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	600S162						600S200						600S250						600S300							
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi			
		33	43	54	68		97	33	43	54		68	97	33	43		54	68	97	33		43	54	68	97	33	43
8	12	2.32	3.74	6.97	9.62	15.3	2.90	4.93	9.45	13.1	21.2	3.20	5.41	9.76	14.6	24.8	3.38	5.57	10.2	14.8	26.6						
	16	1.89	3.31	6.56	9.21	14.9	2.45	4.45	8.97	12.6	20.7	2.74	4.92	9.29	14.1	24.3	2.91	5.09	9.73	14.3	26.1						
	24	1.04	2.47	5.75	8.40	14.0	1.58	3.51	8.01	11.6	19.7	1.84	3.95	8.37	13.0	23.2	1.99	4.14	8.80	13.4	25.0						
9	12	1.96	3.37	6.60	9.25	14.9	2.50	4.48	8.89	12.4	20.4	2.79	4.95	9.23	13.9	23.9	2.96	5.12	9.65	14.2	25.6						
	16	1.42	2.83	6.08	8.72	14.4	1.95	3.88	8.27	11.8	19.7	2.22	4.33	8.63	13.2	23.2	2.38	4.51	9.06	13.6	24.9						
	24	0.39	1.79	5.06	7.70	13.3	0.89	2.72	7.08	10.6	18.5	1.11	3.14	7.48	12.0	21.8	1.26	3.33	7.90	12.3	23.5						
10	12	1.55	2.96	6.17	8.81	14.4	2.07	3.97	8.24	11.7	19.5	2.34	4.43	8.62	13.1	22.8	2.50	4.61	9.04	13.4	24.5						
	16	0.91	2.30	5.53	8.16	13.7	1.42	3.25	7.50	10.9	18.7	1.65	3.69	7.89	12.3	21.9	1.81	3.88	8.32	12.7	23.6						
	24		1.06 ⁴	4.30	6.90	12.4	0.17 ⁴	1.88	6.07	9.47	17.1	0.35 ⁴	2.27	6.50	10.8	20.2	0.48 ⁴	2.47	6.92	11.2	21.9						
12	12	0.67 ⁴	2.00	5.11	7.74	13.2	1.14 ⁴	2.85	6.75	9.98	17.2	1.36	3.28	7.21	11.3	20.1	1.51	3.47	7.63	11.8	21.8						
	16		1.14 ³	4.23	6.82	12.2	0.30 ³	1.90 ⁴	5.76	8.94	16.1	0.47 ³	2.29	6.23	10.2	18.9	0.60 ⁴	2.49	6.65	10.7	20.6						
	24			2.60 ³	5.09 ³	10.4		0.17 ³	3.94 ³	7.02 ⁴	13.9		0.47 ³	4.40 ⁴	8.17	16.6		0.66 ³	4.80 ⁴	8.68	18.2						
14	12		0.99 ³	3.81 ⁴	6.22	11.7	0.21 ³	1.68 ³	5.14 ⁴	8.03	14.5	0.37 ³	2.06 ⁴	5.68	9.28	17.0	0.49 ³	2.26 ⁴	6.08	9.88	17.1						
	16			2.76 ³	5.09 ³	10.3		0.58 ³	3.97 ³	6.79 ⁴	13.1		0.89 ³	4.49 ³	7.95	15.5		1.08 ³	4.87 ⁴	8.54	17.1						
	24			0.89 ²	3.06 ³	7.97 ³			1.90 ²	4.56 ³	10.6 ³			2.34 ³	5.53 ³	12.7 ⁴			2.68 ³	6.09 ³	14.2						
16	12		0.06 ²	2.53 ³	4.62 ³	9.29 ⁴		0.60 ³	3.59 ³	6.10 ³	11.7		0.90 ³	4.20 ³	7.27 ⁴	13.9		1.08 ³	4.52 ³	7.91	15.5						
	16			1.41 ²	3.39 ³	7.84 ³			2.35 ²	4.75 ³	10.1 ⁴			2.86 ³	5.77 ³	12.1 ⁴			3.16 ³	6.38 ³	13.7						
	24				1.23 ³	5.29 ²			0.17 ¹	2.38 ²	7.39 ³			0.52 ²	3.15 ²	9.12 ³			0.77 ²	3.66 ³	10.5 ³						
18	12			1.42 ²	3.17 ²	7.07 ³			2.25 ²	4.37 ³	9.08 ³			2.80 ³	5.35 ³	10.9 ⁴		0.01 ²	3.07 ³	6.02 ³	12.5						
	16			0.28 ¹	1.92 ²	5.58 ³			1.00 ²	2.99 ²	7.48 ³			1.40 ²	3.80 ²	9.11 ³			1.65 ²	4.38 ³	10.6 ³						
	24					3.02 ²				0.62 ¹	4.71 ²				1.13 ¹	6.04 ²				1.54 ²	7.25 ³						
20	12			0.52 ¹	1.96 ²	5.16 ²			1.17 ²	2.92 ²	6.83 ³			1.58 ²	3.67 ²	8.30 ³			1.83 ²	4.25 ³	9.72 ³						
	16				0.74 ¹	3.71 ²				1.57 ¹	5.26 ²			0.19 ¹	2.15 ²	6.55 ²			0.38 ¹	2.61 ²	7.79 ³						
	24					1.23 ¹					2.57 ¹					3.56 ¹					4.49 ²						

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE

Limiting Factored Axial Compressive Resistance Per Stud (kip)

60 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	600S162						600S200						600S250						600S300						
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2.06	3.48	6.72	9.38	15.0	2.63	4.64	9.16	12.8	20.9	2.92	5.11	9.48	14.3	24.5	3.10	5.28	9.91	14.5	26.3	3.10	5.28	9.91	14.5	26.3
	16	1.55	2.97	6.23	8.89	14.5	2.10	4.07	8.58	12.2	20.3	2.37	4.53	8.92	13.7	23.8	2.54	4.71	9.35	13.9	25.6	2.54	4.71	9.35	13.9	25.6
	24	0.55	1.97	5.28	7.93	13.6	1.08	2.96	7.45	11.0	19.1	1.31	3.39	7.82	12.5	22.5	1.46	3.58	8.25	12.8	24.3	1.46	3.58	8.25	12.8	24.3
9	12	1.63	3.04	6.29	8.93	14.6	2.17	4.11	8.52	12.1	20.0	2.44	4.58	8.87	13.5	23.5	2.61	4.75	9.30	13.8	25.2	2.61	4.75	9.30	13.8	25.2
	16	1.00	2.41	5.67	8.31	13.9	1.52	3.41	7.79	11.3	19.2	1.77	3.85	8.17	12.7	22.6	1.92	4.04	8.59	13.1	24.4	1.92	4.04	8.59	13.1	24.4
	24		1.18	4.47	7.10	12.7	0.28 ⁴	2.05	6.39	9.89	17.7	0.47	2.44	6.80	11.2	21.0	0.60	2.65	7.22	11.6	22.7	0.60	2.65	7.22	11.6	22.7
10	12	1.16	2.56	5.79	8.41	14.0	1.67	3.53	7.79	11.2	19.0	1.92	3.98	8.18	12.6	22.3	2.08	4.17	8.61	13.0	24.0	2.08	4.17	8.61	13.0	24.0
	16	0.41 ⁴	1.80	5.03	7.64	13.2	0.91	2.69	6.92	10.3	18.0	1.12	3.11	7.33	11.7	21.2	1.27	3.31	7.75	12.1	22.9	1.27	3.31	7.75	12.1	22.9
	24		0.35 ³	3.59 ⁴	6.17	11.6		1.09 ⁴	5.25	8.63	16.2		1.45	5.69	9.89	19.2	0.95 ⁴	1.66	6.11	10.3	20.9	0.95 ⁴	1.66	6.11	10.3	20.9
12	12	0.17 ³	1.48 ⁴	4.58	7.18	12.6	0.63 ³	2.27	6.15	9.35	16.5	0.82 ⁴	2.68	6.62	10.6	19.4	0.95 ⁴	2.88	7.04	11.1	21.0	0.95 ⁴	2.88	7.04	11.1	21.0
	16		0.49 ³	3.56 ⁴	6.11	11.5		1.19 ³	5.01 ⁴	8.15	15.2		1.54 ⁴	5.48	9.38	17.9		1.74 ⁴	5.89	9.87	19.6		1.74 ⁴	5.89	9.87	19.6
	24			1.69 ³	4.13 ³	9.29 ⁴			2.92 ³	5.94 ³	12.7			3.38 ³	7.02 ⁴	15.2		3.75 ³	7.54 ⁴	16.8			3.75 ³	7.54 ⁴	16.8	
14	12		0.38 ³	3.17 ³	5.53 ⁴	10.9		1.01 ³	4.43 ³	7.28	13.6		1.35 ³	4.96 ⁴	8.47	16.1		1.54 ³	5.35 ⁴	9.06	17.8		1.54 ³	5.35 ⁴	9.06	17.8
	16			1.98 ³	4.25 ³	9.36 ⁴			3.11 ³	5.86 ³	12.0		0.01 ³	3.60 ³	6.95 ⁴	14.4		0.19 ³	3.97 ⁴	7.53 ⁴	15.9		0.19 ³	3.97 ⁴	7.53 ⁴	15.9
	24				1.96 ²	6.67 ³			0.76 ²	3.34 ³	9.15 ³			1.17 ²	4.21 ³	11.2 ³		1.47 ²	4.74 ³	12.6 ⁴	12.6 ⁴		1.47 ²	4.74 ³	12.6 ⁴	12.6 ⁴
16	12			1.84 ²	3.87 ³	8.40 ³			2.83 ³	5.28 ³	10.7 ⁴		0.11 ³	3.38 ³	6.35 ³	12.8		0.27 ³	3.69 ³	6.97 ⁴	14.4		0.27 ³	3.69 ³	6.97 ⁴	14.4
	16			0.58 ²	2.49 ²	6.77 ³			1.43 ²	3.76 ³	8.98 ³			1.88 ²	4.67 ³	10.9 ³			2.16 ²	5.24 ³	12.4 ⁴			2.16 ²	5.24 ³	12.4 ⁴
	24				0.08 ¹	3.92 ²				1.11 ²	5.91 ²				1.74 ²	7.49 ³										
18	12			0.72 ¹	2.40 ²	6.16 ³			1.48 ²	3.52 ²	8.10 ³			1.94 ²	4.40 ³	9.79 ³			2.20 ²	5.01 ³	11.3 ⁴			2.20 ²	5.01 ³	11.3 ⁴
	16				1.01 ¹	4.50 ²			0.08 ¹	1.99 ²	6.31 ²			0.39 ¹	2.68 ²	7.82 ³			0.61 ²	3.19 ²	9.18 ³			0.61 ²	3.19 ²	9.18 ³
	24					1.66 ¹					3.24 ¹					4.42 ²				0.03 ¹	5.47 ²				0.03 ¹	5.47 ²
20	12				1.21 ¹	4.27 ²			0.41 ¹	2.09 ²	5.86 ²			0.73 ¹	2.73 ²	7.22 ³			0.94 ²	3.24 ²	8.53 ³			0.94 ²	3.24 ²	8.53 ³
	16					2.66 ¹				0.60 ¹	4.12 ²				1.05 ¹	5.29 ²				1.43 ¹	6.40 ²				1.43 ¹	6.40 ²
	24										1.16 ¹					1.99 ¹					2.76 ¹					2.76 ¹

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

70 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	600S162						600S200						600S250						600S300					
		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi		33 ksi		50 ksi		33 ksi	
		33	43	54	68	97	14.8	2.36	4.36	8.87	12.5	20.6	26.5	4.82	9.20	14.0	24.2	2.82	4.99	9.63	14.2	28.2	4.99	9.63	14.2
8	12	1.80	3.22	6.48	9.13	14.8	14.2	1.76	3.70	8.20	11.8	19.9	2.01	4.14	8.55	13.2	23.4	2.18	4.33	8.98	13.5	25.2	2.18	4.33	8.98
	16	1.21	2.63	5.91	8.57	14.2	13.1	0.58	2.42	6.89	10.5	18.5	0.79	2.83	7.28	11.9	21.9	0.93	3.03	7.71	12.2	23.6	0.93	3.03	7.71
	24	0.07	1.49	4.81	7.46	13.1	8.62	1.84	3.76	8.15	11.7	19.6	2.10	4.21	8.52	13.1	23.0	2.26	4.39	8.94	13.4	24.8	2.26	4.39	8.94
9	12	1.31	2.72	5.97	8.62	14.2	13.5	1.10	2.95	7.32	10.8	18.7	1.33	3.37	7.70	12.2	22.1	1.48	3.57	8.13	12.6	23.8	1.48	3.57	8.13
	16	0.59	1.99	5.26	7.90	13.5	12.0	1.39	5.71	9.19	17.0	17.0	1.77	6.13	10.5	20.2	20.2	1.97	6.55	10.9	21.9	21.9	1.97	6.55	10.9
	24	0.60 ⁴	0.60 ⁴	3.89	6.51	12.0	8.03	1.29	3.11	7.35	10.8	18.5	1.52	3.54	7.75	12.2	21.7	1.67	3.73	8.18	12.5	23.4	1.67	3.73	8.18
10	12	0.78	2.17	5.40	8.03	13.6	12.7	0.41 ⁴	2.15	6.35	9.76	17.4	0.61 ⁴	2.55	6.77	11.1	20.5	0.74	2.75	7.20	11.5	22.2	0.74	2.75	7.20
	16	1.30	4.54	7.14	12.7	10.9	5.46	0.33 ³	0.33 ³	4.46 ⁴	7.80	15.3	0.66 ⁴	4.91	9.02	18.2	18.2	0.86 ⁴	5.32	9.46	19.9	19.9	0.86 ⁴	5.32	9.46
	24	0.97 ³	4.06 ⁴	2.92 ³	5.43 ⁴	10.7	6.64	1.72 ⁴	0.50 ³	4.29 ⁴	7.39	14.3	0.82 ³	4.76 ⁴	2.39 ³	5.91 ³	14.0	0.42 ³	2.30	6.46	10.5	20.3	1.02 ⁴	5.16 ⁴	9.07
12	12	0.97 ³	4.06 ⁴	2.92 ³	5.43 ⁴	10.7	6.64	1.72 ⁴	0.50 ³	4.29 ⁴	7.39	14.3	0.82 ³	4.76 ⁴	2.39 ³	5.91 ³	14.0	0.42 ³	2.30	6.46	10.5	20.3	1.02 ⁴	5.16 ⁴	9.07
	16	2.92 ³	5.43 ⁴	10.7	6.64	12.0	8.27 ³	0.13 ³	0.37 ³	3.75 ³	6.56 ⁴	12.8	0.66 ³	4.26 ³	7.69 ⁴	15.2	15.2	0.85 ³	4.64 ⁴	8.28	16.8	16.8	0.85 ³	4.64 ⁴	8.28
	24	0.83 ²	2.56 ³	4.88 ³	10.1	8.27 ³	4.88 ³	2.29 ³	2.29 ³	4.98 ³	11.0 ⁴	7.83 ³	0.06 ²	2.96 ²	9.73 ³	9.73 ³	9.73 ³	0.32 ²	3.46 ³	11.1 ³	11.1 ³	11.1 ³	0.32 ²	3.46 ³	11.1 ³
14	12	1.20 ²	3.16 ³	7.56 ³	1.64 ²	5.76 ³	2.65 ²	1.68 ²	5.30 ²	0.16 ¹	3.50 ²	0.41 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹
	16	1.20 ²	3.16 ³	7.56 ³	1.64 ²	5.76 ³	2.65 ²	1.68 ²	5.30 ²	0.16 ¹	3.50 ²	0.41 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹
	24	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹
16	12	1.20 ²	3.16 ³	7.56 ³	1.64 ²	5.76 ³	2.65 ²	1.68 ²	5.30 ²	0.16 ¹	3.50 ²	0.41 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹
	16	1.20 ²	3.16 ³	7.56 ³	1.64 ²	5.76 ³	2.65 ²	1.68 ²	5.30 ²	0.16 ¹	3.50 ²	0.41 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹
	24	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹
18	12	1.20 ²	3.16 ³	7.56 ³	1.64 ²	5.76 ³	2.65 ²	1.68 ²	5.30 ²	0.16 ¹	3.50 ²	0.41 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹
	16	1.20 ²	3.16 ³	7.56 ³	1.64 ²	5.76 ³	2.65 ²	1.68 ²	5.30 ²	0.16 ¹	3.50 ²	0.41 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹
	24	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹
20	12	1.20 ²	3.16 ³	7.56 ³	1.64 ²	5.76 ³	2.65 ²	1.68 ²	5.30 ²	0.16 ¹	3.50 ²	0.41 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹
	16	1.20 ²	3.16 ³	7.56 ³	1.64 ²	5.76 ³	2.65 ²	1.68 ²	5.30 ²	0.16 ¹	3.50 ²	0.41 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹	3.44 ²	1.69 ¹	0.51 ¹	3.44 ²	1.69 ¹
	24	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹	0.07 ¹

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

0 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	800S162						800S200						800S250						800S300					
		33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
8	12	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.22	11.9	17.1	28.6	7.37	12.4	17.5	28.6	7.37	12.4	17.5	28.6	7.37	12.4	17.5	31.2
	16	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.22	11.9	17.1	28.6	7.37	12.4	17.5	28.6	7.37	12.4	17.5	28.6	7.37	12.4	17.5	31.2
	24	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.22	11.9	17.1	28.6	7.37	12.4	17.5	28.6	7.37	12.4	17.5	28.6	7.37	12.4	17.5	31.2
9	12	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.20	11.9	17.1	28.5	7.34	12.3	17.4	28.5	7.34	12.3	17.4	28.5	7.34	12.3	17.4	31.0
	16	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.20	11.9	17.1	28.5	7.34	12.3	17.4	28.5	7.34	12.3	17.4	28.5	7.34	12.3	17.4	31.0
	24	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.20	11.9	17.1	28.5	7.34	12.3	17.4	28.5	7.34	12.3	17.4	28.5	7.34	12.3	17.4	31.0
10	12	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.17	11.8	17.0	28.3	7.31	12.3	17.3	28.3	7.31	12.3	17.3	28.3	7.31	12.3	17.3	30.7
	16	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.17	11.8	17.0	28.3	7.31	12.3	17.3	28.3	7.31	12.3	17.3	28.3	7.31	12.3	17.3	30.7
	24	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.17	11.8	17.0	28.3	7.31	12.3	17.3	28.3	7.31	12.3	17.3	28.3	7.31	12.3	17.3	30.7
12	12	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.10	11.6	16.8	27.9	7.23	12.0	17.0	27.9	7.23	12.0	17.0	27.9	7.23	12.0	17.0	29.9
	16	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.10	11.6	16.8	27.9	7.23	12.0	17.0	27.9	7.23	12.0	17.0	27.9	7.23	12.0	17.0	29.9
	24	4.96	7.94	10.5	16.3	6.59	11.3	14.9	23.1	7.10	11.6	16.8	27.9	7.23	12.0	17.0	27.9	7.23	12.0	17.0	27.9	7.23	12.0	17.0	29.9
14	12	4.96	7.94	10.5	16.3	6.51	11.1	14.8	23.1	6.99	11.3	16.4	27.1	7.11	11.7	16.5	28.9	7.11	11.7	16.5	28.9	7.11	11.7	16.5	28.9
	16	4.96	7.94	10.5	16.3	6.51	11.1	14.8	23.1	6.99	11.3	16.4	27.1	7.11	11.7	16.5	28.9	7.11	11.7	16.5	28.9	7.11	11.7	16.5	28.9
	24	4.96	7.94	10.5	16.3	6.51	11.1	14.8	23.1	6.99	11.3	16.4	27.1	7.11	11.7	16.5	28.9	7.11	11.7	16.5	28.9	7.11	11.7	16.5	28.9
16	12	4.96	7.94	10.5	16.3	6.34	10.7	14.3	22.5	6.84	11.0	15.8	25.9	6.96	11.4	16.0	27.7	6.96	11.4	16.0	27.7	6.96	11.4	16.0	27.7
	16	4.96	7.94	10.5	16.3	6.34	10.7	14.3	22.5	6.84	11.0	15.8	25.9	6.96	11.4	16.0	27.7	6.96	11.4	16.0	27.7	6.96	11.4	16.0	27.7
	24	4.96	7.94	10.5	16.3	6.34	10.7	14.3	22.5	6.84	11.0	15.8	25.9	6.96	11.4	16.0	27.7	6.96	11.4	16.0	27.7	6.96	11.4	16.0	27.7
18	12	4.96	7.94	10.5	16.3	6.13	10.2	13.6	21.3	6.66	10.5	15.0	24.5	6.79	10.9	15.4	26.3	6.79	10.9	15.4	26.3	6.79	10.9	15.4	26.3
	16	4.96	7.94	10.5	16.3	6.13	10.2	13.6	21.3	6.66	10.5	15.0	24.5	6.79	10.9	15.4	26.3	6.79	10.9	15.4	26.3	6.79	10.9	15.4	26.3
	24	4.96	7.93	10.5	16.3	6.13	10.2	13.6	21.3	6.66	10.5	15.0	24.5	6.79	10.9	15.4	26.3	6.79	10.9	15.4	26.3	6.79	10.9	15.4	26.3
20	12	4.88	7.84	10.5	16.3	5.87	9.52	12.7	20.0	6.46	10.1	14.3	22.9	6.59	10.4	14.8	24.8	6.59	10.4	14.8	24.8	6.59	10.4	14.8	24.8
	16	4.88	7.84	10.5	16.3	5.87	9.52	12.7	20.0	6.46	10.1	14.3	22.9	6.59	10.4	14.8	24.8	6.59	10.4	14.8	24.8	6.59	10.4	14.8	24.8
	24	4.88	7.84	10.5	16.3	5.87	9.52	12.7	20.0	6.46	10.1	14.3	22.9	6.59	10.4	14.8	24.8	6.59	10.4	14.8	24.8	6.59	10.4	14.8	24.8

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

10 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	800S162						800S200						800S250						800S300					
		33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
8	12	4.77	7.77	10.4	16.2	6.38	11.1	14.7	22.9	6.99	11.7	16.9	28.4	7.14	12.2	17.3	30.9	7.14	12.2	17.3	30.9	7.14	12.2	17.3	30.9
	16	4.71	7.71	10.3	16.1	6.30	11.0	14.7	22.9	6.92	11.6	16.8	28.3	7.07	12.1	17.2	30.9	7.07	12.1	17.2	30.9	7.07	12.1	17.2	30.9
	24	4.59	7.59	10.2	16.0	6.16	10.9	14.5	22.7	6.76	11.5	16.7	28.1	6.92	12.0	17.1	30.7	6.92	12.0	17.1	30.7	6.92	12.0	17.1	30.7
9	12	4.72	7.72	10.3	16.1	6.32	11.0	14.7	22.9	6.91	11.6	16.8	28.2	7.06	12.1	17.1	30.6	7.06	12.1	17.1	30.6	7.06	12.1	17.1	30.6
	16	4.64	7.64	10.3	16.0	6.22	10.9	14.6	22.8	6.81	11.5	16.7	28.1	6.96	12.0	17.0	30.5	6.96	12.0	17.0	30.5	6.96	12.0	17.0	30.5
	24	4.48	7.50	10.1	15.9	6.04	10.8	14.4	22.6	6.62	11.3	16.5	27.9	6.77	11.8	16.9	30.3	6.77	11.8	16.9	30.3	6.77	11.8	16.9	30.3
10	12	4.66	7.66	10.3	16.1	6.24	11.0	14.6	22.8	6.81	11.5	16.6	27.9	6.96	11.9	16.9	30.3	6.96	11.9	16.9	30.3	6.96	11.9	16.9	30.3
	16	4.56	7.57	10.2	16.0	6.13	10.8	14.5	22.7	6.69	11.3	16.5	27.8	6.84	11.8	16.8	30.1	6.84	11.8	16.8	30.1	6.84	11.8	16.8	30.1
	24	4.36	7.39	10.0	15.8	5.90	10.6	14.3	22.5	6.45	11.1	16.3	27.5	6.60	11.6	16.6	29.9	6.60	11.6	16.6	29.9	6.60	11.6	16.6	29.9
12	12	4.52	7.52	10.1	15.9	6.07	10.8	14.4	22.6	6.57	11.1	16.2	27.3	6.71	11.5	16.4	29.3	6.71	11.5	16.4	29.3	6.71	11.5	16.4	29.3
	16	4.37	7.39	10.0	15.8	5.90	10.6	14.3	22.4	6.39	10.9	16.0	27.1	6.54	11.4	16.3	29.1	6.54	11.4	16.3	29.1	6.54	11.4	16.3	29.1
	24	4.08	7.12	9.74	15.5	5.57	10.3	13.9	22.1	6.05	10.6	15.7	26.7	6.20	11.0	15.9	28.7	6.20	11.0	15.9	28.7	6.20	11.0	15.9	28.7
14	12	4.34	7.35	9.96	15.7	5.79	10.4	14.1	22.4	6.26	10.6	15.6	26.3	6.40	11.0	15.8	28.1	6.40	11.0	15.8	28.1	6.40	11.0	15.8	28.1
	16	4.14	7.16	9.77	15.5	5.55	10.1	13.8	22.1	6.02	10.4	15.3	26.0	6.16	10.8	15.5	27.8	6.16	10.8	15.5	27.8	6.16	10.8	15.5	27.8
	24	3.74	6.78	9.39	15.2	5.09	9.66	13.4	21.6	5.55	9.93	14.8	25.5	5.70	10.3	15.1	27.2	5.70	10.3	15.1	27.2	5.70	10.3	15.1	27.2
16	12	4.12	7.13	9.74	15.5	5.39	9.72	13.3	21.4	5.88	10.0	14.7	24.8	6.02	10.4	15.0	26.5	6.02	10.4	15.0	26.5	6.02	10.4	15.0	26.5
	16	3.85	6.87	9.48	15.2	5.09	9.40	13.0	21.1	5.57	9.72	14.4	24.4	5.72	10.1	14.7	26.1	5.72	10.1	14.7	26.1	5.72	10.1	14.7	26.1
	24	3.34	6.36	8.97	14.7	4.50	8.78	12.3	20.4	4.96	9.13	13.7	23.7	5.12	9.54	14.0	25.4	5.12	9.54	14.0	25.4	5.12	9.54	14.0	25.4
18	12	3.87	6.86	9.45	15.2	4.93	8.91	12.3	20.0	5.43	9.32	13.7	23.0	5.59	9.74	14.1	24.8	5.59	9.74	14.1	24.8	5.59	9.74	14.1	24.8
	16	3.53	6.52	9.11	14.8	4.56	8.52	11.9	19.5	5.05	8.94	13.3	22.6	5.21	9.36	13.7	24.3	5.21	9.36	13.7	24.3	5.21	9.36	13.7	24.3
	24	2.88	5.87	8.45	14.1	3.85	7.77	11.1	18.7	4.31	8.21	12.5	21.6	4.48	8.63	12.9	23.3	4.48	8.63	12.9	23.3	4.48	8.63	12.9	23.3
20	12	3.52	6.46	9.10	14.8	4.42	8.01	11.1	18.3	4.94	8.59	12.6	21.1	5.12	8.97	13.2	22.9	5.12	8.97	13.2	22.9	5.12	8.97	13.2	22.9
	16	3.11	6.04	8.66	14.3	3.98	7.55	10.7	17.8	4.49	8.13	12.1	20.5	4.67	8.52	12.7	22.3	4.67	8.52	12.7	22.3	4.67	8.52	12.7	22.3
	24	2.35	5.25	7.83	13.4	3.17	6.70	9.76	16.7	3.62	7.27	11.1	19.4	3.81	7.66	11.7	21.2	3.81	7.66	11.7	21.2	3.81	7.66	11.7	21.2

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

20 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	800S162						800S200						800S250						800S300					
		33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
8	12	4.59	7.59	10.2	16.0	6.16	10.9	14.5	22.7	6.76	11.5	16.7	28.1	6.92	12.0	17.1	28.1	6.92	12.0	17.1	28.1	6.92	12.0	17.1	30.7
	16	4.46	7.48	10.1	15.9	6.02	10.7	14.4	22.6	6.61	11.3	16.5	28.0	6.77	11.8	16.9	28.0	6.77	11.8	16.9	28.0	6.77	11.8	16.9	30.5
	24	4.21	7.25	9.88	15.7	5.73	10.4	14.1	22.3	6.32	11.1	16.2	27.6	6.48	11.5	16.6	27.6	6.48	11.5	16.6	27.6	6.48	11.5	16.6	30.2
9	12	4.48	7.50	10.1	15.9	6.04	10.8	14.4	22.6	6.62	11.3	16.5	27.9	6.77	11.8	16.9	27.9	6.77	11.8	16.9	27.9	6.77	11.8	16.9	30.3
	16	4.32	7.35	9.97	15.8	5.85	10.6	14.2	22.4	6.43	11.1	16.3	27.6	6.59	11.6	16.7	27.6	6.59	11.6	16.7	27.6	6.59	11.6	16.7	30.1
	24	4.01	7.06	9.69	15.5	5.49	10.2	13.9	22.1	6.05	10.8	15.9	27.2	6.21	11.2	16.3	27.2	6.21	11.2	16.3	27.2	6.21	11.2	16.3	29.7
10	12	4.36	7.39	10.0	15.8	5.90	10.6	14.3	22.5	6.45	11.1	16.3	27.5	6.60	11.6	16.6	27.5	6.60	11.6	16.6	27.5	6.60	11.6	16.6	29.9
	16	4.17	7.20	9.83	15.6	5.67	10.4	14.0	22.2	6.22	10.9	16.0	27.3	6.37	11.3	16.4	27.3	6.37	11.3	16.4	27.3	6.37	11.3	16.4	29.6
	24	3.78	6.84	9.47	15.3	5.22	9.91	13.6	21.8	5.75	10.4	15.5	26.8	5.91	10.9	15.9	26.8	5.91	10.9	15.9	26.8	5.91	10.9	15.9	29.1
12	12	4.08	7.12	9.74	15.5	5.57	10.3	13.9	22.1	6.05	10.6	15.7	26.7	6.20	11.0	15.9	26.7	6.20	11.0	15.9	26.7	6.20	11.0	15.9	28.7
	16	3.80	6.85	9.47	15.3	5.23	9.91	13.6	21.8	5.71	10.3	15.3	26.3	5.86	10.7	15.6	26.3	5.86	10.7	15.6	26.3	5.86	10.7	15.6	28.3
	24	3.23	6.32	8.95	14.7	4.57	9.23	12.9	21.1	5.03	9.61	14.6	25.5	5.20	10.0	14.9	25.5	5.20	10.0	14.9	25.5	5.20	10.0	14.9	27.5
14	12	3.74	6.78	9.39	15.2	5.09	9.66	13.4	21.6	5.55	9.93	14.8	25.5	5.70	10.3	15.1	25.5	5.70	10.3	15.1	25.5	5.70	10.3	15.1	27.2
	16	3.35	6.40	9.02	14.8	4.64	9.19	12.9	21.1	5.09	9.48	14.3	24.9	5.25	9.90	14.6	24.9	5.25	9.90	14.6	24.9	5.25	9.90	14.6	26.7
	24	2.60	5.68	8.30	14.0	3.77	8.27	12.0	20.2	4.19	8.60	13.4	23.8	4.36	9.01	13.7	23.8	4.36	9.01	13.7	23.8	4.36	9.01	13.7	25.6
16	12	3.34	6.36	8.97	14.7	4.50	8.78	12.3	20.4	4.96	9.13	13.7	23.7	5.12	9.54	14.0	23.7	5.12	9.54	14.0	23.7	5.12	9.54	14.0	25.4
	16	2.84	5.87	8.47	14.2	3.94	8.19	11.7	19.8	4.38	8.55	13.1	23.0	4.55	8.96	13.4	23.0	4.55	8.96	13.4	23.0	4.55	8.96	13.4	24.7
	24	1.88	4.93	7.52	13.2	2.86	7.05	10.5	18.5	3.26	7.44	11.9	21.6	3.44	7.85	12.2	21.6	3.44	7.85	12.2	21.6	3.44	7.85	12.2	23.3
18	12	2.88	5.87	8.45	14.1	3.85	7.77	11.1	18.7	4.31	8.21	12.5	21.6	4.48	8.63	12.9	21.6	4.48	8.63	12.9	21.6	4.48	8.63	12.9	23.3
	16	2.27	5.25	7.82	13.5	3.17	7.06	10.4	17.9	3.61	7.51	11.7	20.7	3.79	7.93	12.2	20.7	3.79	7.93	12.2	20.7	3.79	7.93	12.2	22.4
	24	1.13 ³	4.10 ⁴	6.62	12.2	1.92 ⁴	5.74	8.97	16.3	2.30	6.19	10.2	19.1	2.48	6.60	10.7	19.1	2.48	6.60	10.7	20.7	2.48	6.60	10.7	20.7
20	12	2.35	5.25	7.83	13.4	3.17	6.70	9.76	16.7	3.62	7.27	11.1	19.4	3.81	7.66	11.7	19.4	3.81	7.66	11.7	21.2	3.81	7.66	11.7	21.2
	16	1.65 ⁴	4.52	7.06	12.6	2.41	5.90	8.92	15.8	2.82	6.46	10.2	18.4	3.00	6.84	10.8	18.4	3.00	6.84	10.8	20.1	3.00	6.84	10.8	20.1
	24	0.37 ³	3.20 ³	5.64 ⁴	11.0	1.03 ³	4.44 ⁴	7.38	14.0	1.35 ³	4.97 ⁴	8.55	16.5	1.52 ³	5.33 ⁴	9.13	16.5	1.52 ³	5.33 ⁴	9.13	18.1	1.52 ³	5.33 ⁴	9.13	18.1

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

30 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	800S162						800S200						800S250						800S300					
		33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi			
		43	54	68	97	97	97	43	54	68	97	97	97	43	54	68	97	97	97	43	54	68	97	97	97
8	12	4.40	7.42	10.0	15.8	15.8	22.5	5.94	10.7	14.3	22.5	22.5	27.9	6.54	11.3	16.5	27.9	27.9	27.9	6.70	11.8	16.9	30.4	30.4	30.4
	16	4.21	7.25	9.88	15.7	15.7	22.3	5.73	10.4	14.1	22.3	22.3	27.6	6.32	11.1	16.2	27.6	27.6	27.6	6.48	11.5	16.6	30.2	30.2	30.2
	24	3.84	6.91	9.55	15.3	15.3	21.9	5.30	10.0	13.7	21.9	21.9	27.2	5.87	10.6	15.8	27.2	27.2	27.2	6.04	11.1	16.2	29.7	29.7	29.7
9	12	4.24	7.28	9.90	15.7	15.7	22.3	5.76	10.5	14.1	22.3	22.3	27.5	6.33	11.0	16.2	27.5	27.5	27.5	6.49	11.5	16.6	30.0	30.0	30.0
	16	4.01	7.06	9.69	15.5	15.5	22.1	5.49	10.2	13.9	22.1	22.1	27.2	6.05	10.8	15.9	27.2	27.2	27.2	6.21	11.2	16.3	29.7	29.7	29.7
	24	3.54	6.63	9.26	15.1	15.1	21.5	4.94	9.65	13.3	21.5	21.5	26.6	5.48	10.2	15.3	26.6	26.6	26.6	5.65	10.7	15.7	29.0	29.0	29.0
10	12	4.07	7.11	9.74	15.5	15.5	22.1	5.56	10.3	13.9	22.1	22.1	27.1	6.10	10.8	15.9	27.1	27.1	27.1	6.25	11.2	16.2	29.5	29.5	29.5
	16	3.78	6.84	9.47	15.3	15.3	21.8	5.22	9.91	13.6	21.8	21.8	26.8	5.75	10.4	15.5	26.8	26.8	26.8	5.91	10.9	15.9	29.1	29.1	29.1
	24	3.20	6.31	8.94	14.7	14.7	21.1	4.54	9.24	12.9	21.1	21.1	26.0	5.05	9.76	14.8	26.0	26.0	26.0	5.22	10.2	15.2	28.3	28.3	28.3
12	12	3.65	6.71	9.34	15.1	15.1	21.6	5.07	9.74	13.4	21.6	21.6	26.1	5.54	10.1	15.1	26.1	26.1	26.1	5.69	10.5	15.4	28.1	28.1	28.1
	16	3.23	6.32	8.95	14.7	14.7	21.1	4.57	9.23	12.9	21.1	21.1	25.5	5.03	9.61	14.6	25.5	25.5	25.5	5.20	10.0	14.9	27.5	27.5	27.5
	24	2.41	5.54	8.18	14.0	14.0	20.1	3.62	8.25	11.9	20.1	20.1	24.4	4.05	8.65	13.6	24.4	24.4	24.4	4.22	9.08	13.9	26.4	26.4	26.4
14	12	3.16	6.22	8.84	14.6	14.6	20.9	4.42	8.96	12.7	20.9	20.9	24.6	4.86	9.26	14.1	24.6	24.6	24.6	5.02	9.67	14.4	26.4	26.4	26.4
	16	2.60	5.68	8.30	14.0	14.0	20.2	3.77	8.27	12.0	20.2	20.2	23.8	4.19	8.60	13.4	23.8	23.8	23.8	4.36	9.01	13.7	25.6	25.6	25.6
	24	1.52	4.63	7.24	13.0	13.0	18.8	2.52	6.96	10.6	18.8	18.8	22.3	2.91	7.33	12.0	22.3	22.3	22.3	3.09	7.74	12.3	24.0	24.0	24.0
16	12	2.59	5.63	8.23	13.9	13.9	19.4	3.66	7.90	11.4	19.4	19.4	22.6	4.09	8.27	12.8	22.6	22.6	22.6	4.26	8.68	13.1	24.3	24.3	24.3
	16	1.88	4.93	7.52	13.2	13.2	18.5	2.86	7.05	10.5	18.5	18.5	21.6	3.26	7.44	11.9	21.6	21.6	21.6	3.44	7.85	12.2	23.3	23.3	23.3
	24	0.56 ³	3.61 ⁴	6.16	11.8	11.8	16.7	1.36 ⁴	5.46	8.9	16.7	16.7	19.6	1.70 ⁴	5.88	10.1	19.6	19.6	19.6	1.88	6.27	10.5	21.3	21.3	21.3
18	12	1.97	4.96	7.51	13.1	13.1	17.5	2.85	6.72	10.0	17.5	17.5	20.3	3.27	7.17	11.3	20.3	20.3	20.3	3.45	7.58	11.8	22.0	22.0	22.0
	16	1.13 ³	4.10 ⁴	6.62	12.2	12.2	16.3	1.92 ⁴	5.74	8.97	16.3	16.3	19.1	2.30	6.19	10.2	19.1	19.1	19.1	2.48	6.60	10.7	20.7	20.7	20.7
	24		2.53 ³	4.98 ³	10.4	10.4	14.2	0.23 ³	3.93 ³	7.07 ⁴	14.2	14.2	16.7	0.51 ³	4.39 ⁴	8.18	16.7	16.7	16.7	0.67 ³	4.76 ⁴	8.68	18.3	18.3	18.3
20	12	1.31 ³	4.18 ⁴	6.69	12.2	12.2	15.3	2.05 ⁴	5.52	8.52	15.3	15.3	17.9	2.43	6.07	9.78	17.9	17.9	17.9	2.62	6.45	10.4	19.6	19.6	19.6
	16	0.37 ³	3.20 ³	5.64 ⁴	11.0	11.0	14.0	1.03 ³	4.44 ⁴	7.38	14.0	14.0	16.5	1.35 ³	4.97 ⁴	8.55	16.5	16.5	16.5	1.52 ³	5.33 ⁴	9.13	18.1	18.1	18.1
	24		1.44 ²	3.75 ³	8.89 ³	8.89 ³	11.7 ⁴		2.52 ³	5.31 ³	11.7 ⁴	11.7 ⁴	13.9		2.98 ³	6.31 ³	13.9	13.9	13.9		3.30 ³	6.85 ⁴	15.4	15.4	15.4

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

40 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	800S162						800S200						800S250						800S300					
		33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
8	12	4.21	7.25	9.88	15.7	5.73	10.4	14.1	22.3	6.32	11.1	16.2	27.6	6.48	11.5	16.6	30.2								
	16	3.97	7.03	9.66	15.4	5.44	10.2	13.8	22.0	6.02	10.8	15.9	27.3	6.18	11.3	16.3	29.9								
	24	3.48	6.58	9.22	15.0	4.87	9.59	13.3	21.5	5.43	10.2	15.3	26.7	5.60	10.7	15.7	29.2								
9	12	4.01	7.06	9.69	15.5	5.49	10.2	13.9	22.1	6.05	10.8	15.9	27.2	6.21	11.2	16.3	29.7								
	16	3.70	6.77	9.40	15.2	5.12	9.83	13.5	21.7	5.67	10.4	15.5	26.8	5.84	10.9	15.9	29.2								
	24	3.08	6.20	8.84	14.6	4.40	9.11	12.8	21.0	4.92	9.68	14.8	26.0	5.10	10.2	15.2	28.4								
10	12	3.78	6.84	9.47	15.3	5.22	9.91	13.6	21.8	5.75	10.4	15.5	26.8	5.91	10.9	15.9	29.1								
	16	3.39	6.48	9.12	14.9	4.77	9.46	13.1	21.3	5.28	9.98	15.1	26.2	5.45	10.4	15.4	28.5								
	24	2.63	5.77	8.42	14.2	3.88	8.57	12.3	20.5	4.36	9.09	14.1	25.2	4.54	9.54	14.5	27.5								
12	12	3.23	6.32	8.95	14.7	4.57	9.23	12.9	21.1	5.03	9.61	14.6	25.5	5.20	10.0	14.9	27.5								
	16	2.68	5.80	8.43	14.2	3.93	8.57	12.3	20.4	4.37	8.97	13.9	24.8	4.54	9.39	14.2	26.7								
	24	1.62	4.78	7.42	13.2	2.69	7.29	11.0	19.1	3.09	7.71	12.5	23.3	3.27	8.13	12.9	25.2								
14	12	2.60	5.68	8.30	14.0	3.77	8.27	12.0	20.2	4.19	8.60	13.4	23.8	4.36	9.01	13.7	25.6								
	16	1.87	4.98	7.59	13.3	2.93	7.39	11.1	19.2	3.33	7.75	12.4	22.8	3.51	8.16	12.7	24.5								
	24	0.49 ³	3.63	6.23	11.9	1.34 ⁴	5.72	9.34	17.4	1.69	6.11	10.6	20.8	1.87	6.51	11.0	22.4								
16	12	1.88	4.93	7.52	13.2	2.86	7.05	10.5	18.5	3.26	7.44	11.9	21.6	3.44	7.85	12.2	23.3								
	16	0.99 ⁴	4.04	6.60	12.2	1.84 ⁴	5.97	9.43	17.3	2.21	6.38	10.7	20.3	2.39	6.78	11.1	21.9								
	24		2.38 ³	4.89 ⁴	10.4		3.98 ³	7.34	15.0	0.25 ³	4.41 ⁴	8.47	17.7	0.42 ³	4.78 ⁴	8.90	19.3								
18	12	1.13 ³	4.10 ⁴	6.62	12.2	1.92 ⁴	5.74	8.97	16.3	2.30	6.19	10.2	19.1	2.48	6.60	10.7	20.7								
	16	0.08 ³	3.04 ³	5.51 ⁴	11.0	0.77 ³	4.51 ⁴	7.68	14.9	1.08 ³	4.97 ⁴	8.83	17.5	1.25 ⁴	5.35	9.33	19.1								
	24		1.10 ²	3.48 ³	8.75 ⁴		2.30 ³	5.33 ³	12.3 ⁴		2.73 ³	6.32 ³	14.6		3.06 ³	6.81 ⁴	16.1								
20	12	0.37 ³	3.20 ³	5.64 ⁴	11.0	1.03 ³	4.44 ⁴	7.38	14.0	1.35 ³	4.97 ⁴	8.55	16.5	1.52 ³	5.33 ⁴	9.13	18.1								
	16		2.00 ³	4.36 ³	9.57 ⁴		3.13 ³	5.97 ³	12.5	0.02 ³	3.61 ³	7.03 ⁴	14.7	0.17 ³	3.95 ³	7.59 ⁴	16.3								
	24			2.07 ²	7.00 ³		0.80 ²	3.46 ³	9.58 ³		1.19 ²	4.30 ³	11.6 ³		1.46 ²	4.80 ³	13.0 ⁴								

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

50 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	800S162						800S200						800S250						800S300					
		33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi			
		43	54	68	97	97	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
8	12	4.03	7.08	9.71	15.5	15.5	10.2	13.9	22.1	6.09	10.8	16.0	27.4	6.26	11.3	16.4	29.9								
	16	3.72	6.80	9.44	15.2	15.2	9.88	13.6	21.8	5.72	10.5	15.6	27.0	5.89	11.0	16.0	29.5								
	24	3.11	6.24	8.89	14.7	14.7	9.17	12.9	21.1	4.99	9.8	14.9	26.2	5.16	10.3	15.3	28.7								
9	12	3.77	6.85	9.48	15.3	15.3	9.92	13.6	21.8	5.77	10.5	15.6	26.9	5.93	11.0	16.0	29.4								
	16	3.38	6.49	9.12	14.9	14.9	9.47	13.2	21.4	5.30	10.0	15.1	26.4	5.47	10.5	15.5	28.8								
	24	2.62	5.77	8.43	14.2	14.2	8.58	12.3	20.5	4.37	9.15	14.2	25.4	4.55	9.61	14.6	27.8								
10	12	3.49	6.57	9.21	15.0	15.0	9.58	13.3	21.5	5.40	10.1	15.2	26.4	5.56	10.6	15.5	28.7								
	16	3.01	6.13	8.77	14.6	14.6	9.01	12.7	20.9	4.82	9.53	14.6	25.7	4.99	9.99	14.9	28.0								
	24	2.07	5.25	7.90	13.7	13.7	7.91	11.6	19.8	3.69	8.44	13.4	24.5	3.87	8.88	13.8	26.7								
12	12	2.82	5.93	8.56	14.3	14.3	8.74	12.4	20.6	4.54	9.13	14.1	25.0	4.71	9.55	14.4	26.9								
	16	2.15	5.29	7.92	13.7	13.7	7.93	11.6	19.8	3.73	8.33	13.2	24.0	3.90	8.76	13.5	26.0								
	24	0.85	4.04	6.68	12.4	12.4	6.36	10.0	18.1	2.16	6.79	11.5	22.2	2.35	7.21	11.9	24.1								
14	12	2.05	5.15	7.76	13.5	13.5	7.61	11.3	19.4	3.54	7.96	12.7	23.0	3.72	8.37	13.0	24.8								
	16	1.17 ⁴	4.29	6.90	12.6	12.6	6.54	10.2	18.3	2.50	6.92	11.5	21.8	2.68	7.32	11.9	23.5								
	24		2.67 ³	5.25	10.9	10.9	4.53 ⁴	8.11	16.1	0.52 ⁴	4.94	9.31	19.3	0.70 ⁴	5.33	9.70	21.0								
16	12	1.21 ⁴	4.26	6.83	12.5	12.5	6.24	9.70	17.6	2.47	6.64	11.0	20.6	2.65	7.05	11.4	22.2								
	16	0.14 ³	3.19 ³	5.73	11.3	11.3	4.95 ⁴	8.36	16.1	1.21 ⁴	5.38	9.55	19.0	1.38 ⁴	5.76	9.97	20.6								
	24		1.22 ³	3.68 ³	9.12 ⁴	9.12 ⁴	2.59 ³	5.89 ³	13.4		3.03 ³	6.92 ⁴	16.0		3.37 ³	7.37 ⁴	17.5								
18	12	0.34 ³	3.30 ³	5.78 ⁴	11.3	11.3	4.81 ⁴	8.00	15.2	1.38 ⁴	5.27	9.17	17.9	1.55 ⁴	5.66	9.66	19.5								
	16		2.04 ³	4.47 ³	9.83	9.83	3.37 ³	6.47 ⁴	13.5		3.82 ³	7.54 ⁴	16.0	0.11 ³	4.18 ³	8.04	17.6								
	24			2.08 ²	7.21 ³	7.21 ³	0.80 ²	3.72 ³	10.4 ³		1.20 ³	4.59 ³	12.6 ⁴		1.49 ³	5.07 ³	14.0 ⁴								
20	12		2.29 ³	4.67 ³	9.91 ⁴	9.91 ⁴	3.45 ³	6.31 ³	12.8	0.34 ³	3.94 ³	7.39 ⁴	15.1	0.49 ³	4.29 ³	7.96	16.7								
	16		0.90 ²	3.17 ³	8.24 ³	8.24 ³	1.92 ³	4.67 ³	11.0 ⁴		2.36 ³	5.62 ³	13.1 ⁴		2.66 ³	6.15 ³	14.6								
	24			0.53 ²	5.26 ²	5.26 ²		1.78 ²	7.65 ³							2.91 ³	10.7 ³								

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip)

60 psf Factored Lateral Load

Wall Height (ft)	Stud Spacing (in.) o.c.	800S162						800S200						800S250						800S300					
		33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97	43	54	68	97
8	12	3.84	6.91	9.55	15.3	5.30	10.0	13.7	21.9	5.87	10.6	15.8	27.2	6.04	11.1	16.2	29.7								
	16	3.48	6.58	9.22	15.0	4.87	9.59	13.3	21.5	5.43	10.2	15.3	26.7	5.60	10.7	15.7	29.2								
	24	2.75	5.91	8.56	14.4	4.03	8.76	12.5	20.7	4.55	9.36	14.4	25.7	4.72	9.83	14.9	28.2								
9	12	3.54	6.63	9.26	15.1	4.94	9.65	13.3	21.5	5.48	10.2	15.3	26.6	5.65	10.7	15.7	29.0								
	16	3.08	6.20	8.84	14.6	4.40	9.11	12.8	21.0	4.92	9.68	14.8	26.0	5.10	10.2	15.2	28.4								
	24	2.16	5.35	8.01	13.8	3.34	8.05	11.8	20.0	3.82	8.62	13.6	24.8	4.00	9.07	14.0	27.1								
10	12	3.20	6.31	8.94	14.7	4.54	9.24	12.9	21.1	5.05	9.76	14.8	26.0	5.22	10.2	15.2	28.3								
	16	2.63	5.77	8.42	14.2	3.88	8.57	12.3	20.5	4.36	9.09	14.1	25.2	4.54	9.54	14.5	27.5								
	24	1.52	4.73	7.39	13.2	2.59	7.26	11.0	19.2	3.02	7.79	12.7	23.7	3.21	8.23	13.1	25.9								
12	12	2.41	5.54	8.18	14.0	3.62	8.25	11.9	20.1	4.05	8.65	13.6	24.4	4.22	9.08	13.9	26.4								
	16	1.62	4.78	7.42	13.2	2.69	7.29	11.0	19.1	3.09	7.71	12.5	23.3	3.27	8.13	12.9	25.2								
	24	0.09 ⁴	3.32	5.95	11.7	0.91	5.45	9.11	17.2	1.26	5.90	10.6	21.1	1.44	6.30	10.9	23.0								
14	12	1.52	4.63	7.24	13.0	2.52	6.96	10.6	18.8	2.91	7.33	12.0	22.3	3.09	7.74	12.3	24.0								
	16	0.49 ³	3.63	6.23	11.9	1.34 ⁴	5.72	9.34	17.4	1.69	6.11	10.6	20.8	1.87	6.51	11.0	22.4								
	24		1.75 ³	4.30 ⁴	9.90		3.38 ³	6.92	14.8		3.82 ⁴	8.06	17.9		4.18 ⁴	8.47	19.5								
16	12	0.56 ³	3.61 ⁴	6.16	11.8	1.36 ⁴	5.46	8.89	16.7	1.70 ⁴	5.88	10.1	19.6	1.88	6.27	10.5	21.3								
	16		2.38 ³	4.89 ⁴	10.4		3.98 ³	7.34	15.0	0.25 ³	4.41 ⁴	8.47	17.7	0.42 ³	4.78 ⁴	8.90	19.3								
	24		0.12 ²	2.54 ³	7.88 ³		1.29 ³	4.50 ³	11.9 ⁴		1.72 ³	5.45 ³	14.3		2.03 ³	5.90 ³	15.8								
18	12		2.53 ³	4.98 ³	10.4	0.23 ³	3.93 ³	7.07 ⁴	14.2	0.51 ³	4.39 ⁴	8.18	16.7	0.67 ³	4.76 ⁴	8.68	18.3								
	16		1.10 ²	3.48 ³	8.75 ⁴		2.30 ³	5.33 ³	12.3 ⁴		2.73 ³	6.32 ³	14.6		3.06 ³	6.81 ⁴	16.1								
	24			0.77 ²	5.76 ³			2.22 ²	8.73 ³			2.97 ³	10.7 ³			3.42 ³	12.1 ³								
20	12		1.44 ²	3.75 ³	8.89 ³		2.52 ³	5.31 ³	11.7 ⁴		2.98 ³	6.31 ³	13.9		3.30 ³	6.85 ⁴	15.4								
	16			2.07 ²	7.00 ³		0.80 ²	3.46 ³	9.58 ³		1.19 ²	4.30 ³	11.6 ³		1.46 ²	4.80 ³	13.0 ⁴								
	24				3.65 ²			0.22 ²	5.85 ²			0.77 ²	7.44 ³			1.15 ²	8.62 ³								

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

COMBINED AXIAL AND LATERAL LOAD TABLE Limiting Factored Axial Compressive Resistance Per Stud (kip) **70 psf Factored Lateral Load**

Wall Height (ft)	Stud Spacing (in.) o.c.	800S162						800S200						800S250						800S300						
		33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				33 ksi		50 ksi				
		43		54	68	97		43		54	68	97		43		54	68	97		43		54	68	97		
8	12	3.66		6.75	9.38	15.2		5.09	9.81	13.5	21.7		5.65	10.4	15.6	26.9		5.82	10.9	16.0	29.4		5.82	10.9	16.0	29.4
	16	3.23		6.35	9.00	14.8		4.59	9.31	13.0	21.2		5.13	9.92	15.0	26.4		5.30	10.4	15.4	28.9		5.30	10.4	15.4	28.9
	24	2.39		5.58	8.23	14.0		3.61	8.34	12.1	20.3		4.11	8.95	14.0	25.3		4.29	9.41	14.4	27.7		4.29	9.41	14.4	27.7
9	12	3.31		6.41	9.05	14.9		4.67	9.38	13.1	21.3		5.20	9.95	15.0	26.3		5.37	10.4	15.4	28.7		5.37	10.4	15.4	28.7
	16	2.77		5.92	8.56	14.4		4.05	8.76	12.5	20.7		4.55	9.33	14.4	25.6		4.73	9.79	14.8	28.0		4.73	9.79	14.8	28.0
	24	1.71		4.93	7.60	13.4		2.82	7.53	11.2	19.4		3.28	8.10	13.1	24.2		3.46	8.54	13.5	26.5		3.46	8.54	13.5	26.5
10	12	2.91		6.04	8.68	14.5		4.21	8.90	12.6	20.8		4.71	9.42	14.5	25.6		4.88	9.87	14.8	27.9		4.88	9.87	14.8	27.9
	16	2.26		5.42	8.07	13.9		3.45	8.13	11.8	20.0		3.91	8.66	13.6	24.7		4.09	9.10	14.0	26.9		4.09	9.10	14.0	26.9
	24	0.97		4.22	6.88	12.7		1.96	6.62	10.3	18.5		2.36	7.15	12.0	23.0		2.55	7.58	12.4	25.1		2.55	7.58	12.4	25.1
12	12	2.01		5.16	7.80	13.6		3.15	7.77	11.4	19.6		3.57	8.18	13.0	23.8		3.75	8.60	13.4	25.8		3.75	8.60	13.4	25.8
	16	1.10		4.29	6.92	12.7		2.08	6.67	10.3	18.5		2.47	7.10	11.9	22.5		2.65	7.51	12.2	24.4		2.65	7.51	12.2	24.4
	24			2.61 ⁴	5.24	11.0		0.06 ⁴	4.56	8.21	16.3		0.38	5.02	9.58	20.0		0.56	5.41	9.98	21.9		0.56	5.41	9.98	21.9
14	12	1.00 ⁴		4.13	6.73	12.4		1.92	6.33	9.97	18.1		2.29	6.72	11.3	21.5		2.47	7.12	11.6	23.2		2.47	7.12	11.6	23.2
	16			2.99 ⁴	5.57	11.2		0.58 ⁴	4.92	8.51	16.5		0.90 ⁴	5.33	9.74	19.8		1.09	5.72	10.1	21.4		1.09	5.72	10.1	21.4
	24			0.85 ³	3.38 ³	8.93			2.28 ³	5.78 ⁴	13.6			2.72 ³	6.84 ⁴	16.5			3.07 ³	7.27	18.1			3.07 ³	7.27	18.1
16	12			2.99 ³	5.52	11.1		0.65 ³	4.71 ⁴	8.10	15.8		0.96 ⁴	5.13	9.27	18.7		1.14 ⁴	5.51	9.70	20.3		1.14 ⁴	5.51	9.70	20.3
	16			1.60 ³	4.08 ³	9.55			3.05 ³	6.36 ⁴	13.9			3.48 ³	7.43 ⁴	16.6			3.83 ³	7.87	18.1			3.83 ³	7.87	18.1
	24				1.44 ³	6.69 ³			0.05 ²	3.19 ³	10.4 ³			0.47 ³	4.04 ³	12.7 ⁴			0.74 ³	4.49 ³	14.1			0.74 ³	4.49 ³	14.1
18	12			1.80 ³	4.21 ³	9.56 ⁴			3.10 ³	6.18 ³	13.2			3.54 ³	7.23 ⁴	15.6			3.90 ³	7.73 ⁴	17.2			3.90 ³	7.73 ⁴	17.2
	16			0.21 ²	2.54 ³	7.71 ³			1.29 ²	4.25 ³	11.0 ⁴			1.70 ³	5.15 ³	13.2 ⁴			2.00 ³	5.64 ³	14.7			2.00 ³	5.64 ³	14.7
	24					4.38 ²				0.80 ²	7.11 ³				1.44 ²	8.93 ³				1.86 ²	10.2 ³				1.86 ²	10.2 ³
20	12			0.63 ²	2.89 ³	7.92 ³			1.64 ²	4.36 ³	10.6 ³			2.06 ³	5.28 ³	12.7 ⁴			2.36 ³	5.80 ³	14.2			2.36 ³	5.80 ³	14.2
	16				1.03 ²	5.83 ³				2.33 ²	8.28 ³			0.09 ²	3.06 ²	10.1 ³			0.32 ²	3.52 ³	11.4 ³			0.32 ²	3.52 ³	11.4 ³
	24					2.14 ²					4.17 ²					5.58 ²					6.65 ³					6.65 ³

¹ Deflection meets L/120 ³ Deflection meets L/360

² Deflection meets L/240 ⁴ Deflection meets L/600

If no note, deflection meets L/720

Floor Joist Load Tables

Table Notes

- 1 Loads are assumed to be uniformly distributed over entire span(s).
- 2 Load values are based on continuous support of the compression flange over the full length of the joist and the tension flange is laterally braced at a maximum spacing of 8'-0".
- 3 Joists must be braced against rotation at all supports.
- 4 End shear and web crippling resistances are not reduced for punchouts.
- 5 End web crippling check is based on a 3.5" bearing length. Where allowable spans are followed by (*), web stiffeners are required at end supports.
- 6 Web stiffeners are required at interior supports.

Bridging Recommendations

Bracing components shall be designed based on Section C2 of S136-16 with the minimum required number of rows as shown below. Additional bridging rows may be required by design.

Span (ft)	Minimum Number of Rows
up to 16	1 at mid span
16 to 24	2 at 1/3 point
24 to 32	3 at 1/4 point
32 to 40	4 at 1/5 point

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (psf) with $K_p = 0$

Strength - Factored Loads

L/360 - Specified Loads

Span (ft)	Section Design Criteria	600S162-43			600S162-54			600S162-68			600S162-97			600S200-43			600S200-54			600S200-68			600S200-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
8	Strength	203*	152*	101*	360*	270*	180*	486*	364*	243*			371	232*	174*	116*	411*	308*	205*		416*	277*			430*
	L/360	197	147	98	243	182	121	300	225	150			204	228	171	114	282	212	141		262	174			239
9	Strength	160	120	80	284*	213*	142*	384	288	192		440	293	183*	137*	91*	325*	243*	162*	438*	329*	219*			339
	L/360	138	103	69	171	128	85	210	158	105		215	143	160	120	80	198	148	99	245	184	122			167
10	Strength	130	97	65	230	173	115	311	233	155	476	357	238	148	111	74	263*	197*	131*	355	266	177		413	275
	L/360	101	75	50	124	93	62	153	115	76	209	156	104	117	87	58	144	108	72	178	134	89		183	122
11	Strength	107	80	53	190	142	95	257	192	128	393	295	196	122	92	61	217	163*	108	293	220	146	455	341	227
	L/360	75	56	37	93	70	46	115	86	57	157	117	78	87	65	43	108	81	54	134	100	67	183	137	91
12	Strength	90	67	45	160	120	80	216	162	108	330	247	165	103	77	51	182	137	91	246	185	123	382	286	191
	L/360	58	43	29	72	54	36	88	66	44	121	90	60	67	50	33	83	62	41	103	77	51	141	106	70
13	Strength	76	57	38	136	102	68	184	138	92	281	211	140	87	65	43	155	116	77	210	157	105	325	244	162
	L/360	45	34	22	56	42	28	69	52	34	95	71	47	53	39	26	65	49	32	81	61	40	111	83	55
14	Strength	66	49	33	117	88	58	158	119	79	242	182	121	75	56	37	134	100	67	181	135	90	280	210	140
	L/360	36	27	18	45	34	22	56	42	28	76	57	38	42	31	21	52	39	26	65	48	32	89	66	44
15	Strength	57	43	28	102	76	51	138	103	69	211	158	105	66	49	33	117	87	58	157	118	78	244	183	122
	L/360	29	22	14	36	27	18	45	34	22	62	46	31	34	26	17	42	32	21	52	39	26	72	54	36
16	Strength	50	38	25	90	67	45	121	91	60	185	139	92	58	43	29	102	77	51	138	104	69	215	161	107
	L/360	24	18	12	30	22	15	37	28	18	51	38	25	28	21	14	35	26	17	43	32	21	59	44	29
17	Strength	44	33	22	79	59	39	107	80	53	164	123	82	51	38	25	91	68	45	122	92	61	190	142	95
	L/360	20	15	10	25	19	12	31	23	15	42	31	21	23	17	11	29	22	14	36	27	18	49	37	24
18	Strength	40	30		71	53	35	96	72	48	146	110	73	45	34	22	81	60	40	109	82	54	169	127	84
	L/360	17	12		21	16	10	26	19	13	35	26	17	20	15	10	24	18	12	30	23	15	41	31	20
19	Strength	36	27		63	47		86	64	43	131	98	65	41	30		72	54	36	98	73	49	152	114	76
	L/360	14	11		18	13		22	16	11	30	22	15	17	12		21	15	10	26	19	13	35	26	17
20	Strength	32			57	43		77	58		119	89	59	37	27		65	49		88	66	44	137	103	68
	L/360	12			15	11		19	14		26	19	13	14	10		18	13		22	16	11	30	22	15
21	Strength	29			52	39		70	52		107	80	53	33			59	44		80	60		124	93	62
	L/360	10			13	10		16	12		22	16	11	12			15	11		19	14		26	19	13
22	Strength				47			64	48		98	73		30			54	40		73	55		113	85	56
	L/360				11			14	10		19	14		10			13	10		16	12		22	17	11
23	Strength				43			58			89	67					49			67	50		104	78	52
	L/360				10			12			17	12					11			14	11		20	15	10
24	Strength							54			82	61					45			61			95	71	
	L/360							11			15	11					10			12			17	13	
25	Strength										76	57								56			88	66	
	L/360										13	10								11			15	11	
26	Strength										70									52			81	61	
	L/360										11									10			13	10	
27	Strength										65												75		
	L/360										10												12		
28	Strength																						70		
	L/360																						11		
29	Strength																						65		
	L/360																						10		
30	Strength																								
	L/360																								

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 500 psf and less than 10 psf are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit	Factor
L/480	360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (psf) with $K_p = 0$

Strength - Factored Loads

L/360 - Specified Loads

Span (ft)	Section Design Criteria	600S250-43			600S250-54			600S250-68			600S250-97			600S300-43			600S300-54			600S300-68			600S300-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
8	Strength	245*	184*	122*	432*	324*	216*		439*	293*			461*	254*	190*	127*	446*	335*	223*		457*	304*			485*
	L/360	260	195	130	311	233	155		298	198			276	280	210	140	335	251	167		323	215			308
9	Strength	194*	145*	97*	341*	256*	170*	463*	347*	231*			365	200*	150*	100*	353*	264*	176*	481*	361*	240*			383*
	L/360	183	137	91	219	164	109	279	209	139			194	197	147	98	235	176	117	302	227	151			216
10	Strength	157	117	78	276*	207*	138*	375*	281*	187*		443	295	162*	122*	81*	286*	214*	143*	390*	292*	195*		465	310
	L/360	133	100	66	159	119	79	203	152	101		212	141	143	107	71	171	128	85	220	165	110		237	158
11	Strength	130	97	65	228*	171*	114*	310	232	155	488	366	244	134	100	67	236*	177*	118*	322	241	161		385	256
	L/360	100	75	50	119	89	59	152	114	76	212	159	106	108	81	54	129	96	64	165	124	82		178	118
12	Strength	109	81	54	192	144	96	260	195	130	410	307	205	112	84	56	198	148	99	270	203	135	431	323	215
	L/360	77	57	38	92	69	46	117	88	58	163	122	81	83	62	41	99	74	49	127	95	63	183	137	91
13	Strength	93	69	46	163	122	81	222	166	111	349	262	174	96	72	48	169	126	84	230	173	115	367	275	183
	L/360	60	45	30	72	54	36	92	69	46	128	96	64	65	49	32	78	58	39	100	75	50	143	107	71
14	Strength	80	60	40	141	105	70	191	143	95	301	226	150	82	62	41	145	109	72	198	149	99	317	237	158
	L/360	48	36	24	58	43	29	74	55	37	103	77	51	52	39	26	62	46	31	80	60	40	115	86	57
15	Strength	69	52	34	122	92	61	166	125	83	262	197	131	72	54	36	127	95	63	173	129	86	276	207	138
	L/360	39	29	19	47	35	23	60	45	30	83	62	41	42	31	21	50	38	25	65	49	32	93	70	46
16	Strength	61	46	30	108	81	54	146	109	73	230	173	115	63	47	31	111	83	55	152	114	76	242	182	121
	L/360	32	24	16	38	29	19	49	37	24	69	51	34	35	26	17	41	31	20	53	40	26	77	57	38
17	Strength	54	40	27	95	71	47	129	97	64	204	153	102	56	42	28	98	74	49	134	101	67	214	161	107
	L/360	27	20	13	32	24	16	41	31	20	57	43	28	29	21	14	34	26	17	44	33	22	64	48	32
18	Strength	48	36	24	85	64	42	115	86	57	182	136	91	50	37	25	88	66	44	120	90	60	191	143	95
	L/360	22	17	11	27	20	13	34	26	17	48	36	24	24	18	12	29	22	14	37	28	18	54	40	27
19	Strength	43	32		76	57	38	103	77	51	163	122	81	45	33	22	79	59	39	108	81	54	172	129	86
	L/360	19	14		23	17	11	29	22	14	41	30	20	20	15	10	25	18	12	32	24	16	46	34	23
20	Strength	39	29		69	51		93	70	46	147	110	73	40	30		71	53	35	97	73	48	155	116	77
	L/360	16	12		19	14		25	19	12	35	26	17	17	13		21	16	10	27	20	13	39	29	19
21	Strength	35	26		62	47		85	63	42	134	100	67	36	27		64	48		88	66	44	140	105	70
	L/360	14	10		17	12		21	16	10	30	22	15	15	11		18	13		23	17	11	34	25	17
22	Strength	32			57	42		77	58		122	91	61	33	25		59	44		80	60	40	128	96	64
	L/360	12			14	11		19	14		26	19	13	13	10		16	12		20	15	10	29	22	14
23	Strength	29			52			70	53		111	83	55	30			54	40		73	55		117	88	58
	L/360	10			13			16	12		23	17	11	11			14	10		18	13		25	19	12
24	Strength				48			65	48		102	76	51	28			49			67	50		107	80	53
	L/360				11			14	11		20	15	10	10			12			15	11		22	17	11
25	Strength				44			60			94	70					45			62	46		99	74	49
	L/360				10			13			18	13					10			14	10		20	15	10
26	Strength							55			87	65								57			91	68	
	L/360							11			16	12								12			17	13	
27	Strength							51			81	60								53			85	63	
	L/360							10			14	10								11			16	12	
28	Strength										75									49			79	59	
	L/360										12									10			14	10	
29	Strength										70												73		
	L/360										11												12		
30	Strength										65												69		
	L/360										10												11		
29	Strength																								
	L/360																								
30	Strength																								
	L/360																								

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 500 psf and less than 10 psf are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit	Factor
L/480	360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (psf) with $K_p = 0$

Strength - Factored Loads														L/360 - Specified Loads											
Section		800S162-43			800S162-54			800S162-68			800S162-97			800S200-43			800S200-54			800S200-68			800S200-97		
Span (ft)	Design Criteria	Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
8	Strength L/360	276* 381	207* 286	138* 190	490* 474	367* 355	245* 237			335* 300				317* 451	238* 338	158* 225		422* 419	281* 279			384* 346			
9	Strength L/360	218* 268	163* 201	109* 134	387* 333	290* 249	193* 166		398* 316	265* 210			423* 290	251* 317	188* 237	125* 158	445* 393	333* 294	222* 196		455* 365	303* 243			481* 335
10	Strength L/360	176* 195	132* 146	88* 97	314* 242	235* 182	157* 121	430* 307	322* 230	215* 153			343* 211	203* 231	152* 173	101* 115	360* 286	270* 215	180* 143	492* 355	369* 266	246* 177			390* 244
11	Strength L/360	146* 146	109* 110	73* 73	259* 182	194* 136	129* 91	355* 231	266* 173	177* 115		425 238	283 159	168* 173	126* 130	84* 86	298* 215	223* 161	149* 107	406* 266	304* 200	203* 133		483* 275	322* 183
12	Strength L/360	122 113	92 84	61 56	218* 140	163* 105	109* 70	298* 177	223* 133	149* 88	476 245	357 183	238 122	141* 133	105* 100	70* 66	250* 165	187* 124	125* 82	341* 205	256* 154	170* 102		406 212	270 141
13	Strength L/360	104 88	78 66	52 44	185* 110	139* 82	92* 55	254 139	190 104	127 69	406 192	304 144	203 96	120* 105	90* 78	60* 52	213* 130	160* 97	106* 65	291* 161	218* 121	145* 80	461 222	346 166	230 111
14	Strength L/360	90 71	67 53	45 35	160 88	120 66	80 44	219 112	164 84	109 56	350 154	262 115	175 77	103 84	78 63	51 42	184* 104	138* 78	92* 52	251* 129	188* 97	125* 64	397 178	298 133	198 89
15	Strength L/360	78 57	58 43	39 28	139 71	104 53	69 35	191 91	143 68	95 45	305 125	228 94	152 62	90 68	67 51	45 34	160* 84	120* 63	80* 42	218 105	164 78	109 52	346 144	259 108	173 72
16	Strength L/360	69 47	51 35	34 23	122 59	91 44	61 29	167 75	125 56	83 37	268 103	201 71	134 51	79 56	59 42	39 28	140 69	105 52	70 34	192 86	144 65	96 43	304 119	228 89	152 59
17	Strength L/360	61 39	45 29	30 19	108 49	81 37	54 24	148 62	111 46	74 31	237 86	178 64	118 43	70 47	52 35	35 23	124 58	93 43	62 29	170 72	127 54	85 36	269 99	202 74	134 49
18	Strength L/360	54 33	40 25	27 16	96 41	72 31	48 20	132 52	99 39	66 26	211 72	158 54	105 36	62 39	47 29	31 19	111 49	83 36	55 24	151 60	113 45	75 30	240 83	180 62	120 41
19	Strength L/360	48 28	36 21	24 14	86 35	65 26	43 17	119 44	89 33	59 22	190 61	142 46	95 30	56 33	42 25	28 16	99 41	74 31	49 20	136 51	102 38	68 25	216 71	162 53	108 35
20	Strength L/360	44 24	33 18	22 12	78 30	58 22	39 15	107 38	80 28	53 19	171 52	128 39	85 26	50 28	38 21	25 14	90 35	67 26	45 17	123 44	92 33	61 22	195 61	146 45	97 30
21	Strength L/360	40 21	30 15	20 10	71 26	53 19	35 13	97 33	73 24	48 16	155 45	116 34	77 22	46 24	34 18	23 12	81 30	61 23	40 15	111 38	83 28	55 19	176 52	132 39	88 26
22	Strength L/360	36 18	27 13		64 22	48 17	32 11	88 28	66 21	44 14	141 39	106 29	70 19	42 21	31 16	21 10	74 26	55 20	37 13	101 33	76 25	50 16	161 45	120 34	80 22
23	Strength L/360	33 16	25 12		59 19	44 14		81 25	60 18	40 12	129 34	97 26	64 17	38 19	28 14		68 23	51 17	34 11	93 29	69 21	46 14	147 40	110 30	73 20
24	Strength L/360	30 14	23 10		54 17	40 13		74 22	55 16	37 11	119 30	89 22	59 15	35 16	26 12		62 20	46 15	31 10	85 25	64 19	42 12	135 35	101 26	67 17
25	Strength L/360	28 12			50 15	37 11		68 19	51 14		109 27	82 20	54 13	32 14	24 11		57 18	43 13		78 22	59 17	39 11	124 31	93 23	62 15
26	Strength L/360	26 11			46 13	34 10		63 17	47 13		101 24	76 18	50 12	30 13			53 16	40 12		72 20	54 15	36 10	115 27	86 20	57 13
27	Strength L/360				43 12			58 15	44 11		94 21	70 16	47 10	27 11			49 14	37 10		67 18	50 13		106 24	80 18	53 12
28	Strength L/360				40 11			54 14	41 10		87 19	65 14		25 10			46 13			62 16	47 12		99 22	74 16	49 11
29	Strength L/360							51 12			81 17	61 13					42 11			58 14	43 10		92 20	69 15	46 10
30	Strength L/360							47 11			76 15	57 11					40 10			54 13			86 18	64 13	

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 500 psf and less than 10 psf are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit	Factor
L/480	360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (psf) with $K_F = 0$

Strength - Factored Loads															L/360 - Specified Loads										
Section		800S250-43			800S250-54			800S250-68			800S250-97			800S300-43			800S300-54			800S300-68			800S300-97		
Span (ft)	Design Criteria	Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
8	Strength L/360		250* 381	167* 254		442* 458	295* 305			404* 389					251* 408	167* 272		455* 489	303* 326			418* 419			
9	Strength L/360	264* 357	198* 268	132* 178	466* 428	349* 321	233* 214		479* 410	319* 273				271* 382	203* 287	135* 191	479* 458	359* 343	239* 229		495* 441	330* 294			
10	Strength L/360	213* 260	160* 195	106* 130	378* 312	283* 234	189* 156		388* 299	258* 199			416* 278	220* 278	165* 209	110* 139	388* 334	291* 250	194* 167		401* 321	267* 214			433* 307
11	Strength L/360	176* 195	132* 146	88* 97	312* 234	234* 176	156* 117	428* 299	321* 224	214* 149			344* 209	181* 209	136* 157	90* 104	321* 251	240* 188	160* 125	442* 322	331* 241	221* 161			358* 231
12	Strength L/360	148* 150	111* 113	74* 75	262* 180	196* 135	131* 90	359* 230	269* 173	179* 115		434* 242	289* 161	152* 161	114* 121	76* 80	269* 193	202* 145	134* 96	371* 248	278* 186	185* 124		451* 267	300* 178
13	Strength L/360	126* 118	94* 89	63* 59	223* 142	167* 106	111* 71	306* 181	229* 136	153* 90	493 253	369 190	246 126	130* 126	97* 95	65* 63	229* 152	172* 114	114* 76	316* 195	237* 146	158* 97		384* 210	256* 140
14	Strength L/360	109* 95	81 71	54 47	192* 113	144* 85	96* 56	264* 145	198* 108	132* 72	425 203	318 152	212 101	112* 101	84* 76	56* 50	198* 121	148* 91	99* 60	273* 156	204* 117	136* 78	442 224	331 168	221 112
15	Strength L/360	95 77	71 57	47 38	168* 92	126* 69	84* 46	230 118	172 88	115 59	370 165	277 123	185 82	97 82	73 61	48 41	172* 99	129* 74	86* 49	237* 127	178* 95	118* 63	385 182	288 136	192 91
16	Strength L/360	83 63	62 47	41 31	147* 76	110* 57	73* 38	202 97	151 73	101 48	325 136	244 102	162 68	85 68	64 51	42 34	151* 81	113* 61	75* 40	209 104	156 78	104 52	338 150	253 112	169 75
17	Strength L/360	74 53	55 39	37 26	130 63	98 47	65 31	179 81	134 60	89 40	288 113	216 85	144 56	76 56	57 42	38 28	134 68	100 51	67 34	185 87	138 65	92 43	299 125	224 94	149 62
18	Strength L/360	66 44	49 33	33 22	116 53	87 40	58 26	159 68	119 51	79 34	257 95	192 71	128 47	67 47	50 35	33 23	119 57	89 42	59 28	165 73	123 55	82 36	267 105	200 79	133 52
19	Strength L/360	59 38	44 28	29 19	104 45	78 34	52 22	143 58	107 43	71 29	230 81	173 61	115 40	60 40	45 30	30 20	107 48	80 36	53 24	148 62	111 46	74 31	240 89	180 67	120 44
20	Strength L/360	53 32	40 24	26 16	94 39	70 29	47 19	129 49	97 37	64 24	208 69	156 52	104 34	55 34	41 26	27 17	97 41	72 31	48 20	133 53	100 40	66 26	216 76	162 57	108 38
21	Strength L/360	48 28	36 21	24 14	85 33	64 25	42 16	117 43	88 32	58 21	188 60	141 45	94 30	49 30	37 22	24 15	88 36	66 27	44 18	121 46	91 34	60 23	196 66	147 49	98 33
22	Strength L/360	44 24	33 18	22 12	78 29	58 22	39 14	107 37	80 28	53 18	172 52	129 39	86 26	45 26	34 19	22 13	80 31	60 23	40 15	110 40	82 30	55 20	179 57	134 43	89 28
23	Strength L/360	40 21	30 16	20 10	71 25	53 19	35 12	97 32	73 24	48 16	157 45	118 34	78 22	41 22	31 17	20 11	73 27	55 20	36 13	101 35	75 26	50 17	163 50	122 37	81 25
24	Strength L/360	37 18	27 14		65 22	49 16	32 11	89 28	67 21	44 14	144 40	108 30	72 20	38 20	28 15	19 10	67 24	50 18	33 12	92 31	69 23	46 15	150 44	112 33	75 22
25	Strength L/360	34 16	25 12		60 20	45 15	30 10	82 25	62 19	41 12	133 35	99 26	66 17	35 17	26 13		62 21	46 16	31 10	85 27	64 20	42 13	138 39	104 29	69 19
26	Strength L/360	31 14	23 11		55 17	41 13		76 22	57 17	38 11	123 31	92 23	61 15	32 15	24 11		57 19	43 14		79 24	59 18	39 12	128 35	96 26	64 17
27	Strength L/360	29 13			51 15	38 11		71 20	53 15	35 10	114 28	85 21	57 14	30 14	22 10		53 16	39 12		73 21	55 16	36 10	118 31	89 23	59 15
28	Strength L/360	27 11			48 14	36 10		66 18	49 13		106 25	79 19	53 12	28 12			49 15	37 11		68 19	51 14		110 28	82 21	55 14
29	Strength L/360	25 10			44 12			61 16	46 12		99 22	74 17	49 11	26 11			46 13	34 10		63 17	47 13		103 25	77 18	51 12
30	Strength L/360				42 11			57 14	43 11		92 20	69 15	46 10	24 10			43 12			59 15	44 11		96 22	72 17	48 11
29	Strength L/360																								
30	Strength L/360																								

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 500 psf and less than 10 psf are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit	Factor
L/480	360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (psf) with $K_{\phi} = 0$

Strength - Factored Loads										L/360 - Specified Loads									
Section		1000S162-54			1000S162-68			1000S162-97			1000S200-54			1000S200-68			1000S200-97		
Span (ft)	Design Criteria	Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
10	Strength L/360	388* 406	291* 304	194* 203		404* 389	269* 259			440* 370	424* 464	318* 348	212* 232		467* 444	311* 296			
11	Strength L/360	320* 305	240* 228	160* 152	445* 390	334* 292	222* 195			363* 278	373* 349	279* 261	186* 174		386* 334	257* 222			415* 316
12	Strength L/360	269* 234	202* 176	134* 117	374* 300	280* 225	187* 150		458* 321	305* 214	313* 268	235* 201	156* 134	432* 343	324* 257	216* 171			349* 244
13	Strength L/360	229* 184	172* 138	114* 92	319* 236	239* 177	159* 118		390* 252	260* 168	267* 211	200* 158	133* 105	368* 269	276* 202	184* 134		446* 287	297* 191
14	Strength L/360	197* 147	148* 110	98* 73	275* 189	206* 142	137* 94	448 269	336 202	224 134	230* 169	172* 126	115* 84	318* 216	238* 162	159* 108		385* 230	256* 153
15	Strength L/360	172* 120	129* 90	86* 60	239* 154	179* 115	119* 77	391 219	293 164	195 109	200* 137	150* 103	100* 68	277* 175	207* 131	138* 87	447* 249	335* 187	223* 124
16	Strength L/360	151* 99	113* 74	75* 49	210* 126	158* 95	105* 63	343 180	257 135	171 90	176* 113	132* 85	88* 56	243* 144	182* 108	121* 72	393 205	294 154	196 102
17	Strength L/360	134* 82	100* 61	67* 41	186 105	139 79	93 52	304 150	228 112	152 75	156* 94	117* 70	78* 47	215* 120	161* 90	107* 60	348 171	261 128	174 85
18	Strength L/360	119 69	89 52	59 34	166 89	124 66	83 44	271 126	203 95	135 63	139* 79	104* 59	69* 39	192* 101	144* 76	96* 50	310 144	233 108	155 72
19	Strength L/360	107 59	80 44	53 29	149 75	112 56	74 37	243 107	182 80	121 53	125* 67	93* 50	62* 33	172 86	129 64	86 43	278 122	209 92	139 61
20	Strength L/360	97 50	72 38	48 25	134 64	101 48	67 32	220 92	165 69	110 46	112* 58	84* 43	56* 29	155 74	116 55	77 37	251 105	188 79	125 52
21	Strength L/360	87 43	65 32	43 21	122 56	91 42	61 28	199 79	149 59	99 39	102 50	76 37	51 25	141 64	106 48	70 32	228 91	171 68	114 45
22	Strength L/360	80 38	60 28	40 19	111 48	83 36	55 24	181 69	136 52	90 34	93 43	69 32	46 21	128 55	96 41	64 27	207 79	155 59	103 39
23	Strength L/360	73 33	55 25	36 16	101 42	76 32	50 21	166 60	124 45	83 30	85 38	63 28	42 19	117 48	88 36	58 24	190 69	142 51	95 34
24	Strength L/360	67 29	50 22	33 14	93 37	70 28	46 18	152 53	114 40	76 26	78 33	58 25	39 16	108 42	81 32	54 21	174 61	131 45	87 30
25	Strength L/360	62 25	46 19	31 12	86 33	64 24	43 16	140 47	105 35	70 23	72 29	54 22	36 14	99 37	74 28	49 18	161 53	120 40	80 26
26	Strength L/360	57 23	43 17	28 11	79 29	59 22	39 14	130 42	97 31	65 21	66 26	50 19	33 13	92 33	69 25	46 16	148 47	111 35	74 23
27	Strength L/360	53 20	39 15	26 10	73 26	55 19	36 13	120 37	90 28	60 18	61 23	46 17	30 11	85 30	64 22	42 15	138 42	103 32	69 21
28	Strength L/360	49 18	37 13		68 23	51 17	34 11	112 33	84 25	56 16	57 21	43 15	28 10	79 27	59 20	39 13	128 38	96 28	64 19
29	Strength L/360	46 16	34 12		64 21	48 15	32 10	104 30	78 22	52 15	53 19	40 14		74 24	55 18	37 12	119 34	89 25	59 17
30	Strength L/360	43 15	32 11		59 19	44 14		97 27	73 20	48 13	50 17	37 12		69 21	51 16	34 10	111 31	83 23	55 15
31	Strength L/360	40 13	30 10		56 17	42 13		91 24	68 18	45 12	46 15	35 11		64 19	48 14		104 28	78 21	52 14
32	Strength L/360	37 12			52 15	39 11		85 22	64 16	42 11	44 14	33 10		60 18	45 13		98 25	73 19	49 12

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 500 psf and less than 10 psf are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit	Factor
L/480	360/480 = 0.75

FLOOR JOIST LOAD TABLE

Uniformly Distributed Single Span Loads (psf) with $K_{\phi} = 0$

Strength - Factored Loads										L/360 - Specified Loads									
Span (ft)	Section Design Criteria	1000S250-54			1000S250-68			1000S250-97			1000S300-54			1000S300-68			1000S300-97		
		Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
10	Strength L/360		318* 399	212* 266			329* 339					318* 419	212* 279			340* 362			
11	Strength L/360	385* 399	289* 299	192* 199		408* 382	272* 254			443* 357	385* 420	289* 315	192* 210		421* 408	280* 272			460* 391
12	Strength L/360	331* 307	248* 230	165* 153	457* 392	343* 294	228* 196			372* 275	340* 323	255* 242	170* 161	472* 420	354* 315	236* 210			386* 301
13	Strength L/360	282* 242	211* 181	141* 121	389* 308	292* 231	194* 154		476* 325	317* 216	290* 254	217* 190	145* 127	402* 330	301* 247	201* 165		494* 355	329* 237
14	Strength L/360	243* 193	182* 145	121* 96	336* 247	252* 185	168* 123		410* 260	273* 173	250* 203	187* 152	125* 101	346* 264	260* 198	173* 132		426* 284	284* 189
15	Strength L/360	211* 157	158* 118	105* 78	292* 200	219* 150	146* 100	477* 282	357* 211	238* 141	218* 165	163* 124	109* 82	302* 215	226* 161	151* 107	494* 308	371* 231	247* 154
16	Strength L/360	186* 129	139* 97	93* 64	257* 165	192* 124	128* 82	419* 232	314* 174	209* 116	191* 136	143* 102	95* 68	265* 177	199* 132	132* 88	434* 254	326* 190	217* 127
17	Strength L/360	164* 108	123* 81	82* 54	227* 138	170* 103	113* 69	371* 193	278* 145	185* 96	169* 113	127* 85	84* 56	235* 147	176* 110	117* 73	385* 212	288* 159	192* 106
18	Strength L/360	147* 91	110* 68	73* 45	203* 116	152* 87	101* 58	331* 163	248* 122	165* 81	151* 95	113* 71	75* 47	209* 124	157* 93	104* 62	343* 178	257* 134	171* 89
19	Strength L/360	132* 77	99* 58	66* 38	182* 98	136* 74	91* 49	297* 138	222* 104	148* 69	135* 81	101* 61	67* 40	188* 105	141* 79	94* 52	308* 151	231* 113	154* 75
20	Strength L/360	119* 66	89* 49	59* 33	164* 84	123* 63	82* 42	268* 119	201* 89	134* 59	122* 69	91* 52	61* 34	170* 90	127* 68	85* 45	278* 130	208* 97	139* 65
21	Strength L/360	108* 57	81* 43	54* 28	149* 73	112* 54	74* 36	243* 102	182* 77	121* 51	111* 60	83* 45	55* 30	154* 78	115* 58	77* 39	252* 112	189* 84	126* 56
22	Strength L/360	98* 49	73* 37	49* 24	136* 63	102* 47	68* 31	221* 89	166* 67	110* 44	101* 52	76* 39	50* 26	140* 68	105* 51	70* 34	230* 97	172* 73	115* 48
23	Strength L/360	90* 43	67* 32	45* 21	124* 55	93* 41	62* 27	202* 78	152* 58	101* 39	92* 45	69* 34	46* 22	128* 59	96* 44	64* 29	210* 85	157* 64	105* 42
24	Strength L/360	82* 38	62* 28	41* 19	114* 49	85* 36	57* 24	186* 68	139* 51	93* 34	85* 40	63* 30	42* 20	118* 52	88* 39	59* 26	193* 75	144* 56	96* 37
25	Strength L/360	76* 34	57* 25	38* 17	105* 43	79* 32	52* 21	171* 60	128* 45	85* 30	78* 35	58* 26	39* 17	108* 46	81* 34	54* 23	178* 66	133* 50	89* 33
26	Strength L/360	70* 30	52* 22	35* 15	97* 38	73* 28	48* 19	158* 54	119* 40	79* 27	72* 31	54* 23	36* 15	100* 41	75* 30	50* 20	164* 59	123* 44	82* 29
27	Strength L/360	65* 27	49* 20	32* 13	90* 34	67* 25	45* 17	147* 48	110* 36	73* 24	67* 28	50* 21	33* 14	93* 36	69* 27	46* 18	152* 52	114* 39	76* 26
28	Strength L/360	60* 24	45* 18	30* 12	84* 30	63* 23	42* 15	136* 43	102* 32	68* 21	62* 25	46* 19	31* 12	86* 33	65* 24	43* 16	142* 47	106* 35	71* 23
29	Strength L/360	56* 21	42* 16	28* 10	78* 27	58* 20	39* 13	127* 39	95* 29	63* 19	58* 22	43* 17	29* 11	80* 29	60* 22	40* 14	132* 42	99* 32	66* 21
30	Strength L/360	52* 19	39* 14		73* 25	54* 18	36* 12	119* 35	89* 26	59* 17	54* 20	40* 15	27* 10	75* 26	56* 20	37* 13	123* 38	92* 28	61* 19
31	Strength L/360	49* 17	37* 13		68* 22	51* 17	34* 11	111* 31	83* 23	55* 15	51* 18	38* 14		70* 24	53* 18	35* 12	115* 34	86* 26	57* 17
32	Strength L/360	46* 16	34* 12		64* 20	48* 15	32* 10	104* 29	78* 21	52* 14	47* 17	35* 12		66* 22	49* 16	33* 11	108* 31	81* 23	54* 15

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 500 psf and less than 10 psf are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit	Factor
L/480	360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (psf) with $K_{\phi} = 0$

Strength - Factored Loads												L/360 - Specified Loads														
Section		1200S162-68			1200S162-97			1200S200-68			1200S200-97			1200S250-68			1200S250-97			1200S300-68			1200S300-97			
Span (ft)	Design Criteria	Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	
12	Strength L/360	440*	330*	220*			368*			385*	256*			425*		413*	275*			453*		427*	284*		474*	
		460	345	230			335			392	261			379		433	289			424		487	324		466	
13	Strength L/360	375*	281*	187*			470*	313*	437*	328*	218*			362*	469*	352*	234*			386*		363*	242*		404*	
		362	271	181			396	264	411	308	205			298	454	340	227			334		383	255		367	
14	Strength L/360	323*	242*	161*			405*	270*	377*	283*	188*			469*	312*	404*	303*	202*		500*	333*	418*	313*	209*		348*
		290	217	145			317	211	329	246	164			358	238	363	272	181		401	267	409	306	204		293
15	Strength L/360	282*	211*	141*	471*		353*	235*	328*	246*	164*			408*	272*	352*	264*	176*		435*	290*	364*	273*	182*		455*
		235	176	117	343		257	171	267	200	133			291	194	295	221	147		326	217	332	249	166		358
16	Strength L/360	247*	185*	123*	414*	310*	207*	289*	216*	144*	479*	359*	239*	309*	232*	154*			382*	255*	320*	240*	160*		400*	
		194	145	97	283	212	141	220	165	110	320	240	160	243	182	121			268	179	274	205	137		295	
17	Strength L/360	219*	164*	109*	366*	275*	183*	256*	192*	128*	424*	318*	212*	274*	205*	137*	452*	339*	226*	283*	212*	141*	472*	354*	236*	
		162	121	81	236	177	118	183	137	91	266	200	133	203	152	101	298	224	149	228	171	114	328	246	164	
18	Strength L/360	195*	146*	97*	327	245	163	228*	171*	114*	378*	283*	189*	244*	183*	122*	403*	302*	201*	253*	189*	126*	421*	316*	210*	
		136	102	68	199	149	99	154	116	77	224	168	112	171	128	85	251	188	125	192	144	96	276	207	138	
19	Strength L/360	175*	131*	87*	293	220	146	204*	153*	102*	339*	254*	169*	219*	164*	109*	361*	271*	180*	227*	170*	113*	378*	283*	189*	
		116	87	58	169	126	84	131	98	65	191	143	95	145	109	72	214	160	107	163	122	81	235	176	117	
20	Strength L/360	158	118	79	265	198	132	185*	138*	92*	306	229	153	198*	148*	99*	326*	244*	163*	205*	153*	102*	341*	256*	170*	
		99	74	49	145	108	72	112	84	56	163	122	81	124	93	62	183	137	91	140	105	70	201	151	100	
21	Strength L/360	143	107	71	240	180	120	167*	125*	83*	278	208	139	179*	134*	89*	296*	222*	148*	185*	139*	92*	309*	232*	154*	
		85	64	42	125	93	62	97	73	48	141	106	70	107	80	53	158	118	79	121	90	60	174	130	87	
22	Strength L/360	131	98	65	219	164	109	152*	114*	76*	253	190	126	163*	122*	81*	269	202	134	169*	127*	84*	282*	211*	141*	
		74	56	37	109	81	54	84	63	42	123	92	61	93	70	46	137	103	68	105	79	52	151	113	75	
23	Strength L/360	119	89	59	200	150	100	139	104	69	231	173	115	149*	112*	74*	247	185	123	155*	116*	77*	258	193	129	
		65	49	32	95	71	47	74	55	37	107	80	53	82	61	41	120	90	60	92	69	46	132	99	66	
24	Strength L/360	110	82	55	184	138	92	128	96	64	212	159	106	137*	103*	68*	226	170	113	142*	106*	71*	237	177	118	
		57	43	28	83	62	41	65	49	32	94	71	47	72	54	36	106	79	53	81	60	40	116	87	58	
25	Strength L/360	101	76	50	169	127	84	118	88	59	196	147	98	126	95	63	209	156	104	131*	98*	65*	218	164	109	
		50	38	25	74	55	37	57	43	28	83	62	41	63	47	31	93	70	46	71	53	35	103	77	51	
26	Strength L/360	93	70	46	156	117	78	109	82	54	181	136	90	117	88	58	193	144	96	121	90	60	202	151	101	
		45	33	22	66	49	33	51	38	25	74	55	37	56	42	28	83	62	41	63	47	31	91	68	45	
27	Strength L/360	87	65	43	145	109	72	101	76	50	168	126	84	108	81	54	179	134	89	112	84	56	187	140	93	
		40	30	20	58	44	29	45	34	22	66	49	33	50	38	25	74	55	37	57	42	28	81	61	40	
28	Strength L/360	80	60	40	135	101	67	94	70	47	156	117	78	101	75	50	166	125	83	104	78	52	174	130	87	
		36	27	18	52	39	26	41	30	20	59	44	29	45	34	22	66	50	33	51	38	25	73	55	36	
29	Strength L/360	75	56	37	126	94	63	87	65	43	145	109	72	94	70	47	155	116	77	97	73	48	162	121	81	
		32	24	16	47	35	23	37	27	18	53	40	26	40	30	20	60	45	30	46	34	23	66	49	33	
30	Strength L/360	70	52	35	117	88	58	82	61	41	136	102	68	88	66	44	145	108	72	91	68	45	151	113	75	
		29	22	14	42	32	21	33	25	16	48	36	24	36	27	18	54	40	27	41	31	20	59	44	29	
31	Strength L/360	66	49	33	110	82	55	77	57	38	127	95	63	82	61	41	135	101	67	85	63	42	142	106	71	
		26	20	13	38	29	19	30	22	15	44	33	22	33	25	16	49	36	24	37	28	18	54	40	27	
32	Strength L/360	61	46	30	103	77	51	72	54	36	119	89	59	77	58	38	127	95	63	80	60	40	133	100	66	
		24	18	12	35	26	17	27	20	13	40	30	20	30	22	15	44	33	22	34	25	17	49	36	24	
33	Strength L/360	58	43	29	97	73	48	67	50	33	112	84	56	72	54	36	119	89	59	75	56	37	125	94	62	
		22	16	11	32	24	16	25	18	12	36	27	18	27	20	13	40	30	20	31	23	15	44	33	22	
34	Strength L/360	54	41	27	91	68	45	64	48	32	106	79	53	68	51	34	113	84	56	70	53	35	118	88	59	
		20	15	10	29	22	14	22	17	11	33	25	16	25	19	12	37	28	18	28	21	14	41	30	20	
35	Strength L/360	51	38		86	64	43	60	45	30	100	75	50	64	48	32	106	79	53	66	50	33	111	83	55	
		18	13		27	20	13	21	15	10	30	22	15	23	17	11	34	25	17	26	19	13	37	28	18	
36	Strength L/360	48	36		81	61	40	57	42		94	70	47	61	45	30	100	75	50	63	47	31	105	79	52	
		17	12		24	18	12	19	14		28	21	14	21	16	10	31	23	15	24	18	12	34	25	17	
37	Strength L/360	46	34		77	58	38	54	40		89	67	44	57	43		95	71	47	59	44	29	99	74	49	
		15	11		22	17	11	17	13		25	19	12	19	14		28	21	14	22	16	11	31	23	15	
38	Strength L/360	43	32		73	55	36	51	38		84	63	42	54	41		90	67	45	56	42	28	94	70	47	
		14	10		21	15	10	16	12		23	17	11	18	13		26	20	13	20	15	10	29	22	14	

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 500 psf and less than 10 psf are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit	Factor
L/480	360/480 = 0.75

FLOOR JOIST LOAD TABLE
Uniformly Distributed Single Span Loads (psf) with K_φ = 0

Strength - Factored Loads												L/360 - Specified Loads																
Section		1400S162-68			1400S162-97			1400S200-68			1400S200-97			1400S250-68			1400S250-97			1400S300-68			1400S300-97					
Span (ft)	Design Criteria	Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)			Spacing (in.)					
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24			
14	Strength L/360	363* 415	272* 311	181* 207		466* 460	311* 306	431* 469	323* 353	215* 234			362* 344		323* 387	215* 258			389* 383		323* 409	215* 272			408* 414			
15	Strength L/360	317* 337	237* 253	158* 168		406* 374	271* 249	376* 381	282* 286	188* 190			473* 420	315* 280	402* 419	302* 314	201* 209			339* 312	402* 443	302* 332	201* 221			355* 337		
16	Strength L/360	278* 278	208* 208	139* 139	476* 411	357* 308	238* 205	330* 314	248* 235	165* 157			416* 346	277* 230	356* 345	267* 259	178* 172			447* 385	298* 257	372* 365	279* 274	186* 182			468* 416	312* 277
17	Strength L/360	246* 231	185* 173	123* 115	422* 342	316* 257	211* 171	292* 261	219* 196	146* 130	491* 385	368* 288	245* 192	316* 288	237* 216	158* 144			396* 321	264* 214	329* 304	247* 228	164* 152			415* 347	276* 231	
18	Strength L/360	220* 195	165* 146	110* 97	376* 288	282* 216	188* 144	261* 220	195* 165	130* 110	438* 324	328* 243	219* 162	281* 242	211* 182	140* 121	471* 361	353* 270	235* 180	294* 256	220* 192	147* 128	493* 390	370* 292	246* 195			
19	Strength L/360	197* 166	148* 124	98* 83	337* 245	253* 184	168* 122	234* 187	175* 140	117* 93	393* 275	295* 206	196* 137	253* 206	189* 154	126* 103	422* 307	317* 230	211* 153	264* 218	198* 163	132* 109	443* 332	332* 249	221* 166			
20	Strength L/360	178* 142	133* 106	89* 71	305* 210	228* 157	152* 105	211* 160	158* 120	105* 80	355* 236	266* 177	177* 118	228* 177	171* 132	114* 88	381* 263	286* 197	190* 131	238* 187	178* 140	119* 93	400* 284	300* 213	200* 142			
21	Strength L/360	161* 123	121* 92	80* 61	276 181	207 136	138 90	191* 138	143* 104	95* 69	321* 204	241* 153	160* 102	207* 152	155* 114	103* 76	346* 227	259* 170	173* 113	216* 161	162* 121	108* 80	362* 245	272* 184	181* 122			
22	Strength L/360	147* 107	110* 80	73* 53	252 158	189 118	126 79	174* 120	131* 90	87* 60	293* 177	220* 133	146* 88	188* 133	141* 99	94* 66	315* 197	236* 148	157* 98	196* 140	147* 105	98* 70	330* 213	247* 160	165* 106			
23	Strength L/360	134 93	101 70	67 46	230 138	172 103	115 69	160* 105	120* 79	80* 52	268* 155	201* 116	134* 77	172* 116	129* 87	86* 58	288* 173	216* 129	144* 86	180* 123	135* 92	90* 61	302* 187	226* 140	151* 93			
24	Strength L/360	123 82	92 61	61 41	211 121	158 91	105 60	146* 93	110* 69	73* 46	246 136	184 102	123 68	158* 102	118* 76	79* 51	265* 152	198* 114	132* 76	165* 108	124* 81	82* 54	277* 164	208* 123	138* 82			
25	Strength L/360	114 72	85 54	57 36	195 107	146 80	97 53	135* 82	101* 61	67* 41	227 121	170 90	113 60	146* 90	109* 67	73* 45	244* 134	183* 101	122* 67	152* 95	114* 71	76* 47	256* 145	192* 109	128* 72			
26	Strength L/360	105 64	79 48	52 32	180 95	135 71	90 47	125* 73	93* 54	62* 36	210 107	157 80	105 53	135* 80	101* 60	67* 40	225 119	169 89	112 59	141* 85	105* 63	70* 42	236* 129	177* 97	118* 64			
27	Strength L/360	97 57	73 43	48 28	167 85	125 64	83 42	116 65	87 49	58 32	194 96	146 72	97 48	125* 71	93* 53	62* 35	209 107	157 80	104 53	130* 76	98* 57	65* 38	219 115	164 86	109 57			
28	Strength L/360	90 51	68 38	45 25	155 76	116 57	77 38	107 58	80 43	53 29	181 86	135 64	90 43	116* 64	87* 48	58* 32	194 95	146 71	97 47	121* 68	91* 51	60* 34	204 103	153 77	102 51			
29	Strength L/360	84 46	63 35	42 23	145 69	108 51	72 34	100 52	75 39	50 26	168 77	126 58	84 38	108 58	81 43	54 29	181 86	136 64	90 43	113* 61	85* 46	56* 30	190 93	142 70	95 46			
30	Strength L/360	79 42	59 31	39 21	135 62	101 46	67 31	94 47	70 35	47 23	157 70	118 52	78 35	101 52	76 39	50 26	169 78	127 58	84 39	105 55	79* 41	52 27	177 84	133 63	88 42			
31	Strength L/360	74 38	55 28	37 19	126 56	95 42	63 28	88 43	66 32	44 21	147 63	110 47	73 31	95 47	71 35	47 23	158 70	119 53	79 35	99 50	74 37	49 25	166 76	124 57	83 38			
32	Strength L/360	69 34	52 26	34 17	119 51	89 38	59 25	82 39	62 29	41 19	138 57	104 43	69 28	89 43	66 32	44 21	149 64	111 48	74 32	93 45	69 34	46 22	156 69	117 52	78 34			
33	Strength L/360	65 31	49 23	32 15	112 46	84 35	56 23	77 35	58 26	38 17	130 52	97 39	65 26	83 39	62 29	41 19	140 58	105 43	70 29	87 41	65 31	43 20	146 63	110 47	73 31			
34	Strength L/360	61 28	46 21	30 14	105 42	79 32	52 21	73 32	54 24	36 16	122 48	92 36	61 24	79 36	59 27	39 18	132 53	99 40	66 26	82 38	61 28	41 19	138 57	103 43	69 28			
35	Strength L/360	58 26	43 19	29 13	99 39	74 29	49 19	69 30	51 22	34 15	115 44	86 33	57 22	74 33	55 24	37 16	124 49	93 36	62 24	77 34	58 26	38 17	130 53	97 39	65 26			
36	Strength L/360	55 24	41 18	27 12	94 36	70 27	47 18	65 27	48 20	32 13	109 40	82 30	54 20	70 30	52 22	35 15	117 45	88 33	58 22	73 32	55 24	36 16	123 48	92 36	61 24			
37	Strength L/360	52 22	39 16	26 11	89 33	66 24	44 16	61 25	46 19	30 12	103 37	77 28	51 18	66 27	50 20	33 13	111 41	83 31	55 20	69 29	52 22	34 14	116 44	87 33	58 22			
38	Strength L/360	49 20	37 15	24 10	84 30	63 23	42 15	58 23	43 17	29 11	98 34	73 25	49 17	63 25	47 19	31 12	105 38	79 28	52 19	66 27	49 20	33 13	110 41	83 31	55 20			
39	Strength L/360	46 19	35 14		80 28	60 21	40 14	55 21	41 16	27 10	93 31	70 23	46 15	60 23	45 17	30 11	100 35	75 26	50 17	62 25	47 18	31 12	105 38	78 28	52 19			
40	Strength L/360	44 17	33 13		76 26	57 19	38 13	52 20	39 15	26 10	88 29	66 22	44 14	57 22	42 16	28 11	95 32	71 24	47 16	59 24	44 16	29 16	100 44		50			

NOTES:

* Web stiffeners required at ends of members.

1) Values greater than 500 psf and less than 10 psf are not shown.

2) For other deflection limits such as L/480, multiply the L/360 uniform specified loads by the following factor:

Deflection limit	Factor
L/480	360/480 = 0.75

Table Notes

- 1 Values are for unpunched members and are given in pounds per linear foot.
- 2 Headers are made from two "boxed" or "back-to-back" C-section members.
- 3 Factored moment, shear and web crippling resistances are based on twice the resistance of a single member. The moment of inertia for deflection is based on twice the value of a single member.
- 4 Web crippling check is based on 1" of bearing at end supports.
- 5 Members are assumed to be adequately braced for bending.
- 6 Header loads are for simply supported members subjected to uniform bending loads only.



Back-to-Back Header



Boxed Header

UNIFORM DISTRIBUTED HEADER LOADS (PLF)

Strength - Factored Loads L/360 - Specified Loads

Section	Design Criteria	F _y	Span (ft)																	
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
600S162-33	Strength	33	804e	643e	524e	385e	295e	233e	188e	156e	131e	111e	96e	83e	73e	65e	58e	52e	47e	
	L/360		2412	1235	714	450	301	211	154	115	89	70	56	45	37	31	26	22	19	
600S162-43	Strength	33	1691e	1082e	751e	552e	422e	334e	270e	223e	187e	160e	138e	120e	105e	93e	83e	74e	67	
	L/360		3115	1595	923	581	389	273	199	149	115	90	72	59	48	40	34	29	24	
600S162-54	Strength	50	3022e	1934e	1343e	986e	755e	596e	483e	399e	335e	286e	246e	214e	188	167	149	133	120	
	L/360		3848	1970	1140	718	481	337	246	185	142	112	89	72	60	50	42	35	30	
600S162-68	Strength	50	4086e	2615e	1816e	1334e	1021e	807e	653e	540e	454e	386e	333	290	255	226	201	181	163	
	L/360		4742	2428	1405	884	592	416	303	228	175	138	110	89	74	61	52	44	37	
600S162-97	Strength	50	7104e	4546e	3157e	2319e	1776e	1403e	1136e	939e	789e	672	579	505	444	393	350	314	284	
	L/360		6454	3304	1912	1204	806	566	413	310	239	188	150	122	100	84	70	60	51	
600S200-33	Strength	33	804e	643e	536e	438e	335e	265e	214e	177e	149e	127e	109e	95e	83e	74e	66e	59e	53e	
	L/360		2746	1406	813	512	343	241	175	132	101	80	64	52	42	35	30	25	21	
600S200-43	Strength	33	1784e	1228e	852e	626e	479e	379e	307e	253e	213e	181e	156e	136e	119e	106e	94e	85e	76e	
	L/360		3609	1848	1069	673	451	316	231	173	133	105	84	68	56	47	39	33	28	
600S200-54	Strength	50	3414e	2185e	1517e	1114e	853e	674e	546e	451e	379e	323e	278e	242e	213e	189e	168	151	136	
	L/360		4466	2286	1323	833	558	392	285	214	165	130	104	84	69	58	49	41	35	
600S200-68	Strength	50	4615e	2953e	2051e	1506e	1153e	911e	738e	610e	512e	436e	376e	328e	288	255	227	204	184	
	L/360		5517	2824	1634	1029	689	484	353	265	204	160	128	104	86	71	60	51	44	
600S200-97	Strength	50	8082e	5172e	3592e	2639e	2020e	1596e	1293e	1068e	898e	765e	659e	574	505	447	399	358	323	
	L/360		7550	3866	2237	1408	943	662	483	363	279	219	176	143	117	98	82	70	60	
600S250-33	Strength	33	804e	643e	536e	458e	351e	277e	224e	185e	156e	132e	114e	99e	87e	77e	69e	62e	56e	
	L/360		3038	1555	900	566	379	266	194	146	112	88	70	57	47	39	33	28	24	
600S250-43	Strength	33	1784e	1293e	898e	659e	505e	399e	323e	267e	224e	191e	164e	143e	126e	111e	99e	89e	80e	
	L/360		4113	2106	1218	767	514	361	263	197	152	119	95	78	64	53	45	38	32	
600S250-54	Strength	50	3559e	2290e	1590e	1168e	894e	706e	572e	473e	397e	338e	292e	254e	223e	198e	176e	158	143	
	L/360		4913	2515	1455	916	614	431	314	236	181	143	114	93	76	64	53	45	39	
600S250-68	Strength	50	4872e	3118e	2165e	1590e	1218e	962e	779e	644e	541e	461e	397e	346e	304e	269	240	215	194	
	L/360		6271	3211	1858	1170	783	550	401	301	232	182	146	118	97	81	68	58	50	
600S250-97	Strength	50	7684e	4918e	3415e	2509e	1921e	1517e	1229e	1016e	853e	727e	627	546	480	425	379	340	307	
	L/360		8740	4475	2589	1630	1092	767	559	420	323	254	203	165	136	113	95	81	69	
600S200-33	Strength	33	804e	643e	536e	459e	361e	285e	231e	191e	160e	136e	118e	102e	90e	80e	71e	64e	57e	
	L/360		3285	1682	973	613	410	288	210	157	121	95	76	62	51	42	36	30	26	
600S300-43	Strength	33	1784e	1338e	929e	682e	522e	413e	334e	276e	232e	197e	170e	148e	130e	115e	103e	92e	83e	
	L/360		4429	2267	1312	826	553	388	283	212	164	129	103	83	69	57	48	41	35	
600S300-54	Strength	50	3559e	2362e	1640e	1205e	922e	729e	590e	488e	410e	349e	301e	262e	230e	204e	182e	163	147	
	L/360		5288	2707	1567	986	661	464	338	254	195	154	123	100	82	68	58	49	42	
600S300-68	Strength	50	5052e	3233e	2245e	1649e	1263e	997e	808e	668e	561e	478e	412e	359e	315e	279	249	223	202	
	L/360		6795	3479	2013	1267	849	596	434	326	251	197	158	128	106	88	74	63	54	
600S300-97	Strength	50	8068e	5163e	3585e	2634e	2017e	1593e	1290e	1066e	896e	763e	658e	573	504	446	398	357	322	
	L/360		9749	4991	2888	1819	1218	855	623	468	361	284	227	184	152	126	106	90	77	

NOTE: "e" web stiffeners required at ends.

UNIFORM DISTRIBUTED HEADER LOADS (PLF)

Strength - Factored Loads

L/360 - Specified Loads

Section	Design Criteria	F _y (ksi)	Span (ft)																
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
800S162-43	Strength	33	1325e	1060e	883e	746e	571e	451e	365e	302e	253e	216e	186e	162e	142e	126e	112e	101e	91e
	L/360		6026	3085	1785	1124	753	529	385	289	223	175	140	114	94	78	66	56	48
800S162-54	Strength	50	2636e	2109e	1757e	1336e	1022e	808e	654e	541e	454e	387e	334e	290e	255e	226e	202e	181e	163e
	L/360		7485	3832	2218	1396	935	657	479	359	277	218	174	141	116	97	82	69	59
800S162-68	Strength	50	5321e	3601e	2501e	1837e	1406e	1111e	900e	744e	625e	532e	459e	400e	351e	311e	277e	249e	225
	L/360		9481	4854	2809	1769	1185	832	606	455	351	276	221	179	148	123	104	88	75
800S162-97	Strength	50	8984e	5749e	3992e	2933e	2246e	1774e	1437e	1187e	998e	850e	733e	638e	561e	497	443	398	359
	L/360		13068	6691	3872	2438	1633	1147	836	628	484	380	304	247	204	170	143	121	104
800S200-43	Strength	33	1325e	1060e	883e	757e	654e	516e	418e	345e	290e	247e	213e	186e	163e	144e	129e	115e	104e
	L/360		7133	3652	2113	1331	891	626	456	343	264	207	166	135	111	92	78	66	57
800S200-54	Strength	50	2636e	2109e	1757e	1506e	1164e	920e	745e	616e	517e	441e	380e	331e	291e	257e	230e	206e	186e
	L/360		8843	4527	2620	1650	1105	776	565	425	327	257	206	167	138	115	97	82	70
800S200-68	Strength	50	5321e	4080e	2833e	2081e	1593e	1259e	1020e	843e	708e	603e	520e	453e	398e	352e	314e	282e	255e
	L/360		10952	5607	3245	2043	1369	961	700	526	405	319	255	207	171	142	120	102	87
800S200-97	Strength	50	10131e	6484e	4503e	3308e	2532e	2001e	1621e	1339e	1125e	959e	827e	720e	633e	560e	500e	449	405
	L/360		15073	7717	4466	2812	1884	1323	964	724	558	439	351	285	235	196	165	140	120
800S250-43	Strength	33	1325e	1060e	883e	757e	662e	543e	439e	363e	305e	260e	224e	195e	171e	152e	135e	121e	109e
	L/360		8032	4112	2379	1498	1004	705	514	386	297	233	187	152	125	104	88	74	64
800S250-54	Strength	50	2636e	2109e	1757e	1506e	1219e	963e	780e	644e	541e	461e	398e	346e	304e	270e	240e	216e	195e
	L/360		9622	4926	2851	1795	1202	844	615	462	356	280	224	182	150	125	105	89	76
800S250-68	Strength	50	5321e	4257e	2978e	2188e	1675e	1323e	1072e	886e	744e	634e	547e	476e	418e	371e	330e	297e	268e
	L/360		12285	6290	3640	2292	1535	1078	786	590	455	357	286	232	191	160	134	114	98
800S250-97	Strength	50	10770e	6893e	4787e	3517e	2692e	2127e	1723e	1424e	1196e	1019e	879e	765e	673e	596e	531e	477e	430
	L/360		17207	8810	5098	3210	2150	1510	1101	827	637	501	401	326	268	224	188	160	137
800S300-43	Strength	33	1325e	1060e	883e	757e	662e	559e	453e	374e	314e	268e	231e	201e	177e	156e	139e	125e	113e
	L/360		8591	4398	2545	1603	1073	754	549	413	318	250	200	162	134	111	94	80	68
800S300-54	Strength	50	2636e	2109e	1757e	1506e	1253e	990e	801e	662e	556e	474e	409e	356e	313e	277e	247e	222e	200e
	L/360		10295	5271	3050	1920	1286	903	658	495	381	299	240	195	160	134	112	96	82
800S300-68	Strength	50	5321e	4257e	3072e	2257e	1728e	1365e	1106e	914e	768e	654e	564e	491e	432e	382e	341e	306e	276e
	L/360		13210	6763	3914	2464	1651	1159	845	635	489	384	308	250	206	172	144	123	105
800S300-97	Strength	50	11212e	7175e	4983e	3661e	2803e	2214e	1793e	1482e	1245e	1061e	915e	797e	700e	620e	553e	496e	448e
	L/360		18984	9720	5625	3542	2373	1666	1215	912	703	553	442	360	290	247	208	177	151

NOTE: "e" web stiffeners required at ends.

UNIFORM DISTRIBUTED HEADER LOADS (PLF)

Strength - Factored Loads

L/360 - Specified Loads

Section	Design Criteria	F _y (ksi)	Span (ft)																
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1000S162-54	Strength	50	2093e	1675e	1395e	1196e	1046e	930e	805e	665e	559e	476e	410e	357e	314e	278e	248e	223e	201e
	L/360		12514	6407	3707	2335	1564	1098	800	601	463	364	291	237	195	163	137	116	100
1000S162-68	Strength	50	4217e	3374e	2811e	2295e	1757e	1388e	1124e	929e	780e	665e	573e	499e	439e	389e	347e	311e	281e
	L/360		16022	8203	4747	2989	2002	1406	1025	770	593	466	373	303	250	208	175	149	128
1000S162-97	Strength	50	11553e	7394e	5135e	3772e	2888e	2282e	1848e	1527e	1283e	1093e	943e	821e	722e	639e	570e	512e	462e
	L/360		22828	11687	6763	4259	2853	2004	1460	1097	845	664	532	432	356	297	250	213	182
1000S200-54	Strength	50	2093e	1675e	1395e	1196e	1046e	930e	837e	761e	645e	550e	474e	413e	363e	321e	286e	257e	232e
	L/360		14317	7330	4242	2671	1789	1256	916	688	530	417	333	271	223	186	157	133	114
1000S200-68	Strength	50	4217e	3374e	2811e	2410e	2010e	1588e	1286e	1063e	893e	761e	656e	571e	502e	445e	397e	356e	321e
	L/360		18276	9357	5415	3410	2284	1604	1169	878	676	532	426	346	285	238	200	170	146
1000S200-97	Strength	50	12436e	8365e	5809e	4268e	3267e	2581e	2091e	1728e	1452e	1237e	1067e	929e	816e	723e	645e	579e	522e
	L/360		26015	13320	7708	4854	3251	2283	1665	1250	963	757	606	493	406	338	285	242	208
1000S250-54	Strength	50	2093e	1675e	1395e	1196e	1046e	930e	837e	761e	680e	580e	500e	435e	382e	339e	302e	271e	245e
	L/360		16377	8385	4852	3055	2047	1437	1048	787	606	477	381	310	255	213	179	152	131
1000S250-68	Strength	50	4217e	3374e	2811e	2410e	2108e	1677e	1359e	1123e	943e	804e	693e	604e	530e	470e	419e	376e	339e
	L/360		20902	10702	6193	3900	2612	1835	1337	1005	774	608	487	396	326	272	229	195	167
1000S250-97	Strength	50	12436e	8883e	6169e	4532e	3470e	2741e	2220e	1835e	1542e	1314e	1133e	987e	867e	768e	685e	615e	555e
	L/360		29367	15036	8701	5479	3670	2578	1879	1412	1087	855	684	556	458	382	322	274	234
1000S300-54	Strength	50	2093e	1675e	1395e	1196e	1046e	930e	837e	761e	697e	597e	515e	449e	394e	349e	311e	279e	252e
	L/360		17180	8796	5090	3205	2147	1508	1099	826	636	500	400	325	268	223	188	160	137
1000S300-68	Strength	50	4217e	3374e	2811e	2410e	2108e	1733e	1403e	1160e	974e	830e	716e	623e	548e	485e	433e	388e	350e
	L/360		22342	11439	6620	4168	2792	1961	1429	1074	827	650	521	423	349	291	245	208	178
1000S300-97	Strength	50	12436e	9229e	6409e	4709e	3605e	2848e	2307e	1906e	1602e	1365e	1177e	1025e	901e	798e	712e	639e	576e
	L/360		32128	16449	9519	5994	4016	2820	2056	1544	1189	935	749	609	502	418	352	299	257

NOTE: "e" web stiffeners required at ends.

UNIFORM DISTRIBUTED HEADER LOADS (PLF)

Strength - Factored Loads L/360 - Specified Loads

Section	Design Criteria	F _y (ksi)	Span (ft)																
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1200S162-68	Strength	50	3493e	2794e	2328e	1996e	1746e	1552e	1319e	1090e	916e	780e	673e	586e	515e	456e	407e	365e	329e
	L/360		24535	12561	7269	4577	3066	2153	1570	1179	908	714	572	465	383	319	269	228	196
1200S162-97	Strength	50	10271e	8217e	6172e	4535e	3472e	2743e	2222e	1836e	1543e	1314e	1133e	987e	868e	768e	685e	615e	555e
	L/360		35772	18315	10599	6674	4471	3140	2289	1720	1324	1042	834	678	558	465	392	333	286
1200S200-68	Strength	50	3493e	2794e	2328e	1996e	1746e	1552e	1397e	1262e	1060e	903e	779e	678e	596e	528e	471e	423e	381e
	L/360		27834	14251	8247	5193	3479	2443	1781	1338	1030	810	649	527	434	362	305	259	222
1200S200-97	Strength	50	10271e	8217e	6847e	5168e	3957e	3126e	2532e	2093e	1758e	1498e	1292e	1125e	989e	876e	781e	701e	633e
	L/360		40422	20696	11976	7542	5052	3548	2587	1943	1497	1177	942	766	631	526	443	377	323
1200S250-68	Strength	50	3493e	2794e	2328e	1996e	1746e	1552e	1397e	1270e	1130e	962e	830e	723e	635e	563e	502e	450e	406e
	L/360		30747	15742	9110	5737	3843	2699	1967	1478	1138	895	717	583	480	400	337	286	245
1200S250-97	Strength	50	10271e	8217e	6847e	5514e	4221e	3335e	2701e	2233e	1876e	1598e	1378e	1200e	1055e	934e	833e	748e	675e
	L/360		45269	23177	13413	8446	5658	3974	2897	2176	1676	1318	1055	858	707	589	496	422	362
1200S300-68	Strength	50	3493e	2794e	2328e	1996e	1746e	1552e	1397e	1270e	1164e	1000e	862e	751e	660e	585e	521e	468e	422e
	L/360		34576	17703	10244	6451	4322	3035	2212	1662	1280	1007	806	655	540	450	379	322	276
1200S300-97	Strength	50	10271e	8217e	6847e	5744e	4397e	3474e	2814e	2326e	1954e	1665e	1436e	1250e	1099e	973e	868e	779e	703e
	L/360		49728	25460	14734	9278	6216	4365	3182	2391	1841	1448	1159	942	777	647	545	464	397

NOTE: "e" web stiffeners required at ends.

UNIFORM DISTRIBUTED HEADER LOADS (PLF)

Strength - Factored Loads L/360 - Specified Loads

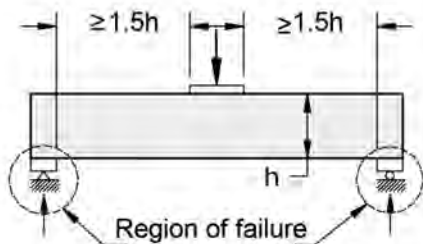
Section	Design Criteria	F _y (ksi)	Span (ft)																
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1400S162-68	Strength	50	2981e	2384e	1987e	1703e	1490e	1324e	1192e	1084e	993e	879e	758e	660e	580e	514e	459e	411e	371e
	L/360		35103	17972	10400	6549	4387	3081	2246	1687	1300	1022	818	665	548	457	385	327	280
1400S162-97	Strength	50	8748e	6999e	5832e	4999e	3990e	3153e	2554e	2110e	1773e	1511e	1303e	1135e	997e	883e	788e	707e	638e
	L/360		51894	26569	15376	9682	6486	4555	3321	2495	1922	1511	1210	984	810	676	569	484	415
1400S200-68	Strength	50	2981e	2384e	1987e	1703e	1490e	1324e	1192e	1084e	993e	917e	851e	772e	678e	601e	536e	481e	434e
	L/360		39661	20306	11751	7400	4957	3481	2538	1907	1468	1155	925	752	619	516	435	370	317
1400S200-97	Strength	50	8748e	6999e	5832e	4999e	4374e	3621e	2933e	2424e	2037e	1735e	1496e	1303e	1145e	1015e	905e	812e	733e
	L/360		58294	29846	17272	10877	7286	5117	3730	2803	2159	1698	1359	1105	910	759	639	543	466
1400S250-68	Strength	50	2981e	2384e	1987e	1703e	1490e	1324e	1192e	1084e	993e	917e	851e	794e	730e	647e	577e	518e	467e
	L/360		43602	22324	12919	8135	5450	3827	2790	2096	1614	1270	1016	826	681	567	478	406	348
1400S250-97	Strength	50	8748e	6999e	5832e	4999e	4374e	3888e	3151e	2604e	2188e	1864e	1608e	1400e	1231e	1090e	972e	873e	787e
	L/360		64926	33242	19237	12114	8115	5699	4155	3121	2404	1891	1514	1231	1014	845	712	605	519
1400S300-68	Strength	50	2981e	2384e	1987e	1703e	1490e	1324e	1192e	1084e	993e	917e	851e	794e	745e	677e	604e	542e	489e
	L/360		46013	23558	13633	8585	5751	4039	2944	2212	1704	1340	1073	872	718	599	504	429	368
1400S300-97	Strength	50	8748e	6999e	5832e	4999e	4374e	3888e	3301e	2728e	2292e	1953e	1684e	1467e	1289e	1142e	1018e	914e	825e
	L/360		70147	35915	20784	13088	8768	6158	4489	3372	2598	2043	1636	1330	1096	913	769	654	561

NOTE: "e" web stiffeners required at ends.

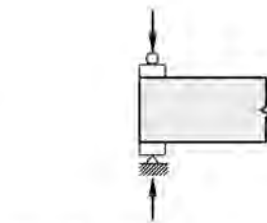
Web Crippling Data

Table Notes

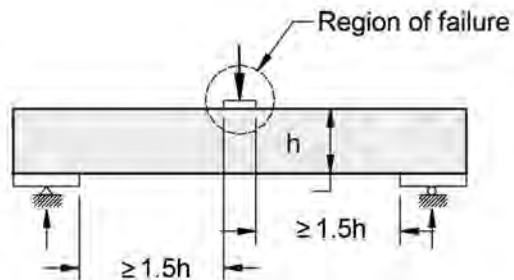
- 1 The factored web crippling data is based on Section G5 of S136-16.
- 2 For single web members, the coefficients and resistance factors are based on Table G5-2. If $N/h > 2$, then N can not be greater than $2h$. If $N/t > 210$, then N can not be greater than $210t$.
- 3 For back-to-back members, the coefficients and resistance factors are based on Table G5-1. If $N/h > 1$, then N can not be greater than h . If $N/t > 210$, then N can not be greater than $210t$.
- 4 Coefficients and resistance factors are based on members "Fastened to Support", except for back-to-back members under two-flange loading, the coefficients and resistance factors "Unfastened to Support" are used.
- 5 For back-to-back members, the distance between web connectors and flange shall be kept to a minimum.
- 6 Calculations are based on unperforated webs. Resistance reductions for end and interior one flange loading near punchouts can be calculated based on Section G6 of S136-16.



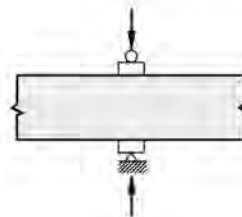
End One Flange Loading (EOF)



End Two Flange Loading (ETF)



Interior One Flange Loading (IOF)



Interior Two Flange Loading (ITF)

FACTORED WEB CRIPPLING DATA FOR SINGLE WEB MEMBERS (Imperial)

Section Depth (in.)	Designation Thickness (mil)	Base Design Thickness (in.)	F _y (ksi)	h/t	FACTORED WEB CRIPPLING DATA (lb)							
					EOF		IOF		ETF		ITF	
					P _{eo1}	P _{eo2}	P _{io1}	P _{io2}	P _{et1}	P _{et2}	P _{it1}	P _{it2}
3.625	33	0.0346	33	98.3	75.2	26.3	244	34.1	103	12.3	349	28.0
	43	0.0451	33	75.2	137	48.0	453	63.5	198	23.8	644	51.5
	54	0.0566	50	59.0	337	118	1105	155	513	61.6	1606	129
	68	0.0713	50	45.8	546	191	1770	248	871	105	2644	212
	97	0.1017	50	30.6	1143	400	3649	511	1927	231	5639	451
4.00	33	0.0346	33	109	74.2	26.0	242	33.9	97.6	11.7	341	27.3
	43	0.0451	33	83.5	136	47.5	451	63.1	191	22.9	631	50.5
	54	0.0566	50	65.7	334	117	1100	154	497	59.6	1579	126
	68	0.0713	50	51.1	542	190	1763	247	847	102	2604	208
	97	0.1017	50	34.3	1135	397	3637	509	1886	226	5571	446
6.00	33	0.0346	33	167	69.6	24.4	235	33.0	74.3	8.90	302	24.2
	43	0.0451	33	128	128	44.9	440	61.6	155	18.6	572	45.7
	54	0.0566	50	101	318	111	1076	151	421	50.5	1452	116
	68	0.0713	50	79.2	519	182	1730	242	739	88.7	2423	194
	97	0.1017	50	54.0	1097	384	3579	501	1698	204	5256	421
8.00	43	0.0451	33	172	122	42.8	431	60.4	126	15.1	522	41.8
	54	0.0566	50	136	305	107	1057	148	357	42.9	1345	108
	68	0.0713	50	107	501	175	1702	238	649	77.8	2272	182
	97	0.1017	50	73.7	1065	373	3532	494	1543	185	4996	400
10.0	54	0.0566	50	172	294	103	1040	146	302	36.2	1252	100
	68	0.0713	50	135	485	170	1678	235	570	68.4	2140	171
	97	0.1017	50	93.3	1037	363	3490	489	1407	169	4769	382
12.0	68	0.0713	50	163	470	165	1656	232	499	59.8	2020	162
	97	0.1017	50	113	1012	354	3453	483	1285	154	4564	365
14.0	68	0.0713	50	191	457	160	1636	229	433	52.0	1911	153
	97	0.1017	50	133	989	346	3418	479	1173	141	4377	350

NOTES:

1. Factored end one flange web crippling resistance (EOF), $P_{reo} = P_{eo1} + P_{eo2}[N/t]^{1/2}$
2. Factored interior one flange web crippling resistance (IOF), $P_{rio} = P_{io1} + P_{io2}[N/t]^{1/2}$
3. Factored end two flange web crippling resistance (ETF), $P_{ret} = P_{et1} + P_{et2}[N/t]^{1/2}$
4. Factored interior two flange web crippling resistance (ITF), $P_{rit} = P_{it1} + P_{it2}[N/t]^{1/2}$

FACTORED WEB CRIPPLING DATA FOR BACK TO BACK WEB MEMBERS (Imperial)

Section Depth (in.)	Designation Thickness (mil)	Base Design Thickness (in.)	F _y (ksi)	h/t	FACTORED WEB CRIPPLING DATA (lb)							
					EOF		IOF		ETF		ITF	
					P _{eo1}	P _{eo2}	P _{io1}	P _{io2}	P _{et1}	P _{et2}	P _{it1}	P _{it2}
3.625	33	0.0346	33	98.3	372	104	899	98.9	384	30.7	1019	81.5
	43	0.0451	33	75.2	658	184	1609	177	723	57.9	1951	156
	54	0.0566	50	59.0	1580	443	3870	426	1836	147	4964	397
	68	0.0713	50	45.8	2510	703	6147	676	3067	245	8293	663
	97	0.1017	50	30.6	5113	1432	12522	1377	6664	533	18014	1441
4.00	33	0.0346	33	109	372	104	898	98.8	371	29.6	983	78.7
	43	0.0451	33	83.5	658	184	1608	177	703	56.2	1895	152
	54	0.0566	50	65.7	1580	442	3868	426	1792	143	4843	388
	68	0.0713	50	51.1	2509	703	6145	676	3004	240	8121	650
	97	0.1017	50	34.3	5112	1431	12517	1377	6553	524	17715	1417
6.00	33	0.0346	33	167	371	104	896	98.6	308	24.6	816	65.3
	43	0.0451	33	128	656	184	1605	177	606	48.5	1636	131
	54	0.0566	50	101	1577	441	3861	425	1585	127	4286	343
	68	0.0713	50	79.2	2505	701	6134	675	2710	217	7325	586
	97	0.1017	50	54.0	5104	1429	12499	1375	6043	483	16337	1307
8.00	43	0.0451	33	172	655	183	1602	176	526	42.1	1419	114
	54	0.0566	50	136	1574	441	3854	424	1413	113	3819	306
	68	0.0713	50	107	2501	700	6125	674	2465	197	6663	533
	97	0.1017	50	73.7	5098	1427	12483	1373	5620	450	15194	1216
	54	0.0566	50	172	1572	440	3849	423	1262	101	3411	273
10.0	68	0.0713	50	135	2498	699	6117	673	2250	180	6082	487
	97	0.1017	50	93.3	5092	1426	12470	1372	5251	420	14197	1136
	68	0.0713	50	163	2495	699	6110	672	2056	165	5559	445
12.0	97	0.1017	50	113	5087	1424	12457	1370	4920	394	13300	1064
14.0	68	0.0713	50	191	2492	698	6103	671	1879	150	5080	406
	97	0.1017	50	133	5083	1423	12446	1369	4616	369	12478	998

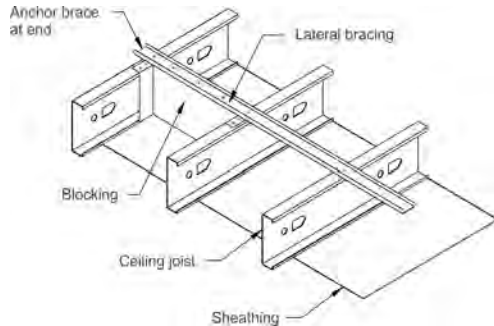
NOTES:

1. Factored end one flange web crippling resistance (EOF), $P_{reo} = P_{eo1} + P_{eo2}[N/t]^{1/2}$
2. Factored interior one flange web crippling resistance (IOF), $P_{rio} = P_{io1} + P_{io2}[N/t]^{1/2}$
3. Factored end two flange web crippling resistance (ETF), $P_{ret} = P_{et1} + P_{et2}[N/t]^{1/2}$
4. Factored interior two flange web crippling resistance (ITF), $P_{rit} = P_{it1} + P_{it2}[N/t]^{1/2}$

S-Section Ceiling Span Tables

Table Notes

- 1 Values are for simple span conditions.
- 2 For "Unbraced" case, the factored moment resistance is based on Sections F2 and F3 of S136-16 with the unbraced length assumed to be the listed span.
- 3 For "Midspan" braced case, the factored moment resistance is based on Sections F2 and F3 of S136-16 with the unbraced length assumed to be half of the listed span.
- 4 Web crippling check is based on 1" of bearing at end supports.
- 5 Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near supports, members must be checked for reduced shear and web crippling in accordance with S136-16.



LIMITING CEILING SPANS (ft) - L/240

Specified dead load		4 psf						6 psf						13 psf					
Stud Designation	F _y (ksi)	Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan		
		Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
162S125-18	33	7' 11"	7' 4"	6' 7"	8' 3"	7' 5"	6' 5"	7' 1"	6' 7"	5' 9"	7' 2"	6' 5"	5' 7"	5' 7"	5' 1"	4' 5"	5' 6"	5' 0"	4' 4"
162S125-33	33	10' 0"	9' 2"	8' 2"	10' 3"	9' 4"	8' 1"	8' 11"	8' 2"	7' 1"	8' 11"	8' 1"	7' 1"	6' 11"	6' 3"	5' 6"	6' 11"	6' 3"	5' 6"
250S125-18	33	8' 11"	8' 3"	7' 5"	11' 6"	10' 5"	9' 0"	8' 0"	7' 5"	6' 8"	10' 0"	9' 0"	7' 10"	6' 6"	6' 1"	5' 5" e	7' 7"	6' 11" e	5' 11" e
250S125-33	33	11' 0"	10' 2"	9' 0"	14' 3"	12' 11"	11' 3"	9' 10"	9' 0"	8' 1"	12' 5"	11' 3"	9' 10"	7' 10"	7' 3"	6' 6"	9' 7"	8' 8"	7' 7"
250S125-43	33	12' 5"	11' 5"	10' 1"	15' 6"	14' 0"	12' 3"	11' 0"	10' 1"	8' 11"	13' 6"	12' 3"	10' 9"	8' 9"	8' 0"	7' 2"	10' 5"	9' 6"	8' 3"
362S125-18	33	10' 0"	9' 3"	8' 4"	13' 4"	12' 3"	10' 8"	9' 0"	8' 4"	7' 6"	11' 9"	10' 8"	9' 2" e	7' 4"	6' 10" e	6' 2" e	8' 11" e	7' 11" e	6' 7" e
362S125-33	33	12' 1"	11' 2"	10' 0"	16' 11"	15' 7"	13' 11"	10' 9"	10' 0"	8' 11"	15' 1"	13' 11"	12' 6"	8' 9"	8' 1"	7' 3"	12' 2"	11' 2"	9' 7"
362S125-43	33	13' 6"	12' 4"	11' 0"	18' 8"	17' 2"	15' 4"	11' 11"	11' 0"	9' 9"	16' 8"	15' 4"	13' 9"	9' 7"	8' 10"	7' 10"	13' 5"	12' 4"	10' 10"
362S162-33	33	15' 6"	14' 4"	12' 10"	20' 9"	18' 10"	16' 6"	13' 10"	12' 10"	11' 6"	18' 2"	16' 6"	14' 5"	11' 3"	10' 5"	9' 5"	14' 0"	12' 9"	11' 1"
362S162-43	33	17' 1"	15' 9"	14' 0"	22' 7"	20' 6"	17' 11"	15' 2"	14' 0"	12' 6"	19' 9"	17' 11"	15' 8"	12' 3"	11' 4"	10' 2"	15' 3"	13' 10"	12' 1"
400S125-18	33	10' 3"	9' 6"	8' 7"	13' 9"	12' 7"	11' 1"	9' 3"	8' 7"	7' 9"	12' 2"	11' 1"	9' 7" e	7' 7"	7' 0" e	6' 4" e	9' 3" e	8' 3" e	6' 11" e
400S125-33	33	12' 5"	11' 5"	10' 3"	17' 5"	16' 1"	14' 4"	11' 1"	10' 3"	9' 2"	15' 6"	14' 4"	12' 10"	9' 0"	8' 4"	7' 5"	12' 6"	11' 6"	10' 0"
400S125-43	33	13' 9"	12' 8"	11' 3"	19' 2"	17' 8"	15' 9"	12' 3"	11' 3"	10' 0"	17' 1"	15' 9"	14' 1"	9' 10"	9' 1"	8' 1"	13' 9"	12' 8"	11' 2"
400S162-33	33	15' 10"	14' 8"	13' 2"	22' 5"	20' 4"	17' 9"	14' 3"	13' 2"	11' 10"	19' 7"	17' 9"	15' 6"	11' 7"	10' 9"	9' 8"	15' 1"	13' 9"	12' 0"
400S162-43	33	17' 6"	16' 1"	14' 4"	24' 5"	22' 2"	19' 4"	15' 7"	14' 4"	12' 10"	21' 4"	19' 4"	16' 11"	12' 7"	11' 7"	10' 5"	16' 6"	14' 11"	13' 1"
600S125-33	33	13' 10"	12' 9"	11' 6"	19' 10"	18' 5"	16' 6"	12' 5"	11' 6"	10' 4"	17' 10"	16' 6"	14' 10"	10' 1"	9' 4"	8' 5"	14' 6"	13' 5"	12' 0"
600S125-43	33	15' 2"	14' 0"	12' 6"	21' 6"	19' 10"	17' 10"	13' 6"	12' 6"	11' 2"	19' 3"	17' 10"	16' 0"	10' 11"	10' 1"	9' 1"	15' 8"	14' 6"	13' 1"
600S162-33	33	17' 8"	16' 5"	14' 9"	25' 6"	23' 8"	21' 4"	15' 11"	14' 9"	13' 3"	23' 0"	21' 4"	19' 3"	13' 0"	12' 1"	10' 10"	18' 10"	17' 6"	15' 7" e
600S162-43	33	19' 4"	17' 10"	16' 0"	27' 6"	25' 6"	22' 11"	17' 3"	16' 0"	14' 4"	24' 9"	22' 11"	20' 8"	14' 0"	13' 0"	11' 8"	20' 3"	18' 9"	16' 10"

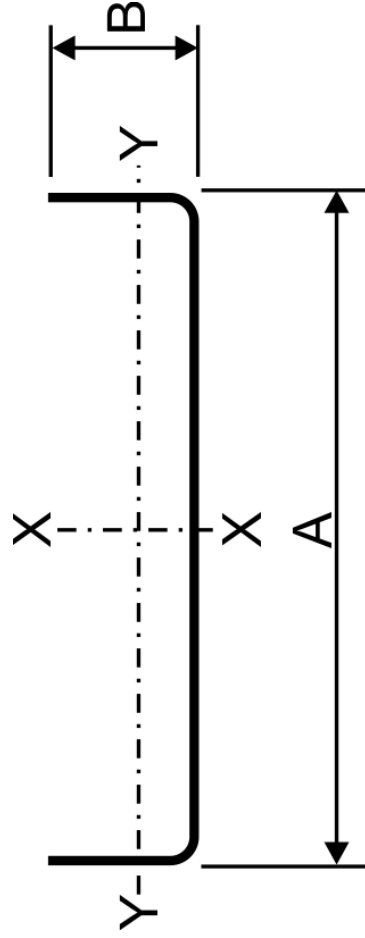
NOTE: "e" indicates that web stiffeners are required at ends.

LIMITING CEILING SPANS (ft) - L/360

Specified dead load		4 psf						6 psf						13 psf					
Stud Designation	F _y (ksi)	Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan		
		Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.			Joist Spacing (in.) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
162S125-18	33	7' 5"	6' 8"	5' 10"	7' 2"	6' 6"	5' 8"	6' 5"	5' 10"	5' 0"	6' 3"	5' 8"	4' 11"	4' 11"	4' 5"	3' 10"	4' 9"	4' 4"	3' 9"
162S125-33	33	9' 0"	8' 2"	7' 1"	9' 0"	8' 1"	7' 1"	7' 10"	7' 1"	6' 3"	7' 10"	7' 1"	6' 2"	6' 0"	5' 6"	4' 9"	6' 0"	5' 6"	4' 9"
250S125-18	33	8' 11"	8' 3"	7' 5"	10' 1"	9' 1"	7' 10"	8' 0"	7' 5"	6' 8"	8' 9"	7' 10"	6' 10"	6' 6"	6' 1"	5' 4" e	6' 8"	6' 0"	5' 3" e
250S125-33	33	11' 0"	10' 2"	9' 0"	12' 5"	11' 3"	9' 10"	9' 10"	9' 0"	8' 1"	10' 10"	9' 10"	8' 7"	7' 10"	7' 3"	6' 6"	8' 4"	7' 7"	6' 7"
250S125-43	33	12' 5"	11' 5"	10' 1"	13' 6"	12' 3"	10' 9"	11' 0"	10' 1"	8' 11"	11' 9"	10' 9"	9' 4"	8' 9"	8' 0"	7' 2"	9' 1"	8' 3"	7' 3"
362S125-18	33	10' 0"	9' 3"	8' 4"	13' 4"	12' 3"	10' 7"	9' 0"	8' 4"	7' 6"	11' 8"	10' 7"	9' 2" e	7' 4"	6' 10" e	6' 2" e	8' 11" e	7' 11" e	6' 7" e
362S125-33	33	12' 1"	11' 2"	10' 0"	16' 7"	15' 1"	13' 2"	10' 9"	10' 0"	8' 11"	14' 6"	13' 2"	11' 6"	8' 9"	8' 1"	7' 3"	11' 2"	10' 1"	8' 10"
362S125-43	33	13' 6"	12' 4"	11' 0"	18' 0"	16' 4"	14' 4"	11' 11"	11' 0"	9' 9"	15' 9"	14' 4"	12' 6"	9' 7"	8' 10"	7' 10"	12' 2"	11' 0"	9' 8"
362S162-33	33	15' 6"	14' 4"	12' 10"	18' 2"	16' 6"	14' 5"	13' 10"	12' 10"	11' 6"	15' 10"	14' 5"	12' 7"	11' 3"	10' 5"	9' 5"	12' 3"	11' 1"	9' 8"
362S162-43	33	17' 1"	15' 9"	14' 0"	19' 9"	17' 11"	15' 8"	15' 2"	14' 0"	12' 6"	17' 3"	15' 8"	13' 8"	12' 3"	11' 4"	10' 2"	13' 4"	12' 1"	10' 7"
400S125-18	33	10' 3"	9' 6"	8' 7"	13' 9"	12' 7"	11' 1"	9' 3"	8' 7"	7' 9"	12' 2"	11' 1"	9' 7" e	7' 7"	7' 0" e	6' 4" e	9' 3" e	8' 3" e	6' 11" e
400S125-33	33	12' 5"	11' 5"	10' 3"	17' 5"	16' 1"	14' 3"	11' 1"	10' 3"	9' 2"	15' 6"	14' 3"	12' 5"	9' 0"	8' 4"	7' 5"	12' 1"	10' 11"	9' 6"
400S125-43	33	13' 9"	12' 8"	11' 3"	19' 2"	17' 8"	15' 5"	12' 3"	11' 3"	10' 0"	17' 0"	15' 5"	13' 6"	9' 10"	9' 1"	8' 1"	13' 2"	11' 11"	10' 5"
400S162-33	33	15' 10"	14' 8"	13' 2"	19' 7"	17' 9"	15' 6"	14' 3"	13' 2"	11' 10"	17' 1"	15' 6"	13' 7"	11' 7"	10' 9"	9' 8"	13' 2"	12' 0"	10' 6"
400S162-43	33	17' 6"	16' 1"	14' 4"	21' 4"	19' 4"	16' 11"	15' 7"	14' 4"	12' 10"	18' 7"	16' 11"	14' 9"	12' 7"	11' 7"	10' 5"	14' 4"	13' 1"	11' 5"
600S125-33	33	13' 10"	12' 9"	11' 6"	19' 10"	18' 5"	16' 6"	12' 5"	11' 6"	10' 4"	17' 10"	16' 6"	14' 10"	10' 1"	9' 4"	8' 5"	14' 6"	13' 5"	12' 0"
600S125-43	33	15' 2"	14' 0"	12' 6"	21' 6"	19' 10"	17' 10"	13' 6"	12' 6"	11' 2"	19' 3"	17' 10"	16' 0"	10' 11"	10' 1"	9' 1"	15' 8"	14' 6"	13' 1"
600S162-33	33	17' 8"	16' 5"	14' 9"	25' 6"	23' 8"	21' 4"	15' 11"	14' 9"	13' 3"	23' 0"	21' 4"	18' 8"	13' 0"	12' 1"	10' 10"	18' 2"	16' 6"	14' 5" e
600S162-43	33	19' 4"	17' 10"	16' 0"	27' 6"	25' 6"	22' 11"	17' 3"	16' 0"	14' 4"	24' 9"	22' 11"	20' 4"	14' 0"	13' 0"	11' 8"	19' 9"	18' 0"	15' 8"

NOTE: "e" indicates that web stiffeners are required at ends.

U-Channel Section Properties



Note: Inside bend radius taken as 3/32"

Section Designation	Base Design Thickness (in.)	Depth A (in.)	Flange B (in.)	F _y (ksi)	GROSS						EFFECTIVE			
					Weight (lb/ft)	Area (in. ²)	I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	V _{rg} (kip)	I _{xd} (in. ⁴)	S _{xe} (in. ³)	M _{rx} (k-in.)
75U50-54	0.0566	0.75	0.50	33	0.296	0.0871	0.00726	0.289	0.00211	0.156	0.419	0.00726	0.0194	0.687
75U50-54	0.0566	0.75	0.50	50	0.296	0.0871	0.00726	0.289	0.00211	0.156	0.634	0.00726	0.0194	1.02
150U50-43	0.0451	1.50	0.50	33	0.357	0.105	0.0324	0.555	0.00226	0.147	0.905	0.0324	0.0431	1.49
150U50-43	0.0451	1.50	0.50	50	0.357	0.105	0.0324	0.555	0.00226	0.147	1.37	0.0324	0.0431	2.21
150U50-54	0.0566	1.50	0.50	33	0.441	0.130	0.0390	0.549	0.00272	0.145	1.09	0.0390	0.0520	1.85
150U50-54	0.0566	1.50	0.50	50	0.441	0.130	0.0390	0.549	0.00272	0.145	1.65	0.0390	0.0520	2.73
150U75-54	0.0566	1.50	0.75	33	0.537	0.158	0.0537	0.583	0.00865	0.234	1.09	0.0537	0.0716	2.41
150U75-54	0.0566	1.50	0.75	50	0.537	0.158	0.0537	0.583	0.00865	0.234	1.65	0.0537	0.0705	3.17
200U50-54	0.0566	2.00	0.50	33	0.158	0.537	0.0796	0.710	0.0029	0.137	1.54	0.0796	0.0796	2.83
250U50-54	0.0566	2.50	0.50	33	0.186	0.634	0.140	0.867	0.00310	0.129	1.99	0.140	0.112	3.98

NOTE: Cold work of forming is applied when applicable.

U-Channel Ceiling Span Tables

Table Notes

- 1 Multiple span indicates two or more equal spans continuous over interior supports.
- 2 Compression flanges assumed unbraced.
- 3 Web crippling based on 3/4" bearing at end and interior supports.

Limiting Ceiling Spans of U-Channels (ft) - L/240

Specified dead loads			4 psf						6 psf						13 psf						15 psf						
Section Designation	F _y (ksi)	Span Type	Spacing (in.) o.c.						Spacing (in.) o.c.						Spacing (in.) o.c.						Spacing (in.) o.c.						
			24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	33	Single	3' 10"	3' 4"	3' 1"	2' 10"	2' 8"	3' 4"	2' 11"	2' 8"	2' 6"	2' 4"	2' 7"	2' 3"	2' 1"	1' 11"	1' 9"	2' 6"	2' 2"	1' 11"	1' 10"	1' 8"	2' 6"	2' 2"	1' 11"	1' 10"	1' 8"
		Multiple	4' 9"	4' 2"	3' 9"	3' 6"	3' 4"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	3' 3"	2' 10"	2' 6"	2' 4"	2' 2"	3' 1"	2' 8"	2' 5"	2' 2"	2' 0"	3' 1"	2' 8"	2' 5"	2' 2"	2' 0"
150U050-54	33	Single	5' 11"	5' 2"	4' 8"	4' 4"	4' 1"	5' 2"	4' 6"	4' 1"	3' 9"	3' 7"	4' 0"	3' 6"	3' 2"	2' 11"	2' 9"	3' 9"	3' 4"	3' 0"	2' 10"	2' 8"	3' 9"	3' 4"	3' 0"	2' 10"	2' 8"
		Multiple	7' 6"	6' 7"	6' 0"	5' 7"	5' 3"	6' 7"	5' 9"	5' 3"	4' 10"	4' 7"	5' 1"	4' 5"	4' 0"	3' 9"	3' 6"	4' 10"	4' 3"	3' 10"	3' 7"	3' 3"	4' 3"	3' 10"	3' 7"	3' 3"	3' 3"
200U050-54	33	Single	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	5' 5"	4' 9"	4' 4"	4' 0"	3' 9"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"
		Multiple	7' 11"	6' 11"	6' 3"	5' 10"	5' 6"	6' 11"	6' 0"	5' 6"	5' 1"	4' 10"	5' 4"	4' 8"	4' 3"	4' 0"	3' 9"	5' 1"	4' 6"	4' 1"	3' 9"	3' 7"	5' 1"	4' 6"	4' 1"	3' 9"	3' 7"
250U050-54	33	Single	6' 5"	5' 7"	5' 1"	4' 9"	4' 6"	5' 7"	4' 11"	4' 6"	4' 2"	3' 11"	4' 4"	3' 10"	3' 6"	3' 3"	3' 1"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"
		Multiple	8' 2"	7' 2"	6' 6"	6' 1"	5' 9"	7' 2"	6' 3"	5' 9"	5' 4"	5' 0"	5' 7"	4' 10"	4' 5"	4' 2"	3' 11"	5' 4"	4' 8"	4' 3"	3' 11"	3' 9"	5' 4"	4' 8"	4' 3"	3' 11"	3' 9"

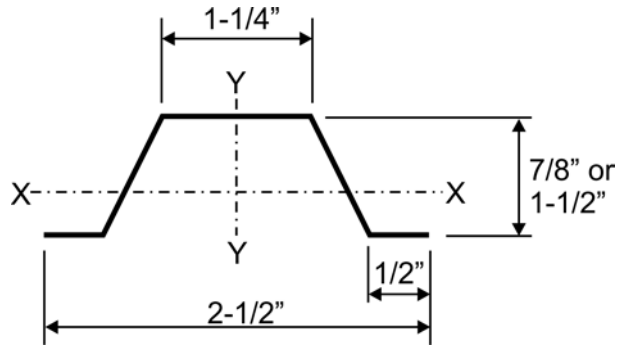
Limiting Ceiling Spans of U-Channels (ft) - L/360

Specified dead loads			4 psf						6 psf						13 psf						15 psf						
Section Designation	F _y (ksi)	Span Type	Spacing (in.) o.c.						Spacing (in.) o.c.						Spacing (in.) o.c.						Spacing (in.) o.c.						
			24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	33	Single	3' 4"	2' 11"	2' 8"	2' 6"	2' 4"	2' 11"	2' 7"	2' 4"	2' 2"	2' 0"	2' 3"	2' 0"	1' 9"	1' 8"	1' 7"	2' 2"	1' 11"	1' 8"	1' 7"	1' 6"	2' 2"	1' 11"	1' 8"	1' 7"	1' 6"
		Multiple	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	3' 8"	3' 2"	2' 11"	2' 8"	2' 6"	2' 10"	2' 5"	2' 3"	2' 1"	1' 11"	2' 8"	2' 4"	2' 1"	2' 0"	1' 10"	2' 8"	2' 4"	2' 1"	2' 0"	1' 10"
150U050-54	33	Single	5' 11"	5' 2"	4' 8"	4' 4"	4' 1"	5' 2"	4' 6"	4' 1"	3' 9"	3' 7"	4' 0"	3' 6"	3' 2"	2' 11"	2' 9"	3' 9"	3' 4"	3' 0"	2' 9"	2' 8"	3' 9"	3' 4"	3' 0"	2' 9"	2' 8"
		Multiple	7' 4"	6' 5"	5' 10"	5' 5"	5' 1"	6' 5"	5' 7"	5' 1"	4' 9"	4' 5"	4' 11"	4' 4"	3' 11"	3' 8"	3' 5"	4' 9"	4' 1"	3' 9"	3' 6"	3' 3"	4' 9"	4' 1"	3' 9"	3' 6"	3' 3"
200U050-54	33	Single	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	5' 5"	4' 9"	4' 4"	4' 0"	3' 9"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"
		Multiple	7' 11"	6' 11"	6' 3"	5' 10"	5' 6"	6' 11"	6' 0"	5' 6"	5' 1"	4' 10"	5' 4"	4' 8"	4' 3"	4' 0"	3' 9"	5' 1"	4' 6"	4' 1"	3' 9"	3' 7"	5' 1"	4' 6"	4' 1"	3' 9"	3' 7"
250U050-54	33	Single	6' 5"	5' 7"	5' 1"	4' 9"	4' 6"	5' 7"	4' 11"	4' 6"	4' 2"	3' 11"	4' 4"	3' 10"	3' 6"	3' 3"	3' 1"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"
		Multiple	8' 2"	7' 2"	6' 6"	6' 1"	5' 9"	7' 2"	6' 3"	5' 9"	5' 4"	5' 0"	5' 7"	4' 10"	4' 5"	4' 2"	3' 11"	5' 4"	4' 8"	4' 3"	3' 11"	3' 9"	5' 4"	4' 8"	4' 3"	3' 11"	3' 9"

Furring Channel Section Properties

Table Notes

- 1 If present, hems and offsets in flanges are ignored.
- 2 Effective properties are the minimum for positive and negative bending.



Section Designation	F _y (ksi)	Base Design Thickness (in.)	Gross						Effective		
			Weight (lb/ft)	Area (in. ²)	I _x (in. ⁴)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	I _{xd} (in. ⁴)	S _{xe} (in. ³)	M _{rx} (k-in.)
087F125-18	33	0.0188	0.245	0.0721	0.00913	0.356	0.0360	0.707	0.00888	0.0162	0.482
087F125-27	33	0.0283	0.366	0.108	0.0133	0.352	0.0535	0.705	0.0133	0.0275	0.816
087F125-30	33	0.0312	0.402	0.118	0.0146	0.351	0.0587	0.705	0.0146	0.0310	0.919
087F125-33	33	0.0346	0.444	0.131	0.0160	0.350	0.0648	0.704	0.0160	0.0343	1.02
087F125-43	33	0.0451	0.573	0.168	0.0201	0.345	0.0832	0.703	0.0201	0.0432	1.28
150F125-18	33	0.0188	0.323	0.0950	0.0315	0.576	0.0466	0.700	0.0308	0.0346	1.03
150F125-27	33	0.0283	0.483	0.142	0.0464	0.572	0.0692	0.698	0.0464	0.0573	1.70
150F125-30	33	0.0312	0.532	0.156	0.0509	0.571	0.0760	0.697	0.0509	0.0644	1.91
150F125-33	33	0.0346	0.588	0.173	0.0560	0.569	0.0838	0.696	0.0560	0.0712	2.11
150F125-43	33	0.0451	0.760	0.224	0.0713	0.565	0.108	0.694	0.0713	0.0907	2.69

Furring Channel Ceiling Span Tables

Table Notes

- 1 Single spans are the minimum span based on moment, shear, web crippling, or deflection.
- 2 Multiple spans are for two or more equal continuous spans with span length measured from support to support.
- 3 Web crippling check is based on a bearing length of 1" at end and interior supports.
- 4 Multiple spans are the minimum span based on moment, shear, web crippling, combined bending and shear, combined bending and web crippling, or deflection.

Limiting Ceiling Spans of Furring Channels (ft) - L/240

Specified dead loads			4 psf			6 psf			13 psf		
Section Designation	F _y (ksi)	Span Type	Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	5' 3"	4' 9"	4' 2"	4' 7"	4' 2"	3' 7"	3' 6"	3' 2"	2' 9"
	33	Multiple	6' 5"	5' 10"	5' 1"	5' 8"	5' 1"	4' 6"	4' 4"	3' 10"	3' 1"
087F125-27	33	Single	6' 0"	5' 5"	4' 9"	5' 3"	4' 9"	4' 2"	4' 0"	3' 8"	3' 2"
	33	Multiple	7' 5"	6' 9"	5' 10"	6' 6"	5' 10"	5' 1"	5' 0"	4' 6"	3' 11"
087F125-30	33	Single	6' 2"	5' 7"	4' 11"	5' 4"	4' 11"	4' 3"	4' 2"	3' 9"	3' 3"
	33	Multiple	7' 7"	6' 11"	6' 0"	6' 8"	6' 0"	5' 3"	5' 2"	4' 8"	4' 1"
087F125-33	33	Single	6' 4"	5' 9"	5' 0"	5' 6"	5' 0"	4' 5"	4' 3"	3' 11"	3' 5"
	33	Multiple	7' 10"	7' 2"	6' 3"	6' 10"	6' 3"	5' 5"	5' 3"	4' 10"	4' 2"
087F125-43	33	Single	6' 10"	6' 3"	5' 5"	6' 0"	5' 5"	4' 9"	4' 7"	4' 2"	3' 8"
	33	Multiple	8' 6"	7' 9"	6' 9"	7' 5"	6' 9"	5' 10"	5' 9"	5' 2"	4' 6"
150F125-18	33	Single	7' 11"	7' 2"	6' 3"	6' 11"	6' 3"	5' 6"	5' 4"	4' 10"	4' 3"
	33	Multiple	9' 9"	8' 11"	7' 9"	8' 7"	7' 9"	6' 9"	6' 6"	5' 7"	4' 7"
150F125-27	33	Single	9' 1"	8' 3"	7' 2"	7' 11"	7' 2"	6' 3"	6' 1"	5' 7"	4' 10"
	33	Multiple	11' 3"	10' 2"	8' 11"	9' 10"	8' 11"	7' 9"	7' 7"	6' 11"	5' 10"
150F125-30	33	Single	9' 4"	8' 6"	7' 5"	8' 2"	7' 5"	6' 6"	6' 4"	5' 9"	5' 0"
	33	Multiple	11' 7"	10' 6"	9' 2"	10' 1"	9' 2"	8' 0"	7' 10"	7' 1"	6' 2"
150F125-33	33	Single	9' 8"	8' 9"	7' 8"	8' 5"	7' 8"	6' 8"	6' 6"	5' 11"	5' 2"
	33	Multiple	12' 0"	10' 10"	9' 6"	10' 5"	9' 6"	8' 3"	8' 1"	7' 4"	6' 5"
150F125-43	33	Single	10' 6"	9' 6"	8' 4"	9' 2"	8' 4"	7' 3"	7' 1"	6' 5"	5' 7"
	33	Multiple	13' 0"	11' 9"	10' 3"	11' 4"	10' 3"	9' 0"	8' 9"	7' 11"	6' 11"

Limiting Ceiling Spans of Furring Channels (ft) - L/360

Specified dead loads			4 psf			6 psf			13 psf		
Section Designation	F _y (ksi)	Span Type	Spacing (in.) o.c.			Spacing (in.) o.c.			Spacing (in.) o.c.		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	4' 7"	4' 2"	3' 7"	4' 0"	3' 7"	3' 2"	3' 1"	2' 9"	2' 5"
	33	Multiple	5' 8"	5' 1"	4' 6"	4' 11"	4' 6"	3' 11"	3' 9"	3' 5"	3' 0"
087F125-27	33	Single	5' 3"	4' 9"	4' 2"	4' 7"	4' 2"	3' 7"	3' 6"	3' 2"	2' 9"
	33	Multiple	6' 6"	5' 10"	5' 1"	5' 8"	5' 1"	4' 6"	4' 4"	3' 11"	3' 5"
087F125-30	33	Single	5' 4"	4' 11"	4' 3"	4' 8"	4' 3"	3' 9"	3' 7"	3' 3"	2' 10"
	33	Multiple	6' 8"	6' 0"	5' 3"	5' 10"	5' 3"	4' 7"	4' 6"	4' 1"	3' 6"
087F125-33	33	Single	5' 6"	5' 0"	4' 5"	4' 10"	4' 5"	3' 10"	3' 9"	3' 5"	2' 11"
	33	Multiple	6' 10"	6' 3"	5' 5"	6' 0"	5' 5"	4' 9"	4' 7"	4' 2"	3' 8"
087F125-43	33	Single	6' 0"	5' 5"	4' 9"	5' 3"	4' 9"	4' 2"	4' 0"	3' 8"	3' 2"
	33	Multiple	7' 5"	6' 9"	5' 10"	6' 6"	5' 10"	5' 1"	5' 0"	4' 6"	3' 11"
150F125-18	33	Single	6' 11"	6' 3"	5' 6"	6' 0"	5' 6"	4' 9"	4' 8"	4' 3"	3' 8"
	33	Multiple	8' 7"	7' 9"	6' 9"	7' 6"	6' 9"	5' 11"	5' 9"	5' 3"	4' 7"
150F125-27	33	Single	7' 11"	7' 2"	6' 3"	6' 11"	6' 3"	5' 6"	5' 4"	4' 10"	4' 3"
	33	Multiple	9' 10"	8' 11"	7' 9"	8' 7"	7' 9"	6' 9"	6' 7"	6' 0"	5' 3"
150F125-30	33	Single	8' 2"	7' 5"	6' 6"	7' 2"	6' 6"	5' 8"	5' 6"	5' 0"	4' 4"
	33	Multiple	10' 1"	9' 2"	8' 0"	8' 10"	8' 0"	7' 0"	6' 10"	6' 2"	5' 5"
150F125-33	33	Single	8' 5"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	5' 8"	5' 2"	4' 6"
	33	Multiple	10' 5"	9' 6"	8' 3"	9' 1"	8' 3"	7' 3"	7' 0"	6' 5"	5' 7"
150F125-43	33	Single	9' 2"	8' 4"	7' 3"	8' 0"	7' 3"	6' 4"	6' 2"	5' 7"	4' 11"
	33	Multiple	11' 4"	10' 3"	9' 0"	9' 11"	9' 0"	7' 10"	7' 8"	6' 11"	6' 1"

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