



STEEL FRAMING

BUILDSMART®

Structural Framing Products Catalog

Structural Stud and Track



Equivalent Framing Products Catalog

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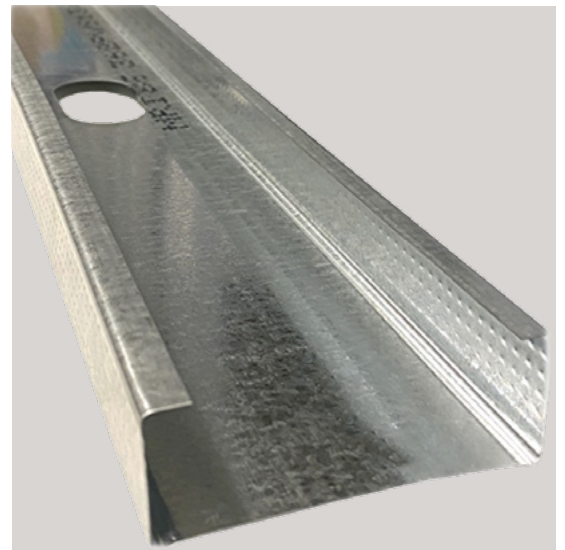
Product Overview

Since 2004, **MRI Steel Framing** has been a leading manufacturer of heavy duty, traditional and equivalent flat-steel framing components. We are a proud American owned and operated company led by a management team with over 150 years of combined industry knowledge and experience. Our entire line of cold formed steel framing components are designed and manufactured by the finest team of professionals in the framing industry. Supported by numerous certifications in quality and safety, you can depend upon **MRI Steel Framing's** products.

This catalog is designed to help you understand and select the best products for your construction project. MRI structural products are manufactured in various thicknesses from 20 gauge structural (33mils) to 10 gauge (118mils) with yield points of 33ksi for 20 and 18 gauge material and 50ksi for 16 gauge and heavier. All structural products have a minimum protective coating of G60, however, G90 coatings are available upon request.

MRI has made a concerted effort to ensure the accuracy of the information represented in this catalog. However, this information should not be used in design or construction without an independent evaluation by a qualified engineer or architect. This publication contains the latest information available at the time of printing.

MRI reserves the right to make modifications and/or change materials of any product without prior notice or obligation.





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MRI Steel Framing building products are manufactured to meet or exceed all applicable standards including:

AISI S100-2016. North American Specification for the Design of Cold-Formed Steel Structural Members.

IBC 2018. International Building Code – 2018.

AISI S220-2015. North American Standard for Cold-Formed Steel Framing – Nonstructural Members.

ASTM A1003. Standard Specification for Steel Sheet, Carbon, Metallic and Nonmetallic Coated for Cold Formed Framing Members.

ASTM A653. Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

ASTM C645. Standard Specification for Nonstructural Steel Framing Members.

ASTM C754. Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.

ASTM E72. Standard Test Methods of Conducting Strength Tests of Panels for Building Construction.

ASTM E90. Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.

LEED® v4 Information:

- EPD (SCS-EPD-07103)
- HPD (27459)
- SDS Sheets

For more Leed® details contact MRI Customer Service.

MRI Steel Framing products are also listed in the following:

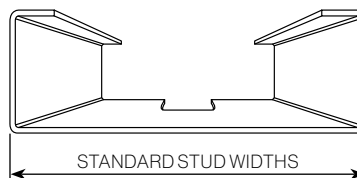
- ICC ES Evaluation Report ESR-4205
- CCRR-0224 (through association with SFIA)
- UL Fire Listed through the SFIA

MRI Steel Framing Products are Certified

MRI Steel Framing is a proud member of the SFIA (Steel Framing Industry Association) and the products included in the catalog are certified by the SFIA to ensure consistent quality and compliance to all applicable industry standards via unannounced 3rd party independent testing.

MRI Steel Framing Structural Stud Profile

Standard Structural Stud



General Product Type Information

Member/Web Measurement		Product Style	Flange/Leg Measurement		Material Thickness
600		S	162 - 54		
Web Measurement	Product Style	Flange/Leg Measurement	(Mils)	Material Thickness	
				Design Thickness (in)	Minimum Thickness (in)
250 = 2.5"	S = Stud	125 = 1.25"	33	0.0346	0.0329
350 = 3.5"	T = Track	137 = 1.375"	43	0.0451	0.0428
362 = 3.625"	SLT = Slotted Track	150 = 1.5"	54	0.0566	0.0538
400 = 4.0"		162 = 1.625"	68	0.0713	0.0677
550 = 5.5"		200 = 2.0"	97	0.1017	0.0966
600 = 6.0"		250 = 2.5"	118	0.1242	0.1180
800 = 8.0"		300 = 3.0"			
1000 = 10.0"		350 = 3.5"			
1200 = 12.0"		400 = 4.0"			
1400 = 14.0"					
1600 = 16.0"					

General Product Types and Thickness						
Gauge	Yield (F _y) (KSI)	Designation Thickness ¹ (mils)	Design Thickness (in)	Minimum Thickness (in)	Design Inside Corner Radii ² (in)	Color
20ga ST	55	33	0.0346	0.0329	0.0765	White
18ga	43	43	0.0451	0.0428	0.0712	Yellow
16ga	33	54	0.0566	0.0538	0.0849	Green
14ga	33	68	0.0713	0.0677	0.1070	Orange
12ga	33	97	0.1017	0.0966	0.1526	Red
10ga	33	118	0.1242	0.1180	0.1863	Blue

Product Lengths			
Leg / Flange Width		Design Lip Length	
(Section)	(in)	(in)	(Fraction)
S137	1-3/8	0.375	3/8"
S162	1-5/8	0.500	1/2"
S200	2.0	0.625	5/8"
S250	2-1/2	0.625	5/8"
S300	3.0	0.625	5/8"
S350	3-1/2	1.000	1"
S400	4.0	1.000	1"

1 Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the jobsite based on section A2.4 of the AISI S100-16.

2 The tables in this catalog are calculated based on inside corner radii listed in this table.

Slotted Deflection Track

General Product Information

Deflection track may be required at the top of a wall to allow the wall stud to float within the top track legs. This allows for a vertical live load movement of the primary structure. A gap is provided between the end of the stud and the track to allow this movement. MRI Steel Framing deflection track is available with leg lengths of 2-1/2", 3" and 3-1/2".

Product/Web Sizes (nominal):

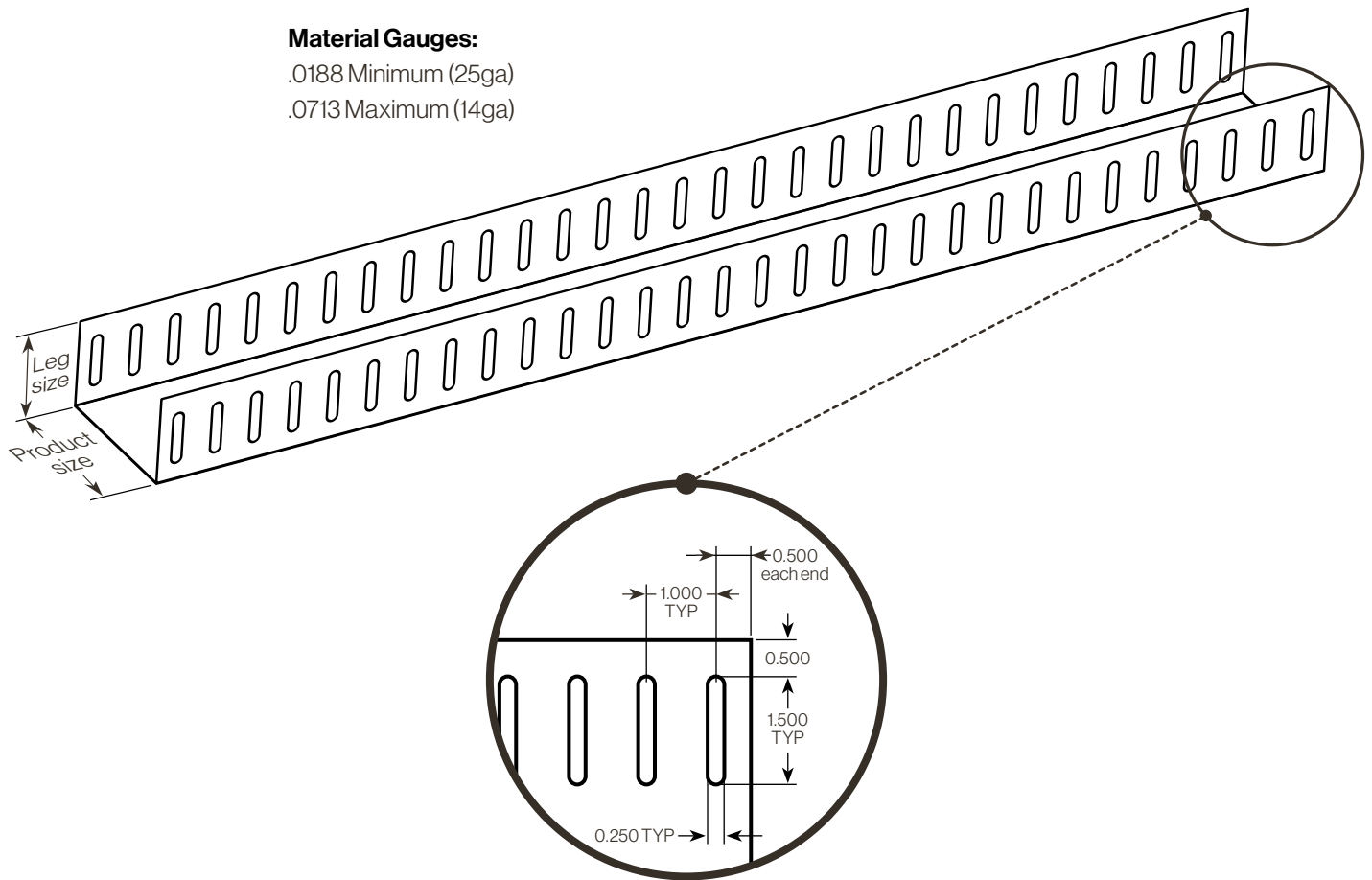
2.50" Minimum
16.00" Maximum

Leg / Slot Sizes:

2.50" / 1.50"
3.00" / 2.00"
3.50" / 2.50"
4.00" / 3.00"

Material Gauges:

.0188 Minimum (25ga)
.0713 Maximum (14ga)



Note: Detail represents 2-1/2" track

General Product Information

Slotted Deflection Track								
Part Number	Leg Size	Slot Size	Web Size	Gauge	Design Thickness	Minimum Thickness	Yield (KSI)	Coating
250SLT250-33	2-1/2"	1-1/2"	2-1/2"	20 (structural)	.0346"	.0329"	33	G60
250SLT250-43	2-1/2"	1-1/2"	2-1/2"	18	.0451"	.0428"	33	G60
250SLT250-54	2-1/2"	1-1/2"	2-1/2"	16	.0566"	.0538"	50	G60
250SLT250-68	2-1/2"	1-1/2"	2-1/2"	14	.0713"	.0677"	50	G60
362SLT250-33	2-1/2"	1-1/2"	3-5/8"	20 (structural)	.0346"	.0329"	33	G60
362SLT250-43	2-1/2"	1-1/2"	3-5/8"	18	.0451"	.0428"	33	G60
362SLT250-54	2-1/2"	1-1/2"	3-5/8"	16	.0566"	.0538"	50	G60
362SLT250-68	2-1/2"	1-1/2"	3-5/8"	14	.0713"	.0677"	50	G60
362SLT300-33	3"	2"	3-5/8"	20 (structural)	.0346"	.0329"	33	G60
362SLT300-43	3"	2"	3-5/8"	18	.0451"	.0428"	33	G60
362SLT300-54	3"	2"	3-5/8"	16	.0566"	.0538"	50	G60
362SLT300-68	3"	2"	3-5/8"	14	.0713"	.0677"	50	G60
362SLT350-33	3-1/2"	2-1/2"	3-5/8"	20 (structural)	.0346"	.0329"	33	G60
362SLT350-43	3-1/2"	2-1/2"	3-5/8"	18	.0451"	.0428"	33	G60
362SLT350-54	3-1/2"	2-1/2"	3-5/8"	16	.0566"	.0538"	50	G60
362SLT350-68	3-1/2"	2-1/2"	3-5/8"	14	.0713"	.0677"	50	G60
400SLT250-33	2-1/2"	1-1/2"	4"	20 (structural)	.0346"	.0329"	33	G60
400SLT250-43	2-1/2"	1-1/2"	4"	18	.0451"	.0428"	33	G60
400SLT250-54	2-1/2"	1-1/2"	4"	16	.0566"	.0538"	50	G60
400SLT250-68	2-1/2"	1-1/2"	4"	14	.0713"	.0677"	50	G60
400SLT300-33	3"	2"	4"	20 (structural)	.0346"	.0329"	33	G60
400SLT300-43	3"	2"	4"	18	.0451"	.0428"	33	G60
400SLT300-54	3"	2"	4"	16	.0566"	.0538"	50	G60
400SLT300-68	3"	2"	4"	14	.0713"	.0677"	50	G60
400SLT350-33	3-1/2"	2-1/2"	4"	20 (structural)	.0346"	.0329"	33	G60
400SLT350-43	3-1/2"	2-1/2"	4"	18	.0451"	.0428"	33	G60
400SLT350-54	3-1/2"	2-1/2"	4"	16	.0566"	.0538"	50	G60
400SLT350-68	3-1/2"	2-1/2"	4"	14	.0713"	.0677"	50	G60
600SLT250-33	2-1/2"	1-1/2"	6"	20 (structural)	.0346"	.0329"	33	G60
600SLT250-43	2-1/2"	1-1/2"	6"	18	.0451"	.0428"	33	G60
600SLT250-54	2-1/2"	1-1/2"	6"	16	.0566"	.0538"	50	G60
600SLT250-68	2-1/2"	1-1/2"	6"	14	.0713"	.0677"	50	G60
600SLT300-33	3"	2"	6"	20 (structural)	.0346"	.0329"	33	G60
600SLT300-43	3"	2"	6"	18	.0451"	.0428"	33	G60
600SLT300-54	3"	2"	6"	16	.0566"	.0538"	50	G60
600SLT300-68	3"	2"	6"	14	.0713"	.0677"	50	G60
600SLT350-33	3-1/2"	2-1/2"	6"	20 (structural)	.0346"	.0329"	33	G60
600SLT350-43	3-1/2"	2-1/2"	6"	18	.0451"	.0428"	33	G60
600SLT350-54	3-1/2"	2-1/2"	6"	16	.0566"	.0538"	50	G60
600SLT350-68	3-1/2"	2-1/2"	6"	14	.0713"	.0677"	50	G60

Slotted Deflection Track

General Product Information

Slotted Deflection Track								
Part Number	Leg Size	Slot Size	Web Size	Gauge	Design Thickness	Minimum Thickness	Yield (KSI)	Coating
800SLT250-33	2-1/2"	1-1/2"	8"	20 (structural)	.0346"	.0329"	33	G60
800SLT250-43	2-1/2"	1-1/2"	8"	18	.0451"	.0428"	33	G60
800SLT250-54	2-1/2"	1-1/2"	8"	16	.0566"	.0538"	50	G60
800SLT250-68	2-1/2"	1-1/2"	8"	14	.0713"	.0677"	50	G60
800SLT300-33	3"	2"	8"	20 (structural)	.0346"	.0329"	33	G60
800SLT300-43	3"	2"	8"	18	.0451"	.0428"	33	G60
800SLT300-54	3"	2"	8"	16	.0566"	.0538"	50	G60
800SLT300-68	3"	2"	8"	14	.0713"	.0677"	50	G60
800SLT350-33	3-1/2"	2-1/2"	8"	20 (structural)	.0346"	.0329"	33	G60
800SLT350-43	3-1/2"	2-1/2"	8"	18	.0451"	.0428"	33	G60
800SLT350-54	3-1/2"	2-1/2"	8"	16	.0566"	.0538"	50	G60
800SLT350-68	3-1/2"	2-1/2"	8"	14	.0713"	.0677"	50	G60
1000SLT250-43	2-1/2"	1-1/2"	10"	18	.0451"	.0428"	33	G60
1000SLT250-54	2-1/2"	1-1/2"	10"	16	.0566"	.0538"	50	G60
1000SLT250-68	2-1/2"	1-1/2"	10"	14	.0713"	.0677"	50	G60
1000SLT300-43	3"	2"	10"	18	.0451"	.0428"	33	G60
1000SLT300-54	3"	2"	10"	16	.0566"	.0538"	50	G60
1000SLT300-68	3"	2"	10"	14	.0713"	.0677"	50	G60
1000SLT350-43	3-1/2"	2-1/2"	10"	18	.0451"	.0428"	33	G60
1000SLT350-54	3-1/2"	2-1/2"	10"	16	.0566"	.0538"	50	G60
1000SLT350-68	3-1/2"	2-1/2"	10"	14	.0713"	.0677"	50	G60
1200SLT250-54	2-1/2"	1-1/2"	12"	16	.0566"	.0538"	50	G60
1200SLT250-68	2-1/2"	1-1/2"	12"	14	.0713"	.0677"	50	G60
1200SLT300-54	3"	2"	12"	16	.0566"	.0538"	50	G60
1200SLT300-68	3"	2"	12"	14	.0713"	.0677"	50	G60
1200SLT350-54	3-1/2"	2-1/2"	12"	16	.0566"	.0538"	50	G60
1200SLT350-68	3-1/2"	2-1/2"	12"	14	.0713"	.0677"	50	G60
1400SLT250-54	2-1/2"	1-1/2"	14"	16	.0566"	.0538"	50	G60
1400SLT250-68	2-1/2"	1-1/2"	14"	14	.0713"	.0677"	50	G60
1400SLT300-54	3"	2"	14"	16	.0566"	.0538"	50	G60
1400SLT300-68	3"	2"	14"	14	.0713"	.0677"	50	G60
1400SLT350-54	3-1/2"	2-1/2"	14"	16	.0566"	.0538"	50	G60
1400SLT350-68	3-1/2"	2-1/2"	14"	14	.0713"	.0677"	50	G60
1600SLT250-54	2-1/2"	1-1/2"	16"	16	.0566"	.0538"	50	G60
1600SLT250-68	2-1/2"	1-1/2"	16"	14	.0713"	.0677"	50	G60
1600SLT300-54	3"	2"	16"	16	.0566"	.0538"	50	G60
1600SLT300-68	3"	2"	16"	14	.0713"	.0677"	50	G60
1600SLT350-54	3-1/2"	2-1/2"	16"	16	.0566"	.0538"	50	G60
1600SLT350-68	3-1/2"	2-1/2"	16"	14	.0713"	.0677"	50	G60

General Notes for All Tables

1. Calculations are based on AISI Standard, North American Specification for the Design of Cold-Formed Steel Structural Members, 2016 edition (AISI S100-16) unless otherwise noted. All calculations are based on allowable strength design (ASD).
2. The strength increase from cold work of forming has been incorporated for flexural strength per AISI S100, A3.3
3. When provided, factory punchouts will be located along the centerline of the webs of the members and will have a minimum center-to-center spacing of 24 inches. Punchouts for members > 2.5 inches deep are a maximum of 1.5 inches wide x 4 inches long. Members with depths 2.5" and smaller are maximum 3/4" wide x 4 inches long.

Definitions of Structural Property Symbols

Gross Properties

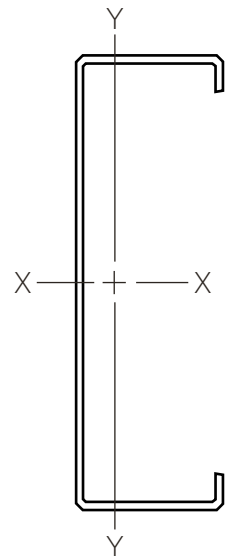
- I_{xx} : Moment of inertia of the gross section about the X-X axis (strong axis).
 S_{xx} : Section modulus of the gross section about the X-X axis (strong axis).
 R_x : Radius of gyration of the gross section about the X-X axis (strong axis).
 I_{yy} : Moment of inertia of the gross section about the Y-Y axis (weak axis).
 R_y : Radius of gyration of the gross section about the Y-Y axis (weak axis).

Effective Properties X-X

- I_{xx} : Effective Moment of inertia for deflection about the X-X axis (strong axis).
 S_{xx} : Effective Section modulus about the X-X axis (strong axis).
 M_{a-L} : Allowable moment at yield, based on local buckling.
 M_{a-D} : Allowable moment based on distortional buckling (AISI S100 F4 and Appendix 2.3.4.3).
 V_{ag} : Allowable strong axis shear away from punchouts, per AISI S100 G2.1
 V_{aNet} : Allowable strong axis shear at a punchout, per AISI S100 G3

Torsional Properties

- J : St. Venant torsional constant.
 C_w : Torsional warping constant.
 X_o : Distance from shear center to the centroid along the principal X-axis.
 m : Distance from shear center to the mid-plane of the web.
 R_o : Polar radius of gyration about the centroidal principal axis.
 β : $1 - (X_o/R_o)^2$
 L_u : The longest weak axis (L_y) and torsional (L_t) unbraced length at which lateral-torsional buckling need not be considered for flexure in accordance with AISI S100 (Commentary F2.1).



Section Properties

Section Properties • Structural Studs																							
Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties							Torsional Properties						L _u (in)
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _{e-L} (in-k)	M _{e-D} (in-k)	V _{ag} (lb)	V _{net} (lb)	Jx1000 (in ⁴)	C (in ²)	X _c (in)	m (in)	R _s (in)	β		
250S137-33	0.0346	33	0.197	0.67	0.203	0.163	1.015	0.052	0.515	0.203	0.158	3.11	2.72	975	399	0.079	0.076	-1.141	0.677	1.612	0.499	35.6	
250S137-43	0.0451	33	0.255	0.87	0.261	0.208	1.011	0.067	0.511	0.261	0.205	4.53	4.03	1265	394	0.173	0.096	-1.129	0.670	1.599	0.501	33.6	
250S137-54	0.0566	33	0.316	1.07	0.318	0.255	1.004	0.080	0.504	0.318	0.255	5.76	5.72	1553	373	0.337	0.115	-1.115	0.663	1.583	0.504	33.4	
250S137-54	0.0566	50	0.316	1.07	0.318	0.255	1.004	0.080	0.504	0.318	0.244	8.22	7.16	2353	565	0.337	0.115	-1.115	0.663	1.583	0.504	27.1	
250S137-68	0.0713	50	0.390	1.33	0.386	0.309	0.995	0.096	0.495	0.386	0.308	10.66	9.42	2866	519	0.661	0.138	-1.096	0.653	1.561	0.507	26.8	
250S162-33	0.0346	33	0.223	0.76	0.235	0.188	1.027	0.087	0.624	0.235	0.180	3.55	3.41	975	399	0.089	0.146	-1.470	0.859	1.898	0.401	44.1	
250S162-43	0.0451	33	0.289	0.98	0.302	0.242	1.022	0.111	0.620	0.302	0.240	5.22	4.72	1265	394	0.196	0.184	-1.457	0.852	1.885	0.402	42.1	
250S162-54	0.0566	33	0.358	1.22	0.370	0.296	1.016	0.135	0.613	0.370	0.296	6.57	6.53	1553	373	0.383	0.223	-1.443	0.845	1.868	0.404	41.8	
250S162-54	0.0566	50	0.358	1.22	0.370	0.296	1.016	0.135	0.613	0.370	0.284	9.42	8.32	2353	565	0.383	0.223	-1.443	0.845	1.868	0.404	33.9	
250S162-68	0.0713	50	0.443	1.51	0.450	0.360	1.008	0.162	0.605	0.450	0.357	12.11	11.97	2866	519	0.752	0.268	-1.424	0.835	1.847	0.405	33.7	
350S162-33	0.0346	33	0.258	0.88	0.508	0.291	1.404	0.098	0.617	0.508	0.257	5.09	5.02	1024	487	0.103	0.277	-1.324	0.796	2.026	0.573	42.7	
350S162-43	0.0451	33	0.334	1.14	0.655	0.374	1.400	0.125	0.612	0.654	0.357	7.05	7.00	1739	631	0.227	0.350	-1.312	0.789	2.014	0.575	42.6	
350S162-54	0.0566	33	0.415	1.41	0.805	0.460	1.393	0.152	0.606	0.804	0.447	8.83	8.84	2253	633	0.443	0.426	-1.298	0.782	1.998	0.578	42.7	
350S162-54	0.0566	50	0.415	1.41	0.805	0.460	1.393	0.152	0.606	0.804	0.426	12.74	12.35	3372	947	0.443	0.426	-1.298	0.782	1.998	0.578	34.5	
350S162-68	0.0713	50	0.515	1.75	0.985	0.563	1.383	0.184	0.597	0.985	0.549	16.44	16.12	4203	897	0.872	0.514	-1.280	0.772	1.977	0.581	34.5	
350S162-97	0.1017	50	0.711	2.42	1.321	0.755	1.363	0.238	0.579	1.321	0.739	26.20	25.89	5705	775	2.452	0.672	-1.242	0.752	1.932	0.587	34.7	
350S200-43	0.0451	33	0.379	1.29	0.771	0.441	1.426	0.224	0.768	0.771	0.410	8.09	8.08	1739	631	0.257	0.687	-1.748	1.032	2.383	0.462	53.7	
350S200-54	0.0566	33	0.471	1.60	0.950	0.543	1.420	0.274	0.762	0.950	0.530	10.48	10.42	2253	633	0.503	0.838	-1.733	1.024	2.367	0.464	53.8	
350S200-54	0.0566	50	0.471	1.60	0.950	0.543	1.420	0.274	0.762	0.950	0.470	14.07	14.26	3372	947	0.503	0.838	-1.733	1.024	2.367	0.464	43.5	
350S200-68	0.0713	50	0.586	1.99	1.167	0.667	1.411	0.333	0.754	1.167	0.638	19.11	18.87	4203	897	0.993	1.018	-1.715	1.014	2.345	0.465	43.5	
350S200-97	0.1017	50	0.813	2.77	1.577	0.901	1.393	0.440	0.736	1.577	0.885	30.53	28.42	5705	775	2.803	1.347	-1.676	0.994	2.300	0.469	43.9	
362S137-33	0.0346	33	0.236	0.80	0.479	0.264	1.424	0.059	0.501	0.479	0.232	4.59	4.45	1024	521	0.094	0.165	-1.003	0.615	1.813	0.694	34.7	
362S137-43	0.0451	33	0.306	1.04	0.616	0.340	1.419	0.075	0.497	0.616	0.320	6.33	6.26	1739	676	0.207	0.208	-0.991	0.608	1.801	0.697	34.6	
362S137-54	0.0566	33	0.379	1.29	0.756	0.417	1.412	0.091	0.490	0.756	0.402	7.95	7.98	2341	705	0.405	0.251	-0.978	0.601	1.786	0.700	34.6	
362S137-54	0.0566	50	0.379	1.29	0.756	0.417	1.412	0.091	0.490	0.756	0.382	11.42	11.07	3372	1016	0.405	0.251	-0.978	0.601	1.786	0.700	27.9	
362S137-68	0.0713	50	0.470	1.60	0.923	0.509	1.401	0.109	0.481	0.923	0.493	14.77	13.87	4370	1004	0.797	0.302	-0.959	0.592	1.765	0.704	27.8	
362S162-33	0.0346	33	0.262	0.89	0.551	0.304	1.450	0.099	0.616	0.551	0.268	5.29	5.20	1024	521	0.105	0.297	-1.308	0.789	2.048	0.592	42.6	
362S162-43	0.0451	33	0.340	1.16	0.710	0.392	1.445	0.127	0.611	0.710	0.372	7.34	7.29	1739	676	0.230	0.376	-1.297	0.782	2.036	0.594	42.5	
362S162-54	0.0566	33	0.422	1.44	0.873	0.482	1.438	0.154	0.605	0.873	0.467	9.22	9.27	2341	705	0.451	0.457	-1.283	0.774	2.020	0.597	42.5	
362S162-54	0.0566	50	0.422	1.44	0.873	0.482	1.438	0.154	0.605	0.873	0.444	13.28	12.87	3372	1016	0.451	0.457	-1.283	0.774	2.020	0.597	34.4	
362S162-68	0.0713	50	0.524	1.78	1.069	0.590	1.429	0.186	0.596	1.069	0.574	17.19	16.91	4370	1004	0.887	0.552	-1.264	0.765	1.999	0.600	34.4	
362S162-97	0.1017	50	0.724	2.46	1.436	0.792	1.408	0.241	0.577	1.436	0.776	27.54	27.05	5943	875	2.496	0.723	-1.226	0.745	1.954	0.606	34.5	
362S200-33	0.0346	33	0.297	1.01	0.648	0.358	1.478	0.177	0.772	0.642	0.294	5.81	5.98	1024	521	0.118	0.577	-1.741	1.030	2.411	0.478	53.6	
362S200-43	0.0451	33	0.385	1.31	0.836	0.461	1.474	0.227	0.767	0.836	0.427	8.43	8.41	1739	676	0.261	0.734	-1.729	1.024	2.398	0.480	53.5	
362S200-54	0.0566	33	0.479	1.63	1.030	0.568	1.467	0.277	0.761	1.030	0.553	10.93	10.91	2341	705	0.511	0.896	-1.715	1.016	2.382	0.482	53.6	
362S200-54	0.0566	50	0.479	1.63	1.030	0.568	1.467	0.277	0.761	1.030	0.490	14.66	14.84	3372	1016	0.511	0.896	-1.715	1.016	2.382	0.482	43.3	
362S200-68	0.0713	50	0.595	2.02	1.266	0.698	1.458	0.337	0.753	1.266	0.666	19.95	19.67	4370	1004	1.008	1.089	-1.696	1.006	2.360	0.484	43.3	
362S200-97	0.1017	50	0.826	2.81	1.712	0.945	1.440	0.446	0.735	1.712	0.929	32.04	29.65	5943	875	2.847	1.441	-1.658	0.986	2.316	0.487	43.6	
362S250-43	0.0451	33	0.430	1.46	0.980	0.541	1.510	0.385	0.946	0.980	0.449	8.88	9.06	1739	676	0.292	1.230	-2.199	1.277	2.830	0.396	64.1	
362S250-54	0.0566	33	0.535	1.82	1.210	0.668	1.504	0.473	0.940	1.210	0.582	11.51	12.06	2341	705	0.571	1.506	-2.184	1.269	2.813	0.397	64.3	
362S250-54	0.0566	50	0.535	1.82	1.210	0.668	1.504	0.473	0.940	1.198	0.514	15.40	15.93	3372	1016	0.571	1.506	-2.184	1.269	2.813	0.397	52.0	
362S250-68	0.0713	50	0.666	2.27	1.491	0.823	1.496	0.578	0.931	1.491	0.689	20.64	21.32	4370	1004	1.129	1.837	-2.165	1.259	2.791	0.398	52.0	
362S250-97	0.1017	50	0.927	3.16	2.028	1.119	1.479	0.773	0.913	2.028	1.056	35.51	32.47	5943	875	3.197	2.452	-2.126	1.239	2.746	0.401	52.5	
362S300-33 ²	0.0346	33	0.366	1.24	0.871	0.481	1.543	0.463	1.125	---	---	---	---	---	---	0.146	1.478	-2.686	1.537	3.296	0.336	74.3	
362S300-43 ²	0.0451	33	0.475	1.62	1.125	0.621	1.539	0.596	1.120	---	---	---	---	---	---	0.322	1.888	-2.674	1.530	3.282	0.336	74.3	
362S300-54	0.0566	33	0.592	2.01	1.391	0.767	1.533	0.734	1.114	1.379	0.607	11.99	12.82	2341	705	0.632	2.316	-2.659	1.522	3.265	0.337	74.5	
362S300-54	0.0566	50	0.592	2.01	1.391	0.767	1.533	0.734	1.114	1.295	0.529	15.83	16.82	3372	1016	0.632	2.316	-2.659	1.522	3.265	0.337	60.2	
362S300-68	0.0713	50	0.738	2.51	1.716	0.947	1.525	0.900	1.105	1.681	0.716	21.45	22.59	4370	1004	1.250	2.833	-2.640	1.512	3.243	0.337	60.4	
362S300-97	0.1017	50	1.029	3.50	2.343	1.293	1.509	1.213	1.086	2.318	1.150	34.44	35.10	5943	875	3.548	3.803	-2.600	1.491	3.196	0.338	60.9	
400S137-33	0.0346	33	0.249	0.85	0.603	0.302	1.556	0.061	0.496	0.603	0.259	5.12	4.98	976	595	0.099	0.204	-0.965	0.597	1.897	0.741	34.5	
400S137-43	0.0451	33	0.323	1.10	0.776	0.388	1.551	0.078	0.491	0.776	0.359	7.09	7.03	1739	810	0.219	0.257	-0.954	0.591	1.886	0.744	34.3	

Section Properties • Structural Studs

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties						Torsional Properties						L _u (in)
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _{a-L} (in-k)	M _{a-D} (in-k)	V _{ag} (lb)	V _{aNet} (lb)	Jx1000 (in ⁴)	C (in ⁶)	X _o (in)	m (in)	R _o (in)	β	
400S162-33	0.0346	33	0.275	0.94	0.692	0.346	1.586	0.103	0.611	0.692	0.299	5.91	5.81	976	595	0.110	0.363	-1.263	0.768	2.118	0.644	42.3
400S162-43	0.0451	33	0.357	1.21	0.892	0.446	1.581	0.131	0.606	0.892	0.417	8.23	8.17	1739	810	0.242	0.460	-1.252	0.761	2.106	0.647	42.2
400S162-54	0.0566	33	0.443	1.51	1.098	0.549	1.574	0.159	0.600	1.098	0.526	10.39	10.58	2603	944	0.473	0.560	-1.238	0.754	2.090	0.649	42.2
400S162-54	0.0566	50	0.443	1.51	1.098	0.549	1.574	0.159	0.600	1.098	0.498	14.90	14.44	3372	1223	0.473	0.560	-1.238	0.754	2.090	0.649	34.1
400S162-68	0.0713	50	0.550	1.87	1.346	0.673	1.564	0.192	0.591	1.346	0.648	19.41	19.13	4871	1356	0.933	0.677	-1.220	0.745	2.069	0.653	34.0
400S162-97	0.1017	50	0.762	2.59	1.813	0.907	1.542	0.250	0.572	1.813	0.892	31.65	30.41	6658	1207	2.628	0.889	-1.182	0.725	2.026	0.660	34.1
400S200-33	0.0346	33	0.310	1.05	0.812	0.406	1.619	0.183	0.769	0.804	0.329	6.49	6.67	976	595	0.124	0.697	-1.688	1.007	2.462	0.530	53.1
400S200-43	0.0451	33	0.402	1.37	1.048	0.524	1.615	0.235	0.764	1.048	0.478	9.45	9.05	1739	810	0.272	0.886	-1.676	1.000	2.450	0.532	53.0
400S200-54	0.0566	33	0.500	1.70	1.292	0.646	1.608	0.287	0.758	1.292	0.623	12.30	12.41	2603	944	0.534	1.083	-1.662	0.993	2.433	0.534	53.0
400S200-54	0.0566	50	0.500	1.70	1.292	0.646	1.608	0.287	0.758	1.292	0.549	16.43	16.61	3372	1223	0.534	1.083	-1.662	0.993	2.433	0.534	42.9
400S200-68	0.0713	50	0.622	2.12	1.590	0.795	1.599	0.349	0.750	1.589	0.751	22.48	22.08	4871	1356	1.054	1.318	-1.643	0.983	2.412	0.536	42.9
400S200-97	0.1017	50	0.864	2.94	2.156	1.078	1.580	0.463	0.732	2.156	1.064	36.69	33.25	6658	1207	2.978	1.749	-1.605	0.963	2.368	0.541	43.1
400S250-33 ²	0.0346	33	0.344	1.17	0.948	0.474	1.660	0.310	0.949	---	---	---	---	---	---	0.137	1.165	-2.151	1.259	2.878	0.441	63.7
400S250-43	0.0451	33	0.447	1.52	1.224	0.612	1.655	0.399	0.945	1.224	0.503	9.93	10.09	1739	810	0.303	1.486	-2.139	1.252	2.865	0.443	63.7
400S250-54	0.0566	33	0.556	1.89	1.512	0.756	1.649	0.490	0.938	1.512	0.653	12.91	13.47	2603	944	0.594	1.821	-2.124	1.244	2.848	0.444	63.8
400S250-54	0.0566	50	0.556	1.89	1.512	0.756	1.649	0.490	0.938	1.496	0.576	17.24	17.74	3372	1223	0.594	1.821	-2.124	1.244	2.848	0.444	51.6
400S250-68	0.0713	50	0.693	2.36	1.865	0.932	1.640	0.599	0.929	1.865	0.775	23.20	23.81	4871	1356	1.174	2.225	-2.105	1.235	2.826	0.445	51.6
400S250-97	0.1017	50	0.966	3.28	2.542	1.271	1.623	0.801	0.911	2.542	1.202	40.44	38.05	6658	1207	3.329	2.978	-2.066	1.214	2.781	0.448	51.9
400S300-33 ²	0.0346	33	0.379	1.29	1.084	0.542	1.692	0.479	1.125	---	---	---	---	---	---	0.151	1.786	-2.621	1.510	3.316	0.375	73.9
400S300-43 ²	0.0451	33	0.492	1.67	1.400	0.700	1.687	0.617	1.120	---	---	---	---	---	---	0.334	2.282	-2.608	1.503	3.302	0.376	73.9
400S300-54	0.0566	33	0.613	2.09	1.732	0.866	1.681	0.760	1.114	1.717	0.680	13.44	17.91	2603	944	0.655	2.802	-2.594	1.496	3.285	0.377	74.0
400S300-54	0.0566	50	0.613	2.09	1.732	0.866	1.681	0.760	1.114	1.612	0.592	17.72	18.59	3372	1223	0.655	2.802	-2.594	1.496	3.285	0.377	59.9
400S300-68	0.0713	50	0.764	2.60	2.140	1.070	1.673	0.933	1.105	2.094	0.805	24.10	25.13	4871	1356	1.295	3.432	-2.574	1.486	3.263	0.378	60.0
400S300-97	0.1017	50	1.067	3.63	2.928	1.464	1.656	1.259	1.086	2.894	1.307	39.13	39.25	6658	1207	3.679	4.619	-2.535	1.465	3.217	0.379	60.3
550S162-33	0.0346	33	0.327	1.11	1.459	0.530	2.112	0.113	0.589	1.459	0.512	10.11	7.92	699	699	0.130	0.713	-1.114	0.697	2.459	0.795	41.4
550S162-43	0.0451	33	0.424	1.44	1.884	0.685	2.107	0.145	0.584	1.883	0.681	14.80	11.79	1550	1199	0.288	0.905	-1.103	0.691	2.449	0.797	41.2
550S162-54	0.0566	33	0.528	1.80	2.325	0.845	2.098	0.176	0.577	2.324	0.845	18.76	15.73	2739	1666	0.564	1.105	-1.090	0.684	2.434	0.800	41.0
550S162-54	0.0566	50	0.528	1.80	2.325	0.845	2.098	0.176	0.577	2.324	0.811	26.86	20.87	3093	1881	0.564	1.105	-1.090	0.684	2.434	0.800	33.2
550S162-68	0.0713	50	0.657	2.24	2.862	1.041	2.087	0.212	0.569	2.861	1.031	34.95	28.03	5350	2532	1.114	1.342	-1.072	0.675	2.414	0.803	33.1
550S162-97	0.1017	50	0.915	3.11	3.887	1.414	2.062	0.276	0.550	3.887	1.413	50.14	42.60	9518	3026	3.154	1.775	-1.037	0.656	2.372	0.809	32.8
550S200-33	0.0346	33	0.362	1.23	1.694	0.616	2.164	0.204	0.751	1.678	0.559	11.05	9.49	699	699	0.144	1.326	-1.508	0.925	2.743	0.698	51.9
550S200-43	0.0451	33	0.469	1.60	2.189	0.796	2.159	0.261	0.746	2.189	0.776	15.34	13.50	1550	1199	0.318	1.691	-1.496	0.918	2.731	0.700	51.7
550S200-54	0.0566	33	0.585	1.99	2.707	0.984	2.152	0.320	0.739	2.707	0.984	21.41	18.03	2739	1666	0.624	2.072	-1.483	0.911	2.716	0.702	51.6
550S200-54	0.0566	50	0.585	1.99	2.707	0.984	2.152	0.320	0.739	2.707	0.901	26.99	23.86	3093	1881	0.624	2.072	-1.483	0.911	2.716	0.702	41.8
550S200-68	0.0713	50	0.729	2.48	3.341	1.215	2.141	0.389	0.731	3.341	1.188	39.44	32.07	5350	2532	1.235	2.531	-1.465	0.902	2.695	0.705	41.7
550S200-97	0.1017	50	1.016	3.46	4.565	1.660	2.119	0.516	0.713	4.564	1.660	57.26	49.12	9518	3026	3.504	3.384	-1.428	0.882	2.653	0.710	41.5
600S137-33	0.0346	33	0.318	1.08	1.583	0.528	2.230	0.069	0.464	1.548	0.455	8.98	7.76	638	638	0.127	0.500	-0.807	0.519	2.416	0.889	33.5
600S137-43	0.0451	33	0.413	1.41	2.042	0.681	2.224	0.087	0.459	2.041	0.645	12.74	11.17	1416	1240	0.280	0.633	-0.796	0.513	2.406	0.890	33.3
600S137-54	0.0566	33	0.514	1.75	2.518	0.839	2.214	0.105	0.452	2.518	0.832	16.45	15.05	2739	1890	0.549	0.769	-0.784	0.506	2.392	0.893	33.0
600S137-54	0.0566	50	0.514	1.75	2.518	0.839	2.214	0.105	0.452	2.518	0.777	23.26	19.85	2823	1947	0.549	0.769	-0.784	0.506	2.392	0.893	26.8
600S137-68	0.0713	50	0.640	2.18	3.095	1.032	2.200	0.125	0.443	3.095	1.030	30.85	26.96	5350	2879	1.084	0.930	-0.768	0.497	2.372	0.895	26.5
600S137-97	0.1017	50	0.889	3.03	4.190	1.397	2.171	0.159	0.423	4.189	1.396	50.81	50.81	10472	3806	3.066	1.216	-0.734	0.480	2.330	0.901	26.1
600S162-33	0.0346	33	0.344	1.17	1.793	0.598	2.282	0.116	0.581	1.793	0.577	11.41	9.11	638	638	0.137	0.861	-1.072	0.677	2.588	0.828	41.1
600S162-43	0.0451	33	0.447	1.52	2.316	0.772	2.277	0.148	0.576	2.316	0.767	16.68	12.99	1416	1240	0.303	1.095	-1.062	0.670	2.577	0.830	40.9
600S162-54	0.0566	33	0.556	1.89	2.861	0.954	2.268	0.180	0.570	2.860	0.953	21.17	17.41	2739	1890	0.594	1.337	-1.049	0.663	2.563	0.833	40.7
600S162-54	0.0566	50	0.556	1.89	2.861	0.954	2.268	0.180	0.570	2.860	0.916	30.33	23.02	2823	1947	0.594	1.337	-1.049	0.663	2.563	0.833	33.0
600S162-68	0.0713	50	0.693	2.36	3.526	1.175	2.256	0.218	0.561	3.525	1.164	39.47	31.05	5350	2879	1.174	1.626	-1.032	0.655	2.543	0.835	32.8
600S162-97	0.1017	50	0.966	3.28	4.799	1.600	2.229	0.283	0.542	4.798	1.599	56.73	47.49	10472	3806	3.329	2.153	-0.997	0.636	2.501	0.841	32.5
600S162-118	0.1242	50	1.158	3.94	5.655	1.885	2.209	0.322	0.527	5.654	1.885	68.95	68.95	12526	3622	5.956	2.487	-0.971	0.623	2.470	0.846	32.3

Section Properties

Section Properties • Structural Studs

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties					Torsional Properties					L _c (in)		
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _{r-x} (in-k)	M _{r-y} (in-k)	V _{cp} (lb)	V _{net} (lb)	Jx1000 (in ⁴)	C (in ⁶)	X _c (in)	m (in)		R _s (in)	β
600S200-33	0.0346	33	0.379	1.29	2.076	0.692	2.340	0.209	0.743	2.058	0.621	12.28	10.43	638	638	0.151	1.593	-1.457	0.901	2.855	0.740	51.6
600S200-43	0.0451	33	0.492	1.67	2.683	0.894	2.335	0.268	0.739	2.683	0.873	17.24	14.88	1416	1240	0.334	2.033	-1.446	0.894	2.844	0.742	51.4
600S200-54	0.0566	33	0.613	2.09	3.320	1.107	2.327	0.329	0.732	3.319	1.106	24.07	19.94	2739	1890	0.655	2.493	-1.432	0.887	2.829	0.744	51.3
600S200-54	0.0566	50	0.613	2.09	3.320	1.107	2.327	0.329	0.732	3.319	1.015	30.40	26.31	2823	1947	0.655	2.493	-1.432	0.887	2.829	0.744	41.6
600S200-68	0.0713	50	0.764	2.60	4.102	1.367	2.316	0.400	0.723	4.101	1.317	43.71	35.48	5350	2879	1.295	3.047	-1.415	0.878	2.809	0.746	41.4
600S200-97	0.1017	50	1.067	3.63	5.614	1.871	2.293	0.530	0.705	5.613	1.871	64.54	54.97	10472	3806	3.679	4.080	-1.378	0.859	2.767	0.752	41.2
600S200-118	0.1242	50	1.283	4.36	6.643	2.214	2.276	0.612	0.691	6.643	2.214	78.46	75.77	12526	3622	6.595	4.753	-1.351	0.845	2.736	0.756	41.1
600S250-43	0.0451	33	0.537	1.83	3.083	1.028	2.396	0.458	0.923	3.083	0.918	18.14	15.72	1416	1240	0.364	3.411	-1.874	1.136	3.179	0.652	62.4
600S250-54	0.0566	33	0.670	2.28	3.820	1.273	2.389	0.562	0.917	3.819	1.159	22.90	21.21	2739	1890	0.715	4.194	-1.860	1.129	3.163	0.654	62.3
600S250-54	0.0566	50	0.670	2.28	3.820	1.273	2.389	0.562	0.917	3.766	1.069	32.00	27.70	2823	1947	0.715	4.194	-1.860	1.129	3.163	0.654	50.5
600S250-68	0.0713	50	0.836	2.84	4.728	1.576	2.379	0.688	0.908	4.724	1.386	41.50	37.61	5350	2879	1.416	5.145	-1.842	1.119	3.142	0.657	50.4
600S250-97	0.1017	50	1.169	3.98	6.498	2.166	2.358	0.923	0.889	6.497	2.063	69.39	59.18	10472	3806	4.030	6.947	-1.803	1.100	3.099	0.661	50.2
600S250-118	0.1242	50	1.407	4.79	7.715	2.572	2.342	1.076	0.875	7.715	2.498	85.94	75.38	12526	3622	7.234	8.142	-1.775	1.085	3.066	0.665	46.7
600S300-54	0.0566	33	0.726	2.47	4.320	1.440	2.439	0.875	1.098	4.269	1.211	23.93	22.13	2739	1890	0.775	6.452	-2.299	1.372	3.527	0.575	72.8
600S300-54	0.0566	50	0.726	2.47	4.320	1.440	2.439	0.875	1.098	4.015	1.106	33.13	28.67	2823	1947	0.775	6.452	-2.299	1.372	3.527	0.575	59.1
600S300-68	0.0713	50	0.907	3.09	5.355	1.785	2.430	1.075	1.089	5.222	1.446	43.30	39.14	5350	2879	1.537	7.937	-2.280	1.363	3.506	0.577	58.9
600S300-97	0.1017	50	1.271	4.32	7.383	2.461	2.410	1.454	1.070	7.281	2.248	67.29	62.32	10472	3806	4.381	10.776	-2.241	1.343	3.461	0.581	58.8
600S300-118	0.1242	50	1.531	5.21	8.787	2.929	2.396	1.705	1.055	8.713	2.797	94.26	80.15	12526	3622	7.872	12.683	-2.212	1.328	3.427	0.583	55.4
600S350-54	0.0566	50	0.825	2.81	5.023	1.674	2.467	1.491	1.344	4.722	1.335	39.98	35.41	2823	1947	0.881	12.942	-3.037	1.787	4.137	0.461	74.4
600S350-68	0.0713	50	1.032	3.51	6.238	2.079	2.459	1.841	1.336	6.167	1.771	53.02	48.25	5350	2879	1.748	15.968	-3.018	1.777	4.116	0.462	74.4
600S350-97	0.1017	50	1.449	4.93	8.633	2.878	2.441	2.518	1.318	8.632	2.594	77.65	76.46	10472	3806	4.994	21.811	-2.979	1.757	4.071	0.464	74.4
600S350-118	0.1242	50	1.748	5.95	10.306	3.435	2.428	2.979	1.305	10.306	3.268	108.45	97.77	12526	3622	8.990	25.791	-2.951	1.742	4.038	0.466	70.6
800S137-33'	0.0346	33	0.388	1.32	3.199	0.800	2.873	0.073	0.435	2.998	0.622	12.30	10.22	474	474	0.155	0.957	-0.696	0.460	2.988	0.946	32.5
800S137-43'	0.0451	33	0.503	1.71	4.135	1.034	2.866	0.093	0.430	4.001	0.896	17.70	14.99	1051	1051	0.341	1.214	-0.687	0.454	2.979	0.947	32.2
800S137-54'	0.0566	33	0.627	2.13	5.111	1.278	2.855	0.112	0.423	5.077	1.179	23.29	20.57	2091	2091	0.670	1.478	-0.676	0.448	2.964	0.948	32.0
800S137-54'	0.0566	50	0.627	2.13	5.111	1.278	2.855	0.112	0.423	4.974	1.083	32.43	26.77	2091	2091	0.670	1.478	-0.676	0.448	2.964	0.948	25.9
800S137-68'	0.0713	50	0.782	2.66	6.305	1.576	2.839	0.134	0.414	6.286	1.468	43.97	36.98	4221	3367	1.325	1.789	-0.661	0.440	2.944	0.950	25.6
800S137-97'	0.1017	50	1.093	3.72	8.601	2.150	2.806	0.170	0.394	8.598	2.150	64.36	64.36	10885	5938	3.767	2.349	-0.630	0.423	2.902	0.953	25.1
800S162-33'	0.0346	33	0.413	1.41	3.583	0.896	2.944	0.125	0.550	3.385	0.710	14.03	12.16	474	474	0.165	1.630	-0.936	0.607	3.138	0.911	40.1
800S162-43'	0.0451	33	0.537	1.83	4.635	1.159	2.938	0.160	0.546	4.500	1.019	20.14	17.62	1051	1051	0.364	2.076	-0.926	0.601	3.128	0.912	39.8
800S162-54'	0.0566	33	0.670	2.28	5.737	1.434	2.927	0.194	0.539	5.702	1.334	26.36	23.96	2091	2091	0.715	2.539	-0.914	0.594	3.114	0.914	39.6
800S162-54'	0.0566	50	0.670	2.28	5.737	1.434	2.927	0.194	0.539	5.600	1.229	36.79	31.31	2091	2091	0.715	2.539	-0.914	0.594	3.114	0.914	32.1
800S162-68'	0.0713	50	0.836	2.84	7.092	1.773	2.913	0.235	0.530	7.070	1.664	49.81	42.89	4221	3367	1.416	3.093	-0.899	0.586	3.094	0.916	31.9
800S162-97'	0.1017	50	1.169	3.98	9.717	2.429	2.883	0.305	0.511	9.714	2.429	72.71	68.22	10885	5938	4.030	4.114	-0.866	0.568	3.053	0.920	31.4
800S162-118'	0.1242	50	1.407	4.79	11.509	2.877	2.860	0.347	0.496	11.506	2.876	105.24	105.24	16235	7115	7.234	4.766	-0.842	0.556	3.023	0.922	28.0
800S200-33'	0.0346	33	0.448	1.52	4.097	1.024	3.024	0.227	0.712	4.096	0.816	16.12	14.09	474	474	0.179	2.971	-1.288	0.817	3.363	0.853	50.6
800S200-43'	0.0451	33	0.582	1.98	5.303	1.326	3.018	0.292	0.708	5.302	1.293	25.54	20.34	1051	1051	0.395	3.797	-1.277	0.811	3.353	0.855	50.3
800S200-54'	0.0566	33	0.726	2.47	6.574	1.644	3.009	0.357	0.701	6.573	1.643	35.75	27.55	2091	2091	0.775	4.663	-1.265	0.804	3.338	0.856	47.8
800S200-54'	0.0566	50	0.726	2.47	6.574	1.644	3.009	0.357	0.701	6.573	1.499	44.87	36.01	2091	2091	0.775	4.663	-1.265	0.804	3.338	0.856	40.7
800S200-68'	0.0713	50	0.907	3.09	8.143	2.036	2.996	0.435	0.692	8.141	1.964	65.21	49.13	4221	3367	1.537	5.712	-1.248	0.796	3.319	0.859	38.4
800S200-97'	0.1017	50	1.271	4.32	11.207	2.802	2.970	0.577	0.674	11.204	2.801	96.63	77.83	10885	5938	4.381	7.684	-1.214	0.777	3.278	0.863	37.2
800S200-118'	0.1242	50	1.531	5.21	13.320	3.330	2.950	0.666	0.659	13.317	3.329	117.97	99.21	16235	7115	7.872	8.981	-1.188	0.764	3.248	0.866	36.5
800S250-43'	0.0451	33	0.627	2.13	6.017	1.504	3.097	0.500	0.893	6.015	1.314	25.96	21.41	1051	1051	0.425	6.374	-1.675	1.043	3.632	0.787	61.5
800S250-54'	0.0566	33	0.783	2.66	7.467	1.867	3.089	0.614	0.886	7.466	1.712	33.82	29.16	2091	2091	0.836	7.850	-1.661	1.036	3.617	0.789	61.4
800S250-54'	0.0566	50	0.783	2.66	7.467	1.867	3.089	0.614	0.886	7.378	1.525	45.66	37.84	2091	2091	0.836	7.850	-1.661	1.036	3.617	0.789	49.8
800S250-68'	0.0713	50	0.978	3.33	9.263	2.316	3.077	0.752	0.877	9.241	2.059	61.65	51.85	4221	3367	1.658	9.652	-1.644	1.027	3.597	0.791	49.6
800S250-97'	0.1017	50	1.372	4.67	12.793	3.198	3.053	1.009	0.858	12.790	3.054	102.70	83.02	10885	5938	4.731	13.091	-1.607	1.008	3.555	0.796	46.4
800S250-118'	0.1242	50	1.655	5.63	15.246	3.811	3.035	1.176	0.843	15.243	3.707	127.52	107.04	16235	7115	8.511	15.395	-1.580	0.994	3.524	0.799	45.6
800S300-54'	0.0566	50	0.839	2.86	8.360	2.090	3.156	0.959	1.069	7.863	1.535	45.97	38.97	2091	2091	0.896	12.076	-2.073	1.271	3.924	0.721	58.6
800S300-68'	0.0713	50	1.050	3.57	10.384	2.596	3.145	1.179	1.060	10.084	2.145	64.22	53.66	4221	3367	1.779	14.888	-2.055	1.262	3.904	0.723	58.4
800S300-97'	0.1017																					

Section Properties • Structural Studs

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties					Torsional Properties					L _y (in)		
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _{e-L} (in-k)	M _{e-D} (in-k)	V _{ag} (lb)	V _{net} (lb)	Jx1000 (in ⁴)	C (in ³)	X _c (in)	m (in)		R _o (in)	β
800S350-54	0.0566	33	0.938	3.19	9.685	2.421	3.213	1.646	1.324	9.478	2.125	41.98	30.23	2091	2091	1.002	22.897	-2.766	1.668	4.442	0.612	90.0
800S350-54	0.0566	50	0.938	3.19	9.685	2.421	3.213	1.646	1.324	9.191	1.869	55.97	48.11	2091	2091	1.002	22.897	-2.766	1.668	4.442	0.612	73.1
800S350-68	0.0713	50	1.174	4.00	12.048	3.012	3.203	2.034	1.316	11.910	2.596	77.74	65.96	4221	3367	1.990	28.308	-2.748	1.658	4.421	0.614	72.9
800S350-97	0.1017	50	1.652	5.62	16.741	4.185	3.183	2.784	1.298	16.739	3.786	113.35	105.79	10885	5938	5.696	38.834	-2.710	1.639	4.378	0.617	72.7
800S350-118	0.1242	50	1.997	6.79	20.045	5.011	3.168	3.296	1.285	20.043	4.763	158.04	136.67	16235	7115	10.267	46.068	-2.682	1.624	4.346	0.619	68.9
1000S162-43'	0.0451	33	0.627	2.13	8.028	1.606	3.577	0.168	0.518	7.523	1.302	25.74	21.70	836	836	0.425	3.430	-0.823	0.545	3.707	0.951	38.8
1000S162-54	0.0566	33	0.783	2.66	9.954	1.991	3.566	0.204	0.511	9.628	1.722	34.02	29.91	1661	1661	0.836	4.198	-0.812	0.538	3.693	0.952	38.5
1000S162-54	0.0566	50	0.783	2.66	9.954	1.991	3.566	0.204	0.511	9.391	1.572	47.07	38.68	1661	1661	0.836	4.198	-0.812	0.538	3.693	0.952	31.3
1000S162-68	0.0713	50	0.978	3.33	12.330	2.466	3.550	0.247	0.502	11.979	2.155	64.51	53.74	3345	3345	1.658	5.121	-0.798	0.531	3.673	0.953	31.0
1000S162-97	0.1017	50	1.372	4.67	16.974	3.395	3.517	0.320	0.483	16.968	3.270	97.90	87.70	9864	7177	4.731	6.827	-0.768	0.514	3.632	0.955	30.4
1000S162-118	0.1242	50	1.655	5.63	20.177	4.035	3.491	0.364	0.469	20.171	4.034	120.78	120.41	16235	9536	8.511	7.924	-0.746	0.502	3.601	0.957	30.0
1000S200-43'	0.0451	33	0.672	2.29	9.088	1.818	3.676	0.309	0.677	8.603	1.470	29.05	25.40	836	836	0.456	6.236	-1.147	0.743	3.910	0.914	49.3
1000S200-54	0.0566	33	0.839	2.86	11.282	2.256	3.666	0.378	0.671	10.954	1.984	39.20	34.77	1661	1661	0.896	7.665	-1.135	0.737	3.896	0.915	49.1
1000S200-54	0.0566	50	0.839	2.86	11.282	2.256	3.666	0.378	0.671	10.770	1.705	51.05	45.06	1661	1661	0.896	7.665	-1.135	0.737	3.896	0.915	39.8
1000S200-68	0.0713	50	1.050	3.57	13.999	2.800	3.652	0.460	0.662	13.666	2.420	72.47	62.15	3345	3345	1.779	9.401	-1.120	0.729	3.877	0.917	39.6
1000S200-97	0.1017	50	1.474	5.01	19.343	3.869	3.622	0.610	0.643	19.337	3.741	112.01	100.50	9864	7177	5.082	12.679	-1.088	0.711	3.836	0.920	39.0
1000S200-118	0.1242	50	1.779	6.05	23.060	4.612	3.600	0.704	0.629	23.054	4.611	138.05	130.17	16235	9536	9.149	14.848	-1.064	0.699	3.806	0.922	38.7
1000S250-43'	0.0451	33	0.717	2.44	10.205	2.041	3.771	0.531	0.860	10.203	1.617	31.95	26.87	836	836	0.486	10.481	-1.518	0.965	4.155	0.867	60.7
1000S250-54	0.0566	33	0.896	3.05	12.681	2.536	3.762	0.653	0.854	12.677	2.277	44.99	36.94	1661	1661	0.957	12.922	-1.505	0.958	4.141	0.868	60.5
1000S250-54	0.0566	50	0.896	3.05	12.681	2.536	3.762	0.653	0.854	12.661	1.879	56.27	47.66	1661	1661	0.957	12.922	-1.505	0.958	4.141	0.868	49.1
1000S250-68	0.0713	50	1.121	3.81	15.756	3.151	3.749	0.799	0.844	15.742	2.769	82.90	66.09	3345	3345	1.899	15.909	-1.488	0.950	4.121	0.870	48.8
1000S250-97	0.1017	50	1.576	5.36	21.834	4.367	3.722	1.073	0.825	21.828	4.181	140.63	107.14	9864	7177	5.433	21.632	-1.454	0.932	4.080	0.873	45.6
1000S250-118	0.1242	50	1.904	6.48	26.088	5.218	3.702	1.251	0.811	26.082	5.083	174.85	139.63	16235	9536	9.788	25.490	-1.428	0.918	4.050	0.876	44.8
1000S300-54	0.0566	33	0.953	3.24	14.080	2.816	3.845	1.024	1.037	13.938	2.312	45.70	38.27	1661	1661	1.017	19.888	-1.892	1.185	4.409	0.816	71.5
1000S300-54	0.0566	50	0.953	3.24	14.080	2.816	3.845	1.024	1.037	13.441	1.903	56.97	49.12	1661	1661	1.017	19.888	-1.892	1.185	4.409	0.816	58.0
1000S300-68	0.0713	50	1.192	4.06	17.513	3.503	3.833	1.258	1.027	17.099	2.802	83.90	68.23	3345	3345	2.020	24.551	-1.874	1.176	4.389	0.818	57.8
1000S300-97	0.1017	50	1.677	5.71	24.325	4.865	3.808	1.703	1.007	23.972	4.499	134.70	111.66	9864	7177	5.783	33.570	-1.838	1.158	4.347	0.821	57.4
1000S300-118	0.1242	50	2.028	6.90	29.117	5.823	3.789	1.998	0.993	28.858	5.587	188.24	134.36	16235	9536	10.427	39.725	-1.811	1.144	4.316	0.824	53.8
1000S350-54	0.0566	33	1.052	3.58	16.223	3.245	3.928	1.768	1.297	15.943	2.772	54.77	47.21	1661	1661	1.123	36.575	-2.546	1.566	4.857	0.725	88.9
1000S350-54	0.0566	50	1.052	3.58	16.223	3.245	3.928	1.768	1.297	15.578	2.328	69.70	60.89	1661	1661	1.123	36.575	-2.546	1.566	4.857	0.725	72.2
1000S350-68	0.0713	50	1.317	4.48	20.209	4.042	3.917	2.185	1.288	20.027	3.418	102.33	83.89	3345	3345	2.232	45.277	-2.529	1.557	4.837	0.727	72.0
1000S350-97	0.1017	50	1.855	6.31	28.154	5.631	3.895	2.992	1.270	28.149	5.119	153.26	135.86	9864	7177	6.397	62.280	-2.492	1.538	4.795	0.730	71.6
1000S350-118	0.1242	50	2.245	7.64	33.780	6.756	3.879	3.544	1.256	33.774	6.427	213.26	176.74	16235	9536	11.544	74.030	-2.465	1.524	4.764	0.732	67.8
1200S162-54'	0.0566	33	0.896	3.05	15.736	2.623	4.191	0.212	0.486	14.744	2.109	41.68	35.04	1377	1377	0.957	6.340	-0.732	0.493	4.282	0.971	37.5
1200S162-54'	0.0566	50	0.896	3.05	15.736	2.623	4.191	0.212	0.486	14.299	1.914	57.32	44.93	1377	1377	0.957	6.340	-0.732	0.493	4.282	0.971	30.5
1200S162-68	0.0713	50	1.121	3.81	19.526	3.254	4.174	0.255	0.477	18.391	2.645	79.20	63.43	2771	2771	1.899	7.739	-0.719	0.485	4.262	0.972	30.2
1200S162-97	0.1017	50	1.576	5.36	26.977	4.496	4.138	0.332	0.459	26.738	4.091	122.50	105.39	8147	7411	5.433	10.331	-0.691	0.470	4.220	0.973	29.5
1200S162-118	0.1242	50	1.904	6.48	32.158	5.360	4.110	0.377	0.445	32.146	5.169	154.75	154.75	14986	11037	9.788	12.002	-0.670	0.459	4.188	0.974	29.0
1200S200-54'	0.0566	33	0.953	3.24	17.668	2.945	4.307	0.394	0.643	16.679	2.425	47.93	41.25	1377	1377	1.017	11.550	-1.032	0.681	4.475	0.947	48.0
1200S200-54'	0.0566	50	0.953	3.24	17.668	2.945	4.307	0.394	0.643	16.335	2.073	62.07	53.22	1377	1377	1.017	11.550	-1.032	0.681	4.475	0.947	39.0
1200S200-68	0.0713	50	1.192	4.06	21.955	3.659	4.291	0.479	0.634	20.865	2.963	88.72	73.93	2771	2771	2.020	14.176	-1.017	0.673	4.456	0.948	38.7
1200S200-97	0.1017	50	1.677	5.71	30.428	5.071	4.259	0.635	0.615	30.177	4.660	139.52	121.84	8147	7411	5.783	19.150	-0.987	0.656	4.415	0.950	38.1
1200S200-118	0.1242	50	2.028	6.90	36.361	6.060	4.235	0.733	0.601	36.349	5.865	175.61	159.83	14986	11037	10.427	22.451	-0.964	0.644	4.384	0.952	37.7
1200S250-68	0.0713	50	1.263	4.30	24.491	4.082	4.403	0.836	0.813	23.576	3.007	90.04	79.05	2771	2771	2.141	24.034	-1.362	0.884	4.680	0.915	48.1
1200S250-97	0.1017	50	1.779	6.05	34.027	5.671	4.373	1.122	0.794	33.837	5.038	150.83	130.54	8147	7411	6.134	32.734	-1.329	0.867	4.639	0.918	47.5
1200S250-118	0.1242	50	2.152	7.32	40.740	6.790	4.351	1.308	0.780	40.728	6.542	195.86	171.85	14986	11037	11.065	38.619	-1.305	0.854	4.609	0.920	47.1
1200S300-54'	0.0566	33	1.066	3.63	21.705	3.618	4.513	1.074	1.004	21.650	2.736	54.06	46.00	1377	1377	1.138	30.051	-1.743	1.111	4.941	0.876	70.7
1200S300-54'	0.0566	50	1.066	3.63	21.705	3.618	4.513	1.074	1.004	21.045	2.273	68.04	58.81	1377	1377	1.138	30.051	-1.743	1.111	4.941	0.876	57.4
1200S300-68	0.0713	50	1.335	4.54	27.028	4.505	4.500	1.320	0.994	26.510	3.317	99.33	82.33	2771	2771	2.262	37.126	-1.726	1.103	4.921	0.877	57.2
1200S300-97	0.1017	50	1.881	6.40	37.627	6.271	4.473															

Section Properties

Section Properties • Structural Studs

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties					Torsional Properties					L _v (in)		
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _{e-L} (in-k)	M _{e-D} (in-k)	V _{ag} (lb)	V _{net} (lb)	Jx1000 (in ⁴)	C (in ⁶)	X _c (in)	m (in)		R _o (in)	β
1200S350-54'	0.0566	50	1.165	3.96	24.866	4.144	4.620	1.866	1.266	24.089	2.788	83.47	73.43	1377	1377	1.244	54.279	-2.363	1.478	5.342	0.804	71.4
1200S350-54'	0.0566	50	1.165	3.96	24.866	4.144	4.620	1.866	1.266	24.089	2.788	83.47	73.43	1377	1377	1.244	54.279	-2.363	1.478	5.342	0.804	71.4
1200S350-68	0.0713	50	1.460	4.97	31.004	5.167	4.609	2.306	1.257	30.917	4.062	121.60	101.62	2771	2771	2.473	67.251	-2.346	1.469	5.322	0.806	71.2
1200S350-97	0.1017	50	2.059	7.00	43.280	7.213	4.585	3.159	1.239	43.270	6.590	197.32	166.01	8147	7411	7.098	92.672	-2.310	1.450	5.281	0.809	70.8
1200S350-118	0.1242	50	2.494	8.48	52.006	8.668	4.567	3.742	1.225	51.995	8.260	274.08	217.31	14986	11037	12.821	110.302	-2.284	1.436	5.251	0.811	66.9
1400S200-54'	0.0566	33	1.066	3.63	25.961	3.709	4.936	0.406	0.617	23.768	2.866	56.63	46.88	1177	1177	1.138	16.355	-0.946	0.633	5.063	0.965	47.0
1400S200-54'	0.0566	50	1.066	3.63	25.961	3.709	4.936	0.406	0.617	23.201	2.440	73.06	59.92	1177	1177	1.138	16.355	-0.946	0.633	5.063	0.965	38.2
1400S200-68	0.0713	50	1.335	4.54	32.297	4.614	4.919	0.494	0.608	29.798	3.505	104.93	84.28	2365	2365	2.262	20.083	-0.932	0.625	5.043	0.966	37.9
1400S200-97	0.1017	50	1.881	6.40	44.870	6.410	4.884	0.655	0.590	43.619	5.580	167.08	141.26	6939	6939	6.484	27.156	-0.904	0.609	5.002	0.967	37.3
1400S200-118	0.1242	50	2.276	7.74	53.719	7.674	4.858	0.756	0.576	53.525	7.097	212.48	187.34	12745	11287	11.704	31.861	-0.883	0.598	4.971	0.968	36.8
1400S250-54'	0.0566	33	1.122	3.82	28.712	4.102	5.058	0.707	0.794	26.759	2.927	57.84	50.71	1177	1177	1.198	27.675	-1.272	0.835	5.275	0.942	58.6
1400S250-54'	0.0566	50	1.122	3.82	28.712	4.102	5.058	0.707	0.794	26.148	2.527	75.65	64.73	1177	1177	1.198	27.675	-1.272	0.835	5.275	0.942	47.6
1400S250-68	0.0713	50	1.406	4.78	35.755	5.108	5.043	0.865	0.784	33.568	3.550	106.30	91.04	2365	2365	2.383	34.118	-1.257	0.827	5.256	0.943	47.3
1400S250-97	0.1017	50	1.983	6.74	49.781	7.112	5.011	1.161	0.765	48.652	6.011	179.96	152.50	6939	6939	6.835	46.520	-1.225	0.811	5.215	0.945	46.7
1400S250-118	0.1242	50	2.400	8.17	59.697	8.528	4.987	1.353	0.751	59.508	7.881	235.96	203.26	12745	11287	12.342	54.927	-1.203	0.798	5.185	0.946	46.2
1400S300-54'	0.0566	33	1.179	4.01	31.463	4.495	5.166	1.115	0.972	29.584	3.019	59.66	53.21	1177	1177	1.259	42.690	-1.617	1.046	5.500	0.914	69.9
1400S300-54'	0.0566	50	1.179	4.01	31.463	4.495	5.166	1.115	0.972	27.235	2.580	77.26	67.77	1177	1177	1.259	42.690	-1.617	1.046	5.500	0.914	56.8
1400S300-68	0.0713	50	1.477	5.03	39.213	5.602	5.152	1.370	0.963	36.295	3.655	109.43	95.45	2365	2365	2.503	52.772	-1.601	1.038	5.480	0.915	56.5
1400S300-97	0.1017	50	2.084	7.09	54.692	7.813	5.123	1.854	0.943	53.232	6.373	190.80	160.22	6939	6939	7.186	72.365	-1.568	1.020	5.440	0.917	55.9
1400S300-118	0.1242	50	2.525	8.59	65.676	9.382	5.100	2.175	0.928	65.574	8.427	252.31	213.33	12745	11287	12.981	85.812	-1.544	1.008	5.409	0.919	55.5
1600S200-68'	0.0713	50	1.477	5.03	45.310	5.664	5.538	0.506	0.585	40.526	4.045	121.11	93.27	2062	2062	2.503	27.155	-0.862	0.584	5.635	0.977	37.1
1600S200-97	0.1017	50	2.084	7.09	63.076	7.885	5.501	0.671	0.567	59.936	6.500	194.62	158.61	6043	6043	7.186	36.744	-0.835	0.569	5.593	0.978	36.4
1600S200-118	0.1242	50	2.525	8.59	75.633	9.454	5.473	0.774	0.554	74.087	8.332	249.45	212.31	11088	11088	12.981	43.132	-0.815	0.558	5.561	0.979	35.9
1600S250-68'	0.0713	50	1.549	5.27	49.832	6.229	5.673	0.889	0.758	45.551	4.092	122.52	101.72	2062	2062	2.624	46.230	-1.167	0.778	5.841	0.960	46.5
1600S250-97	0.1017	50	2.186	7.44	69.503	8.688	5.639	1.193	0.739	66.581	6.983	209.07	172.62	6043	6043	7.536	63.082	-1.138	0.762	5.800	0.962	45.9
1600S250-118	0.1242	50	2.649	9.01	83.459	10.432	5.613	1.390	0.724	81.927	9.223	276.13	231.24	11088	11088	13.620	74.524	-1.116	0.750	5.769	0.963	45.4
1600S300-68'	0.0713	50	1.620	5.51	54.355	6.794	5.793	1.411	0.933	49.116	4.210	126.05	107.46	2062	2062	2.745	71.608	-1.494	0.981	6.055	0.939	55.8
1600S300-97	0.1017	50	2.288	7.78	75.929	9.491	5.761	1.910	0.914	72.678	7.391	221.30	182.59	6043	6043	7.887	98.275	-1.463	0.964	6.014	0.941	55.1
1600S300-118	0.1242	50	2.773	9.43	91.284	11.411	5.738	2.240	0.899	89.916	9.836	294.49	244.86	11088	11088	14.258	116.606	-1.439	0.951	5.983	0.942	54.7
1600S350-68'	0.0713	50	1.745	5.94	61.641	7.705	5.944	2.490	1.195	57.446	5.180	155.10	134.83	2062	2062	2.957	127.370	-2.055	1.322	6.402	0.897	69.7
1600S350-97	0.1017	50	2.466	8.39	86.296	10.787	5.916	3.410	1.176	83.695	8.383	250.97	223.83	6043	6043	8.501	175.895	-2.022	1.304	6.362	0.899	69.1
1600S350-118	0.1242	50	2.990	10.17	103.924	12.990	5.895	4.039	1.162	102.539	11.306	338.49	296.35	11088	11088	15.376	209.692	-1.998	1.291	6.332	0.900	68.8

Notes:

1. Calculated properties are based on AISI S100-16 "North American Specification for the Design of Cold-Formed Steel Structural Members."
2. The centerline bend radius is based upon inside corner radii shown in Table as shown in the Thickness Table.
3. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A3.3.2.
4. Tabulated gross properties, including torsional properties, are based upon full-unreduced cross section of the studs, away from punchouts.
5. For deflection calculations, use the effective moment of inertia.
6. Allowable moment includes cold-work of forming.
7. For the steels that have both 33 and 50 ksi listing, if the design is based upon 50 ksi, the 50 ksi steel needs to be specified.

¹ Web-height-to-thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentric loads. Suitability of web holes must be evaluated independently.

² When web height-to-thickness ratio exceeds 260, or flange width-to-thickness ratio exceeds 60, effective properties are not calculated (limitations in AISI Section B4.1).

Section Properties • Structural Track

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties				Torsional Properties					
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _e (in ⁴)	S _e (in ³)	M _{a-L} (in-k)	V ₉₉ (lb)	Jx1000 (in ⁴)	C (in ⁶)	X _o (in)	m (in)	R _o (in)	β
250T125-33	0.0346	33	0.173	0.59	0.192	0.145	1.054	0.027	0.397	0.166	0.103	2.03	1024	0.0690	0.033	-0.760	0.456	1.358	0.687
250T125-43	0.0451	33	0.225	0.77	0.250	0.188	1.055	0.035	0.395	0.231	0.147	2.91	1356	0.1526	0.042	-0.755	0.453	1.356	0.690
250T125-54	0.0566	33	0.282	0.96	0.318	0.236	1.062	0.043	0.392	0.310	0.203	4.01	1692	0.3015	0.054	-0.749	0.449	1.357	0.696
250T125-54	0.0566	50	0.282	0.96	0.318	0.236	1.062	0.043	0.392	0.297	0.188	5.64	2563	0.3015	0.054	-0.749	0.449	1.357	0.696
250T125-68	0.0713	33	0.355	1.21	0.409	0.297	1.072	0.054	0.389	0.409	0.281	5.56	2112	0.6022	0.069	-0.740	0.444	1.360	0.704
250T125-68	0.0713	50	0.355	1.21	0.409	0.297	1.072	0.054	0.389	0.403	0.262	7.85	3199	0.6022	0.069	-0.740	0.444	1.360	0.704
250T150-33	0.0346	33	0.190	0.65	0.221	0.167	1.079	0.045	0.485	0.180	0.107	2.11	1024	0.0759	0.054	-0.973	0.573	1.532	0.596
250T150-43	0.0451	33	0.248	0.84	0.289	0.217	1.080	0.058	0.483	0.252	0.154	3.03	1356	0.1679	0.070	-0.968	0.570	1.529	0.599
250T150-54	0.0566	33	0.311	1.06	0.368	0.273	1.088	0.072	0.481	0.342	0.214	4.22	1692	0.3317	0.089	-0.961	0.566	1.530	0.605
250T150-54	0.0566	50	0.311	1.06	0.368	0.273	1.088	0.072	0.481	0.325	0.197	5.89	2563	0.3317	0.089	-0.961	0.566	1.530	0.605
250T150-68	0.0713	33	0.391	1.33	0.472	0.344	1.099	0.089	0.478	0.465	0.299	5.92	2112	0.6627	0.114	-0.953	0.561	1.531	0.613
250T150-68	0.0713	50	0.391	1.33	0.472	0.344	1.099	0.089	0.478	0.445	0.276	8.27	3199	0.6627	0.114	-0.953	0.561	1.531	0.613
250T200-33	0.0346	33	0.225	0.76	0.280	0.212	1.117	0.097	0.658	0.203	0.112	2.22	1024	0.0897	0.118	-1.418	0.813	1.922	0.455
250T200-43	0.0451	33	0.293	1.00	0.366	0.275	1.119	0.126	0.656	0.288	0.163	3.21	1356	0.1985	0.153	-1.413	0.810	1.918	0.457
250T200-54	0.0566	33	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.396	0.228	4.51	1692	0.3921	0.195	-1.405	0.806	1.917	0.462
250T200-54	0.0566	50	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.372	0.209	6.25	2563	0.3921	0.195	-1.405	0.806	1.917	0.462
250T200-68	0.0713	33	0.462	1.57	0.600	0.437	1.139	0.196	0.652	0.548	0.324	6.41	2112	0.7835	0.251	-1.396	0.800	1.916	0.469
250T200-68	0.0713	50	0.462	1.57	0.600	0.437	1.139	0.196	0.652	0.517	0.296	8.87	3199	0.7835	0.251	-1.396	0.800	1.916	0.469
350T125-33	0.0346	33	0.207	0.71	0.405	0.222	1.397	0.030	0.379	0.355	0.165	3.27	1024	0.0828	0.070	-0.668	0.414	1.594	0.824
350T125-43	0.0451	33	0.270	0.92	0.528	0.288	1.398	0.038	0.377	0.490	0.233	4.61	1739	0.1832	0.090	-0.663	0.412	1.592	0.826
350T125-54	0.0566	33	0.339	1.15	0.668	0.361	1.404	0.048	0.375	0.651	0.317	6.26	2392	0.3619	0.114	-0.658	0.408	1.595	0.830
350T125-54	0.0566	50	0.339	1.15	0.668	0.361	1.404	0.048	0.375	0.626	0.297	8.90	3372	0.3619	0.114	-0.658	0.408	1.595	0.830
350T125-68	0.0713	33	0.427	1.45	0.851	0.454	1.412	0.059	0.372	0.851	0.433	8.55	2994	0.7231	0.144	-0.650	0.403	1.599	0.835
350T125-68	0.0713	50	0.427	1.45	0.851	0.454	1.412	0.059	0.372	0.839	0.407	12.19	4536	0.7231	0.144	-0.650	0.403	1.599	0.835
350T125-97	0.1017	33	0.608	2.07	1.243	0.645	1.430	0.081	0.366	1.243	0.645	14.57	4213	2.0960	0.209	-0.636	0.394	1.607	0.844
350T125-97	0.1017	50	0.608	2.07	1.243	0.645	1.430	0.081	0.366	1.243	0.645	21.69	6383	2.0960	0.209	-0.636	0.394	1.607	0.844
350T150-33	0.0346	33	0.225	0.76	0.461	0.253	1.432	0.049	0.469	0.382	0.171	3.39	1024	0.0897	0.114	-0.866	0.527	1.738	0.752
350T150-43	0.0451	33	0.293	1.00	0.601	0.329	1.433	0.064	0.467	0.531	0.243	4.80	1739	0.1985	0.148	-0.861	0.525	1.736	0.754
350T150-54	0.0566	33	0.367	1.25	0.762	0.412	1.440	0.079	0.465	0.712	0.332	6.57	2392	0.3921	0.187	-0.855	0.521	1.738	0.758
350T150-54	0.0566	50	0.367	1.25	0.762	0.412	1.440	0.079	0.465	0.679	0.310	9.28	3372	0.3921	0.187	-0.855	0.521	1.738	0.758
350T150-68	0.0713	33	0.462	1.57	0.972	0.518	1.450	0.099	0.462	0.957	0.459	9.07	2994	0.7835	0.238	-0.847	0.516	1.742	0.763
350T150-68	0.0713	50	0.462	1.57	0.972	0.518	1.450	0.099	0.462	0.919	0.428	12.81	4536	0.7835	0.238	-0.847	0.516	1.742	0.763
350T150-97	0.1017	33	0.659	2.24	1.423	0.738	1.469	0.137	0.456	1.422	0.738	16.33	4213	2.2713	0.346	-0.831	0.506	1.749	0.774
350T150-97	0.1017	50	0.659	2.24	1.423	0.738	1.469	0.137	0.456	1.422	0.701	20.98	6383	2.2713	0.346	-0.831	0.506	1.749	0.774
350T200-33	0.0346	33	0.259	0.88	0.574	0.315	1.488	0.108	0.646	0.428	0.181	3.57	1024	0.1035	0.249	-1.285	0.761	2.069	0.614
350T200-43	0.0451	33	0.338	1.15	0.749	0.409	1.489	0.140	0.645	0.601	0.257	5.09	1739	0.2291	0.323	-1.280	0.758	2.067	0.616
350T200-54	0.0566	33	0.424	1.44	0.949	0.513	1.497	0.175	0.642	0.814	0.355	7.01	2392	0.4526	0.409	-1.273	0.754	2.067	0.621
350T200-54	0.0566	50	0.424	1.44	0.949	0.513	1.497	0.175	0.642	0.770	0.329	9.85	3372	0.4526	0.409	-1.273	0.754	2.067	0.621
350T200-68	0.0713	33	0.534	1.82	1.213	0.647	1.508	0.218	0.639	1.112	0.496	9.80	2994	0.9043	0.522	-1.264	0.749	2.069	0.627
350T200-68	0.0713	50	0.534	1.82	1.213	0.647	1.508	0.218	0.639	1.054	0.458	13.72	4536	0.9043	0.522	-1.264	0.749	2.069	0.627
350T200-97	0.1017	33	0.761	2.59	1.781	0.924	1.530	0.305	0.633	1.779	0.831	16.42	4213	2.6219	0.765	-1.247	0.738	2.073	0.638
350T200-97	0.1017	50	0.761	2.59	1.781	0.924	1.530	0.305	0.633	1.708	0.769	23.02	6383	2.6219	0.765	-1.247	0.738	2.073	0.638

Section Properties

Section Properties • Structural Track

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties				Torsional Properties					
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _z (in ⁴)	S _z (in ³)	M _{z-L} (in-k)	V _z (lb)	Jx1000 (in ⁴)	C (in ⁶)	X _o (in)	m (in)	R _o (in)	β
362T125-33	0.0346	33	0.212	0.72	0.438	0.232	1.439	0.030	0.377	0.385	0.174	3.44	1024	0.0845	0.076	-0.658	0.410	1.626	0.836
362T125-43	0.0451	33	0.276	0.94	0.571	0.302	1.439	0.039	0.375	0.531	0.245	4.84	1739	0.1870	0.098	-0.654	0.407	1.625	0.838
362T125-54	0.0566	50	0.346	1.18	0.723	0.378	1.445	0.048	0.373	0.678	0.312	9.34	3372	0.3695	0.123	-0.648	0.404	1.627	0.841
362T125-68	0.0713	33	0.436	1.48	0.921	0.475	1.454	0.060	0.370	0.921	0.453	8.96	3104	0.7382	0.156	-0.641	0.399	1.631	0.846
362T125-68	0.0713	50	0.436	1.48	0.921	0.475	1.454	0.060	0.370	0.908	0.427	12.78	4703	0.7382	0.156	-0.641	0.399	1.631	0.846
362T125-97	0.1017	33	0.621	2.11	1.344	0.675	1.471	0.082	0.364	1.343	0.675	15.25	4339	2.1398	0.226	-0.626	0.390	1.640	0.854
362T125-97	0.1017	50	0.621	2.11	1.344	0.675	1.471	0.082	0.364	1.343	0.675	22.70	6574	2.1398	0.226	-0.626	0.390	1.640	0.854
362T125-97	0.1017	50	0.621	2.11	1.344	0.675	1.471	0.082	0.364	1.343	0.675	22.70	6574	2.1398	0.226	-0.626	0.390	1.640	0.854
362T150-33	0.0346	33	0.229	0.78	0.499	0.264	1.475	0.050	0.467	0.414	0.180	3.56	1024	0.0914	0.124	-0.854	0.522	1.768	0.766
362T150-43	0.0451	33	0.298	1.02	0.650	0.344	1.476	0.064	0.465	0.575	0.255	5.04	1739	0.2023	0.160	-0.850	0.519	1.766	0.768
362T150-54	0.0566	33	0.374	1.27	0.823	0.431	1.483	0.080	0.462	0.770	0.349	6.89	2480	0.3997	0.202	-0.844	0.516	1.768	0.772
362T150-54	0.0566	50	0.374	1.27	0.823	0.431	1.483	0.080	0.462	0.735	0.325	9.74	3372	0.3997	0.202	-0.844	0.516	1.768	0.772
362T150-68	0.0713	33	0.471	1.60	1.050	0.542	1.493	0.100	0.460	1.034	0.481	9.50	3104	0.7986	0.257	-0.836	0.511	1.771	0.777
362T150-68	0.0713	50	0.471	1.60	1.050	0.542	1.493	0.100	0.460	0.993	0.449	13.43	4703	0.7986	0.257	-0.836	0.511	1.771	0.777
362T150-97	0.1017	33	0.672	2.28	1.535	0.771	1.512	0.138	0.453	1.535	0.771	17.07	4339	2.3152	0.374	-0.820	0.501	1.779	0.787
362T150-97	0.1017	50	0.672	2.28	1.535	0.771	1.512	0.138	0.453	1.535	0.733	21.94	6574	2.3152	0.374	-0.820	0.501	1.779	0.787
362T200-33	0.0346	33	0.264	0.90	0.619	0.329	1.533	0.110	0.645	0.464	0.190	3.76	1024	0.1052	0.269	-1.270	0.754	2.092	0.631
362T200-43	0.0451	33	0.343	1.17	0.808	0.427	1.534	0.142	0.643	0.650	0.270	5.34	1739	0.2329	0.350	-1.265	0.752	2.090	0.633
362T200-54	0.0566	33	0.431	1.47	1.024	0.536	1.542	0.177	0.640	0.879	0.372	7.36	2480	0.4601	0.442	-1.259	0.748	2.091	0.638
362T200-54	0.0566	50	0.431	1.47	1.024	0.536	1.542	0.177	0.640	0.832	0.345	10.34	3372	0.4601	0.442	-1.259	0.748	2.091	0.638
362T200-68	0.0713	33	0.543	1.85	1.308	0.675	1.552	0.221	0.638	1.199	0.519	10.26	3104	0.9194	0.564	-1.250	0.743	2.093	0.643
362T200-68	0.0713	50	0.543	1.85	1.308	0.675	1.552	0.221	0.638	1.138	0.480	14.38	4703	0.9194	0.564	-1.250	0.743	2.093	0.643
362T200-97	0.1017	33	0.773	2.63	1.917	0.963	1.575	0.308	0.632	1.916	0.868	17.14	4339	2.6658	0.825	-1.232	0.732	2.097	0.655
362T200-97	0.1017	50	0.773	2.63	1.917	0.963	1.575	0.308	0.632	1.840	0.804	24.06	6574	2.6658	0.825	-1.232	0.732	2.097	0.655
400T125-33	0.0346	33	0.225	0.76	0.549	0.265	1.563	0.031	0.371	0.484	0.201	3.97	940	0.0897	0.095	-0.630	0.396	1.725	0.867
400T125-43	0.0451	33	0.293	1.00	0.716	0.344	1.564	0.040	0.369	0.666	0.282	5.57	1739	0.1985	0.122	-0.626	0.394	1.724	0.868
400T125-54	0.0566	33	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.883	0.381	7.53	2739	0.3921	0.154	-0.621	0.390	1.727	0.871
400T125-54	0.0566	50	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.850	0.359	10.74	3372	0.3921	0.154	-0.621	0.390	1.727	0.871
400T125-68	0.0713	33	0.462	1.57	1.151	0.541	1.577	0.061	0.364	1.150	0.517	10.22	3435	0.7835	0.194	-0.614	0.386	1.731	0.874
400T125-68	0.0713	50	0.462	1.57	1.151	0.541	1.577	0.061	0.364	1.134	0.488	14.62	5205	0.7835	0.194	-0.614	0.386	1.731	0.874
400T125-97	0.1017	33	0.659	2.24	1.674	0.768	1.594	0.084	0.358	1.673	0.768	17.36	4842	2.2713	0.280	-0.600	0.377	1.740	0.881
400T125-97	0.1017	50	0.659	2.24	1.674	0.768	1.594	0.084	0.358	1.673	0.768	25.84	7337	2.2713	0.280	-0.600	0.377	1.740	0.881
400T150-33	0.0346	33	0.242	0.82	0.622	0.300	1.603	0.051	0.460	0.519	0.208	4.12	940	0.0966	0.155	-0.821	0.507	1.859	0.805
400T150-43	0.0451	33	0.315	1.07	0.811	0.390	1.604	0.066	0.458	0.719	0.293	5.80	1739	0.2138	0.200	-0.817	0.504	1.857	0.807
400T150-54	0.0566	33	0.396	1.35	1.026	0.489	1.610	0.082	0.456	0.960	0.399	7.89	2739	0.4223	0.252	-0.811	0.501	1.860	0.810
400T150-54	0.0566	50	0.396	1.35	1.026	0.489	1.610	0.082	0.456	0.918	0.374	11.19	3372	0.4223	0.252	-0.811	0.501	1.860	0.810
400T150-68	0.0713	33	0.498	1.69	1.306	0.615	1.619	0.102	0.453	1.286	0.548	10.82	3435	0.8439	0.320	-0.804	0.496	1.864	0.814
400T150-68	0.0713	50	0.498	1.69	1.306	0.615	1.619	0.102	0.453	1.237	0.513	15.36	5205	0.8439	0.320	-0.804	0.496	1.864	0.814
400T150-97	0.1017	33	0.710	2.41	1.904	0.874	1.638	0.142	0.447	1.904	0.874	19.35	4842	2.4466	0.463	-0.788	0.487	1.872	0.823
400T150-97	0.1017	50	0.710	2.41	1.904	0.874	1.638	0.142	0.447	1.904	0.832	24.92	7337	2.4466	0.463	-0.788	0.487	1.872	0.823

Section Properties • Structural Track

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties				Torsional Properties					
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _{x-L} (in-k)	V _{xy} (lb)	Jx1000 (in ⁴)	C (in ⁶)	X _o (in)	m (in)	R _o (in)	β
400T200-54	0.0566	33	0.452	1.54	1.268	0.604	1.675	0.182	0.635	1.093	0.426	8.42	2739	0.4828	0.551	-1.217	0.730	2.166	0.684
400T200-54	0.0566	50	0.452	1.54	1.268	0.604	1.675	0.182	0.635	1.037	0.397	11.88	3372	0.4828	0.551	-1.217	0.730	2.166	0.684
400T200-68	0.0713	33	0.569	1.94	1.617	0.761	1.685	0.227	0.632	1.486	0.591	11.68	3435	0.9647	0.702	-1.209	0.725	2.168	0.689
400T200-68	0.0713	50	0.569	1.94	1.617	0.761	1.685	0.227	0.632	1.412	0.549	16.43	5205	0.9647	0.702	-1.209	0.725	2.168	0.689
400T200-97	0.1017	33	0.811	2.76	2.364	1.085	1.707	0.318	0.626	2.361	0.981	19.38	4842	2.7973	1.022	-1.192	0.715	2.174	0.699
400T200-97	0.1017	50	0.811	2.76	2.364	1.085	1.707	0.318	0.626	2.269	0.911	27.29	7337	2.7973	1.022	-1.192	0.715	2.174	0.699
550T125-33	0.0346	33	0.277	0.94	1.159	0.411	2.047	0.033	0.346	1.029	0.270	5.33	680	0.1104	0.195	-0.541	0.350	2.145	0.936
550T125-43	0.0451	33	0.360	1.23	1.510	0.534	2.047	0.043	0.344	1.428	0.417	8.23	1504	0.2443	0.252	-0.537	0.348	2.144	0.937
550T125-54	0.0566	33	0.452	1.54	1.904	0.668	2.052	0.053	0.342	1.862	0.597	11.80	2739	0.4828	0.315	-0.532	0.345	2.147	0.939
550T125-54	0.0566	50	0.452	1.54	1.904	0.668	2.052	0.053	0.342	1.811	0.535	16.01	2980	0.4828	0.315	-0.532	0.345	2.147	0.939
550T125-68	0.0713	33	0.569	1.94	2.413	0.839	2.059	0.066	0.340	2.412	0.807	15.95	4347	0.9647	0.397	-0.526	0.341	2.152	0.940
550T125-68	0.0713	50	0.569	1.94	2.413	0.839	2.059	0.066	0.340	2.380	0.769	23.02	5350	0.9647	0.397	-0.526	0.341	2.152	0.940
550T125-97	0.1017	33	0.811	2.76	3.484	1.190	2.072	0.090	0.334	3.484	1.190	26.87	6730	2.7973	0.564	-0.514	0.333	2.161	0.943
550T125-97	0.1017	50	0.811	2.76	3.484	1.190	2.072	0.090	0.334	3.484	1.190	40.01	10197	2.7973	0.564	-0.514	0.333	2.161	0.943
550T150-33	0.0346	33	0.294	1.00	1.295	0.459	2.099	0.055	0.434	1.115	0.310	6.12	680	0.1173	0.320	-0.714	0.455	2.259	0.900
550T150-43	0.0451	33	0.383	1.30	1.688	0.596	2.100	0.072	0.432	1.516	0.468	9.25	1504	0.2596	0.414	-0.709	0.452	2.258	0.901
550T150-54	0.0566	33	0.480	1.63	2.129	0.747	2.105	0.089	0.430	2.005	0.628	12.41	2739	0.5130	0.519	-0.704	0.449	2.261	0.903
550T150-54	0.0566	50	0.480	1.63	2.129	0.747	2.105	0.089	0.430	1.928	0.595	17.81	2980	0.5130	0.519	-0.704	0.449	2.261	0.903
550T150-68	0.0713	33	0.605	2.06	2.700	0.939	2.113	0.111	0.427	2.661	0.850	16.80	4347	1.0251	0.655	-0.698	0.445	2.266	0.905
550T150-68	0.0713	50	0.605	2.06	2.700	0.939	2.113	0.111	0.427	2.569	0.804	24.07	5350	1.0251	0.655	-0.698	0.445	2.266	0.905
550T150-97	0.1017	33	0.862	2.93	3.905	1.334	2.128	0.153	0.421	3.905	1.334	29.52	6730	2.9726	0.937	-0.684	0.436	2.275	0.909
550T150-97	0.1017	50	0.862	2.93	3.905	1.334	2.128	0.153	0.421	3.905	1.278	38.28	10197	2.9726	0.937	-0.684	0.436	2.275	0.909
550T200-33	0.0346	33	0.329	1.12	1.567	0.555	2.184	0.123	0.613	1.246	0.307	6.06	680	0.1311	0.694	-1.088	0.674	2.516	0.813
550T200-43	0.0451	33	0.428	1.46	2.044	0.722	2.185	0.160	0.611	1.690	0.495	9.79	1504	0.2902	0.900	-1.083	0.671	2.514	0.814
550T200-54	0.0566	33	0.537	1.83	2.579	0.905	2.191	0.199	0.609	2.254	0.669	13.21	2739	0.5734	1.133	-1.077	0.668	2.517	0.817
550T200-54	0.0566	50	0.537	1.83	2.579	0.905	2.191	0.199	0.609	2.153	0.630	18.86	2980	0.5734	1.133	-1.077	0.668	2.517	0.817
550T200-68	0.0713	33	0.676	2.30	3.275	1.139	2.201	0.248	0.606	3.027	0.914	18.06	4347	1.1459	1.434	-1.070	0.663	2.521	0.820
550T200-68	0.0713	50	0.676	2.30	3.275	1.139	2.201	0.248	0.606	2.895	0.857	25.67	5350	1.1459	1.434	-1.070	0.663	2.521	0.820
550T200-97	0.1017	33	0.964	3.28	4.747	1.621	2.219	0.347	0.600	4.736	1.483	29.30	6730	3.3232	2.067	-1.055	0.653	2.529	0.826
550T200-97	0.1017	50	0.964	3.28	4.747	1.621	2.219	0.347	0.600	4.567	1.391	41.64	10197	3.3232	2.067	-1.055	0.653	2.529	0.826
600T125-33	0.0346	33	0.294	1.00	1.429	0.465	2.205	0.034	0.339	1.258	0.297	5.87	622	0.1173	0.238	-0.516	0.337	2.289	0.949
600T125-43	0.0451	33	0.383	1.30	1.862	0.604	2.205	0.044	0.337	1.768	0.461	9.11	1377	0.2596	0.307	-0.513	0.335	2.289	0.950
600T125-54	0.0566	33	0.480	1.63	2.345	0.757	2.209	0.054	0.335	2.299	0.666	13.15	2728	0.5130	0.384	-0.508	0.332	2.292	0.951
600T125-54	0.0566	50	0.480	1.63	2.345	0.757	2.209	0.054	0.335	2.241	0.592	17.74	2728	0.5130	0.384	-0.508	0.332	2.292	0.951
600T125-68	0.0713	33	0.605	2.06	2.970	0.951	2.216	0.067	0.332	2.969	0.916	18.09	4347	1.0251	0.483	-0.503	0.329	2.296	0.952
600T125-68	0.0713	50	0.605	2.06	2.970	0.951	2.216	0.067	0.332	2.934	0.858	25.69	5350	1.0251	0.483	-0.503	0.329	2.296	0.952
600T125-97	0.1017	33	0.862	2.93	4.282	1.348	2.229	0.092	0.327	4.281	1.347	30.43	7359	2.9726	0.685	-0.491	0.321	2.305	0.955
600T125-97	0.1017	50	0.862	2.93	4.282	1.348	2.229	0.092	0.327	4.281	1.347	40.33	10885	2.9726	0.685	-0.491	0.321	2.305	0.955

Section Properties

Section Properties • Structural Track

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties				Torsional Properties					
					I _y (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _{x-L} (in-k)	V ₃₀ (lb)	Jx1000 (in ⁴)	C (in ⁶)	X ₀ (in)	m (in)	R ₀ (in)	β
600T150-33	0.0346	33	0.311	1.06	1.590	0.517	2.260	0.057	0.426	1.335	0.303	5.99	622	0.1242	0.390	-0.684	0.439	2.400	0.919
600T150-43	0.0451	33	0.405	1.38	2.073	0.673	2.261	0.073	0.424	1.890	0.474	9.36	1377	0.2749	0.504	-0.680	0.437	2.399	0.920
600T150-54	0.0566	33	0.509	1.73	2.612	0.843	2.266	0.091	0.422	2.473	0.689	13.62	2728	0.5432	0.632	-0.675	0.434	2.402	0.921
600T150-54	0.0566	50	0.509	1.73	2.612	0.843	2.266	0.091	0.422	2.400	0.609	18.24	2728	0.5432	0.632	-0.675	0.434	2.402	0.921
600T150-68	0.0713	33	0.641	2.18	3.310	1.059	2.273	0.113	0.419	3.262	0.963	19.03	4347	1.0855	0.797	-0.669	0.430	2.406	0.923
600T150-68	0.0713	50	0.641	2.18	3.310	1.059	2.273	0.113	0.419	3.162	0.891	26.68	5350	1.0855	0.797	-0.669	0.430	2.406	0.923
600T150-97	0.1017	33	0.913	3.11	4.780	1.504	2.288	0.156	0.414	4.779	1.504	29.71	7359	3.1479	1.138	-0.656	0.421	2.416	0.926
600T150-97	0.1017	50	0.913	3.11	4.780	1.504	2.288	0.156	0.414	4.779	1.444	43.24	10885	3.1479	1.138	-0.656	0.421	2.416	0.926
600T200-33	0.0346	33	0.346	1.18	1.913	0.623	2.352	0.126	0.604	1.542	0.333	6.59	622	0.1380	0.847	-1.048	0.655	2.645	0.843
600T200-43	0.0451	33	0.451	1.53	2.494	0.810	2.353	0.163	0.602	2.076	0.565	11.16	1377	0.3055	1.098	-1.044	0.652	2.644	0.844
600T200-54	0.0566	33	0.565	1.92	3.146	1.015	2.359	0.203	0.600	2.760	0.759	15.00	2728	0.6037	1.381	-1.038	0.649	2.646	0.846
600T200-54	0.0566	50	0.565	1.92	3.146	1.015	2.359	0.203	0.600	2.641	0.717	21.48	2728	0.6037	1.381	-1.038	0.649	2.646	0.846
600T200-68	0.0713	33	0.712	2.42	3.991	1.277	2.368	0.254	0.597	3.696	1.034	20.42	4347	1.2064	1.746	-1.031	0.644	2.651	0.849
600T200-68	0.0713	50	0.712	2.42	3.991	1.277	2.368	0.254	0.597	3.540	0.973	29.12	5350	1.2064	1.746	-1.031	0.644	2.651	0.849
600T200-97	0.1017	33	1.015	3.45	5.774	1.817	2.385	0.355	0.591	5.759	1.667	32.95	7359	3.4985	2.510	-1.016	0.635	2.659	0.854
600T200-97	0.1017	50	1.015	3.45	5.774	1.817	2.385	0.355	0.591	5.559	1.568	46.95	10885	3.4985	2.510	-1.016	0.635	2.659	0.854
800T125-33'	0.0346	33	0.363	1.24	2.897	0.711	2.824	0.036	0.313	2.442	0.407	8.03	465	0.1449	0.456	-0.439	0.294	2.875	0.977
800T125-43	0.0451	33	0.473	1.61	3.774	0.925	2.824	0.046	0.311	3.484	0.640	12.65	1030	0.3208	0.589	-0.436	0.292	2.875	0.977
800T125-54	0.0566	33	0.594	2.02	4.747	1.158	2.828	0.057	0.309	4.668	0.940	18.58	2039	0.6339	0.735	-0.432	0.289	2.877	0.977
800T125-54	0.0566	50	0.594	2.02	4.747	1.158	2.828	0.057	0.309	4.427	0.824	24.66	2039	0.6339	0.735	-0.432	0.289	2.877	0.977
800T125-68	0.0713	33	0.748	2.54	6.000	1.455	2.833	0.070	0.307	5.998	1.357	26.81	4087	1.2668	0.920	-0.427	0.286	2.881	0.978
800T125-68	0.0713	50	0.748	2.54	6.000	1.455	2.833	0.070	0.307	5.956	1.216	36.40	4087	1.2668	0.920	-0.427	0.286	2.881	0.978
800T125-97	0.1017	33	1.066	3.63	8.617	2.062	2.844	0.097	0.301	8.614	2.062	40.74	8843	3.6738	1.296	-0.417	0.279	2.890	0.979
800T125-97	0.1017	50	1.066	3.63	8.617	2.062	2.844	0.097	0.301	8.614	2.062	61.72	10885	3.6738	1.296	-0.417	0.279	2.890	0.979
800T150-33'	0.0346	33	0.380	1.29	3.181	0.781	2.892	0.060	0.397	2.570	0.414	8.18	465	0.1518	0.751	-0.588	0.388	2.977	0.961
800T150-43	0.0451	33	0.496	1.69	4.145	1.016	2.892	0.077	0.395	3.690	0.655	12.95	1030	0.3361	0.972	-0.584	0.386	2.977	0.961
800T150-54	0.0566	33	0.622	2.12	5.216	1.272	2.896	0.096	0.393	4.977	0.969	19.15	2039	0.6641	1.215	-0.580	0.383	2.980	0.962
800T150-54	0.0566	50	0.622	2.12	5.216	1.272	2.896	0.096	0.393	4.693	0.844	25.27	2039	0.6641	1.215	-0.580	0.383	2.980	0.962
800T150-68	0.0713	33	0.783	2.66	6.596	1.599	2.902	0.119	0.390	6.527	1.412	27.91	4087	1.3272	1.526	-0.575	0.379	2.984	0.963
800T150-68	0.0713	50	0.783	2.66	6.596	1.599	2.902	0.119	0.390	6.361	1.255	37.58	4087	1.3272	1.526	-0.575	0.379	2.984	0.963
800T150-97	0.1017	33	1.116	3.80	9.483	2.270	2.914	0.165	0.385	9.480	2.269	44.83	8843	3.8491	2.162	-0.564	0.372	2.993	0.965
800T150-97	0.1017	50	1.116	3.80	9.483	2.270	2.914	0.165	0.385	9.480	2.192	65.62	10885	3.8491	2.162	-0.564	0.372	2.993	0.965
800T200-33'	0.0346	33	0.415	1.41	3.750	0.921	3.006	0.135	0.571	2.789	0.424	8.37	465	0.1656	1.638	-0.917	0.589	3.194	0.918
800T200-43	0.0451	33	0.541	1.84	4.888	1.198	3.006	0.175	0.569	4.044	0.676	13.35	1030	0.3667	2.124	-0.913	0.587	3.193	0.918
800T200-54	0.0566	33	0.679	2.31	6.154	1.501	3.012	0.218	0.567	5.506	1.009	19.93	2039	0.7245	2.664	-0.908	0.584	3.196	0.919
800T200-54	0.0566	50	0.679	2.31	6.154	1.501	3.012	0.218	0.567	5.151	0.872	26.09	2039	0.7245	2.664	-0.908	0.584	3.196	0.919
800T200-68	0.0713	33	0.854	2.91	7.789	1.888	3.019	0.272	0.564	7.306	1.490	29.45	4087	1.4480	3.357	-0.902	0.580	3.201	0.921
800T200-68	0.0713	50	0.854	2.91	7.789	1.888	3.019	0.272	0.564	7.053	1.310	39.22	4087	1.4480	3.357	-0.902	0.580	3.201	0.921
800T200-97	0.1017	33	1.218	4.14	11.215	2.684	3.034	0.379	0.558	11.177	2.491	49.22	8843	4.1998	4.792	-0.889	0.571	3.211	0.923
800T200-97	0.1017	50	1.218	4.14	11.215	2.684	3.034	0.379	0.558	10.834	2.347	70.28	10885	4.1998	4.792	-0.889	0.571	3.211	0.923

Section Properties • Structural Track

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties				Torsional Properties					
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _z (in ⁴)	S _z (in ³)	M _{z-L} (in-k)	V _z (lb)	Jx1000 (in ⁴)	C (in ⁶)	X _o (in)	m (in)	R _o (in)	β
1000T125-43'	0.0451	33	0.563	1.92	6.633	1.306	3.431	0.047	0.290	5.887	0.819	16.19	822	0.3819	0.973	-0.379	0.259	3.465	0.988
1000T125-54	0.0566	33	0.707	2.40	8.337	1.635	3.434	0.059	0.288	7.961	1.216	24.03	1628	0.7548	1.212	-0.376	0.256	3.467	0.988
1000T125-54	0.0566	50	0.707	2.40	8.337	1.635	3.434	0.059	0.288	7.480	1.055	31.59	1628	0.7548	1.212	-0.376	0.256	3.467	0.988
1000T125-68	0.0713	33	0.890	3.03	10.526	2.054	3.439	0.073	0.286	10.453	1.781	35.19	3261	1.5084	1.515	-0.372	0.253	3.471	0.989
1000T125-68	0.0713	50	0.890	3.03	10.526	2.054	3.439	0.073	0.286	10.156	1.575	47.15	3261	1.5084	1.515	-0.372	0.253	3.471	0.989
1000T125-97	0.1017	33	1.269	4.32	15.083	2.913	3.448	0.100	0.281	15.077	2.907	57.44	8843	4.3751	2.123	-0.363	0.247	3.478	0.989
1000T125-97	0.1017	50	1.269	4.32	15.083	2.913	3.448	0.100	0.281	15.077	2.753	82.42	9507	4.3751	2.123	-0.363	0.247	3.478	0.989
1000T150-43'	0.0451	33	0.586	1.99	7.210	1.419	3.508	0.080	0.370	6.197	0.837	16.54	822	0.3972	1.612	-0.513	0.345	3.565	0.979
1000T150-54	0.0566	33	0.735	2.50	9.065	1.778	3.512	0.100	0.368	8.433	1.249	24.69	1628	0.7850	2.013	-0.509	0.342	3.567	0.980
1000T150-54	0.0566	50	0.735	2.50	9.065	1.778	3.512	0.100	0.368	7.881	1.079	32.30	1628	0.7850	2.013	-0.509	0.342	3.567	0.980
1000T150-68	0.0713	33	0.926	3.15	11.450	2.234	3.517	0.124	0.366	11.343	1.846	36.48	3261	1.5688	2.522	-0.505	0.339	3.572	0.980
1000T150-68	0.0713	50	0.926	3.15	11.450	2.234	3.517	0.124	0.366	10.776	1.621	48.53	3261	1.5688	2.522	-0.505	0.339	3.572	0.980
1000T150-97	0.1017	33	1.320	4.49	16.420	3.171	3.527	0.172	0.361	16.414	3.165	62.54	8843	4.5504	3.557	-0.495	0.332	3.580	0.981
1000T150-97	0.1017	50	1.320	4.49	16.420	3.171	3.527	0.172	0.361	16.414	2.903	86.90	9507	4.5504	3.557	-0.495	0.332	3.580	0.981
1000T200-43'	0.0451	33	0.631	2.15	8.364	1.646	3.641	0.183	0.539	6.724	0.861	17.01	822	0.4278	3.540	-0.813	0.534	3.769	0.953
1000T200-54	0.0566	33	0.792	2.69	10.520	2.063	3.645	0.228	0.537	9.232	1.295	25.60	1628	0.8454	4.434	-0.809	0.531	3.772	0.954
1000T200-54	0.0566	50	0.792	2.69	10.520	2.063	3.645	0.228	0.537	8.563	1.111	33.26	1628	0.8454	4.434	-0.809	0.531	3.772	0.954
1000T200-68	0.0713	33	0.997	3.39	13.296	2.595	3.652	0.284	0.534	12.553	1.936	38.26	3261	1.6896	5.576	-0.803	0.527	3.777	0.955
1000T200-68	0.0713	50	0.997	3.39	13.296	2.595	3.652	0.284	0.534	11.821	1.684	50.42	3261	1.6896	5.576	-0.803	0.527	3.777	0.955
1000T200-97	0.1017	33	1.422	4.84	19.093	3.687	3.665	0.397	0.528	19.032	3.427	67.72	8843	4.9010	7.924	-0.791	0.519	3.786	0.956
1000T200-97	0.1017	50	1.422	4.84	19.093	3.687	3.665	0.397	0.528	18.584	3.081	92.26	9507	4.9010	7.924	-0.791	0.519	3.786	0.956
1200T125-54'	0.0566	33	0.820	2.79	13.341	2.187	4.034	0.060	0.271	12.297	1.492	29.47	1354	0.8756	1.820	-0.333	0.230	4.056	0.993
1200T125-54'	0.0566	50	0.820	2.79	13.341	2.187	4.034	0.060	0.271	11.463	1.286	38.51	1354	0.8756	1.820	-0.333	0.230	4.056	0.993
1200T125-68	0.0713	33	1.033	3.51	16.834	2.749	4.037	0.074	0.268	16.247	2.206	43.60	2713	1.7501	2.270	-0.329	0.227	4.060	0.993
1200T125-68	0.0713	50	1.033	3.51	16.834	2.749	4.037	0.074	0.268	15.689	1.934	57.90	2713	1.7501	2.270	-0.329	0.227	4.060	0.993
1200T125-97	0.1017	33	1.472	5.01	24.090	3.899	4.045	0.102	0.264	24.078	3.690	72.92	7902	5.0763	3.171	-0.322	0.222	4.066	0.994
1200T125-97	0.1017	50	1.472	5.01	24.090	3.899	4.045	0.102	0.264	23.752	3.443	103.07	7902	5.0763	3.171	-0.322	0.222	4.066	0.994
1200T150-54'	0.0566	33	0.848	2.89	14.384	2.358	4.118	0.103	0.348	12.964	1.530	30.23	1354	0.9059	3.033	-0.454	0.310	4.157	0.988
1200T150-54'	0.0566	50	0.848	2.89	14.384	2.358	4.118	0.103	0.348	12.023	1.313	39.32	1354	0.9059	3.033	-0.454	0.310	4.157	0.988
1200T150-68	0.0713	33	1.068	3.63	18.156	2.964	4.122	0.127	0.345	17.570	2.281	45.08	2713	1.8105	3.795	-0.450	0.307	4.161	0.988
1200T150-68	0.0713	50	1.068	3.63	18.156	2.964	4.122	0.127	0.345	16.568	1.987	59.48	2713	1.8105	3.795	-0.450	0.307	4.161	0.988
1200T150-97	0.1017	33	1.523	5.18	25.999	4.208	4.131	0.176	0.340	25.987	3.996	78.97	7902	5.2516	5.335	-0.441	0.301	4.169	0.989
1200T150-97	0.1017	50	1.523	5.18	25.999	4.208	4.131	0.176	0.340	25.720	3.616	108.27	7902	5.2516	5.335	-0.441	0.301	4.169	0.989
1200T200-54'	0.0566	33	0.905	3.08	16.470	2.700	4.266	0.236	0.510	14.081	1.582	31.26	1354	0.9663	6.714	-0.730	0.487	4.358	0.972
1200T200-54'	0.0566	50	0.905	3.08	16.470	2.700	4.266	0.236	0.510	12.965	1.350	40.42	1354	0.9663	6.714	-0.730	0.487	4.358	0.972
1200T200-68	0.0713	33	1.140	3.88	20.799	3.396	4.272	0.294	0.508	19.282	2.383	47.10	2713	1.9313	8.431	-0.725	0.483	4.363	0.972
1200T200-68	0.0713	50	1.140	3.88	20.799	3.396	4.272	0.294	0.508	18.029	2.058	61.63	2713	1.9313	8.431	-0.725	0.483	4.363	0.972
1200T200-97	0.1017	33	1.625	5.53	29.816	4.826	4.284	0.410	0.502	29.806	4.298	84.93	7902	5.6022	11.945	-0.714	0.476	4.372	0.973
1200T200-97	0.1017	50	1.625	5.53	29.816	4.826	4.284	0.410	0.502	28.962	3.819	114.35	7902	5.6022	11.945	-0.714	0.476	4.372	0.973
1200T200-118	0.1242	33	1.984	6.75	36.544	5.878	4.292	0.492	0.498	36.531	5.795	114.50	13189	10.2007	14.513	-0.706	0.471	4.378	0.974
1200T200-118	0.1242	50	1.984	6.75	36.544	5.878	4.292	0.492	0.498	36.531	5.278	158.03	14434	10.2007	14.513	-0.706	0.471	4.378	0.974

Section Properties

Section Properties • Structural Track

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties				Torsional Properties					
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _z (in ⁴)	S _z (in ³)	M _{x-L} (in-k)	V _{sp} (lb)	Jx1000 (in ⁴)	C (in ³)	X _o (in)	m (in)	R _o (in)	β
1400T125-54	0.0566	33	0.933	3.17	19.987	2.815	4.628	0.061	0.256	17.728	1.767	34.92	1160	0.9965	2.559	-0.299	0.209	4.645	0.996
1400T125-54	0.0566	50	0.933	3.17	19.987	2.815	4.628	0.061	0.256	16.412	1.517	45.42	1160	0.9965	2.559	-0.299	0.209	4.645	0.996
1400T125-68	0.0713	33	1.175	4.00	25.208	3.538	4.631	0.076	0.254	23.556	2.632	52.02	2322	1.9917	3.189	-0.296	0.206	4.648	0.996
1400T125-68	0.0713	50	1.175	4.00	25.208	3.538	4.631	0.076	0.254	22.623	2.293	68.65	2322	1.9917	3.189	-0.296	0.206	4.648	0.996
1400T125-97	0.1017	33	1.676	5.70	36.043	5.021	4.638	0.104	0.249	35.776	4.480	88.53	6761	5.7776	4.444	-0.289	0.201	4.653	0.996
1400T125-97	0.1017	50	1.676	5.70	36.043	5.021	4.638	0.104	0.249	34.591	4.134	123.77	6761	5.7776	4.444	-0.289	0.201	4.653	0.996
1400T125-118	0.1242	33	2.046	6.96	44.090	6.109	4.642	0.124	0.246	44.068	5.854	115.67	12344	10.5201	5.334	-0.284	0.197	4.657	0.996
1400T125-118	0.1242	50	2.046	6.96	44.090	6.109	4.642	0.124	0.246	43.754	5.454	163.28	12344	10.5201	5.334	-0.284	0.197	4.657	0.996
1400T150-54	0.0566	33	0.962	3.27	21.402	3.015	4.718	0.105	0.330	18.625	1.810	35.76	1160	1.0267	4.280	-0.410	0.283	4.747	0.993
1400T150-54	0.0566	50	0.962	3.27	21.402	3.015	4.718	0.105	0.330	17.156	1.547	46.33	1160	1.0267	4.280	-0.410	0.283	4.747	0.993
1400T150-68	0.0713	33	1.211	4.12	27.000	3.790	4.722	0.130	0.328	25.415	2.717	53.69	2322	2.0521	5.349	-0.407	0.280	4.751	0.993
1400T150-68	0.0713	50	1.211	4.12	27.000	3.790	4.722	0.130	0.328	23.807	2.352	70.42	2322	2.0521	5.349	-0.407	0.280	4.751	0.993
1400T150-97	0.1017	33	1.727	5.87	38.626	5.381	4.730	0.180	0.323	38.342	4.834	95.52	6761	5.9529	7.503	-0.399	0.275	4.757	0.993
1400T150-97	0.1017	50	1.727	5.87	38.626	5.381	4.730	0.180	0.323	37.288	4.332	129.70	6761	5.9529	7.503	-0.399	0.275	4.757	0.993
1400T150-118	0.1242	33	2.108	7.17	47.269	6.549	4.735	0.215	0.319	47.248	6.291	124.31	12344	10.8394	9.048	-0.393	0.270	4.762	0.993
1400T150-118	0.1242	50	2.108	7.17	47.269	6.549	4.735	0.215	0.319	46.913	5.887	176.25	12344	10.8394	9.048	-0.393	0.270	4.762	0.993
1400T200-54	0.0566	33	1.018	3.46	24.232	3.413	4.879	0.242	0.487	20.105	1.868	36.92	1160	1.0872	9.520	-0.665	0.449	4.948	0.982
1400T200-54	0.0566	50	1.018	3.46	24.232	3.413	4.879	0.242	0.487	18.392	1.589	47.57	1160	1.0872	9.520	-0.665	0.449	4.948	0.982
1400T200-68	0.0713	33	1.282	4.36	30.583	4.293	4.884	0.301	0.485	27.710	2.831	55.93	2322	2.1729	11.942	-0.661	0.446	4.952	0.982
1400T200-68	0.0713	50	1.282	4.36	30.583	4.293	4.884	0.301	0.485	25.745	2.432	72.82	2322	2.1729	11.942	-0.661	0.446	4.952	0.982
1400T200-97	0.1017	33	1.828	6.22	43.791	6.101	4.894	0.420	0.479	43.681	5.174	102.25	6761	6.3035	16.883	-0.651	0.439	4.960	0.983
1400T200-97	0.1017	50	1.828	6.22	43.791	6.101	4.894	0.420	0.479	41.756	4.559	136.49	6761	6.3035	16.883	-0.651	0.439	4.960	0.983
1400T200-118	0.1242	33	2.232	7.59	53.628	7.430	4.901	0.505	0.476	53.607	7.062	139.55	12344	11.4780	20.479	-0.644	0.434	4.966	0.983
1400T200-118	0.1242	50	2.232	7.59	53.628	7.430	4.901	0.505	0.476	53.456	6.354	190.25	12344	11.4780	20.479	-0.644	0.434	4.966	0.983
1600T125-54	0.0566	33	1.046	3.56	28.500	3.519	5.219	0.062	0.243	24.292	2.042	40.35	1014	1.1174	3.432	-0.272	0.191	5.232	0.997
1600T125-54	0.0566	50	1.046	3.56	28.500	3.519	5.219	0.062	0.243	22.355	1.748	52.33	1014	1.1174	3.432	-0.272	0.191	5.232	0.997
1600T125-68	0.0713	33	1.318	4.48	35.935	4.423	5.222	0.077	0.241	32.445	3.058	60.42	2030	2.2333	4.273	-0.268	0.189	5.234	0.997
1600T125-68	0.0713	50	1.318	4.48	35.935	4.423	5.222	0.077	0.241	31.009	2.651	79.38	2030	2.2333	4.273	-0.268	0.189	5.234	0.997
1600T125-97	0.1017	33	1.879	6.39	51.349	6.279	5.227	0.105	0.237	49.848	5.273	104.20	5908	6.4788	5.945	-0.262	0.184	5.239	0.997
1600T125-97	0.1017	50	1.879	6.39	51.349	6.279	5.227	0.105	0.237	47.837	4.826	144.48	5908	6.4788	5.945	-0.262	0.184	5.239	0.997
1600T125-118	0.1242	33	2.294	7.81	62.789	7.641	5.231	0.125	0.234	62.756	6.965	137.63	10783	11.7973	7.126	-0.257	0.181	5.243	0.998
1600T125-118	0.1242	50	2.294	7.81	62.789	7.641	5.231	0.125	0.234	60.935	6.420	192.22	10783	11.7973	7.126	-0.257	0.181	5.243	0.998
1600T150-54	0.0566	33	1.075	3.66	30.343	3.747	5.314	0.106	0.314	25.453	2.090	41.29	1014	1.1476	5.757	-0.374	0.260	5.336	0.995
1600T150-54	0.0566	50	1.075	3.66	30.343	3.747	5.314	0.106	0.314	23.309	1.782	53.34	1014	1.1476	5.757	-0.374	0.260	5.336	0.995
1600T150-68	0.0713	33	1.354	4.60	38.268	4.710	5.317	0.132	0.312	34.949	3.152	62.28	2030	2.2938	7.188	-0.371	0.258	5.339	0.995
1600T150-68	0.0713	50	1.354	4.60	38.268	4.710	5.317	0.132	0.312	32.544	2.717	81.35	2030	2.2938	7.188	-0.371	0.258	5.339	0.995
1600T150-97	0.1017	33	1.930	6.57	54.708	6.690	5.324	0.183	0.308	53.176	5.674	112.13	5908	6.6541	10.066	-0.363	0.253	5.345	0.995
1600T150-97	0.1017	50	1.930	6.57	54.708	6.690	5.324	0.183	0.308	51.389	5.047	151.12	5908	6.6541	10.066	-0.363	0.253	5.345	0.995
1600T150-118	0.1242	33	2.356	8.02	66.919	8.144	5.329	0.218	0.304	66.886	7.460	147.42	10783	12.1166	12.124	-0.358	0.249	5.350	0.996
1600T150-118	0.1242	50	2.356	8.02	66.919	8.144	5.329	0.218	0.304	65.028	6.911	206.93	10783	12.1166	12.124	-0.358	0.249	5.350	0.996

Section Properties • Structural Track

Section	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties				Torsional Properties					
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _z (in ⁴)	S _z (in ³)	M _{z-L} (in-k)	V _z (lb)	Jx1000 (in ⁴)	C (in ⁶)	X _o (in)	m (in)	R _o (in)	β
1600T200-54	0.0566	33	1.131	3.85	34.030	4.202	5.485	0.246	0.467	27.343	2.154	42.57	1014	1.2081	12.864	-0.612	0.417	5.538	0.988
1600T200-54	0.0566	50	1.131	3.85	34.030	4.202	5.485	0.246	0.467	24.873	1.827	54.71	1014	1.2081	12.864	-0.612	0.417	5.538	0.988
1600T200-68	0.0713	33	1.425	4.85	42.933	5.284	5.489	0.307	0.464	37.912	3.277	64.76	2030	2.4146	16.123	-0.607	0.414	5.542	0.988
1600T200-68	0.0713	50	1.425	4.85	42.933	5.284	5.489	0.307	0.464	35.022	2.806	84.00	2030	2.4146	16.123	-0.607	0.414	5.542	0.988
1600T200-97	0.1017	33	2.032	6.91	61.425	7.511	5.498	0.428	0.459	60.203	6.053	119.61	5908	7.0047	22.755	-0.598	0.408	5.550	0.988
1600T200-97	0.1017	50	2.032	6.91	61.425	7.511	5.498	0.428	0.459	57.306	5.298	158.64	5908	7.0047	22.755	-0.598	0.408	5.550	0.988
1600T200-118	0.1242	33	2.481	8.44	75.179	9.149	5.505	0.515	0.455	75.147	8.332	164.64	10783	12.7552	27.568	-0.592	0.403	5.556	0.989
1600T200-118	0.1242	50	2.481	8.44	75.179	9.149	5.505	0.515	0.455	73.619	7.433	222.55	10783	12.7552	27.568	-0.592	0.403	5.556	0.989

Notes:

1. Calculated properties are based on AISI S100-16 "North American Specification for the Design of Cold-Formed Steel Structural Members."
2. The centerline bend radius is based upon inside corner radii shown in Table as shown in the Thickness Table.
3. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A3.3.2.
4. Tabulated gross properties, including torsional properties, are based upon full-unreduced cross section of the studs, away from punchouts.
5. For deflection calculations, use the effective moment of inertia.
6. Allowable moment includes cold-work of forming.
7. For the steels that have both 33 and 50 ksi listing, if the design is based upon 50 ksi, the 50 ksi steel needs to be specified.
8. Web depth for track sections is equal to the nominal stud width plus 2 times the design thickness plus the bend radius. Hems on nonstructural track sections are ignored.

¹ Web-height-to-thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

Section Properties

Section Properties • Structural Slotted Deflection Track

Section	Design Thickness (in)	F _y (ksi)	Gross Properties							Effective Properties		
			Area (in ²)	Net Area (in ²)	Weight (lb/ft)	I _{xx} (in ⁴)	R _x (in)	I _{yy} (in ⁴)	R _y (in)	I _{yy} (in ⁴)	S _{yy} (in ³)	M _{ay-y} (in-k)
250SLT250-33	0.0346	33	0.259	0.156	0.883	0.178	0.827	0.339	1.144	0.129	0.087	1.43
250SLT250-43	0.0451	33	0.338	0.203	1.150	0.230	0.826	0.443	1.146	0.168	0.113	1.86
250SLT250-54	0.0566	50	0.424	0.254	1.442	0.287	0.824	0.565	1.155	0.213	0.141	3.52
250SLT250-68	0.0713	50	0.534	0.320	1.816	0.360	0.821	0.728	1.168	0.273	0.177	4.42
362SLT250-33	0.0346	33	0.298	0.194	1.015	0.200	0.820	0.740	1.575	0.312	0.144	2.38
362SLT250-43	0.0451	33	0.389	0.253	1.322	0.260	0.818	0.966	1.577	0.406	0.195	3.23
362SLT250-54	0.0566	50	0.487	0.318	1.659	0.324	0.816	1.224	1.585	0.512	0.244	6.11
362SLT250-68	0.0713	50	0.614	0.400	2.089	0.406	0.813	1.565	1.597	0.650	0.306	7.66
362SLT300-33	0.0346	33	0.333	0.194	1.133	0.327	0.992	0.861	1.608	0.312	0.144	2.38
362SLT300-43	0.0451	33	0.434	0.253	1.476	0.425	0.990	1.124	1.610	0.406	0.195	3.23
362SLT300-54	0.0566	50	0.544	0.318	1.851	0.531	0.988	1.425	1.618	0.512	0.244	6.11
362SLT300-68	0.0713	50	0.685	0.400	2.331	0.665	0.985	1.823	1.631	0.650	0.306	7.66
362SLT350-33	0.0346	33	0.367	0.194	1.250	0.495	1.161	0.981	1.634	0.312	0.144	2.38
362SLT350-43	0.0451	33	0.479	0.253	1.629	0.643	1.159	1.282	1.636	0.406	0.195	3.23
362SLT350-54	0.0566	50	0.601	0.318	2.044	0.804	1.157	1.626	1.645	0.512	0.244	6.11
362SLT350-68	0.0713	50	0.756	0.400	2.574	1.008	1.154	2.081	1.659	0.650	0.306	7.66
400SLT250-33	0.0346	33	0.311	0.207	1.059	0.207	0.815	0.914	1.714	0.396	0.162	2.68
400SLT250-43	0.0451	33	0.405	0.270	1.380	0.268	0.813	1.193	1.715	0.516	0.227	3.75
400SLT250-54	0.0566	50	0.509	0.339	1.731	0.335	0.811	1.511	1.723	0.650	0.284	7.11
400SLT250-68	0.0713	50	0.641	0.427	2.180	0.418	0.808	1.928	1.735	0.825	0.356	8.91
400SLT300-33	0.0346	33	0.346	0.207	1.177	0.338	0.989	1.060	1.751	0.396	0.162	2.68
400SLT300-43	0.0451	33	0.451	0.270	1.533	0.439	0.987	1.384	1.753	0.516	0.227	3.75
400SLT300-54	0.0566	50	0.565	0.339	1.924	0.548	0.985	1.753	1.761	0.650	0.284	7.11
400SLT300-68	0.0713	50	0.712	0.427	2.422	0.686	0.982	2.239	1.774	0.825	0.356	8.91
400SLT350-33	0.0346	33	0.380	0.207	1.295	0.511	1.159	1.207	1.781	0.396	0.162	2.68
400SLT350-43	0.0451	33	0.496	0.270	1.687	0.664	1.158	1.575	1.783	0.516	0.227	3.75
400SLT350-54	0.0566	50	0.622	0.339	2.116	0.830	1.155	1.996	1.792	0.650	0.284	7.11
400SLT350-68	0.0713	50	0.783	0.4275	2.665	1.041	1.153	2.551	1.805	0.825	0.356	8.91
600SLT250-33	0.0346	33	0.380	0.277	1.295	0.233	0.783	2.236	2.424	1.051	0.260	4.29
600SLT250-43	0.0451	33	0.496	0.360	1.687	0.303	0.781	2.916	2.425	1.425	0.378	6.24
600SLT250-54	0.0566	50	0.622	0.452	2.116	0.377	0.779	3.678	2.432	1.793	0.478	11.95
600SLT250-68	0.0713	50	0.783	0.569	2.665	0.472	0.776	4.670	2.442	2.266	0.655	16.37
600SLT300-33	0.0346	33	0.415	0.277	1.412	0.384	0.962	2.559	2.483	1.051	0.260	4.29
600SLT300-43	0.0451	33	0.541	0.360	1.840	0.498	0.960	3.337	2.484	1.425	0.378	6.24
600SLT300-54	0.0566	50	0.679	0.452	2.309	0.622	0.957	4.212	2.492	1.793	0.478	11.95
600SLT300-68	0.0713	50	0.854	0.569	2.908	0.778	0.954	5.350	2.502	2.266	0.655	16.37
600SLT350-33	0.0346	33	0.450	0.277	1.530	0.583	1.138	2.882	2.532	1.051	0.260	4.29
600SLT350-43	0.0451	33	0.586	0.360	1.994	0.757	1.136	3.759	2.533	1.425	0.378	6.24
600SLT350-54	0.0566	50	0.735	0.452	2.501	0.946	1.134	4.746	2.541	1.793	0.478	11.95
600SLT350-68	0.0713	50	0.926	0.569	3.150	1.185	1.131	6.031	2.552	2.266	0.655	16.37
800SLT250-33	0.0346	33	0.450	0.346	1.530	0.252	0.748	4.318	3.099	2.072	0.358	5.91
800SLT250-43	0.0451	33	0.586	0.451	1.994	0.326	0.746	5.629	3.100	2.878	0.530	8.74
800SLT250-54	0.0566	50	0.735	0.565	2.501	0.407	0.744	7.090	3.106	3.635	0.671	16.78
800SLT250-68	0.0713	50	0.926	0.712	3.150	0.509	0.741	8.978	3.114	4.774	0.942	23.55

Section Properties • Structural Slotted Deflection Track

Section	Design Thickness (in)	F _y (ksi)	Gross Properties							Effective Properties		
			Area (in ²)	Net Area (in ²)	Weight (lb/ft)	I _{xx} (in ⁴)	R _x (in)	I _{yy} (in ⁴)	R _y (in)	I _{yy} (in ⁴)	S _{yy} (in ³)	M _{ay-y} (in-k)
800SLT300-33	0.0346	33	0.484	0.346	1.648	0.416	0.927	4.887	3.177	2.072	0.358	5.91
800SLT300-43	0.0451	33	0.631	0.451	2.147	0.540	0.925	6.372	3.178	2.878	0.530	8.74
800SLT300-54	0.0566	50	0.792	0.565	2.694	0.675	0.923	8.028	3.184	3.635	0.671	16.78
800SLT300-68	0.0713	50	0.997	0.712	3.393	0.844	0.920	10.171	3.194	4.774	0.942	23.55
800SLT350-33	0.0346	33	0.519	0.346	1.766	0.635	1.106	5.456	3.243	2.072	0.358	5.91
800SLT350-43	0.0451	33	0.676	0.451	2.301	0.824	1.104	7.115	3.244	2.878	0.530	8.74
800SLT350-54	0.0566	50	0.848	0.565	2.887	1.030	1.102	8.966	3.251	3.635	0.671	16.78
800SLT350-68	0.0713	50	1.068	0.712	3.636	1.291	1.099	11.363	3.261	4.774	0.942	23.55
1000SLT250-43	0.0451	33	0.676	0.541	2.301	0.344	0.713	9.515	3.751	4.932	0.681	11.24
1000SLT250-54	0.0566	50	0.848	0.679	2.887	0.429	0.711	11.972	3.757	6.234	0.865	21.63
1000SLT250-68	0.0713	50	1.068	0.854	3.636	0.536	0.708	15.138	3.764	8.327	1.232	30.79
1000SLT300-43	0.0451	33	0.721	0.541	2.454	0.572	0.891	10.669	3.846	4.932	0.681	11.24
1000SLT300-54	0.0566	50	0.905	0.679	3.079	0.714	0.888	13.427	3.852	6.234	0.865	21.63
1000SLT300-68	0.0713	50	1.140	0.854	3.878	0.893	0.885	16.985	3.860	8.327	1.232	30.79
1000SLT350-43	0.0451	33	0.766	0.541	2.607	0.876	1.069	11.823	3.928	4.932	0.681	11.24
1000SLT350-54	0.0566	50	0.962	0.679	3.272	1.095	1.067	14.882	3.934	6.234	0.865	21.63
1000SLT350-68	0.0713	50	1.211	0.854	4.121	1.371	1.064	18.832	3.943	8.327	1.232	30.79
1200SLT250-54	0.0566	50	0.962	0.792	3.272	0.445	0.681	18.550	4.392	9.655	1.059	26.46
1200SLT250-68	0.0713	50	1.211	0.997	4.121	0.556	0.678	23.435	4.399	13.049	1.521	38.03
1200SLT300-54	0.0566	50	1.018	0.792	3.464	0.745	0.855	20.636	4.502	9.656	1.059	26.46
1200SLT300-68	0.0713	50	1.282	0.997	4.363	0.932	0.852	26.079	4.510	13.050	1.521	38.03
1200SLT350-54	0.0566	50	1.075	0.792	3.657	1.146	1.033	22.722	4.598	9.656	1.058	26.46
1200SLT350-68	0.0713	50	1.354	0.997	4.606	1.435	1.030	28.722	4.606	13.047	1.521	38.03
1400SLT250-54	0.0566	50	1.075	0.905	3.657	0.458	0.653	27.051	5.017	13.928	1.252	31.30
1400SLT250-68	0.0713	50	1.354	1.140	4.606	0.573	0.650	34.154	5.023	19.019	1.811	45.27
1400SLT300-54	0.0566	50	1.131	0.905	3.850	0.769	0.825	29.881	5.139	13.931	1.252	31.30
1400SLT300-68	0.0713	50	1.425	1.140	4.849	0.962	0.822	37.737	5.146	19.023	1.811	45.27
1400SLT350-54	0.0566	50	1.188	0.905	4.042	1.187	1.000	32.711	5.248	13.934	1.252	31.30
1400SLT350-68	0.0713	50	1.496	1.140	5.091	1.487	0.997	41.320	5.255	19.020	1.811	45.27
1600SLT250-54	0.0566	50	1.188	1.018	4.042	0.469	0.628	37.702	5.634	NA	NA	NA
1600SLT250-68	0.0713	50	1.496	1.282	5.091	0.586	0.626	47.580	5.639	26.302	2.100	52.50
1600SLT300-54	0.0566	50	1.245	1.018	4.235	0.789	0.796	41.389	5.767	NA	NA	NA
1600SLT300-68	0.0713	50	1.567	1.282	5.334	0.988	0.794	52.245	5.773	26.306	2.100	52.50
1600SLT350-54	0.0566	50	1.301	1.018	4.427	1.221	0.969	45.075	5.886	NA	NA	NA
1600SLT350-68	0.0713	50	1.639	1.282	5.576	1.529	0.966	56.911	5.893	26.305	2.100	52.50

Notes:

- Gross properties calculated at the gross section, away from slots.
- Web depth taken as nominal depth + (2 x thickness) + inside corner radius.
- Effective properties based on AISI S100-16 and the following: net flange on tension side; effective flange on compression side, ignoring steel below the slot; effective web per S100-16, Appendix 1, Section 1.1.2; $\Omega_b = 2.0$ per S100-16, Section A1.2 (c).
- Effective properties are not calculated for 16" x 54-mil products (web h/t > 260).

Section Properties

Web Depth-to-Thickness Ratios for Stud and Joist Members ^{2,3}

Style	Web Depth	18Mil	27Mil	30Mil	33Mil	43Mil	54Mil	68Mil	97Mil	118Mil
	(in)	0.0188"	0.0283"	0.0312"	0.0346"	0.0451"	0.0566"	0.0713"	0.1017"	0.1242"
162S	1.625	75	50	45	41	31	24	18	11	8
250S	2.500	122	81	73	66	50	39	30	20	15
350S	3.500	175	116	105	95	72	57	44	29	23
362S	3.625	182	120	109	98	75	59	46	31	24
400S	4.000	202 ¹	134	121	109	84	66	51	34	27
550S	5.500	---	187	169	153	117	92	72	49	39
600S	6.000	---	204 ¹	185	167	128	101	79	54	43
800S	8.000	---	---	249 ¹	225 ¹	172	136	107	74	59
1000S	10.000	---	---	---	---	217 ¹	172	135	93	76
1200S	12.000	---	---	---	---	---	207	163	113	92
1400S	14.000	---	---	---	---	---	242 ¹	191	133	108
1600S	16.000	---	---	---	---	---	---	219 ¹	152	124

Notes:

1. Web-height-to-thickness ratio exceeds 200.
2. Web height value used for height-to-thickness calculations is the flat width of the web. For Stud members, this is the out-to-out member size, minus twice the thickness, minus twice the inside bend radius.
3. Web-height-to-thickness values exceeding 260 are marked with a dash (-).

Non-Composite Limiting Heights • Standard Non-Equivalent Products

Member	Spacing o.c. (in)	F _y (ksi)	5 psf			Member	Spacing o.c. (in)	F _y (ksi)	5 psf		
			L/120	L/240	L/360				L/120	L/240	L/360
250S137-33	12	33	17' 6"	13' 10"	12' 1"	350S162-33	12	33	23' 9"	18' 10"	16' 5"
250S137-33	16		15' 10"	12' 7"	11' 0"	350S162-33	16		21' 7"	17' 1"	14' 11"
250S137-33	24		13' 10"	11' 0"	9' 7"	350S162-33	24		18' 10"	14' 11"	13' 1"
250S162-33	12	33	18' 4"	14' 7"	12' 9"	350S200-33	12	33	25' 0"	19' 10"	17' 4"
250S162-33	16		16' 8"	13' 3"	11' 7"	350S200-33	16		22' 9"	18' 1"	15' 9"
250S162-33	24		14' 7"	11' 7"	10' 1"	350S200-33	24		19' 10"	15' 9"	13' 9"
250S200-33	12	33	19' 5"	15' 5"	13' 5"	350S137-43	12	33	24' 7"	19' 6"	17' 1"
250S200-33	16		17' 8"	14' 0"	12' 3"	350S137-43	16		22' 4"	17' 9"	15' 6"
250S200-33	24		15' 5"	12' 3"	10' 8"	350S137-43	24		19' 6"	15' 6"	13' 6"
250S137-43	12	33	19' 0"	15' 1"	13' 2"	350S162-43	12	33	25' 10"	20' 6"	17' 11"
250S137-43	16		17' 3"	13' 8"	11' 11"	350S162-43	16		23' 5"	18' 7"	16' 3"
250S137-43	24		15' 1"	11' 11"	10' 5"	350S162-43	24		20' 6"	16' 3"	14' 2"
250S162-43	12	33	19' 11"	15' 10"	13' 10"	350S200-43	12	33	27' 3"	21' 7"	18' 11"
250S162-43	16		18' 1"	14' 4"	12' 7"	350S200-43	16		24' 9"	19' 8"	17' 2"
250S162-43	24		15' 10"	12' 7"	11' 0"	350S200-43	24		21' 7"	17' 2"	15' 0"
250S200-43	12	33	21' 1"	16' 9"	14' 8"	350S250-43	12	33	28' 9"	22' 10"	19' 11"
250S200-43	16		19' 2"	15' 3"	13' 4"	350S250-43	16		26' 1"	20' 9"	18' 1"
250S200-43	24		16' 9"	13' 4"	11' 7"	350S250-43	24		22' 10"	18' 1"	15' 10"
250S250-43	12	33	22' 4"	17' 9"	15' 6"	350S137-54	12	50	26' 4"	20' 11"	18' 3"
250S250-43	16		20' 4"	16' 1"	14' 1"	350S137-54	16		23' 11"	19' 0"	16' 7"
250S250-43	24		17' 9"	14' 1"	12' 4"	350S137-54	24		20' 11"	16' 7"	14' 6"
250S137-54	12	50	20' 3"	16' 1"	14' 1"	350S162-54	12	50	27' 8"	21' 11"	19' 2"
250S137-54	16		18' 5"	14' 8"	12' 9"	350S162-54	16		25' 1"	19' 11"	17' 5"
250S137-54	24		16' 1"	12' 9"	11' 2"	350S162-54	24		21' 11"	17' 5"	15' 2"
250S162-54	12	50	21' 4"	16' 11"	14' 9"	350S200-54	12	50	29' 2"	23' 2"	20' 3"
250S162-54	16		19' 4"	15' 5"	13' 5"	350S200-54	16		26' 6"	21' 1"	18' 5"
250S162-54	24		16' 11"	13' 5"	11' 9"	350S200-54	24		23' 2"	18' 5"	16' 1"
250S200-54	12	50	22' 7"	17' 11"	15' 8"	350S250-54	12	50	30' 10"	24' 6"	21' 5"
250S200-54	16		20' 6"	16' 4"	14' 3"	350S250-54	16		28' 0"	22' 3"	19' 5"
250S200-54	24		17' 11"	14' 3"	12' 5"	350S250-54	24		24' 6"	19' 5"	17' 0"
250S250-54	12	50	23' 11"	19' 0"	16' 7"	350S137-68	12	50	28' 2"	22' 4"	19' 6"
250S250-54	16		21' 9"	17' 3"	15' 1"	350S137-68	16		25' 7"	20' 3"	17' 9"
250S250-54	24		19' 0"	15' 1"	13' 2"	350S137-68	24		22' 4"	17' 9"	15' 6"
250S137-68	12	50	21' 8"	17' 2"	15' 0"	350S162-68	12	50	29' 7"	23' 5"	20' 6"
250S137-68	16		19' 8"	15' 7"	13' 7"	350S162-68	16		26' 10"	21' 4"	18' 7"
250S137-68	24		17' 2"	13' 7"	11' 11"	350S162-68	24		23' 5"	18' 7"	16' 3"
250S162-68	12	50	22' 9"	18' 1"	15' 9"	350S200-68	12	50	31' 3"	24' 10"	21' 8"
250S162-68	16		20' 8"	16' 5"	14' 4"	350S200-68	16		28' 5"	22' 7"	19' 8"
250S162-68	24		18' 1"	14' 4"	12' 6"	350S200-68	24		24' 10"	19' 8"	17' 3"
250S200-68	12	50	24' 2"	19' 2"	16' 9"	350S250-68	12	50	33' 1"	26' 3"	22' 11"
250S200-68	16		21' 11"	17' 5"	15' 3"	350S250-68	16		30' 0"	23' 10"	20' 10"
250S200-68	24		19' 2"	15' 3"	13' 4"	350S250-68	24		26' 3"	20' 10"	18' 2"
250S250-68	12	50	25' 8"	20' 4"	17' 9"	362S137-33	12	33	23' 3"	18' 5"	16' 1"
250S250-68	16		23' 4"	18' 6"	16' 2"	362S137-33	16		21' 1"	16' 9"	14' 8"
250S250-68	24		20' 4"	16' 2"	14' 1"	362S137-33	24		18' 5"	14' 8"	12' 10"
350S137-33	12	50	22' 7"	17' 11"	15' 8"	362S162-33	12	33	24' 4"	19' 4"	16' 11"
350S137-33	16		20' 7"	16' 4"	14' 3"	362S162-33	16		22' 2"	17' 7"	15' 4"
350S137-33	24		17' 11"	14' 3"	12' 5"	362S162-33	24		19' 4"	15' 4"	13' 5"

Limiting Wall Heights | Non-Composite

Non-Composite Limiting Heights • Standard Non-Equivalent Products

Member	Spacing o.c. (in)	F _y (ksi)	5 psf			Member	Spacing o.c. (in)	F _y (ksi)	5 psf		
			L/120	L/240	L/360				L/120	L/240	L/360
362S200-33	12	33	25'9"	20'5"	17'10"	362S162-68	12	50	30'4"	24'1"	21'1"
362S200-33	16		23'4"	18'7"	16'2"	362S162-68	16		27'7"	21'11"	19'2"
362S200-33	24		20'4"	16'2"	14'2"	362S162-68	24		24'1"	19'2"	16'9"
362S300-33	12	33	26'8"	22'4"	19'6"	362S200-68	12	50	32'2"	25'6"	22'3"
362S300-33	16		23'1"	20'3"	17'9"	362S200-68	16		29'2"	23'2"	20'3"
362S300-33	24		18'10"	17'9"	15'6"	362S200-68	24		25'6"	20'3"	17'8"
362S350-33	12	33	27'3"	23'0"	20'1"	362S250-68	12	50	33'11"	26'11"	23'6"
362S350-33	16		23'7"	20'10"	18'3"	362S250-68	16		30'10"	24'6"	21'5"
362S350-33	24		19'3"	18'3"	15'11"	362S250-68	24		26'11"	21'5"	18'8"
362S137-43	12	33	25'3"	20'1"	17'6"	362S300-68	12	50	35'7"	28'3"	24'8"
362S137-43	16		23'0"	18'3"	15'11"	362S300-68	16		32'4"	25'8"	22'5"
362S137-43	24		20'1"	15'11"	13'11"	362S300-68	24		28'3"	22'5"	19'7"
362S162-43	12	33	26'6"	21'0"	18'4"	362S350-68	12	50	37'5"	29'8"	25'11"
362S162-43	16		24'1"	19'1"	16'8"	362S350-68	16		34'0"	27'0"	23'7"
362S162-43	24		21'0"	16'8"	14'7"	362S350-68	24		29'8"	23'7"	20'7"
362S200-43	12	33	28'0"	22'3"	19'5"	362S400-68	12	50	38'9"	30'9"	26'10"
362S200-43	16		25'5"	20'2"	17'8"	362S400-68	16		35'3"	27'11"	24'5"
362S200-43	24		22'3"	17'8"	15'5"	362S400-68	24		30'9"	24'5"	21'4"
362S250-43	12	33	29'6"	23'5"	20'6"	362S137-97	12	50	31'10"	25'3"	22'1"
362S250-43	16		26'10"	21'3"	18'7"	362S137-97	16		28'11"	22'11"	20'1"
362S250-43	24		23'5"	18'7"	16'3"	362S137-97	24		25'3"	20'1"	17'6"
362S300-43	12	33	30'10"	24'6"	21'5"	362S162-97	12	50	33'6"	26'7"	23'3"
362S300-43	16		28'1"	22'3"	19'5"	362S162-97	16		30'5"	24'2"	21'1"
362S300-43	24		24'6"	19'5"	17'0"	362S162-97	24		26'7"	21'1"	18'5"
362S350-43	12	33	32'5"	25'9"	22'6"	362S200-97	12	50	35'6"	28'2"	24'8"
362S350-43	16		29'6"	23'5"	20'5"	362S200-97	16		32'3"	25'8"	22'5"
362S350-43	24		24'1"	20'5"	17'10"	362S200-97	24		28'2"	22'5"	19'7"
362S137-54	12	50	27'1"	21'6"	18'9"	362S250-97	12	50	37'7"	29'10"	26'1"
362S137-54	16		24'7"	19'6"	17'1"	362S250-97	16		34'2"	27'1"	23'8"
362S137-54	24		21'6"	17'1"	14'11"	362S250-97	24		29'10"	23'8"	20'8"
362S162-54	12	50	28'5"	22'6"	19'8"	362S300-97	12	50	39'5"	31'4"	27'4"
362S162-54	16		25'10"	20'6"	17'11"	362S300-97	16		35'10"	28'5"	24'10"
362S162-54	24		22'6"	17'11"	15'7"	362S300-97	24		31'4"	24'10"	21'9"
362S200-54	12	50	30'0"	23'10"	20'10"	362S350-97	12	50	41'7"	33'0"	28'10"
362S200-54	16		27'3"	21'8"	18'11"	362S350-97	16		37'9"	30'0"	26'2"
362S200-54	24		23'10"	18'11"	16'6"	362S350-97	24		33'0"	26'2"	22'10"
362S250-54	12	50	31'8"	25'2"	21'11"	362S400-97	12	50	43'1"	34'2"	29'11"
362S250-54	16		28'9"	22'10"	19'11"	362S400-97	16		39'2"	31'1"	27'2"
362S250-54	24		25'2"	19'11"	17'5"	362S400-97	24		34'2"	27'2"	23'9"
362S300-54	12	50	33'2"	26'4"	23'0"	362S300-118	12	50	41'9"	33'1"	28'11"
362S300-54	16		30'2"	23'11"	20'11"	362S300-118	16		37'11"	30'1"	26'3"
362S300-54	24		26'4"	20'11"	18'3"	362S300-118	24		33'1"	26'3"	22'11"
362S350-54	12	50	34'10"	27'8"	24'2"	362S350-118	12	50	44'0"	34'11"	30'6"
362S350-54	16		31'8"	25'2"	21'11"	362S350-118	16		39'11"	31'9"	27'8"
362S350-54	24		27'8"	21'11"	19'2"	362S350-118	24		34'11"	27'8"	24'2"
362S137-68	12	50	28'11"	22'11"	20'1"	362S400-118	12	50	45'8"	36'3"	31'8"
362S137-68	16		26'3"	20'10"	18'3"	362S400-118	16		41'5"	32'11"	28'9"
362S137-68	24		22'11"	18'3"	15'11"	362S400-118	24		36'3"	28'9"	25'1"

Non-Composite Limiting Heights • Standard Non-Equivalent Products

Member	Spacing o.c. (in)	F _y (ksi)	5 psf			Member	Spacing o.c. (in)	F _y (ksi)	5 psf		
			L/120	L/240	L/360				L/120	L/240	L/360
400S137-33	12	33	25'1"	19'11"	17'5"	400S250-54	12	33	34'1"	27'1"	23'8"
400S137-33	16		22'10"	18'1"	15'10"	400S250-54	16		31'0"	24'7"	21'6"
400S137-33	24		19'6"	15'10"	13'10"	400S250-54	24		27'1"	21'6"	18'9"
400S162-33	12	33	26'3"	20'10"	18'3"	400S300-54	12	50	35'8"	28'4"	24'9"
400S162-33	16		23'11"	18'11"	16'7"	400S300-54	16		32'5"	25'9"	22'6"
400S162-33	24		20'10"	16'7"	14'6"	400S300-54	24		28'4"	22'6"	19'8"
400S200-33	12	33	27'9"	22'0"	19'3"	400S350-54	12	50	37'6"	29'9"	26'0"
400S200-33	16		25'2"	20'0"	17'6"	400S350-54	16		34'1"	27'1"	23'8"
400S200-33	24		21'11"	17'6"	15'3"	400S350-54	24		29'9"	23'8"	20'8"
400S300-33	12	33	28'3"	24'0"	21'0"	400S400-54	12	50	37'9"	30'0"	26'2"
400S300-33	16		24'6"	21'10"	19'1"	400S400-54	16		34'4"	27'3"	23'10"
400S300-33	24		20'0"	19'1"	16'8"	400S400-54	24		30'0"	23'10"	20'10"
400S350-33	12	33	28'11"	24'8"	21'7"	400S137-68	12	50	31'3"	24'10"	21'8"
400S350-33	16		25'1"	22'5"	19'7"	400S137-68	16		28'5"	22'7"	19'8"
400S350-33	24		20'6"	19'7"	17'2"	400S137-68	24		24'10"	19'8"	17'2"
400S400-33	12	33	29'1"	25'1"	21'11"	400S162-68	12	50	32'10"	26'0"	22'9"
400S400-33	16		25'2"	22'10"	19'11"	400S162-68	16		29'10"	23'8"	20'8"
400S400-33	24		20'7"	19'11"	17'5"	400S162-68	24		26'0"	20'8"	18'1"
400S137-43	12	33	27'4"	21'8"	18'11"	400S200-68	12	50	34'8"	27'6"	24'0"
400S137-43	16		24'10"	19'8"	17'2"	400S200-68	16		31'6"	25'0"	21'10"
400S137-43	24		21'8"	17'2"	15'0"	400S200-68	24		27'6"	21'10"	19'1"
400S162-43	12	33	28'7"	22'8"	19'10"	400S250-68	12	50	36'7"	29'0"	25'4"
400S162-43	16		26'0"	20'7"	18'0"	400S250-68	16		33'3"	26'4"	23'0"
400S162-43	24		22'8"	18'0"	15'9"	400S250-68	24		29'0"	23'0"	20'1"
400S200-43	12	33	30'2"	23'11"	20'11"	400S300-68	12	50	38'3"	30'5"	26'7"
400S200-43	16		27'5"	21'9"	19'0"	400S300-68	16		34'9"	27'7"	24'1"
400S200-43	24		23'11"	19'0"	16'7"	400S300-68	24		30'5"	24'1"	21'1"
400S250-43	12	33	31'9"	25'3"	22'0"	400S350-68	12	50	40'3"	32'0"	27'11"
400S250-43	16		28'10"	22'11"	20'0"	400S350-68	16		36'7"	29'0"	25'4"
400S250-43	24		25'3"	20'0"	17'6"	400S350-68	24		32'0"	25'4"	22'2"
400S300-43	12	33	33'2"	26'4"	23'0"	400S400-68	12	50	41'8"	33'1"	28'11"
400S300-43	16		30'1"	23'11"	20'11"	400S400-68	16		37'11"	30'1"	26'3"
400S300-43	24		26'4"	20'11"	18'3"	400S400-68	24		33'1"	26'3"	22'11"
400S350-43	12	33	34'11"	27'9"	24'3"	400S137-97	12	50	34'5"	27'4"	23'11"
400S350-43	16		31'4"	25'2"	22'0"	400S137-97	16		31'3"	24'10"	21'8"
400S350-43	24		25'7"	22'0"	19'3"	400S137-97	24		27'4"	21'8"	18'11"
400S400-43	12	33	35'9"	28'4"	24'9"	400S162-97	12	50	36'3"	28'9"	25'1"
400S400-43	16		31'6"	25'9"	22'6"	400S162-97	16		32'11"	26'1"	22'10"
400S400-43	24		25'9"	22'6"	19'8"	400S162-97	24		28'9"	22'10"	19'11"
400S137-54	12	33	29'3"	23'2"	20'3"	400S200-97	12	50	38'4"	30'5"	26'7"
400S137-54	16		26'7"	21'1"	18'5"	400S200-97	16		34'10"	27'8"	24'2"
400S137-54	24		23'2"	18'5"	16'1"	400S200-97	24		30'5"	24'2"	21'1"
400S162-54	12	33	30'8"	24'4"	21'3"	400S250-97	12	50	40'7"	32'2"	28'1"
400S162-54	16		27'10"	22'1"	19'4"	400S250-97	16		36'10"	29'3"	25'6"
400S162-54	24		24'4"	19'4"	16'10"	400S250-97	24		32'2"	25'6"	22'4"
400S200-54	12	33	32'4"	25'8"	22'5"	400S300-97	12	50	42'6"	33'9"	29'6"
400S200-54	16		29'5"	23'4"	20'5"	400S300-97	16		38'7"	30'8"	26'9"
400S200-54	24		25'8"	20'5"	17'10"	400S300-97	24		33'9"	26'9"	23'5"

Limiting Wall Heights | Non-Composite

Non-Composite Limiting Heights • Standard Non-Equivalent Products

Member	Spacing o.c. (in)	F _y (ksi)	5 psf			Member	Spacing o.c. (in)	F _y (ksi)	5 psf		
			L/120	L/240	L/360				L/120	L/240	L/360
400S350-97	12	50	44'9"	35'6"	31'1"	550S137-68	12	50	40'4"	32'0"	28'0"
400S350-97	16		40'8"	32'3"	28'2"	550S137-68	16		36'8"	29'1"	25'5"
400S350-97	24		35'6"	28'2"	24'8"	550S137-68	24		32'0"	25'5"	22'2"
400S400-97	12	50	46'5"	36'10"	32'2"	550S162-68	12	50	42'2"	33'6"	29'3"
400S400-97	16		42'2"	33'5"	29'3"	550S162-68	16		38'4"	30'5"	26'7"
400S400-97	24		36'10"	29'3"	25'6"	550S162-68	24		33'6"	26'7"	23'3"
400S300-118	12	50	44'11"	35'8"	31'2"	550S200-68	12	50	44'5"	35'3"	30'10"
400S300-118	16		40'10"	32'5"	28'4"	550S200-68	16		40'4"	32'0"	28'0"
400S300-118	24		35'8"	28'4"	24'9"	550S200-68	24		35'3"	28'0"	24'5"
400S350-118	12	50	47'5"	37'8"	32'10"	550S250-68	12	50	46'8"	37'0"	32'4"
400S350-118	16		43'1"	34'2"	29'10"	550S250-68	16		42'4"	33'7"	29'4"
400S350-118	24		37'8"	29'10"	26'1"	550S250-68	24		37'0"	29'4"	25'8"
400S400-118	12	50	49'2"	39'0"	34'1"	550S137-97	12	50	44'7"	35'5"	30'11"
400S400-118	16		44'8"	35'5"	31'0"	550S137-97	16		40'6"	32'2"	28'1"
400S400-118	24		39'0"	31'0"	27'1"	550S137-97	24		35'5"	28'1"	24'6"
550S137-33	12	33	32'3"	25'7"	22'5"	550S162-97	12	50	46'8"	37'1"	32'5"
550S137-33	16		28'10"	23'3"	20'4"	550S162-97	16		42'5"	33'8"	29'5"
550S137-33	24		23'7"	20'4"	17'9"	550S162-97	24		37'1"	29'5"	25'8"
550S162-33	12	33	33'8"	26'9"	23'4"	550S200-97	12	50	49'3"	39'1"	34'2"
550S162-33	16		30'7"	24'4"	21'3"	550S200-97	16		44'9"	35'6"	31'1"
550S162-33	24		25'3"	21'3"	18'6"	550S200-97	24		39'1"	31'1"	27'1"
550S200-33	12	33	35'5"	28'1"	24'7"	550S250-97	12	50	51'10"	41'1"	35'11"
550S200-33	16		32'2"	25'6"	22'4"	550S250-97	16		47'1"	37'4"	32'8"
550S200-33	24		26'11"	22'4"	19'6"	550S250-97	24		41'1"	32'8"	28'6"
550S137-43	12	33	35'2"	27'11"	24'4"	600S137-33	12	33	34'5"	27'6"	24'0"
550S137-43	16		31'11"	25'4"	22'2"	600S137-33	16		30'2"	24'11"	21'10"
550S137-43	24		27'11"	22'2"	19'4"	600S137-33	24		24'7"	21'9"	19'1"
550S162-43	12	33	36'8"	29'1"	25'5"	600S162-33	12	33	36'1"	28'8"	25'0"
550S162-43	16		33'4"	26'5"	23'1"	600S162-33	16		32'5"	26'0"	22'9"
550S162-43	24		29'1"	23'1"	20'2"	600S162-33	24		26'6"	22'9"	19'10"
550S200-43	12	33	38'7"	30'7"	26'9"	600S200-33	12	33	37'11"	30'1"	26'3"
550S200-43	16		35'1"	27'10"	24'4"	600S200-33	16		34'4"	27'4"	23'10"
550S200-43	24		30'7"	24'4"	21'3"	600S200-33	24		28'3"	23'10"	20'10"
550S250-43	12	33	40'5"	32'1"	28'1"	600S300-33	12	33	34'8"	31'10"	27'10"
550S250-43	16		36'9"	29'2"	25'6"	600S300-33	16		30'0"	28'11"	25'3"
550S250-43	24		32'1"	25'6"	22'3"	600S300-33	24		24'6"	24'6"	22'1"
550S137-54	12	50	37'8"	29'11"	26'1"	600S350-33	12	33	36'5"	33'1"	28'11"
550S137-54	16		34'3"	27'2"	23'9"	600S350-33	16		31'7"	30'1"	26'3"
550S137-54	24		29'11"	23'9"	20'9"	600S350-33	24		25'9"	25'9"	23'0"
550S162-54	12	50	39'4"	31'3"	27'3"	600S400-33	12	33	37'0"	33'9"	29'6"
550S162-54	16		35'9"	28'5"	24'9"	600S400-33	16		32'0"	30'8"	26'9"
550S162-54	24		31'3"	24'9"	21'8"	600S400-33	24		26'2"	26'2"	23'5"
550S200-54	12	50	41'5"	32'10"	28'8"	600S137-43	12	33	37'8"	29'11"	26'2"
550S200-54	16		37'7"	29'10"	26'1"	600S137-43	16		34'3"	27'2"	23'9"
550S200-54	24		32'10"	26'1"	22'9"	600S137-43	24		29'7"	23'9"	20'9"
550S250-54	12	50	43'5"	34'6"	30'1"	600S162-43	12	33	39'4"	31'2"	27'3"
550S250-54	16		39'6"	31'4"	27'4"	600S162-43	16		35'9"	28'4"	24'9"
550S250-54	24		34'6"	27'4"	23'11"	600S162-43	24		31'2"	24'9"	21'8"

Non-Composite Limiting Heights • Standard Non-Equivalent Products

Member	Spacing o.c. (in)	F _y (ksi)	5 psf			M ^o mb ^r	Spacing o.c. (in)	F _y (ksi)	5 psf		
			L/120	L/240	L/360				L/120	L/240	L/360
600S200-43	12	33	41'3"	32'9"	28'7"	600S350-68	12	50	54'8"	43'5"	37'11"
600S200-43	16		37'6"	29'9"	26'0"	600S350-68	16		49'8"	39'5"	34'5"
600S200-43	24		32'9"	26'0"	22'9"	600S350-68	24		43'5"	34'5"	30'1"
600S250-43	12	33	43'3"	34'4"	30'0"	600S400-68	12	50	56'6"	44'10"	39'2"
600S250-43	16		39'3"	31'2"	27'3"	600S400-68	16		51'4"	40'9"	35'7"
600S250-43	24		34'4"	27'3"	23'10"	600S400-68	24		44'10"	35'7"	31'1"
600S300-43	12	33	44'5"	35'3"	30'10"	600S137-97	12	50	47'11"	38'0"	33'2"
600S300-43	16		40'4"	32'1"	28'0"	600S137-97	16		43'6"	34'6"	30'2"
600S300-43	24		33'5"	28'0"	24'5"	600S137-97	24		38'0"	30'2"	26'4"
600S350-43	12	33	45'7"	37'6"	32'9"	600S162-97	12	50	50'1"	39'9"	34'9"
600S350-43	16		39'5"	34'0"	29'9"	600S162-97	16		45'6"	36'2"	31'7"
600S350-43	24		32'3"	29'9"	26'0"	600S162-97	24		39'9"	31'7"	27'7"
600S400-43	12	33	46'3"	38'2"	33'4"	600S200-97	12	50	52'10"	41'11"	36'7"
600S400-43	16		40'1"	34'8"	30'4"	600S200-97	16		48'0"	38'1"	33'3"
600S400-43	24		32'9"	30'4"	26'6"	600S200-97	24		41'11"	33'3"	29'1"
600S137-54	12	50	40'5"	32'1"	28'0"	600S250-97	12	50	55'5"	44'0"	38'5"
600S137-54	16		36'9"	29'2"	25'6"	600S250-97	16		50'4"	40'0"	34'11"
600S137-54	24		32'1"	25'6"	22'3"	600S250-97	24		44'0"	34'11"	30'6"
600S162-54	12	50	42'2"	33'6"	29'3"	600S300-97	12	50	57'10"	45'11"	40'1"
600S162-54	16		38'4"	30'5"	26'7"	600S300-97	16		52'7"	41'9"	36'5"
600S162-54	24		33'6"	26'7"	23'3"	600S300-97	24		45'11"	36'5"	31'10"
600S200-54	12	50	44'4"	35'2"	30'9"	600S350-97	12	50	60'11"	48'4"	42'3"
600S200-54	16		40'3"	32'0"	27'11"	600S350-97	16		55'4"	43'11"	38'5"
600S200-54	24		35'2"	27'11"	24'5"	600S350-97	24		48'4"	38'5"	33'6"
600S250-54	12	50	46'5"	36'10"	32'2"	600S400-97	12	50	62'11"	50'0"	43'8"
600S250-54	16		42'2"	33'6"	29'3"	600S400-97	16		57'2"	45'5"	39'8"
600S250-54	24		36'10"	29'3"	25'7"	600S400-97	24		50'0"	39'8"	34'8"
600S300-54	12	50	48'5"	38'5"	33'7"	600S300-118	12	50	61'4"	48'8"	42'6"
600S300-54	16		43'11"	34'11"	30'6"	600S300-118	16		55'8"	44'2"	38'7"
600S300-54	24		38'4"	30'6"	26'8"	600S300-118	24		48'8"	38'7"	33'9"
600S350-54	12	50	50'11"	40'5"	35'3"	600S350-118	12	50	64'8"	51'4"	44'10"
600S350-54	16		46'3"	36'8"	32'1"	600S350-118	16		58'9"	46'7"	40'9"
600S350-54	24		40'4"	32'1"	28'0"	600S350-118	24		51'4"	40'9"	35'7"
600S400-54	12	50	51'10"	41'2"	36'0"	600S400-118	12	50	66'10"	53'0"	46'4"
600S400-54	16		47'2"	37'5"	32'8"	600S400-118	16		60'8"	48'2"	42'1"
600S400-54	24		41'2"	32'8"	28'7"	600S400-118	24		53'0"	42'1"	36'9"
600S137-68	12	50	43'4"	34'4"	30'0"	800S137-33	12	33	39'10"	34'3"	30'2"
600S137-68	16		39'4"	31'3"	27'3"	800S137-33	16		34'6"	31'1"	27'4"
600S137-68	24		34'4"	27'3"	23'10"	800S137-33	24		28'2"	27'1"	23'10"
600S162-68	12	50	45'3"	35'11"	31'4"	800S162-33	12	33	43'3"	35'8"	31'4"
600S162-68	16		41'1"	32'7"	28'6"	800S162-33	16		37'5"	32'4"	28'5"
600S162-68	24		35'11"	28'6"	24'11"	800S162-33	24		30'7"	28'2"	24'9"
600S200-68	12	50	47'7"	37'9"	33'0"	800S200-33	12	33	46'5"	37'9"	33'0"
600S200-68	16		43'2"	34'3"	29'11"	800S200-33	16		40'2"	34'3"	29'11"
600S200-68	24		37'9"	29'11"	26'2"	800S200-33	24		32'10"	29'11"	26'2"
600S250-68	12	50	49'10"	39'7"	34'7"	800S137-43	12	33	47'3"	37'10"	33'1"
600S250-68	16		45'4"	35'11"	31'5"	800S137-43	16		41'10"	34'4"	30'0"
600S250-68	24		39'7"	31'5"	27'5"	800S137-43	24		34'2"	29'11"	26'3"
600S300-68	12	50	52'0"	41'3"	36'0"	800S162-43	12	33	49'2"	39'4"	34'4"
600S300-68	16		47'3"	37'6"	32'9"	800S162-43	16		44'7"	35'8"	31'2"
600S300-68	24		41'3"	32'9"	28'7"	800S162-43	24		36'10"	31'1"	27'3"

Limiting Wall Heights | Non-Composite

Non-Composite Limiting Heights • Standard Non-Equivalent Products

Member	Spacing o.c. (in)	F _y (ksi)	5 psf			Member	Spacing o.c. (in)	F _y (ksi)	5 psf		
			L/120	L/240	L/360				L/120	L/240	L/360
800S200-43	12	33	51'10"	41'1"	35'11"	800S200-68	12	50	59'9"	47'5"	41'5"
800S200-43	16		47'1"	37'4"	32'8"	800S200-68	16		54'4"	43'1"	37'8"
800S200-43	24		39'5"	32'8"	28'6"	800S200-68	24		47'5"	37'8"	32'11"
800S250-43	12	33	54'0"	42'11"	37'6"	800S250-68	12	50	62'5"	49'6"	43'3"
800S250-43	16		49'1"	39'0"	34'0"	800S250-68	16		56'8"	45'0"	39'4"
800S250-43	24		40'5"	34'0"	29'9"	800S250-68	24		49'6"	39'4"	34'4"
800S300-43	12	33	52'6"	42'7"	37'2"	800S300-68	12	50	64'10"	51'5"	44'11"
800S300-43	16		45'5"	38'8"	33'9"	800S300-68	16		58'11"	46'9"	40'10"
800S300-43	24		37'1"	33'9"	29'6"	800S300-68	24		51'5"	40'10"	35'8"
800S350-43	12	33	52'10"	46'0"	40'2"	800S350-68	12	50	68'1"	54'1"	47'3"
800S350-43	16		45'9"	41'9"	36'6"	800S350-68	16		61'11"	49'1"	42'11"
800S350-43	24		37'5"	36'6"	31'10"	800S350-68	24		54'1"	42'11"	37'6"
800S400-43	12	33	52'9"	46'6"	40'7"	800S400-68	12	50	70'2"	55'8"	48'8"
800S400-43	16		45'8"	42'3"	36'11"	800S400-68	16		63'9"	50'7"	44'2"
800S400-43	24		37'3"	36'11"	32'3"	800S400-68	24		55'8"	44'2"	38'7"
800S137-54	12	50	51'2"	40'7"	35'6"	800S137-97	12	50	60'10"	48'4"	42'2"
800S137-54	16		46'5"	36'11"	32'3"	800S137-97	16		55'4"	43'11"	38'4"
800S137-54	24		40'6"	32'3"	28'2"	800S137-97	24		48'4"	38'4"	33'6"
800S162-54	12	50	53'2"	42'3"	36'10"	800S162-97	12	50	63'5"	50'4"	43'11"
800S162-54	16		48'4"	38'4"	33'6"	800S162-97	16		57'7"	45'9"	39'11"
800S162-54	24		42'1"	33'6"	29'3"	800S162-97	24		50'4"	39'11"	34'11"
800S200-54	12	50	55'8"	44'2"	38'7"	800S200-97	12	50	66'6"	52'9"	46'1"
800S200-54	16		50'7"	40'2"	35'1"	800S200-97	16		60'5"	47'11"	41'11"
800S200-54	24		44'2"	35'1"	30'8"	800S200-97	24		52'9"	41'11"	36'7"
800S250-54	12	50	58'1"	46'1"	40'3"	800S250-97	12	50	69'6"	55'2"	48'2"
800S250-54	16		52'9"	41'10"	36'7"	800S250-97	16		63'1"	50'1"	43'9"
800S250-54	24		46'1"	36'7"	31'11"	800S250-97	24		55'2"	43'9"	38'3"
800S300-54	12	50	60'4"	47'10"	41'10"	800S300-97	12	50	72'3"	57'4"	50'1"
800S300-54	16		54'9"	43'6"	38'0"	800S300-97	16		65'8"	52'1"	45'6"
800S300-54	24		47'8"	38'0"	33'2"	800S300-97	24		57'4"	45'6"	39'9"
800S350-54	12	50	63'4"	50'3"	43'11"	800S350-97	12	50	76'0"	60'4"	52'8"
800S350-54	16		57'6"	45'8"	39'11"	800S350-97	16		69'1"	54'10"	47'10"
800S350-54	24		50'1"	39'11"	34'10"	800S350-97	24		60'4"	47'10"	41'10"
800S400-54	12	50	61'11"	49'2"	42'11"	800S400-97	12	50	78'4"	62'2"	54'4"
800S400-54	16		56'3"	44'8"	39'0"	800S400-97	16		71'2"	56'6"	49'4"
800S400-54	24		49'2"	39'0"	34'1"	800S400-97	24		62'2"	49'4"	43'1"
800S137-68	12	50	54'11"	43'7"	38'1"	800S300-118	12	50	76'8"	60'10"	53'2"
800S137-68	16		49'10"	39'7"	34'7"	800S300-118	16		69'8"	55'3"	48'3"
800S137-68	24		43'7"	34'7"	30'2"	800S300-118	24		60'10"	48'3"	42'2"
800S162-68	12	50	57'1"	45'4"	39'7"	800S350-118	12	50	80'8"	64'1"	55'11"
800S162-68	16		51'10"	41'2"	35'11"	800S350-118	16		73'4"	58'2"	50'10"
800S162-68	24		45'4"	35'11"	31'5"	800S350-118	24		64'1"	50'10"	44'5"
					800S400-118	12	50	83'2"	66'0"	57'8"	
					800S400-118	16		75'7"	60'0"	52'5"	
					800S400-118	24		66'0"	52'5"	45'9"	

Notes:

1. 5 psf, 7.5 psf, and 10 psf loads have NOT been reduced for strength or deflection checks. Full lateral load is applied.
2. Calculated properties are based on AISI S100-16, North American Specification for Cold-Formed Steel Structural Members.
3. Limiting heights are based on continuous support of each flange over the full length of the stud.
4. Limiting heights are based on steel properties only (non-composite).
5. Web crippling checks are based on end-one flange loading condition using 1-inch end bearing.
6. Allowable Flexural Strength is based on lateral and torsional bracing at a maximum spacing of 4 feet on center.

° Web stiffeners are required at all support points and concentric loads.

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Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			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
250S137-33	12	33	10'10"	9'5"	8'0"	9'10"	8'7"	7'3"	9'1"	8'0"	6'9"	8'4"	7'6"	6'4"	7'8"	7'2"	6'0"	7'2"	6'10"	5'9"
250S137-33	16	33	9'10"	8'7"	7'3"	8'10"	7'10"	6'7"	7'10"	7'3"	6'1"	7'2"	6'10"	5'9"	6'8"	6'6"	5'6"	6'3"	6'2"	5'3"
250S137-33	24	33	8'4"	7'6"	6'4"	7'2"	6'10"	5'9"	6'5"	6'4"	5'4"	5'10"	5'10"	5'0"	5'5"	5'5"	4'9"	5'1"	5'1"	4'7"
250S137-43	12	33	11'9"	10'3"	8'8"	10'8"	9'4"	7'10"	9'11"	8'8"	7'4"	9'4"	8'2"	6'11"	8'10"	7'9"	6'6"	8'6"	7'5"	6'3"
250S137-43	16	33	10'8"	9'4"	7'10"	9'9"	8'6"	7'2"	9'0"	7'10"	6'8"	8'6"	7'5"	6'3"	8'1"	7'0"	5'11"	7'6"	6'9"	5'8"
250S137-43	24	33	9'4"	8'2"	6'11"	8'6"	7'5"	6'3"	7'9"	6'11"	5'10"	7'1"	6'6"	5'6"	6'7"	6'2"	5'2"	6'2"	5'11"	5'0"
250S137-54	12	33	12'7"	11'0"	9'3"	11'5"	10'0"	8'5"	10'7"	9'3"	7'10"	10'0"	8'9"	7'4"	9'6"	8'3"	7'0"	9'1"	7'11"	6'8"
250S137-54	16	33	11'5"	10'0"	8'5"	10'5"	9'1"	7'8"	9'8"	8'5"	7'1"	9'1"	7'11"	6'8"	8'7"	7'6"	6'4"	8'3"	7'2"	6'1"
250S137-54	24	33	10'0"	8'9"	7'4"	9'1"	7'11"	6'8"	8'5"	7'4"	6'2"	7'11"	6'11"	5'10"	7'5"	6'7"	5'7"	6'11"	6'3"	5'4"
250S137-54	12	50	12'7"	11'0"	9'3"	11'5"	10'0"	8'5"	10'7"	9'3"	7'10"	10'0"	8'9"	7'4"	9'6"	8'3"	7'0"	9'1"	7'11"	6'8"
250S137-54	16	50	11'5"	10'0"	8'5"	10'5"	9'1"	7'8"	9'8"	8'5"	7'1"	9'1"	7'11"	6'8"	8'7"	7'6"	6'4"	8'3"	7'2"	6'1"
250S137-54	24	50	10'0"	8'9"	7'4"	9'1"	7'11"	6'8"	8'5"	7'4"	6'2"	7'11"	6'11"	5'10"	7'6"	6'7"	5'7"	7'2"	6'3"	5'4"
250S137-68	12	33	13'5"	11'9"	9'11"	12'2"	10'8"	9'0"	11'4"	9'11"	8'4"	10'8"	9'4"	7'10"	10'1"	8'10"	7'5"	9'8"	8'5"	7'1"
250S137-68	16	33	12'2"	10'8"	9'0"	11'1"	9'8"	8'2"	10'3"	9'0"	7'7"	9'8"	8'5"	7'1"	9'2"	8'0"	6'9"	8'9"	7'8"	6'6"
250S137-68	24	33	10'8"	9'4"	7'10"	9'8"	8'5"	7'1"	9'0"	7'10"	6'7"	8'5"	7'5"	6'3"	8'0"	7'0"	5'11"	7'8"	6'8"	5'8"
250S137-68	12	50	13'5"	11'9"	9'11"	12'2"	10'8"	9'0"	11'4"	9'11"	8'4"	10'8"	9'4"	7'10"	10'1"	8'10"	7'5"	9'8"	8'5"	7'1"
250S137-68	16	50	12'2"	10'8"	9'0"	11'1"	9'8"	8'2"	10'3"	9'0"	7'7"	9'8"	8'5"	7'1"	9'2"	8'0"	6'9"	8'9"	7'8"	6'6"
250S137-68	24	50	10'8"	9'4"	7'10"	9'8"	8'5"	7'1"	9'0"	7'10"	6'7"	8'5"	7'5"	6'3"	8'0"	7'0"	5'11"	7'8"	6'8"	5'8"
250S162-33	12	33	11'4"	9'11"	8'5"	10'4"	9'0"	7'7"	9'7"	8'5"	7'1"	8'11"	7'11"	6'8"	8'3"	7'6"	6'4"	7'8"	7'2"	6'0"
250S162-33	16	33	10'4"	9'0"	7'7"	9'5"	8'2"	6'11"	8'5"	7'7"	6'5"	7'8"	7'2"	6'0"	7'2"	6'10"	5'9"	6'8"	6'6"	5'6"
250S162-33	24	33	8'11"	7'11"	6'8"	7'8"	7'2"	6'0"	6'11"	6'8"	5'7"	6'3"	6'3"	5'3"	5'10"	5'10"	5'5"	5'5"	5'5"	4'10"
250S162-43	12	33	12'4"	10'10"	9'1"	11'3"	9'10"	8'3"	10'5"	9'1"	7'8"	9'10"	8'7"	7'3"	9'4"	8'2"	6'10"	8'11"	7'9"	6'7"
250S162-43	16	33	11'3"	9'10"	8'3"	10'2"	8'11"	7'6"	9'6"	8'3"	7'0"	8'11"	7'9"	6'7"	8'6"	7'5"	6'3"	8'1"	7'1"	6'0"
250S162-43	24	33	9'10"	8'7"	7'3"	8'11"	7'9"	6'7"	8'3"	7'3"	6'1"	7'7"	6'10"	5'9"	7'1"	6'6"	5'5"	6'7"	6'2"	5'3"
250S162-54	12	33	13'3"	11'7"	9'9"	12'0"	10'6"	8'10"	11'2"	9'9"	8'3"	10'6"	9'2"	7'9"	10'0"	8'8"	7'4"	9'6"	8'4"	7'0"
250S162-54	16	33	12'0"	10'6"	8'10"	10'11"	9'6"	8'0"	10'2"	8'10"	7'6"	9'6"	8'4"	7'0"	9'1"	7'11"	6'8"	8'8"	7'7"	6'5"
250S162-54	24	33	10'6"	9'2"	7'9"	9'6"	8'4"	7'0"	8'10"	7'9"	6'6"	8'4"	7'3"	6'2"	7'11"	6'11"	5'10"	7'5"	6'7"	5'7"
250S162-54	12	50	13'3"	11'7"	9'9"	12'0"	10'6"	8'10"	11'2"	9'9"	8'3"	10'6"	9'2"	7'9"	10'0"	8'8"	7'4"	9'6"	8'4"	7'0"
250S162-54	16	50	12'0"	10'6"	8'10"	10'11"	9'6"	8'0"	10'2"	8'10"	7'6"	9'6"	8'4"	7'0"	9'1"	7'11"	6'8"	8'8"	7'7"	6'5"
250S162-54	24	50	10'6"	9'2"	7'9"	9'6"	8'4"	7'0"	8'10"	7'9"	6'6"	8'4"	7'3"	6'2"	7'11"	6'11"	5'10"	7'7"	6'7"	5'7"
250S162-68	12	33	14'1"	12'4"	10'5"	12'10"	11'2"	9'5"	11'11"	10'5"	8'9"	11'2"	9'9"	8'3"	10'8"	9'4"	7'10"	10'2"	8'11"	7'6"
250S162-68	16	33	12'10"	11'2"	9'5"	11'8"	10'2"	8'7"	10'10"	9'5"	8'0"	10'2"	8'11"	7'6"	9'8"	8'5"	7'1"	9'3"	8'1"	6'10"
250S162-68	24	33	11'2"	9'9"	8'3"	10'2"	8'11"	7'6"	9'5"	8'3"	7'0"	8'11"	7'9"	6'7"	8'5"	7'5"	6'3"	8'1"	7'1"	5'11"
250S162-68	12	50	14'1"	12'4"	10'5"	12'10"	11'2"	9'5"	11'11"	10'5"	8'9"	11'2"	9'9"	8'3"	10'8"	9'4"	7'10"	10'2"	8'11"	7'6"
250S162-68	16	50	12'10"	11'2"	9'5"	11'8"	10'2"	8'7"	10'10"	9'5"	8'0"	10'2"	8'11"	7'6"	9'8"	8'5"	7'1"	9'3"	8'1"	6'10"
250S162-68	24	50	11'2"	9'9"	8'3"	10'2"	8'11"	7'6"	9'5"	8'3"	7'0"	8'11"	7'9"	6'7"	8'5"	7'5"	6'3"	8'1"	7'1"	5'11"
350S162-33	12	33	14'8"	12'10"	10'10"	13'0"	11'8"	9'10"	11'8"	10'10"	9'2"	10'8"	10'2"	8'7"	9'10"	9'8"	8'2"	9'2"	9'2"	7'10"
350S162-33	16	33	13'0"	11'8"	9'10"	11'3"	10'7"	8'11"	10'1"	9'10"	8'4"	9'2"	9'2"	7'10"	8'6"	8'6"	7'5"	8'0"	8'0"	7'1"
350S162-33	24	33	10'8"	10'2"	8'7"	9'2"	7'10"	6'10"	8'3"	8'3"	7'3"	7'6"	7'6"	6'10"	7'0"	6'6"	6'6"	6'6"	6'6"	6'2"
350S162-43	12	33	16'0"	14'0"	11'9"	14'6"	12'8"	10'8"	13'6"	11'9"	9'11"	12'6"	11'1"	9'4"	11'7"	10'6"	8'11"	10'10"	10'1"	8'6"
350S162-43	16	33	14'6"	12'8"	10'8"	13'2"	11'6"	9'9"	11'10"	10'8"	9'0"	10'10"	10'1"	8'6"	10'0"	9'7"	8'1"	9'5"	9'2"	7'9"
350S162-43	24	33	12'6"	11'1"	9'4"	10'10"	10'1"	8'6"	9'8"	9'4"	7'11"	8'10"	8'10"	7'5"	8'2"	8'2"	7'1"	7'8"	7'8"	6'9"
350S162-54	12	33	17'2"	15'0"	12'7"	15'7"	13'7"	11'6"	14'5"	12'7"	10'8"	13'7"	11'10"	10'0"	12'11"	11'3"	9'6"	12'2"	10'9"	9'1"
350S162-54	16	33	15'7"	13'7"	11'6"	14'2"	12'4"	10'5"	13'1"	11'6"	9'8"	12'2"	10'9"	9'1"	11'3"	10'3"	8'8"	10'6"	9'10"	8'3"
350S162-54	24	33	13'7"	11'10"	10'0"	12'2"	10'9"	9'1"	10'10"	10'0"	8'5"	9'11"	9'5"	7'11"	9'2"	8'11"	7'7"	8'7"	8'7"	7'3"
350S162-54	12	50	17'2"	15'0"	12'7"	15'7"	13'7"	11'6"	14'5"	12'7"	10'8"	13'7"	11'10"	10'0"	12'11"	11'3"	9'6"	12'4"	10'9"	9'1"
350S162-54	16	50	15'7"	13'7"	11'6"	14'2"	12'4"	10'5"	13'1"	11'6"	9'8"	12'4"	10'9"	9'1"	11'9"	10'3"	8'8"	11'3"	9'10"	8'3"
350S162-54	24	50	13'7"	11'10"	10'0"	12'4"	10'9"	9'1"	11'6"	10'0"	8'5"	10'9"	9'5"	7'11"	10'3"	8'11"	7'7"	9'10"	8'7"	7'3"
350S162-68	12	33	18'4"	16'0"	13'6"	16'8"	14'6"	12'3"	15'5"	13'6"	11'5"	14'6"	12'8"	10'9"	13'10"	12'1"	10'2"	13'3"	11'6"	9'9"
350S162-68	16	33	16'8"	14'6"	12'3"	15'1"	13'3"	11'2"	14'0"	12'3"	10'4"	13'3"	11'6"	9'9"	12'7"	11'0"	9'3"	12'0"	10'6"	8'10"
350S162-68	24	33	14'6"	12'8"	10'9"	13'3"	11'6"	9'9"	12'3"	10'9"	9'0"	11'6"	10'1"	8'6"	10'11"	9'7"	8'1"	10'3"	9'2"	7'9"
350S162-68	12	50	18'4"	16'0"	13'6"	16'8"	14'6"	12'3"	15'5"	13'6"	11'5"	14'6"	12'8"	10'9"	13'10"	12'1"	10'2"	13'3"	11'6"	9'9"
350S162-68	16	50	16'8"	14'6"	12'3"	15'1"	13'3"	11'2"	14'0"	12'3"	10'4"	13'3"	11'6"	9'9"	12'7"	11'0"	9'3"	12'0"	10'6"	8'10"
350S162-68	24	50	14'6"	12'8"	10'9"	13'3"	11'6"	9'9"	12'3"	10'9"	9'0"	11'6"	10'1"	8'6"	10'11"	9'7"	8'1"	10'3"	9'2"	7'9"
350S162-97	12	33	20'2"	17'8"	14'11"	18'4"	16'0"	13'6"	17'0"	14'11"	12'7"	16'0"	14'0"	11'10"	15'3"	13'4"	11'3"	14'7"	12'9"	10'9"
350S162-97	16	33	18'4"	16'0"	13'6"	16'8"	14'7"	12'3"	15'6"	13'6"	11'5"	14'7"	12'9"	10'9"	13'10"	12'1"	10'2"	13'3"	11'7"	9'9"
350S162-97	24	33	16'0"	14'0"	11'10"	14'7"	12'9"	10'9"	13'6"	11'10"	10'0"	12'9"	11'1"	9'5"	11'11"	10'7"	8'11"	11'2"	10'1"	8'6"
350S162-97	12	50	20'2"	17'8"	14'11"	18'4"	16'0"	13'6"	17'0"	14'11"	12'7"	16'0"	14'0"	11'10"	15'3"	13'4"	11'3"	14'7"	12'9"	10'9"
350S162-97	16	50	18'4"	16'0"	13'6"	16'8"	14'7"	12'3"	15'6"	13'6"	11'5"	14'7"	12'9"	10'9"	13'10"	12'1"	10'2"	13'3"	11'7"	9'9"
350S162-97	24	50	16'0"	14'0"	11'10"	14'7"	12'9"	10'9"	13'6"	11'10"	10'0"	12'9"	11'1"	9'5"	12'1"	10'7"	8'11"	11'7"	10'1"	8'6"
350S200-43	12	33	16'11"	14'9"	12'5"	15'4"	13'5"	11'4"	14'3"	12'5"	10'6"	13'5"	11'9"	9'11"	12'6"	11'1"	9'5"	11'9"	10'8"	9'0"
350S200-43	16	33	15'4"	13'5"	11'4"	13'11"	12'2"	10'3"	12'10"	11'4"	9'6"	11'9"	10'8"	9'0"	10'10"	10'1"	8'6"	10'2"	9'8"	8'2"
350S200-43	24	33	13'5"	11'9"	9'11"	11'9"	10'8"	9'0"	10'6"	9'11"	8'4"	9'7"	9'4"	7'10"	8'10"	8'10"	7'5"	8'3"	8'3"	7'1"

Limiting Wall Heights | Curtain Wall

Limiting Wall Heights • Curtain Wall / Single Span																							
Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf					
			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			
350S200-54	12	33	18'1"	15'10"	13'4"	16'5"	14'4"	12'1"	14'11"	13'1"	11'0"	15'3"	13'4"	11'3"	14'4"	12'7"	10'7"	13'8"	11'11"	10'1"	13'1"	11'5"	9'7"
350S200-54	16	33	16'5"	14'4"	12'1"	14'11"	13'1"	11'0"	13'10"	12'1"	10'3"	13'1"	11'5"	9'7"	12'5"	10'10"	9'2"	11'7"	10'4"	8'9"			
350S200-54	24	33	14'4"	12'7"	10'7"	13'1"	11'5"	9'7"	12'0"	10'7"	8'11"	10'11"	10'0"	8'5"	10'1"	9'6"	8'0"	9'5"	9'1"	7'8"			
350S200-54	12	50	18'1"	15'10"	13'4"	16'5"	14'4"	12'1"	15'3"	13'4"	11'3"	14'4"	12'7"	10'7"	13'8"	11'11"	10'1"	13'1"	11'5"	9'7"			
350S200-54	16	50	16'5"	14'4"	12'1"	14'11"	13'1"	11'0"	13'10"	12'1"	10'3"	13'1"	11'5"	9'7"	12'5"	10'10"	9'2"	11'10"	10'4"	8'9"			
350S200-54	24	50	14'4"	12'7"	10'7"	13'1"	11'5"	9'7"	12'1"	10'7"	8'11"	11'5"	10'0"	8'5"	10'10"	9'6"	8'0"	10'4"	9'1"	7'8"			
350S200-68	12	33	19'5"	16'11"	14'3"	17'7"	15'5"	13'0"	16'4"	14'3"	12'1"	15'5"	13'5"	11'4"	14'7"	12'9"	10'9"	14'0"	12'3"	10'4"			
350S200-68	16	33	17'7"	15'5"	13'0"	16'0"	14'0"	11'9"	14'10"	13'0"	10'11"	14'0"	12'3"	10'4"	13'3"	11'7"	9'9"	12'8"	11'1"	9'4"			
350S200-68	24	50	15'5"	13'5"	11'4"	14'0"	12'3"	10'4"	13'0"	11'4"	9'7"	12'3"	10'8"	9'0"	11'7"	10'2"	8'7"	11'1"	9'8"	8'2"			
350S200-97	12	33	21'5"	18'9"	15'10"	19'6"	17'0"	14'4"	18'1"	15'10"	13'4"	17'0"	14'10"	12'6"	16'2"	14'1"	11'11"	15'5"	13'6"	11'5"			
350S200-97	16	33	19'6"	17'0"	14'4"	17'8"	15'5"	13'0"	16'5"	14'4"	12'1"	15'5"	13'6"	11'5"	14'8"	12'10"	10'10"	14'1"	12'3"	10'4"			
350S200-97	24	33	17'0"	14'10"	12'6"	15'5"	13'6"	11'5"	14'4"	12'6"	10'7"	13'6"	11'10"	9'11"	12'10"	11'2"	9'5"	12'2"	10'9"	9'0"			
350S200-97	12	50	21'5"	18'9"	15'10"	19'6"	17'0"	14'4"	18'1"	15'10"	13'4"	17'0"	14'10"	12'6"	16'2"	14'1"	11'11"	15'5"	13'6"	11'5"			
350S200-97	16	50	19'6"	17'0"	14'4"	17'8"	15'5"	13'0"	16'5"	14'4"	12'1"	15'5"	13'6"	11'5"	14'8"	12'10"	10'10"	14'1"	12'3"	10'4"			
350S200-97	24	50	17'0"	14'10"	12'6"	15'5"	13'6"	11'5"	14'4"	12'6"	10'7"	13'6"	11'10"	9'11"	12'10"	11'2"	9'5"	12'2"	10'9"	9'0"			
362S137-33	12	33	14'3"	12'7"	10'7"	12'4"	11'5"	9'8"	11'1"	10'7"	8'11"	10'1"	10'0"	8'5"	9'4"	8'0"	8'9"	8'9"	7'8"	6'11"			
362S137-33	16	33	12'4"	11'5"	9'8"	10'9"	10'5"	8'9"	9'7"	9'7"	8'2"	8'9"	8'9"	7'8"	8'1"	8'1"	7'3"	7'7"	7'7"	6'11"			
362S137-33	24	33	10'1"	10'0"	8'5"	8'9"	8'9"	7'8"	7'10"	7'10"	7'1"	7'2"	7'2"	6'8"	6'7"	6'7"	6'4"	6'2"	6'2"	6'1"			
362S137-43	12	33	15'8"	13'8"	11'7"	14'3"	12'5"	10'6"	13'0"	11'7"	9'9"	11'10"	10'10"	9'2"	11'0"	10'4"	8'8"	10'3"	9'10"	8'4"			
362S137-43	16	33	14'3"	12'5"	10'6"	12'7"	11'4"	9'6"	11'3"	10'6"	8'10"	10'3"	9'10"	8'4"	9'6"	9'5"	7'11"	8'11"	8'11"	7'7"			
362S137-43	24	33	11'10"	10'10"	9'2"	10'3"	9'10"	8'4"	9'2"	9'2"	7'9"	8'5"	8'5"	7'3"	7'9"	6'11"	7'3"	7'3"	6'7"				
362S137-54	12	33	16'9"	14'8"	12'4"	15'3"	13'4"	11'3"	14'2"	12'4"	10'5"	13'3"	11'8"	9'10"	12'4"	11'1"	9'4"	11'6"	10'7"	8'11"			
362S137-54	16	33	15'3"	13'4"	11'3"	13'10"	12'1"	10'2"	12'7"	11'3"	9'6"	11'6"	10'7"	8'11"	10'8"	10'0"	8'6"	10'0"	9'7"	8'1"			
362S137-54	24	33	13'3"	11'8"	9'10"	11'6"	10'7"	8'11"	10'4"	9'10"	8'3"	9'5"	9'3"	7'9"	8'8"	8'8"	7'5"	8'2"	8'2"	7'1"			
362S137-54	12	50	16'9"	14'8"	12'4"	15'3"	13'4"	11'3"	14'2"	12'4"	10'5"	13'4"	11'8"	9'10"	12'8"	11'1"	9'4"	12'1"	10'7"	8'11"			
362S137-54	16	50	15'3"	13'4"	11'3"	13'10"	12'1"	10'2"	12'10"	11'3"	9'6"	12'1"	10'7"	8'11"	11'6"	10'0"	8'6"	11'0"	9'7"	8'1"			
362S137-54	24	50	13'4"	11'8"	9'10"	12'1"	10'7"	8'11"	11'3"	9'10"	8'3"	10'7"	9'3"	7'9"	10'0"	8'9"	7'5"	9'7"	8'5"	7'1"			
362S137-68	12	33	17'11"	15'8"	13'2"	16'3"	14'3"	12'0"	15'1"	13'2"	11'2"	14'3"	12'5"	10'6"	13'6"	11'10"	9'11"	12'10"	11'4"	9'6"			
362S137-68	16	33	16'3"	14'3"	12'0"	14'10"	12'11"	10'11"	13'9"	12'0"	10'1"	12'10"	11'4"	9'6"	11'10"	10'9"	9'1"	11'1"	10'3"	8'8"			
362S137-68	24	33	14'3"	12'5"	10'6"	12'10"	11'4"	9'6"	12'10"	11'5"	10'6"	8'10"	10'5"	9'10"	8'4"	9'8"	9'4"	7'11"	9'1"	9'0"	7'7"		
362S137-68	12	50	17'11"	15'8"	13'2"	16'3"	14'3"	12'0"	15'1"	13'2"	11'2"	14'3"	12'5"	10'6"	13'6"	11'10"	9'11"	12'11"	11'4"	9'6"			
362S137-68	16	50	16'3"	14'3"	12'0"	14'10"	12'11"	10'11"	13'9"	12'0"	10'1"	12'11"	11'4"	9'6"	12'3"	10'9"	9'1"	11'9"	10'3"	8'8"			
362S137-68	24	50	14'3"	12'5"	10'6"	12'11"	11'4"	9'6"	12'0"	10'6"	8'10"	11'4"	9'10"	8'4"	10'9"	9'4"	7'11"	10'3"	9'0"	7'7"			
362S162-33	12	33	15'1"	13'2"	11'1"	13'3"	12'0"	10'1"	11'11"	11'1"	9'5"	10'10"	10'6"	8'10"	10'0"	9'11"	8'5"	9'5"	9'5"	8'0"			
362S162-33	16	33	13'3"	12'0"	10'1"	11'6"	10'11"	9'2"	10'3"	10'1"	8'6"	9'5"	9'5"	8'0"	8'8"	8'8"	7'7"	8'2"	8'2"	7'3"			
362S162-33	24	33	10'10"	10'6"	8'10"	9'5"	9'5"	8'0"	8'5"	8'5"	7'5"	7'8"	7'8"	7'0"	7'1"	7'1"	6'8"	6'8"	6'8"	6'4"			
362S162-43	12	33	16'5"	14'4"	12'1"	14'11"	13'0"	11'0"	13'10"	12'1"	10'2"	12'9"	11'5"	9'7"	11'10"	10'10"	9'1"	11'1"	10'4"	8'9"			
362S162-43	16	33	14'11"	13'0"	11'0"	13'7"	11'10"	10'0"	12'1"	11'0"	9'3"	11'1"	10'4"	8'9"	10'3"	9'10"	8'3"	9'7"	9'5"	7'11"			
362S162-43	24	33	12'9"	11'5"	9'7"	11'1"	10'4"	8'9"	9'11"	9'7"	8'1"	9'0"	9'0"	7'7"	8'4"	8'4"	7'3"	7'10"	7'10"	6'11"			
362S162-54	12	33	17'7"	15'4"	13'0"	16'0"	14'0"	11'9"	14'10"	13'0"	10'11"	14'0"	12'2"	10'3"	13'3"	11'7"	9'9"	12'5"	11'1"	9'4"			
362S162-54	16	33	16'0"	14'0"	11'9"	14'6"	12'8"	10'8"	13'6"	11'9"	9'11"	12'5"	11'1"	9'4"	11'6"	10'6"	8'11"	10'9"	10'1"	8'6"			
362S162-54	24	33	14'0"	12'2"	10'3"	12'5"	11'1"	9'4"	11'1"	10'3"	8'8"	10'1"	9'8"	8'2"	9'4"	9'2"	7'9"	8'9"	8'9"	7'5"			
362S162-54	12	50	17'7"	15'4"	13'0"	16'0"	14'0"	11'9"	14'10"	13'0"	10'11"	14'0"	12'2"	10'3"	13'3"	11'7"	9'9"	12'8"	11'1"	9'4"			
362S162-54	16	50	16'0"	14'0"	11'9"	14'6"	12'8"	10'8"	13'6"	11'9"	9'11"	12'8"	11'1"	9'4"	12'1"	10'6"	8'11"	11'6"	10'1"	8'6"			
362S162-54	24	50	14'0"	12'2"	10'3"	12'8"	11'1"	9'4"	11'9"	10'3"	8'8"	11'1"	9'8"	8'2"	10'6"	9'2"	7'9"	10'1"	8'10"	7'5"			
362S162-68	12	33	18'10"	16'5"	13'10"	17'1"	14'11"	12'7"	15'11"	13'10"	11'8"	14'11"	13'1"	11'0"	14'2"	12'5"	10'6"	13'7"	11'10"	10'0"			
362S162-68	16	33	17'1"	14'11"	12'7"	15'6"	13'7"	11'5"	14'5"	12'7"	10'8"	13'7"	11'10"	10'0"	12'9"	11'3"	9'6"	11'11"	10'9"	9'1"			
362S162-68	24	33	14'11"	13'1"	11'0"	13'7"	11'10"	10'0"	12'4"	11'0"	9'3"	11'3"	10'4"	8'9"	10'5"	9'10"	8'4"	9'9"	9'5"	7'11"			
362S162-68	12	50	18'10"	16'5"	13'10"	17'1"	14'11"	12'7"	15'11"	13'10"	11'8"	14'11"	13'1"	11'0"	14'2"	12'5"	10'6"	13'7"	11'10"	10'0"			
362S162-68	16	50	17'1"	14'11"	12'7"	15'6"	13'7"	11'5"	14'5"	12'7"	10'8"	13'7"	11'10"	10'0"	12'11"	11'3"	9'6"	12'4"	10'9"	9'1"			
362S162-68	24	50	14'11"	13'1"	11'0"	13'7"	11'10"	10'0"	12'7"	11'0"	9'3"	11'10"	10'4"	8'9"	11'3"	9'10"	8'4"	10'9"	9'5"	7'11"			
362S162-97	12	33	20'9"	18'2"	15'4"	18'10"	16'6"	13'11"	17'6"	15'4"	12'11"	16'6"	14'5"	12'2"	15'8"	13'8"	11'6"	15'0"	13'1"	11'0"			
362S162-97	16	33	18'10"	16'6"	13'11"	17'2"	15'0"	12'8"	15'11"	13'11"	11'9"	15'0"	13'1"	11'0"	14'3"	12'5"	10'6"	13'7"	11'11"	10'0"			
362S162-97	24	33	16'6"	14'5"	12'2"	15'0"	13'1"	11'0"	13'11"	12'2"	10'3"	13'1"	11'5"	9'8"	12'3"	10'10"	9'2"	11'5"	10'5"	8'9"			
362S162-97	12	50	20'9"	18'2"	15'4"	18'10"	16'6"	13'11"	17'6"	15'4"	12'11"	16'6"	14'5"	12'2"	15'8"	13'8"	11'6"	15'0"	13'1"	11'0"			
362S162-97	16	50	18'10"	16'6"	13'11"	17'2"	15'0"	12'8"	15'11"	13'11"	11'9"	15'0"	13'1"	11'0"	14'3"	12'5"	10'6"	13'7"	11'11"	10'0"			
362S162-97	24	50	16'6"	14'5"	12'2"	15'0"	13'1"	11'0"	13'11"	12'2"	10'3"	13'1"	11'5"	9'8"	12'3"	10'10"	9'2"	11'11"	10'5"	8'9"			
362S200-33	12	33	15'11"	13'11"	11'8"	13'11"	12'7"	10'8"	12'5"	11'8"	9'10"	11'4"											

Limiting Wall Heights • Curtain Wall / Single Span

Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			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
362S200-54	12	33	18'7"	16'3"	13'8"	16'11"	14'9"	12'5"	15'8"	13'8"	11'7"	14'9"	12'11"	10'11"	14'0"	12'3"	10'4"	13'5"	11'9"	9'11"
362S200-54	16	33	16'11"	14'9"	12'5"	15'4"	13'5"	11'4"	14'3"	12'5"	10'6"	13'5"	11'9"	9'11"	12'6"	11'2"	9'5"	11'8"	10'8"	9'0"
362S200-54	24	33	14'9"	12'11"	10'11"	13'5"	11'9"	9'11"	12'1"	10'11"	9'2"	11'0"	10'3"	8'8"	10'2"	9'9"	8'2"	9'7"	9'4"	7'10"
362S200-54	12	50	18'7"	16'3"	13'8"	16'11"	14'9"	12'5"	15'8"	13'8"	11'7"	14'9"	12'11"	10'11"	14'0"	12'3"	10'4"	13'5"	11'9"	9'11"
362S200-54	16	50	16'11"	14'9"	12'5"	15'4"	13'5"	11'4"	14'3"	12'5"	10'6"	13'5"	11'9"	9'11"	12'9"	11'2"	9'5"	12'2"	10'8"	9'0"
362S200-54	24	50	14'9"	12'11"	10'11"	13'5"	11'9"	9'11"	12'5"	10'11"	9'2"	11'9"	10'3"	8'8"	11'2"	9'9"	8'2"	10'8"	9'4"	7'10"
362S200-68	12	33	19'11"	17'5"	14'8"	18'1"	15'10"	13'4"	16'10"	14'8"	12'5"	15'10"	13'10"	11'8"	15'0"	13'1"	11'1"	14'4"	12'7"	10'7"
362S200-68	16	33	18'1"	15'10"	13'4"	16'5"	14'4"	12'1"	15'3"	13'4"	11'3"	14'4"	12'7"	10'7"	13'8"	11'11"	10'1"	13'1"	11'5"	9'7"
362S200-68	24	33	15'10"	13'10"	11'8"	14'4"	12'7"	10'7"	13'4"	11'8"	9'10"	12'7"	11'0"	9'3"	11'11"	10'5"	8'9"	11'3"	10'0"	8'5"
362S200-68	12	50	19'11"	17'5"	14'8"	18'1"	15'10"	13'4"	16'10"	14'8"	12'5"	15'10"	13'10"	11'8"	15'0"	13'1"	11'1"	14'4"	12'7"	10'7"
362S200-68	16	50	18'1"	15'10"	13'4"	16'5"	14'4"	12'1"	15'3"	13'4"	11'3"	14'4"	12'7"	10'7"	13'8"	11'11"	10'1"	13'1"	11'5"	9'7"
362S200-68	24	50	15'10"	13'10"	11'8"	14'4"	12'7"	10'7"	13'4"	11'8"	9'10"	12'7"	11'0"	9'3"	11'11"	10'5"	8'9"	11'5"	10'0"	8'5"
362S200-97	12	33	22'0"	19'3"	16'3"	20'0"	17'6"	14'9"	18'7"	16'3"	13'8"	17'6"	15'3"	12'11"	16'7"	14'6"	12'3"	15'11"	13'11"	11'8"
362S200-97	16	33	20'0"	17'6"	14'9"	18'2"	15'11"	13'5"	16'11"	14'9"	12'5"	15'11"	13'11"	11'8"	15'1"	13'2"	11'1"	14'5"	12'7"	10'8"
362S200-97	24	33	17'6"	15'3"	12'11"	15'11"	13'11"	11'8"	14'9"	12'11"	10'10"	13'11"	12'1"	10'3"	13'2"	11'6"	9'9"	12'6"	11'0"	9'3"
362S200-97	12	50	22'0"	19'3"	16'3"	20'0"	17'6"	14'9"	18'7"	16'3"	13'8"	17'6"	15'3"	12'11"	16'7"	14'6"	12'3"	15'11"	13'11"	11'8"
362S200-97	16	50	20'0"	17'6"	14'9"	18'2"	15'11"	13'5"	16'11"	14'9"	12'5"	15'11"	13'11"	11'8"	15'1"	13'2"	11'1"	14'5"	12'7"	10'8"
362S200-97	24	50	17'6"	15'3"	12'11"	15'11"	13'11"	11'8"	14'9"	12'11"	10'10"	13'11"	12'1"	10'3"	13'2"	11'6"	9'9"	12'7"	11'0"	9'3"
362S250-33	12	33	16'6"	14'5"	12'2"	14'7"	13'2"	11'1"	13'0"	12'2"	10'3"	11'11"	11'6"	9'8"	11'0"	10'11"	9'2"	10'4"	10'4"	8'9"
362S250-33	16	33	14'7"	13'2"	11'1"	12'7"	11'11"	10'1"	11'3"	11'1"	9'4"	10'4"	10'4"	8'9"	9'6"	9'6"	8'4"	8'11"	8'11"	8'0"
362S250-33	24	33	11'11"	11'6"	9'8"	10'4"	10'4"	8'9"	9'3"	9'3"	8'2"	8'5"	8'5"	7'8"	7'9"	7'9"	7'4"	7'3"	7'3"	7'0"
362S250-43	12	33	18'4"	16'0"	13'6"	16'7"	14'6"	12'3"	15'5"	13'6"	11'4"	14'2"	12'8"	10'8"	13'1"	12'1"	10'2"	12'3"	11'6"	9'9"
362S250-43	16	33	16'7"	14'6"	12'3"	15'0"	13'2"	11'2"	13'5"	12'3"	10'4"	12'3"	11'6"	9'9"	11'4"	10'11"	9'3"	10'8"	10'6"	8'10"
362S250-43	24	33	14'2"	12'8"	10'8"	12'3"	11'6"	9'9"	11'0"	10'8"	9'0"	10'0"	10'0"	8'6"	9'3"	9'3"	8'1"	8'8"	8'8"	7'9"
362S250-54	12	33	19'7"	17'2"	14'6"	17'10"	15'7"	13'2"	16'7"	14'6"	12'2"	15'7"	13'7"	11'6"	14'10"	12'11"	10'11"	13'11"	12'4"	10'5"
362S250-54	16	33	17'10"	15'7"	13'2"	16'2"	14'2"	11'11"	15'0"	13'2"	11'1"	13'11"	12'4"	10'5"	12'11"	11'9"	9'11"	12'1"	11'3"	9'6"
362S250-54	24	33	15'7"	13'7"	11'6"	13'11"	12'4"	10'5"	12'6"	11'6"	9'8"	11'4"	10'10"	9'1"	10'6"	10'3"	8'8"	9'10"	9'10"	8'3"
362S250-54	12	50	19'7"	17'1"	14'5"	17'9"	15'6"	13'1"	16'6"	14'5"	12'2"	15'6"	13'7"	11'5"	14'9"	12'11"	10'10"	14'1"	12'4"	10'5"
362S250-54	16	50	17'9"	15'6"	13'1"	16'2"	14'1"	11'11"	15'0"	13'1"	11'1"	14'1"	12'4"	10'5"	13'5"	11'8"	9'10"	12'10"	11'2"	9'5"
362S250-54	24	50	15'6"	13'7"	11'5"	14'1"	12'4"	10'5"	13'1"	11'5"	9'8"	12'4"	10'9"	9'1"	11'8"	10'3"	8'7"	11'2"	9'9"	8'3"
362S250-68	12	33	21'0"	18'5"	15'6"	19'1"	16'8"	14'1"	17'9"	15'6"	13'1"	16'8"	14'7"	12'4"	15'10"	13'10"	11'8"	15'2"	13'3"	11'2"
362S250-68	16	33	19'1"	16'8"	14'1"	17'4"	15'2"	12'10"	16'1"	14'1"	11'11"	15'2"	13'3"	11'2"	14'5"	12'7"	10'7"	13'9"	12'0"	10'2"
362S250-68	24	33	16'8"	14'7"	12'4"	15'2"	13'3"	11'2"	14'1"	12'4"	10'5"	13'3"	11'7"	9'9"	12'5"	11'0"	9'3"	11'8"	10'6"	8'10"
362S250-68	12	50	21'0"	18'5"	15'6"	19'1"	16'8"	14'1"	17'9"	15'6"	13'1"	16'8"	14'7"	12'4"	15'10"	13'10"	11'8"	15'2"	13'3"	11'2"
362S250-68	16	50	19'1"	16'8"	14'1"	17'4"	15'2"	12'10"	16'1"	14'1"	11'11"	15'2"	13'3"	11'2"	14'5"	12'7"	10'7"	13'9"	12'0"	10'2"
362S250-68	24	50	16'8"	14'7"	12'4"	15'2"	13'3"	11'2"	14'1"	12'4"	10'5"	13'3"	11'7"	9'9"	12'5"	11'0"	9'3"	11'8"	10'6"	8'10"
362S250-97	12	33	23'4"	20'4"	17'2"	21'2"	18'6"	15'7"	19'8"	17'2"	14'6"	18'6"	16'2"	13'8"	17'7"	15'4"	12'11"	16'10"	14'8"	12'5"
362S250-97	16	33	21'2"	18'6"	15'7"	19'3"	16'10"	14'2"	17'10"	15'7"	13'2"	16'10"	14'8"	12'5"	16'0"	13'11"	11'9"	15'3"	13'4"	11'3"
362S250-97	24	33	18'6"	16'2"	13'8"	16'10"	14'8"	12'5"	15'7"	13'8"	11'6"	14'8"	12'10"	10'10"	13'11"	12'2"	10'3"	13'4"	11'8"	9'10"
362S250-97	12	50	23'4"	20'4"	17'2"	21'2"	18'6"	15'7"	19'8"	17'2"	14'6"	18'6"	16'2"	13'8"	17'7"	15'4"	12'11"	16'10"	14'8"	12'5"
362S250-97	16	50	21'2"	18'6"	15'7"	19'3"	16'10"	14'2"	17'10"	15'7"	13'2"	16'10"	14'8"	12'5"	16'0"	13'11"	11'9"	15'3"	13'4"	11'3"
362S250-97	24	50	18'6"	16'2"	13'8"	16'10"	14'8"	12'5"	15'7"	13'8"	11'6"	14'8"	12'10"	10'10"	13'11"	12'2"	10'3"	13'4"	11'8"	9'10"
362S300-33	12	33	17'0"	14'11"	12'7"	14'8"	13'6"	11'5"	13'2"	12'7"	10'7"	12'0"	11'10"	10'0"	11'1"	11'1"	9'6"	10'5"	10'5"	9'1"
362S300-33	16	33	14'8"	13'6"	11'5"	12'9"	12'4"	10'4"	11'5"	11'5"	9'8"	10'5"	10'5"	9'1"	9'7"	9'7"	8'7"	9'0"	9'0"	8'3"
362S300-33	24	33	12'0"	11'10"	10'0"	10'5"	10'5"	9'1"	9'4"	9'4"	8'5"	8'6"	8'6"	7'11"	7'10"	7'10"	7'6"	7'4"	7'4"	7'2"
362S300-43	12	33	18'11"	16'7"	13'11"	17'3"	15'0"	12'8"	15'7"	13'11"	11'9"	13'2"	12'2"	11'1"	13'2"	12'6"	10'6"	12'4"	11'11"	10'1"
362S300-43	16	33	17'3"	15'0"	12'8"	15'1"	13'8"	11'6"	13'6"	12'8"	10'8"	12'4"	11'11"	10'1"	11'5"	11'4"	9'7"	10'8"	10'8"	9'2"
362S300-43	24	33	14'2"	13'2"	11'1"	12'4"	11'11"	10'1"	11'0"	11'0"	9'4"	10'1"	10'1"	8'10"	9'4"	9'4"	8'4"	8'8"	8'8"	8'0"
362S300-54	12	33	20'6"	17'11"	15'1"	18'7"	16'3"	13'9"	17'3"	15'1"	12'9"	16'3"	14'3"	12'0"	15'1"	13'6"	11'5"	14'2"	12'11"	10'11"
362S300-54	16	33	18'7"	16'3"	13'9"	16'11"	14'9"	12'6"	15'6"	13'9"	11'7"	14'2"	12'11"	10'11"	13'1"	12'3"	10'4"	12'3"	11'9"	9'11"
362S300-54	24	33	16'3"	14'3"	12'0"	14'2"	12'11"	10'11"	12'8"	12'0"	10'1"	11'7"	11'3"	9'6"	10'8"	10'8"	9'0"	10'0"	10'0"	8'8"
362S300-54	12	50	20'1"	17'6"	14'9"	18'3"	15'11"	13'5"	16'11"	14'9"	12'6"	15'11"	13'11"	11'9"	15'2"	13'3"	11'2"	14'6"	12'8"	10'8"
362S300-54	16	50	18'3"	15'11"	13'5"	16'7"	14'6"	12'2"	15'5"	13'5"	11'4"	14'6"	12'8"	10'8"	13'9"	12'0"	10'2"	13'2"	11'6"	9'8"
362S300-54	24	50	15'11"	13'11"	11'9"	14'6"	12'8"	10'8"	13'5"	11'9"	9'11"	12'8"	11'1"	9'4"	12'0"	10'6"	8'10"	11'6"	10'0"	8'6"
362S300-68	12	33	22'0"	19'3"	16'3"	20'0"	17'6"	14'9"	18'7"	16'3"	13'8"	17'6"	15'3"	12'11"	16'7"	14'6"	12'3"	15'11"	13'11"	11'9"
362S300-68	16	33	20'0"	17'6"	14'9"	18'2"	15'11"	13'5"	16'11"	14'9"	12'5"	15'11"	13'11"	11'9"	15'1"	13'2"	11'1"	14'2"	12'7"	10'8"
362S300-68	24	33	17'6"	15'3"	12'11"	15'11"	13'11"	11'9"	14'7"	12'11"	10'10"	13'4"	12'2"	10'3"	12'4"	11'6"	9'9"	11'7"	11'0"	9'4"
362S300-68	12	50	21'11"	19'2"	16'2"	19'11"	17'5"	14'8"	18'6"	16'2"	13'7"	17'5"	15'2"	12'10"	16'6"	14'5"	12'2"	15'9"	13'10"	11'8"
362S300-68	16	50	19'11"	17'5"	14'8"	18'1"	15'9"	13'4"	16'9"	14'8"	12'4"	15'9"	13'10"	11'8"	15'0"	13'1"	11'1"	14'4"	12'6"	10'7"
362S300-68	24	50	17'5"	15'2"	12'10"	15'9"	13'10"	11'8"	14'8"	12'10"	10'10"	13'10"	12'1"	10'2"	13'1"	11'5"	9'8"	12'6"	10'11"	9'3"
362S300-97	12	33	24'6"	21'4"	18'0"	22														

Limiting Wall Heights | Curtain Wall

Limiting Wall Heights • Curtain Wall / Single Span																				
Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
400S137-33	12	33	15'1"	13'7"	11'6"	13'1"	12'4"	10'5"	11'8"	11'6"	9'8"	10'8"	10'8"	9'1"	9'10"	9'10"	8'8"	9'3"	9'3"	8'3"
400S137-33	16	33	13'1"	12'4"	10'5"	11'4"	11'3"	9'6"	10'1"	10'1"	8'9"	9'3"	9'3"	8'3"	8'7"	8'7"	7'10"	8'0"	8'0"	7'6"
400S137-33	24	33	10'8"	10'8"	9'1"	9'3"	9'3"	8'3"	8'3"	7'8"	7'6"	7'6"	7'3"	7'0"	7'0"	6'10"	6'6"	6'6"	6'6"	6'6"
400S137-43	12	33	16'11"	14'9"	12'6"	15'4"	13'5"	11'4"	13'9"	12'6"	10'6"	12'7"	11'9"	9'11"	11'7"	11'2"	9'5"	10'10"	10'8"	9'0"
400S137-43	16	33	15'4"	13'5"	11'4"	13'4"	12'2"	10'4"	11'11"	11'4"	9'7"	10'10"	10'8"	9'0"	10'1"	10'1"	8'6"	9'5"	9'5"	8'2"
400S137-43	24	33	12'7"	11'9"	9'11"	10'10"	10'8"	9'0"	9'9"	9'9"	8'4"	8'11"	8'11"	7'10"	8'3"	8'3"	7'6"	7'8"	7'8"	7'2"
400S137-54	12	33	18'1"	15'10"	13'4"	16'6"	14'5"	12'2"	15'3"	13'4"	11'3"	14'1"	12'7"	10'7"	13'1"	11'11"	10'1"	12'3"	11'5"	9'8"
400S137-54	16	33	16'6"	14'5"	12'2"	15'0"	13'1"	11'0"	13'5"	12'2"	10'3"	12'3"	11'5"	9'8"	11'4"	10'10"	9'2"	10'7"	10'4"	8'9"
400S137-54	24	33	14'1"	12'7"	10'7"	12'3"	11'5"	9'8"	10'11"	10'7"	8'11"	10'0"	10'0"	8'5"	9'3"	9'3"	8'0"	8'8"	8'8"	7'8"
400S137-54	12	50	18'1"	15'10"	13'4"	16'6"	14'5"	12'2"	15'3"	13'4"	11'3"	14'5"	12'7"	10'7"	13'8"	11'11"	10'1"	13'1"	11'5"	9'8"
400S137-54	16	50	16'6"	14'5"	12'2"	15'0"	13'1"	11'0"	13'11"	12'2"	10'3"	13'1"	11'5"	9'8"	12'5"	10'10"	9'2"	11'10"	10'4"	8'9"
400S137-54	24	50	14'5"	12'7"	10'7"	13'1"	11'5"	9'8"	12'2"	10'7"	8'11"	11'5"	10'0"	8'5"	10'10"	9'6"	8'0"	10'4"	9'1"	7'8"
400S137-68	12	33	19'5"	16'11"	14'3"	17'7"	15'5"	13'0"	16'4"	14'3"	12'0"	15'5"	13'5"	11'4"	14'7"	12'9"	10'9"	13'8"	12'2"	10'4"
400S137-68	16	33	17'7"	15'5"	13'0"	16'0"	14'0"	11'9"	14'10"	13'0"	10'11"	13'8"	12'2"	10'4"	12'8"	11'7"	9'9"	11'10"	11'1"	9'4"
400S137-68	24	33	15'5"	13'5"	11'4"	13'8"	12'2"	10'4"	12'3"	11'4"	9'7"	11'2"	10'8"	9'0"	10'4"	10'2"	8'7"	9'8"	9'8"	8'2"
400S137-68	12	50	19'5"	16'11"	14'3"	17'7"	15'5"	13'0"	16'4"	14'3"	12'0"	15'5"	13'5"	11'4"	14'7"	12'9"	10'9"	14'0"	12'2"	10'4"
400S137-68	16	50	17'7"	15'5"	13'0"	16'0"	14'0"	11'9"	14'10"	13'0"	10'11"	14'0"	12'2"	10'4"	13'3"	11'7"	9'9"	12'8"	11'1"	9'4"
400S137-68	24	50	15'5"	13'5"	11'4"	14'0"	12'2"	10'4"	13'0"	11'4"	9'7"	12'2"	10'8"	9'0"	11'7"	10'2"	8'7"	11'1"	9'8"	8'2"
400S162-33	12	33	16'2"	14'3"	12'0"	14'0"	12'11"	10'11"	12'7"	12'0"	10'1"	11'5"	11'4"	9'6"	10'7"	10'7"	9'1"	9'11"	9'11"	8'8"
400S162-33	16	33	14'0"	12'11"	10'11"	12'2"	11'9"	9'11"	10'10"	10'10"	9'2"	9'11"	9'11"	8'8"	9'2"	9'2"	8'3"	8'7"	8'7"	7'10"
400S162-33	24	33	11'5"	11'4"	9'6"	9'11"	9'11"	8'8"	8'10"	8'10"	8'0"	8'1"	8'1"	7'7"	7'6"	7'6"	7'2"	7'0"	7'0"	6'10"
400S162-43	12	33	17'9"	15'6"	13'1"	16'1"	14'1"	11'10"	14'10"	13'1"	11'0"	13'6"	12'3"	10'4"	12'6"	11'8"	9'10"	11'9"	11'2"	9'5"
400S162-43	16	33	16'1"	14'1"	11'10"	14'4"	12'9"	10'9"	12'10"	11'10"	10'0"	11'9"	11'2"	9'5"	10'10"	10'7"	8'11"	10'2"	10'2"	8'7"
400S162-43	24	33	13'6"	12'3"	10'4"	11'9"	11'2"	9'5"	10'6"	10'4"	8'9"	9'7"	9'7"	8'3"	8'10"	8'10"	7'10"	8'3"	8'3"	7'6"
400S162-54	12	33	19'0"	16'7"	14'0"	17'3"	15'1"	12'9"	16'0"	14'0"	11'10"	15'1"	13'2"	11'1"	14'1"	12'6"	10'7"	13'2"	12'0"	10'1"
400S162-54	16	33	17'3"	15'1"	12'9"	15'8"	13'8"	11'7"	14'5"	12'9"	10'9"	13'2"	12'0"	10'1"	12'2"	11'4"	9'7"	11'5"	10'10"	9'2"
400S162-54	24	33	15'1"	13'2"	11'1"	13'2"	12'0"	10'1"	11'9"	11'1"	9'4"	10'9"	10'5"	8'10"	9'11"	9'11"	8'5"	9'4"	9'4"	8'0"
400S162-54	12	50	19'0"	16'7"	14'0"	17'3"	15'1"	12'9"	16'0"	14'0"	11'10"	15'1"	13'2"	11'1"	14'4"	12'6"	10'7"	13'8"	12'0"	10'1"
400S162-54	16	50	17'3"	15'1"	12'9"	15'8"	13'8"	11'7"	14'7"	12'9"	10'9"	13'8"	12'0"	10'1"	13'0"	11'4"	9'7"	12'5"	10'10"	9'2"
400S162-54	24	50	15'1"	13'2"	11'1"	13'8"	12'0"	10'1"	12'9"	11'1"	9'4"	12'0"	10'5"	8'10"	11'4"	9'11"	8'5"	10'10"	9'6"	8'0"
400S162-68	12	33	20'4"	17'9"	15'0"	18'6"	16'2"	13'7"	17'2"	15'0"	12'8"	16'2"	14'1"	11'11"	15'4"	13'5"	11'4"	14'8"	12'10"	10'10"
400S162-68	16	33	18'6"	16'2"	13'7"	16'9"	14'8"	12'4"	15'7"	13'7"	11'6"	14'8"	12'10"	10'10"	13'8"	12'2"	10'3"	12'9"	11'8"	9'10"
400S162-68	24	33	16'2"	14'1"	11'11"	14'8"	12'10"	10'10"	13'2"	11'11"	10'0"	12'0"	11'2"	9'5"	11'2"	10'8"	9'0"	10'5"	10'2"	8'7"
400S162-68	12	50	20'4"	17'9"	15'0"	18'6"	16'2"	13'7"	17'2"	15'0"	12'8"	16'2"	14'1"	11'11"	15'4"	13'5"	11'4"	14'8"	12'10"	10'10"
400S162-68	16	50	18'6"	16'2"	13'7"	16'9"	14'8"	12'4"	15'7"	13'7"	11'6"	14'8"	12'10"	10'10"	13'11"	12'2"	10'3"	13'4"	11'8"	9'10"
400S162-68	24	50	16'2"	14'1"	11'11"	14'8"	12'10"	10'10"	13'7"	11'11"	10'0"	12'10"	11'2"	9'5"	12'2"	10'8"	9'0"	11'8"	10'2"	8'7"
400S162-97	12	33	22'5"	19'7"	16'7"	20'5"	17'10"	15'0"	18'11"	16'7"	13'11"	17'10"	15'7"	13'2"	16'11"	14'9"	12'6"	16'2"	14'2"	11'11"
400S162-97	16	33	20'5"	17'10"	15'0"	18'6"	16'2"	13'8"	17'2"	15'0"	12'8"	16'2"	14'2"	11'11"	15'5"	13'5"	11'4"	14'9"	12'10"	10'10"
400S162-97	24	33	17'10"	15'7"	13'2"	16'2"	14'2"	11'11"	15'0"	13'2"	11'1"	14'1"	12'4"	10'5"	13'1"	11'9"	9'11"	12'3"	11'3"	9'6"
400S162-97	12	50	22'5"	19'7"	16'7"	20'5"	17'10"	15'0"	18'11"	16'7"	13'11"	17'10"	15'7"	13'2"	16'11"	14'9"	12'6"	16'2"	14'2"	11'11"
400S162-97	16	50	20'5"	17'10"	15'0"	18'6"	16'2"	13'8"	17'2"	15'0"	12'8"	16'2"	14'2"	11'11"	15'5"	13'5"	11'4"	14'9"	12'10"	10'10"
400S162-97	24	50	17'10"	15'7"	13'2"	16'2"	14'2"	11'11"	15'0"	13'2"	11'1"	14'2"	12'4"	10'5"	13'5"	11'9"	9'11"	12'10"	11'3"	9'6"
400S200-33	12	33	17'0"	15'0"	12'7"	14'9"	13'7"	11'6"	13'2"	12'7"	10'8"	12'0"	11'10"	10'0"	11'1"	11'1"	9'6"	10'5"	10'5"	9'1"
400S200-33	16	33	14'9"	13'7"	11'6"	12'9"	12'4"	10'5"	11'5"	11'5"	9'8"	10'5"	10'5"	9'1"	9'8"	9'8"	8'8"	9'0"	9'0"	8'3"
400S200-33	24	33	12'0"	11'10"	10'0"	10'5"	10'5"	9'1"	9'4"	9'4"	8'5"	8'6"	8'6"	7'11"	7'10"	7'10"	7'7"	7'4"	7'4"	7'3"
400S200-43	12	33	18'8"	16'4"	13'9"	17'0"	14'10"	12'6"	15'9"	13'9"	11'7"	14'6"	13'0"	10'11"	13'5"	12'4"	10'5"	12'7"	11'9"	9'11"
400S200-43	16	33	17'0"	14'10"	12'6"	15'4"	13'6"	11'4"	13'9"	12'6"	10'7"	12'7"	11'9"	9'11"	11'7"	11'2"	9'5"	10'10"	10'8"	9'0"
400S200-43	24	33	14'6"	13'0"	10'11"	12'7"	11'9"	9'11"	11'3"	10'11"	9'3"	10'3"	10'3"	8'8"	9'6"	9'6"	8'3"	8'11"	8'11"	7'11"
400S200-54	12	33	20'1"	17'6"	14'9"	18'3"	15'11"	13'5"	16'11"	14'9"	12'6"	15'11"	13'11"	11'9"	15'1"	13'3"	11'2"	14'4"	12'8"	10'8"
400S200-54	16	33	18'3"	15'11"	13'5"	16'7"	14'6"	12'2"	15'4"	13'5"	11'4"	14'4"	12'8"	10'8"	13'3"	12'0"	10'1"	12'5"	11'6"	9'8"
400S200-54	24	33	15'11"	13'11"	11'9"	14'4"	12'8"	10'8"	12'10"	11'9"	9'11"	11'8"	11'0"	9'4"	10'10"	10'6"	8'10"	10'2"	10'0"	8'5"
400S200-54	12	50	20'1"	17'6"	14'9"	18'3"	15'11"	13'5"	16'11"	14'9"	12'6"	15'11"	13'11"	11'9"	15'1"	13'3"	11'2"	14'6"	12'8"	10'8"
400S200-54	16	50	18'3"	15'11"	13'5"	16'7"	14'6"	12'2"	15'4"	13'5"	11'4"	14'6"	12'8"	10'8"	13'9"	12'0"	10'1"	13'2"	11'6"	9'8"
400S200-54	24	50	15'11"	13'11"	11'9"	14'6"	12'8"	10'8"	13'5"	11'9"	9'11"	12'8"	11'0"	9'4"	12'0"	10'6"	8'10"	11'6"	10'0"	8'5"
400S200-68	12	33	21'6"	18'9"	15'10"	19'6"	17'1"	14'5"	18'1"	15'10"	13'4"	14'11"	12'7"	16'2"	14'2"	11'11"	15'6"	13'6"	11'5"	11'5"
400S200-68	16	33	19'6"	17'1"	14'5"	17'9"	15'6"	13'1"	16'6"	14'5"	12'2"	15'6"	13'6"	11'5"	14'9"	12'10"	10'10"	13'11"	12'4"	10'4"
400S200-68	24	33	17'1"	14'11"	12'7"	15'6"	13'6"	11'5"	14'4"	12'7"	10'7"	13'1"	11'10"	10'0"	12'1"	11'3"	9'6"	11'4"	10'9"	9'1"
400S200-68	12	50	21'6"	18'9"	15'10"	19'6"	17'1"	14'5"	18'1"	15'10"	13'4"	14'11"	12'7"	16'2"	14'2"	11'11"	15'6"	13'6"	11'5"	11'5"
400S200-68	16	50	19'6"	17'1"	14'5"	17'9"	15'6"	13'1"	16'6"	14'5"	12'2"	15'6"	13'6"	11'5"	14'9"	12'10"	10'10"	14'1"	12'4"	10'4"
400S200-68	24	50	17'1"	14'11"	12'7"	15'6"	13'6"	11'5"	14'5"	12'7"	10'7"	13'6"	11'10"	10'0"	12'10"	11'3"	9'6"	12'4"	10'9"	9'1"
400S200-97	12	33	23'9"	20'9"	17'6"	21'7"	18'11"	15'11"	20'1"	17'6"	14'9"	18'11"	16'6"	13'11"	17'11"	15'8"	13'3"	17'2"	15'0"	12

Limiting Wall Heights • Curtain Wall / Single Span

Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			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
400S250-33	12	33	17'10"	15'7"	13'1"	15'5"	14'2"	11'11"	13'10"	13'1"	11'1"	12'7"	12'4"	10'5"	11'8"	11'8"	9'11"	10'11"	10'11"	9'6"
400S250-33	16	33	15'5"	14'2"	11'11"	13'4"	12'10"	10'10"	11'11"	11'11"	10'1"	10'11"	10'11"	9'6"	10'1"	10'1"	9'0"	9'5"	9'5"	8'7"
400S250-33	24	33	12'7"	12'4"	10'5"	10'11"	10'11"	9'6"	9'9"	9'9"	8'9"	8'11"	8'11"	8'3"	8'3"	7'10"	7'9"	7'9"	7'6"	
400S250-43	12	33	19'8"	17'2"	14'6"	17'11"	15'8"	13'2"	16'6"	14'6"	12'3"	15'0"	13'8"	11'6"	13'11"	13'0"	10'11"	13'0"	12'5"	10'6"
400S250-43	16	33	17'11"	15'8"	13'2"	15'11"	14'2"	12'0"	14'3"	13'2"	11'1"	13'0"	12'5"	10'6"	12'1"	11'9"	9'11"	11'3"	11'3"	9'6"
400S250-43	24	33	15'0"	13'8"	11'6"	13'0"	12'5"	10'6"	11'8"	11'6"	9'9"	10'8"	10'8"	9'2"	9'10"	9'10"	8'8"	9'2"	9'2"	8'4"
400S250-54	12	33	21'2"	18'6"	15'7"	19'2"	16'9"	14'2"	17'10"	15'7"	13'2"	16'9"	14'8"	12'4"	15'10"	13'11"	11'9"	14'10"	13'4"	11'3"
400S250-54	16	33	19'2"	16'9"	14'2"	17'5"	15'3"	12'10"	16'2"	14'2"	11'11"	14'10"	13'4"	11'3"	13'8"	12'8"	10'8"	12'10"	12'1"	10'2"
400S250-54	24	33	16'9"	14'8"	12'4"	14'10"	13'4"	11'3"	13'3"	12'4"	10'5"	12'1"	11'8"	9'10"	11'2"	11'1"	9'4"	10'6"	10'6"	8'11"
400S250-54	12	50	21'1"	18'5"	15'6"	19'2"	16'9"	14'1"	17'9"	15'6"	13'1"	16'9"	14'7"	12'4"	15'11"	13'10"	11'8"	15'2"	13'3"	11'2"
400S250-54	16	50	19'2"	16'9"	14'1"	17'5"	15'2"	12'10"	16'2"	14'1"	11'11"	15'2"	13'3"	11'2"	14'5"	12'7"	10'8"	13'10"	12'1"	10'2"
400S250-54	24	50	16'9"	14'7"	12'4"	15'2"	13'0"	11'2"	14'1"	12'4"	10'5"	13'3"	11'7"	9'9"	12'7"	11'0"	9'3"	12'1"	10'6"	8'11"
400S250-68	12	33	22'8"	19'10"	16'8"	20'7"	18'3"	15'2"	19'1"	16'8"	14'1"	18'0"	15'9"	13'3"	17'1"	14'11"	12'7"	16'4"	14'3"	12'1"
400S250-68	16	33	20'7"	18'0"	15'2"	18'9"	16'4"	13'9"	17'4"	15'2"	12'10"	16'4"	14'3"	12'1"	15'6"	13'7"	11'5"	14'10"	13'0"	10'11"
400S250-68	24	33	18'0"	15'9"	13'3"	16'4"	14'3"	12'1"	15'2"	13'3"	11'2"	14'3"	12'6"	10'6"	13'3"	11'10"	10'0"	12'5"	11'4"	9'7"
400S250-68	12	50	22'8"	19'10"	16'8"	20'7"	18'0"	15'2"	19'1"	16'8"	14'1"	18'0"	15'9"	13'3"	17'1"	14'11"	12'7"	16'4"	14'3"	12'1"
400S250-68	16	50	20'7"	18'0"	15'2"	18'9"	16'4"	13'9"	17'4"	15'2"	12'10"	16'4"	14'3"	12'1"	15'6"	13'7"	11'5"	14'10"	13'0"	10'11"
400S250-68	24	50	18'0"	15'9"	13'3"	16'4"	14'3"	12'1"	15'2"	13'3"	11'2"	14'3"	12'6"	10'6"	13'3"	11'10"	10'0"	12'5"	11'4"	9'7"
400S250-97	12	33	25'2"	21'11"	18'6"	22'10"	19'11"	16'10"	21'2"	18'6"	15'7"	19'11"	17'5"	14'8"	18'11"	16'7"	14'0"	18'1"	15'10"	13'4"
400S250-97	16	33	22'10"	19'11"	16'10"	20'9"	18'1"	15'3"	19'3"	16'10"	14'2"	18'1"	15'10"	13'4"	17'3"	15'0"	12'8"	16'6"	14'5"	12'2"
400S250-97	24	33	19'11"	17'5"	14'8"	18'1"	15'10"	13'4"	16'10"	14'8"	12'5"	15'10"	13'10"	11'8"	15'0"	13'2"	11'1"	14'5"	12'7"	10'7"
400S250-97	12	50	25'2"	21'11"	18'6"	22'10"	19'11"	16'10"	21'2"	18'6"	15'7"	19'11"	17'5"	14'8"	18'11"	16'7"	14'0"	18'1"	15'10"	13'4"
400S250-97	16	50	22'10"	19'11"	16'10"	20'9"	18'1"	15'3"	19'3"	16'10"	14'2"	18'1"	15'10"	13'4"	17'3"	15'0"	12'8"	16'6"	14'5"	12'2"
400S250-97	24	50	19'11"	17'5"	14'8"	18'1"	15'10"	13'4"	16'10"	14'8"	12'5"	15'10"	13'10"	11'8"	15'0"	13'2"	11'1"	14'5"	12'7"	10'7"
400S300-33	12	33	17'11"	16'0"	13'6"	15'6"	14'7"	12'3"	13'11"	13'6"	11'5"	12'8"	12'8"	10'9"	11'9"	11'9"	10'2"	11'0"	11'0"	9'9"
400S300-33	16	33	15'6"	14'7"	12'3"	13'5"	13'3"	11'2"	12'0"	12'0"	10'4"	11'0"	11'0"	9'9"	10'2"	10'2"	9'3"	9'6"	9'6"	8'10"
400S300-33	24	33	12'8"	12'8"	10'9"	11'0"	11'0"	9'9"	9'10"	9'10"	9'1"	9'0"	9'0"	8'6"	8'4"	8'4"	8'1"	7'9"	7'9"	7'9"
400S300-43	12	33	20'4"	17'10"	15'0"	18'5"	16'2"	13'8"	16'5"	15'0"	12'8"	15'0"	14'2"	11'11"	13'11"	13'5"	11'4"	13'0"	12'10"	10'10"
400S300-43	16	33	18'5"	16'2"	13'8"	15'11"	14'8"	12'5"	14'3"	13'8"	11'6"	13'0"	12'10"	10'10"	12'0"	12'0"	10'3"	11'3"	11'3"	9'10"
400S300-43	24	33	15'0"	14'2"	11'11"	13'0"	12'10"	10'10"	11'8"	11'8"	10'1"	10'7"	10'7"	9'5"	9'10"	9'10"	9'0"	9'2"	9'2"	8'7"
400S300-54	12	33	22'1"	19'3"	16'3"	20'0"	17'6"	14'9"	18'7"	16'3"	13'8"	17'3"	15'3"	12'11"	16'0"	14'6"	12'3"	15'0"	13'11"	11'9"
400S300-54	16	33	20'1"	17'6"	14'9"	18'2"	15'11"	13'5"	16'5"	14'9"	12'5"	15'0"	13'11"	11'9"	13'10"	13'2"	11'2"	13'0"	12'7"	10'8"
400S300-54	24	33	17'3"	15'3"	12'11"	15'0"	13'11"	11'9"	13'5"	12'11"	10'11"	12'3"	12'2"	10'3"	11'4"	11'4"	9'9"	10'7"	10'7"	9'4"
400S300-54	12	50	21'7"	18'10"	15'11"	19'7"	17'2"	14'5"	18'3"	15'11"	13'5"	17'2"	15'0"	12'8"	16'3"	14'3"	12'0"	15'7"	13'7"	11'6"
400S300-54	16	50	19'7"	17'2"	14'5"	17'10"	15'7"	13'2"	16'7"	14'5"	12'2"	15'7"	13'7"	11'6"	14'9"	12'11"	10'11"	14'2"	12'4"	10'5"
400S300-54	24	50	17'2"	15'0"	12'8"	15'7"	13'7"	11'6"	14'5"	12'8"	10'8"	13'7"	11'11"	10'0"	12'11"	11'3"	9'6"	12'2"	10'10"	9'1"
400S300-68	12	33	23'9"	20'9"	17'6"	21'7"	18'10"	15'11"	20'0"	17'6"	14'9"	18'10"	16'5"	13'10"	17'11"	15'7"	13'2"	17'1"	14'11"	12'7"
400S300-68	16	33	21'7"	18'10"	15'11"	19'7"	17'1"	14'5"	18'2"	15'11"	13'5"	17'1"	14'11"	12'7"	16'1"	14'2"	12'0"	15'0"	13'7"	11'5"
400S300-68	24	33	18'10"	16'5"	13'10"	17'1"	14'11"	12'7"	15'6"	13'10"	11'8"	14'2"	13'1"	11'0"	13'1"	12'5"	10'6"	12'3"	11'10"	10'0"
400S300-68	12	50	23'7"	20'7"	17'4"	21'5"	18'8"	15'9"	19'10"	17'4"	14'8"	18'8"	16'4"	13'9"	17'9"	15'6"	13'1"	17'0"	14'10"	12'6"
400S300-68	16	50	21'5"	18'8"	15'9"	19'5"	17'0"	14'4"	18'1"	15'9"	13'4"	17'0"	14'10"	12'6"	16'2"	14'1"	11'11"	15'5"	13'6"	11'4"
400S300-68	24	50	18'8"	16'4"	13'9"	17'0"	14'10"	12'6"	15'9"	13'9"	11'7"	14'10"	13'0"	10'11"	14'1"	12'4"	10'5"	13'6"	11'9"	9'11"
400S300-97	12	33	26'4"	23'0"	19'5"	23'11"	20'11"	17'8"	22'3"	19'5"	16'4"	20'11"	18'3"	15'5"	19'10"	17'4"	14'8"	19'0"	16'7"	14'0"
400S300-97	16	33	23'11"	20'11"	17'8"	21'9"	19'0"	16'0"	20'2"	17'8"	14'10"	19'0"	16'7"	14'0"	18'1"	15'9"	13'4"	17'3"	15'1"	12'9"
400S300-97	24	33	20'11"	18'3"	15'5"	19'0"	16'7"	14'0"	17'8"	15'5"	13'0"	16'7"	14'6"	12'3"	15'9"	13'9"	11'7"	15'1"	13'2"	11'1"
400S300-97	12	50	26'3"	22'11"	19'4"	23'10"	20'10"	17'7"	22'2"	19'4"	16'4"	20'10"	18'2"	15'4"	19'9"	17'3"	14'7"	18'11"	16'6"	13'11"
400S300-97	16	50	23'10"	20'10"	17'7"	21'8"	18'11"	16'0"	20'1"	17'7"	14'10"	18'11"	16'6"	13'11"	18'0"	15'8"	13'3"	17'2"	15'0"	12'8"
400S300-97	24	50	20'10"	18'2"	15'4"	18'11"	16'6"	13'11"	17'7"	15'4"	12'11"	16'6"	14'5"	12'2"	15'8"	13'9"	11'7"	15'0"	13'1"	11'1"
550S162-33	12	33	19'7"	18'3"	15'5"	17'0"	16'7"	14'0"	15'2"	15'2"	13'0"	13'10"	13'10"	12'3"	12'10"	12'10"	11'7"	12'0"	12'0"	11'1"
550S162-33	16	33	17'0"	16'7"	14'0"	14'8"	14'8"	12'8"	13'2"	13'2"	11'9"	12'0"	12'0"	11'1"	11'1"	10'6"	10'5"	10'5"	10'1"	
550S162-33	24	33	13'10"	13'10"	12'3"	12'0"	12'0"	11'1"	10'9"	10'9"	10'4"	9'10"	9'10"	9'8"	9'1"	9'1"	8'6"	8'6"	8'6"	8'6"
550S162-43	12	33	22'9"	19'10"	16'9"	20'8"	18'1"	15'3"	18'9"	16'9"	14'2"	17'1"	15'9"	13'4"	15'10"	15'0"	12'8"	14'10"	14'4"	12'1"
550S162-43	16	33	20'8"	18'1"	15'3"	18'2"	16'5"	13'10"	16'3"	15'3"	12'10"	14'10"	14'4"	12'1"	13'8"	13'7"	11'6"	12'10"	12'10"	11'0"
550S162-43	24	33	17'1"	15'9"	13'4"	14'10"	14'4"	12'1"	13'3"	13'3"	11'3"	12'1"	12'1"	10'7"	11'2"	11'2"	10'0"	10'6"	10'6"	9'7"
550S162-54	12	33	24'5"	21'4"	18'0"	22'2"	19'4"	16'4"	20'7"	18'0"	15'2"	19'4"	16'11"	14'3"	18'5"	16'1"	13'7"	17'3"	15'4"	13'0"
550S162-54	16	33	22'2"	19'4"	16'4"	20'2"	17'7"	14'10"	18'8"	16'4"	13'9"	17'3"	15'4"	13'0"	16'0"	14'7"	12'4"	14'11"	14'0"	11'9"
550S162-54	12	50	24'5"	21'4"	18'0"	22'2"	19'4"	16'4"	20'7"	18'0"	15'2"	19'4"	16'11"	14'3"	18'5"	16'1"	13'7"	17'7"	15'4"	13'0"
550S162-54	16	50	22'2"	19'4"	16'4"	20'2"	17'7"	14'10"	18'8"	16'4"	13'9"	17'7"	15'4"	13'0"	16'9"	14'7"	12'4"	16'0"	14'0"	11'9"
550S162-54	24	50	19'4"	16'11"	14'3"	17'7"	15'4"	13'0"	16'4"	14'3"	12'0"	15'4"	13'5"	11'4"	14'7"	12'9"	10'9"	14'0"	12'2"	10'3"
550S162-68	12	33	26'2"	22'10"	19'3"	23'9"	20'9"	17'6"	22'1"	19'3"	16'3"	20'9"	18'2"	15'3"	19'9"	17'3"	14'6"	18'10"	16'6"	13'11"

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Limiting Wall Heights • Curtain Wall / Single Span

Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			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
550S162-97	12	33	28'11"	25'3"	21'4"	26'4"	23'0"	19'5"	24'5"	21'4"	18'0"	23'0"	20'1"	16'11"	21'10"	19'1"	16'1"	20'11"	18'3"	15'5"
550S162-97	16	33	26'4"	23'0"	19'5"	23'11"	20'11"	17'7"	22'2"	19'5"	16'4"	20'11"	18'3"	15'5"	19'10"	17'4"	14'7"	19'0"	16'7"	14'0"
550S162-97	24	33	23'0"	20'1"	16'11"	20'11"	18'3"	15'5"	19'5"	16'11"	14'3"	18'3"	15'11"	13'5"	17'4"	15'2"	12'9"	16'7"	14'6"	12'3"
550S162-97	12	50	28'11"	25'3"	21'4"	26'4"	23'0"	19'5"	24'5"	21'4"	18'0"	23'0"	20'1"	16'11"	21'10"	19'1"	16'1"	20'11"	18'3"	15'5"
550S162-97	16	50	26'4"	23'0"	19'5"	23'11"	20'11"	17'7"	22'2"	19'5"	16'4"	20'11"	18'3"	15'5"	19'10"	17'4"	14'7"	19'0"	16'7"	14'0"
550S162-97	24	50	23'0"	20'1"	16'11"	20'11"	18'3"	15'5"	19'5"	16'11"	14'3"	18'3"	15'11"	13'5"	17'4"	15'2"	12'9"	16'7"	14'6"	12'3"
550S200-33	12	33	20'10"	19'1"	16'1"	18'1"	17'4"	14'8"	16'2"	16'1"	13'7"	14'9"	14'9"	12'10"	13'8"	13'8"	12'2"	12'9"	12'9"	11'8"
550S200-33	16	33	18'1"	17'4"	14'8"	15'8"	15'8"	13'4"	14'0"	14'0"	12'4"	12'9"	12'9"	11'8"	11'10"	11'10"	11'1"	11'1"	11'1"	10'7"
550S200-33	24	33	14'9"	14'9"	12'10"	12'9"	12'9"	11'8"	11'5"	11'5"	10'5"	10'5"	10'5"	9'8"	9'8"	9'8"	9'0"	9'0"	9'0"	9'0"
550S200-43	12	33	23'11"	20'11"	17'7"	21'7"	19'0"	16'0"	19'4"	17'7"	14'10"	17'7"	16'7"	14'0"	16'4"	15'9"	13'3"	15'3"	15'1"	12'8"
550S200-43	16	33	21'7"	19'0"	16'0"	18'8"	17'3"	14'6"	16'9"	16'0"	13'6"	15'3"	15'1"	12'8"	14'2"	14'2"	12'1"	13'3"	13'3"	11'6"
550S200-43	24	33	17'7"	16'7"	14'0"	15'3"	15'1"	12'8"	13'8"	13'8"	11'10"	12'5"	12'5"	11'1"	11'6"	11'6"	10'6"	10'9"	10'9"	10'1"
550S200-54	12	33	25'8"	22'5"	18'11"	23'4"	20'4"	17'2"	21'8"	18'11"	15'11"	20'4"	17'10"	15'0"	18'10"	16'11"	14'3"	17'8"	16'2"	13'8"
550S200-54	16	33	23'4"	20'4"	17'2"	21'2"	18'6"	15'7"	19'4"	17'2"	14'6"	17'8"	16'2"	13'8"	16'4"	15'4"	12'11"	15'3"	14'8"	12'5"
550S200-54	24	33	20'4"	17'10"	15'0"	17'8"	16'2"	13'8"	15'9"	15'0"	12'8"	14'5"	14'1"	11'11"	13'4"	13'4"	11'4"	12'6"	12'6"	10'10"
550S200-54	12	50	25'8"	22'5"	18'11"	23'4"	20'4"	17'2"	21'8"	18'11"	15'11"	20'4"	17'10"	15'0"	19'4"	16'11"	14'3"	18'6"	16'2"	13'8"
550S200-54	16	50	23'4"	20'4"	17'2"	21'2"	18'6"	15'7"	19'4"	17'2"	14'6"	17'8"	16'2"	13'8"	16'4"	15'4"	12'11"	15'3"	14'8"	12'5"
550S200-54	24	50	20'4"	17'10"	15'0"	17'8"	16'2"	13'8"	15'9"	15'0"	12'8"	14'5"	14'1"	11'11"	13'4"	13'4"	11'4"	12'6"	12'6"	10'10"
550S200-68	12	33	27'6"	24'1"	20'3"	25'0"	21'10"	18'5"	23'3"	20'3"	17'1"	21'10"	19'1"	16'1"	20'9"	18'2"	15'3"	19'10"	17'4"	14'8"
550S200-68	16	33	25'0"	21'10"	18'5"	22'9"	19'10"	16'9"	21'1"	18'5"	15'7"	19'10"	17'4"	14'8"	18'10"	16'6"	13'11"	18'0"	15'9"	13'3"
550S200-68	24	33	21'10"	19'1"	16'1"	19'10"	17'4"	14'8"	18'5"	16'1"	13'7"	17'4"	15'2"	12'9"	16'6"	14'5"	12'2"	15'9"	13'9"	11'7"
550S200-68	12	50	27'6"	24'1"	20'3"	25'0"	21'10"	18'5"	23'3"	20'3"	17'1"	21'10"	19'1"	16'1"	20'9"	18'2"	15'3"	19'10"	17'4"	14'8"
550S200-68	16	50	25'0"	21'10"	18'5"	22'9"	19'10"	16'9"	21'1"	18'5"	15'7"	19'10"	17'4"	14'8"	18'10"	16'6"	13'11"	18'0"	15'9"	13'3"
550S200-68	24	50	21'10"	19'1"	16'1"	19'10"	17'4"	14'8"	18'5"	16'1"	13'7"	17'4"	15'2"	12'9"	16'6"	14'5"	12'2"	15'9"	13'9"	11'7"
550S200-97	12	33	30'7"	26'8"	22'6"	27'9"	24'3"	20'5"	25'9"	22'6"	19'0"	24'3"	21'2"	17'10"	23'0"	20'1"	17'0"	22'0"	19'3"	16'3"
550S200-97	16	33	27'9"	24'3"	20'5"	25'3"	22'0"	18'7"	23'5"	20'5"	17'3"	22'0"	19'3"	16'3"	20'11"	18'3"	15'5"	20'0"	17'6"	14'9"
550S200-97	24	33	24'3"	21'2"	17'10"	22'0"	19'3"	16'3"	20'5"	17'10"	15'1"	19'3"	16'10"	14'2"	18'3"	16'0"	13'6"	17'6"	15'3"	12'11"
550S200-97	12	50	30'7"	26'8"	22'6"	27'9"	24'3"	20'5"	25'9"	22'6"	19'0"	24'3"	21'2"	17'10"	23'0"	20'1"	17'0"	22'0"	19'3"	16'3"
550S200-97	16	50	27'9"	24'3"	20'5"	25'3"	22'0"	18'7"	23'5"	20'5"	17'3"	22'0"	19'3"	16'3"	20'11"	18'3"	15'5"	20'0"	17'6"	14'9"
550S200-97	24	50	24'3"	21'2"	17'10"	22'0"	19'3"	16'3"	20'5"	17'10"	15'1"	19'3"	16'10"	14'2"	18'3"	16'0"	13'6"	17'6"	15'3"	12'11"
600S137-33	12	33	19'1"	18'7"	15'8"	16'6"	16'6"	14'3"	14'9"	14'9"	13'3"	13'6"	13'6"	12'5"	12'6"	12'6"	11'10"	11'8"	11'8"	11'4"
600S137-33	16	33	16'6"	16'6"	14'3"	14'4"	14'4"	12'11"	12'10"	12'10"	12'0"	11'8"	11'8"	11'4"	10'10"	10'10"	10'9"	10'1"	10'1"	10'1"
600S137-33	24	33	13'6"	13'6"	12'5"	11'8"	11'8"	11'4"	10'5"	10'5"	10'5"	9'6"	9'6"	9'6"	8'10"	8'10"	8'10"	8'3"	8'3"	8'3"
600S137-43	12	33	22'11"	20'5"	17'3"	19'10"	18'6"	15'8"	17'9"	17'3"	14'6"	16'3"	16'2"	13'8"	15'0"	15'0"	13'0"	14'0"	14'0"	12'5"
600S137-43	16	33	19'10"	18'6"	15'8"	17'2"	16'10"	14'2"	15'5"	15'5"	13'2"	14'0"	14'0"	12'5"	13'0"	13'0"	11'9"	12'2"	12'2"	11'3"
600S137-43	24	33	16'3"	16'2"	13'8"	14'0"	14'0"	12'5"	12'7"	12'7"	11'6"	11'6"	11'6"	10'10"	10'7"	10'7"	10'4"	9'11"	9'11"	9'10"
600S137-54	12	50	25'1"	21'11"	18'5"	22'9"	19'11"	16'9"	21'2"	18'5"	15'7"	19'11"	17'4"	14'8"	18'11"	16'6"	13'11"	18'1"	15'9"	13'4"
600S137-54	16	50	22'9"	19'11"	16'9"	20'8"	18'1"	15'3"	19'2"	16'9"	14'2"	18'1"	15'9"	13'4"	17'2"	15'0"	12'8"	16'4"	14'4"	12'1"
600S137-54	24	50	19'11"	17'4"	14'8"	18'1"	15'9"	13'4"	16'9"	14'8"	12'4"	15'4"	13'9"	11'8"	14'3"	13'1"	11'1"	13'4"	12'6"	10'7"
600S137-68	12	33	26'10"	23'5"	19'9"	24'5"	21'4"	18'0"	22'8"	19'9"	16'8"	21'3"	18'7"	15'8"	19'8"	17'8"	14'11"	18'5"	16'11"	14'3"
600S137-68	16	33	24'5"	21'4"	18'0"	22'2"	19'4"	16'4"	20'2"	18'0"	15'2"	18'5"	16'11"	14'3"	17'1"	16'1"	13'7"	16'0"	15'4"	12'11"
600S137-68	24	33	21'3"	18'7"	15'8"	18'5"	16'11"	14'3"	16'6"	15'8"	13'3"	15'1"	14'9"	12'5"	13'11"	13'11"	11'10"	13'0"	13'0"	11'4"
600S137-68	12	50	26'10"	23'5"	19'9"	24'5"	21'4"	18'0"	22'8"	19'9"	16'8"	21'4"	18'7"	15'8"	20'3"	17'8"	14'11"	19'4"	16'11"	14'3"
600S137-68	16	50	24'5"	21'4"	18'0"	22'2"	19'4"	16'4"	20'7"	18'0"	15'2"	19'4"	16'11"	14'3"	18'5"	16'1"	13'7"	17'7"	15'4"	12'11"
600S137-68	24	50	21'4"	18'7"	15'8"	19'4"	16'11"	14'3"	18'0"	15'8"	13'3"	16'11"	14'9"	12'5"	16'1"	14'0"	11'10"	15'4"	13'5"	11'4"
600S137-97	12	33	29'8"	25'11"	21'10"	27'0"	23'7"	19'10"	25'0"	21'10"	18'5"	23'7"	20'7"	17'4"	22'5"	19'7"	16'6"	21'5"	18'8"	15'9"
600S137-97	16	33	27'0"	23'7"	19'10"	24'6"	21'5"	18'1"	22'9"	19'10"	16'9"	21'5"	18'8"	15'9"	20'4"	17'9"	15'0"	19'5"	17'0"	14'4"
600S137-97	24	33	23'7"	20'7"	17'4"	21'5"	18'8"	15'9"	19'10"	17'4"	14'8"	18'8"	16'4"	13'9"	17'9"	15'6"	13'1"	17'0"	14'10"	12'6"
600S137-97	12	50	29'8"	25'11"	21'10"	27'0"	23'7"	19'10"	25'0"	21'10"	18'5"	23'7"	20'7"	17'4"	22'5"	19'7"	16'6"	21'5"	18'8"	15'9"
600S137-97	16	50	27'0"	23'7"	19'10"	24'6"	21'5"	18'1"	22'9"	19'10"	16'9"	21'5"	18'8"	15'9"	20'4"	17'9"	15'0"	19'5"	17'0"	14'4"
600S137-97	24	50	23'7"	20'7"	17'4"	21'5"	18'8"	15'9"	19'10"	17'4"	14'8"	18'8"	16'4"	13'9"	17'9"	15'6"	13'1"	17'0"	14'10"	12'6"
600S162-33	12	33	20'6"	19'6"	16'6"	17'9"	17'9"	15'0"	15'11"	15'11"	13'11"	14'6"	14'6"	13'1"	13'5"	13'5"	12'5"	12'7"	12'7"	11'11"
600S162-33	16	33	17'9"	17'9"	15'0"	15'5"	15'5"	13'7"	13'9"	13'9"	12'8"	12'7"	12'7"	11'11"	11'8"	11'8"	11'3"	10'11"	10'11"	10'10"
600S162-33	24	33	14'6"	14'6"	13'1"	12'7"	12'7"	11'11"	11'3"	11'3"	11'0"	10'3"	10'3"	10'3"	9'6"	9'6"	9'6"	8'11"	8'11"	8'11"
600S162-43	12	33	24'0"	21'3"	17'11"	22'0"	19'4"	16'4"	19'8"	17'11"	15'2"	17'11"	16'11"	14'3"	16'7"	16'1"	13'6"	15'6"	15'4"	12'11"
600S162-43	16	33	22'0"	19'4"	16'4"	19'0"	17'7"	14'10"	17'0"	16'4"	13'9"	15'6"	15'4"	12'11"	14'5"	14'5"	13'5"	13'5"	13'5"	11'9"
600S162-43	24	33	17'11"	16'11"	14'3"	15'6"	15'4"	12'11"	13'11"	13'11"	12'0"	12'8"	12'8"	11'4"	11'9"	11'9"	10'9"	11'0"	11'0"	10'3"
600S162-54	12	33	26'2"	22'10"	19'3"	23'9"	20'9"	17'6"	22'1"	19'3"	16'3"	20'9"	18'1"	15'3"	19'5"	17'3"	14'6"	18'2"	16'6"	13'11"
600S162-54	16	33	23'9"	20'9"	17'6"	21'7"	18'10"	15'11"	19'11"	17'6"	14'9"	18'2"	16'6"	13'11"	16'10"	15'8"	13'2"	15'9"	15'0"	12'7"
600S162-54	24	33	20'9"	18'1"	15'3"	18'2"	16'6"	13'11"	16'3"	15'3"	12'11"	14'10"	14'5"	12'2"	13'9"					

Limiting Wall Heights | Curtain Wall

Limiting Wall Heights • Curtain Wall / Single Span

Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			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
600S162-118	12	33	32'10"	28'8"	24'2"	29'10"	26'0"	22'0"	27'8"	24'2"	20'5"	26'0"	22'9"	19'2"	24'9"	21'7"	18'3"	23'8"	20'8"	17'5"
600S162-118	16	33	29'10"	26'0"	22'0"	27'1"	23'8"	19'11"	25'2"	22'0"	18'6"	23'8"	20'8"	17'5"	22'6"	19'8"	16'7"	21'6"	18'9"	15'10"
600S162-118	24	33	26'0"	22'9"	19'2"	23'8"	20'8"	17'5"	22'0"	19'2"	16'2"	20'8"	18'1"	15'3"	19'8"	17'2"	14'6"	18'9"	16'5"	13'10"
600S162-118	12	50	32'10"	28'8"	24'2"	29'10"	26'0"	22'0"	27'8"	24'2"	20'5"	26'0"	22'9"	19'2"	24'9"	21'7"	18'3"	23'8"	20'8"	17'5"
600S162-118	16	50	29'10"	26'0"	22'0"	27'1"	23'8"	19'11"	25'2"	22'0"	18'6"	23'8"	20'8"	17'5"	22'6"	19'8"	16'7"	21'6"	18'9"	15'10"
600S162-118	24	50	26'0"	22'9"	19'2"	23'8"	20'8"	17'5"	22'0"	19'2"	16'2"	20'8"	18'1"	15'3"	19'8"	17'2"	14'6"	18'9"	16'5"	13'10"
600S200-33	12	33	21'11"	20'6"	17'3"	18'11"	18'7"	15'8"	16'11"	16'11"	14'7"	15'6"	15'6"	13'8"	14'4"	14'4"	13'0"	13'5"	13'5"	12'5"
600S200-33	16	33	18'11"	18'7"	15'8"	16'5"	16'5"	14'3"	14'8"	14'8"	13'3"	13'5"	13'5"	12'5"	12'5"	12'5"	11'0"	11'7"	11'7"	11'4"
600S200-33	24	33	15'6"	15'6"	13'8"	13'5"	13'5"	12'5"	12'0"	12'0"	11'7"	10'11"	10'11"	10'10"	10'2"	10'2"	9'6"	9'6"	9'6"	9'6"
600S200-43	12	33	25'7"	22'4"	18'10"	22'8"	20'4"	17'2"	20'3"	18'10"	15'11"	18'6"	17'9"	15'0"	17'1"	16'10"	14'3"	16'0"	16'0"	13'7"
600S200-43	16	33	22'8"	20'4"	17'2"	19'7"	18'5"	15'7"	17'7"	17'2"	14'5"	16'0"	16'0"	13'7"	14'10"	14'10"	12'11"	13'10"	13'10"	12'4"
600S200-43	24	33	18'6"	17'9"	15'0"	16'0"	16'0"	13'7"	14'4"	14'4"	12'7"	13'1"	13'1"	11'11"	12'1"	12'1"	11'3"	11'4"	11'4"	10'9"
600S200-54	12	33	27'6"	24'0"	20'3"	24'11"	21'10"	18'5"	23'2"	20'3"	17'1"	21'10"	19'1"	16'1"	20'6"	18'1"	15'3"	19'2"	17'4"	14'7"
600S200-54	16	33	24'11"	21'10"	18'5"	22'8"	19'10"	16'8"	21'0"	18'5"	15'6"	19'2"	17'4"	14'7"	17'9"	16'5"	13'10"	16'7"	15'9"	13'3"
600S200-54	24	33	21'10"	19'1"	16'1"	19'2"	17'4"	14'7"	17'2"	16'1"	13'7"	15'8"	15'1"	12'9"	14'6"	14'4"	12'1"	13'7"	13'7"	11'7"
600S200-54	12	50	27'6"	24'0"	20'3"	24'11"	21'10"	18'5"	23'2"	20'3"	17'1"	21'10"	19'1"	16'1"	20'9"	18'1"	15'3"	19'10"	17'4"	14'7"
600S200-54	16	50	24'11"	21'10"	18'5"	22'8"	19'10"	16'8"	21'1"	18'5"	15'6"	19'10"	17'4"	14'7"	18'10"	16'5"	13'10"	18'0"	15'9"	13'3"
600S200-54	24	50	21'10"	19'1"	16'1"	19'10"	17'4"	14'7"	18'5"	16'1"	13'7"	17'4"	15'1"	12'9"	16'2"	14'4"	12'1"	15'0"	13'9"	11'7"
600S200-68	12	33	29'6"	25'9"	21'9"	26'9"	23'5"	19'9"	24'10"	21'9"	18'4"	23'5"	20'5"	17'3"	22'3"	19'5"	16'4"	21'3"	18'7"	15'8"
600S200-68	16	33	26'9"	23'5"	19'9"	24'4"	21'3"	17'11"	22'7"	19'9"	16'8"	21'3"	18'7"	15'8"	20'2"	17'8"	14'11"	19'4"	16'10"	14'3"
600S200-68	24	33	23'5"	20'5"	17'3"	21'3"	18'7"	15'8"	19'9"	17'3"	14'6"	18'7"	16'3"	13'8"	17'8"	15'5"	13'0"	16'10"	14'9"	12'5"
600S200-68	12	50	29'6"	25'9"	21'9"	26'9"	23'5"	19'9"	24'10"	21'9"	18'4"	23'5"	20'5"	17'3"	22'3"	19'5"	16'4"	21'3"	18'7"	15'8"
600S200-68	16	50	26'9"	23'5"	19'9"	24'4"	21'3"	17'11"	22'7"	19'9"	16'8"	21'3"	18'7"	15'8"	20'2"	17'8"	14'11"	19'4"	16'10"	14'3"
600S200-68	24	50	23'5"	20'5"	17'3"	21'3"	18'7"	15'8"	19'9"	17'3"	14'6"	18'7"	16'3"	13'8"	17'8"	15'5"	13'0"	16'10"	14'9"	12'5"
600S200-97	12	33	32'9"	28'7"	24'1"	29'9"	26'0"	21'11"	27'7"	24'1"	20'4"	26'0"	22'8"	19'2"	24'8"	21'7"	18'2"	23'7"	20'7"	17'5"
600S200-97	16	33	29'9"	26'0"	21'11"	27'0"	23'7"	19'11"	25'1"	21'11"	18'6"	23'7"	20'7"	17'5"	22'5"	19'7"	16'6"	21'5"	18'9"	15'10"
600S200-97	24	33	26'0"	22'8"	19'2"	23'7"	20'7"	17'5"	21'11"	19'2"	16'2"	20'7"	18'0"	15'2"	19'7"	17'1"	14'5"	18'9"	16'4"	13'10"
600S200-97	12	50	32'9"	28'7"	24'1"	29'9"	26'0"	21'11"	27'7"	24'1"	20'4"	26'0"	22'8"	19'2"	24'8"	21'7"	18'2"	23'7"	20'7"	17'5"
600S200-97	16	50	29'9"	26'0"	21'11"	27'0"	23'7"	19'11"	25'1"	21'11"	18'6"	23'7"	20'7"	17'5"	22'5"	19'7"	16'6"	21'5"	18'9"	15'10"
600S200-97	24	50	26'0"	22'8"	19'2"	23'7"	20'7"	17'5"	21'11"	19'2"	16'2"	20'7"	18'0"	15'2"	19'7"	17'1"	14'5"	18'9"	16'4"	13'10"
600S200-118	12	33	34'7"	30'3"	25'6"	31'5"	27'6"	23'2"	29'2"	25'6"	21'6"	27'6"	24'0"	20'3"	26'1"	22'10"	19'3"	25'0"	21'10"	18'5"
600S200-118	16	33	31'5"	27'6"	23'2"	28'7"	25'0"	21'1"	26'6"	23'2"	19'7"	25'0"	21'10"	18'5"	23'9"	20'9"	17'6"	22'8"	19'10"	16'9"
600S200-118	24	33	27'6"	24'0"	20'3"	25'0"	21'10"	18'5"	23'2"	20'3"	17'1"	21'10"	19'1"	16'1"	20'9"	18'1"	15'3"	19'10"	17'4"	14'7"
600S200-118	12	50	34'7"	30'3"	25'6"	31'5"	27'6"	23'2"	29'2"	25'6"	21'6"	27'6"	24'0"	20'3"	26'1"	22'10"	19'3"	25'0"	21'10"	18'5"
600S200-118	16	50	31'5"	27'6"	23'2"	28'7"	25'0"	21'1"	26'6"	23'2"	19'7"	25'0"	21'10"	18'5"	23'9"	20'9"	17'6"	22'8"	19'10"	16'9"
600S200-118	24	50	27'6"	24'0"	20'3"	25'0"	21'10"	18'5"	23'2"	20'3"	17'1"	21'10"	19'1"	16'1"	20'9"	18'1"	15'3"	19'10"	17'4"	14'7"
600S250-43	12	33	26'10"	23'5"	19'9"	23'3"	21'3"	17'11"	20'10"	19'9"	16'8"	19'0"	18'7"	15'8"	17'7"	14'11"	16'5"	16'5"	14'3"	
600S250-43	16	33	23'3"	21'3"	17'11"	20'2"	19'4"	16'4"	18'0"	17'11"	15'2"	16'5"	16'5"	14'3"	15'3"	15'3"	13'6"	14'3"	14'3"	12'11"
600S250-43	24	33	19'0"	18'7"	15'8"	16'5"	16'5"	14'3"	14'8"	14'8"	13'3"	13'5"	13'5"	12'5"	12'5"	12'5"	11'0"	11'7"	11'7"	11'4"
600S250-54	12	33	28'9"	25'2"	21'2"	26'2"	22'10"	19'3"	24'2"	21'2"	17'11"	22'1"	19'11"	16'10"	20'5"	18'11"	16'0"	19'1"	18'2"	15'4"
600S250-54	16	33	26'2"	22'10"	19'3"	23'5"	20'9"	17'6"	20'11"	19'3"	16'3"	18'2"	15'4"	14'5"	17'5"	15'4"	14'8"	16'7"	16'6"	13'11"
600S250-54	24	33	22'1"	19'11"	16'10"	19'1"	18'2"	15'4"	17'1"	16'10"	14'2"	15'7"	15'7"	13'4"	14'8"	14'5"	12'8"	13'6"	13'6"	12'2"
600S250-54	12	50	28'8"	25'0"	21'1"	26'0"	22'9"	19'2"	24'2"	21'1"	17'10"	22'9"	19'10"	16'9"	21'7"	18'10"	15'11"	20'8"	18'1"	15'3"
600S250-54	16	50	26'0"	22'9"	19'2"	23'8"	20'8"	17'5"	21'11"	19'2"	16'2"	20'8"	18'1"	15'3"	19'7"	17'2"	14'6"	18'9"	16'5"	13'10"
600S250-54	24	50	22'9"	19'10"	16'9"	20'8"	18'1"	15'3"	19'2"	16'9"	14'2"	17'10"	15'9"	13'4"	16'6"	15'0"	12'8"	15'6"	14'4"	12'1"
600S250-68	12	33	30'11"	27'0"	22'9"	28'1"	24'6"	20'8"	26'1"	22'9"	19'2"	24'6"	21'5"	18'1"	23'4"	20'4"	17'2"	22'3"	19'6"	16'5"
600S250-68	16	33	28'1"	24'6"	20'8"	25'6"	22'3"	18'10"	23'8"	20'8"	17'5"	22'3"	19'6"	16'5"	21'2"	18'6"	15'7"	19'10"	17'8"	14'11"
600S250-68	24	33	24'6"	21'5"	18'1"	22'3"	19'6"	16'5"	20'6"	18'1"	15'3"	18'9"	17'0"	14'4"	17'4"	16'2"	13'8"	16'2"	15'5"	13'0"
600S250-68	12	50	30'11"	27'0"	22'9"	28'1"	24'6"	20'8"	26'1"	22'9"	19'2"	24'6"	21'5"	18'1"	23'4"	20'4"	17'2"	22'3"	19'6"	16'5"
600S250-68	16	50	28'1"	24'6"	20'8"	25'6"	22'3"	18'10"	23'8"	20'8"	17'5"	22'3"	19'6"	16'5"	21'2"	18'6"	15'7"	19'10"	17'8"	14'11"
600S250-68	24	50	24'6"	21'5"	18'1"	22'3"	19'6"	16'5"	20'6"	18'1"	15'3"	18'9"	17'0"	14'4"	17'4"	16'2"	13'8"	16'2"	15'5"	13'0"
600S250-97	12	33	34'4"	30'0"	25'4"	31'3"	27'3"	23'0"	29'0"	25'4"	21'4"	27'3"	23'10"	20'1"	25'11"	22'8"	19'1"	24'9"	21'8"	18'3"
600S250-97	16	33	31'3"	27'3"	23'0"	28'4"	24'9"	20'11"	26'4"	23'0"	19'5"	24'9"	21'8"	18'3"	23'6"	20'7"	17'4"	22'6"	19'8"	16'7"
600S250-97	24	33	27'3"	23'10"	20'1"	24'9"	21'8"	18'3"	23'0"	20'1"	16'11"	21'8"	18'11"	15'11"	20'7"	18'0"	15'2"	19'8"	17'2"	14'6"
600S250-97	12	50	34'4"	30'0"	25'4"	31'3"	27'3"	23'0"	29'0"	25'4"	21'4"	27'3"	23'10"	20'1"	25'11"	22'8"	19'1"	24'9"	21'8"	18'3"
600S250-97	16	50	31'3"	27'3"	23'0"	28'4"	24'9"	20'11"	26'4"	23'0"	19'5"	24'9"	21'8"	18'3"	23'6"	20'7"	17'4"	22'6"	19'8"	16'7"
600S250-97	24	50	27'3"	23'10"	20'1"	24'9"	21'8"	18'3"	23'0"	20'1"	16'11"	21'8"	18'11"	15'11"	20'7"	18'0"	15'2"	19'8"	17'2"	14'6"
600S250-118	12	33	36'5"	31'9"	26'10"	33'1"	28'11"	24'4"	30'8"	26'10"	22'7"	28'11"	25'3"	21'3"	27'5"	24'0"	20'3"	26'3"	22'11"	19'4"
600S250-118	16	33	33'1"	28'11"	24'4"	30'0"	26'3"	22'2"	27'11"	24'4"	20'7"	26'3"	22'11"	19'4"	24'11"	21'9"	18'4"	23'10"	20'10"	17'7"
600S250-118	24	33	28'11"	25'3"	21'3"	26'3"	22'11"	19'4"	24'4"	21'3"	17'11"	22'11"	20'0"	16'11"						

Limiting Wall Heights | Curtain Wall

Limiting Wall Heights • Curtain Wall / Single Span

Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			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
600S300-54	12	50	29'3"	25'7"	21'7"	26'7"	23'3"	19'7"	24'8"	21'7"	18'2"	23'3"	20'3"	17'1"	22'1"	19'3"	16'3"	21'1"	18'5"	15'7"
600S300-54	16	50	26'7"	23'3"	19'7"	24'2"	21'1"	17'10"	22'5"	19'7"	16'6"	21'1"	18'5"	15'7"	20'1"	17'6"	14'9"	19'2"	16'9"	14'2"
600S300-54	24	50	23'3"	20'3"	17'1"	21'1"	18'5"	15'7"	19'7"	17'1"	14'5"	18'2"	16'1"	13'7"	16'10"	15'4"	12'11"	15'9"	14'8"	12'4"
600S300-68	12	33	32'2"	28'1"	23'9"	29'3"	25'7"	21'7"	27'2"	23'9"	20'0"	25'7"	22'4"	18'10"	24'3"	21'2"	17'11"	22'8"	20'3"	17'1"
600S300-68	16	33	29'3"	25'7"	21'7"	26'7"	23'3"	19'7"	24'8"	21'7"	18'2"	22'8"	20'3"	17'1"	21'0"	19'3"	16'3"	19'8"	18'5"	15'6"
600S300-68	24	33	25'7"	22'4"	18'10"	22'8"	20'3"	17'1"	20'4"	18'10"	15'11"	18'6"	17'9"	14'11"	17'2"	16'10"	14'2"	16'1"	16'1"	13'7"
600S300-68	12	50	31'11"	27'11"	23'6"	29'0"	25'4"	21'5"	26'11"	23'6"	19'10"	25'4"	22'2"	18'8"	24'1"	21'0"	17'9"	23'0"	20'2"	17'0"
600S300-68	16	50	29'0"	25'4"	21'5"	26'4"	23'0"	19'5"	24'6"	21'5"	18'0"	23'0"	20'2"	17'0"	21'11"	19'1"	16'1"	20'11"	18'3"	15'5"
600S300-68	24	50	25'4"	22'2"	18'8"	23'0"	20'2"	17'0"	21'5"	18'8"	15'9"	20'2"	17'7"	14'10"	19'1"	16'8"	14'1"	18'3"	16'0"	13'6"
600S300-97	12	33	35'10"	31'4"	26'5"	32'7"	28'5"	24'0"	30'3"	26'5"	22'3"	28'5"	24'10"	21'0"	27'0"	23'7"	19'11"	25'10"	22'7"	19'1"
600S300-97	16	33	32'7"	28'5"	24'0"	29'7"	25'10"	21'10"	27'6"	24'0"	20'3"	25'10"	22'7"	19'1"	24'7"	21'5"	18'1"	23'6"	20'6"	17'4"
600S300-97	24	33	28'5"	24'10"	21'0"	25'10"	22'7"	19'1"	24'0"	21'0"	17'8"	22'7"	19'9"	16'8"	21'5"	18'9"	15'10"	20'6"	17'11"	15'1"
600S300-97	12	50	35'8"	31'2"	26'4"	32'5"	28'4"	23'11"	30'1"	26'4"	22'2"	28'4"	24'9"	20'10"	26'11"	23'6"	19'10"	25'9"	22'6"	19'0"
600S300-97	16	50	32'5"	28'4"	23'11"	29'6"	25'9"	21'8"	27'4"	23'11"	20'2"	25'9"	22'6"	19'0"	24'5"	21'4"	18'0"	23'5"	20'5"	17'3"
600S300-97	24	50	28'4"	24'9"	20'10"	25'9"	22'6"	19'0"	23'11"	20'10"	17'7"	22'6"	19'8"	16'7"	21'4"	18'8"	15'9"	20'5"	17'10"	15'1"
600S300-118	12	33	38'0"	33'2"	28'0"	34'6"	30'2"	25'5"	32'1"	28'0"	23'7"	30'2"	26'4"	22'3"	28'8"	25'0"	21'1"	27'5"	23'11"	20'2"
600S300-118	16	33	34'6"	30'2"	25'5"	31'4"	27'5"	23'1"	29'1"	25'5"	21'5"	27'5"	23'11"	20'2"	26'0"	22'9"	19'2"	24'11"	21'9"	18'4"
600S300-118	24	33	30'2"	26'4"	22'3"	27'5"	23'11"	20'2"	25'5"	22'3"	18'9"	23'11"	20'11"	17'8"	22'9"	19'10"	16'9"	21'9"	19'0"	16'0"
600S300-118	12	50	37'11"	33'1"	27'11"	34'5"	30'1"	25'4"	32'0"	27'11"	23'7"	30'1"	26'3"	22'2"	28'7"	24'11"	21'1"	27'4"	23'10"	20'2"
600S300-118	16	50	34'5"	30'1"	25'4"	31'3"	27'4"	23'1"	29'0"	25'4"	21'5"	27'4"	23'10"	20'2"	25'11"	22'8"	19'1"	24'10"	21'8"	18'4"
600S300-118	24	50	30'1"	26'3"	22'2"	27'4"	23'10"	20'2"	25'4"	22'2"	18'8"	23'10"	20'10"	17'7"	22'8"	19'10"	16'8"	21'8"	18'11"	16'0"
600S350-54	12	33	31'4"	27'4"	23'1"	28'5"	24'10"	20'11"	26'5"	23'1"	19'5"	24'10"	21'8"	18'4"	23'1"	20'7"	17'5"	21'7"	19'9"	16'8"
600S350-54	16	33	28'5"	24'10"	20'11"	25'10"	22'7"	19'0"	23'8"	20'11"	17'8"	21'7"	19'9"	16'8"	20'0"	18'9"	15'10"	18'8"	17'11"	15'1"
600S350-54	24	33	24'10"	21'8"	18'4"	21'7"	19'9"	16'8"	19'4"	18'4"	15'5"	17'8"	17'3"	14'6"	16'4"	16'4"	13'10"	15'3"	15'3"	13'2"
800S137-54	12	33	31'1"	27'8"	23'4"	26'11"	25'1"	21'2"	24'1"	23'4"	19'8"	22'0"	21'11"	18'6"	20'4"	20'4"	17'7"	19'0"	19'0"	16'10"
800S137-54	16	33	26'11"	25'1"	21'2"	23'4"	22'10"	19'3"	20'10"	20'10"	17'10"	19'0"	19'0"	16'10"	17'8"	17'8"	16'0"	16'6"	16'6"	15'3"
800S137-54	24	33	22'0"	21'11"	18'6"	19'0"	19'0"	16'10"	17'0"	17'0"	15'7"	15'7"	15'7"	14'8"	14'5"	14'5"	13'11"	13'6"	13'6"	13'4"
800S137-54	12	50	31'5"	27'6"	23'2"	28'7"	24'11"	21'1"	28'6"	23'2"	19'6"	24'11"	21'10"	18'5"	23'4"	20'8"	17'6"	21'9"	19'10"	16'8"
800S137-54	16	50	28'7"	24'11"	21'1"	25'11"	22'8"	19'1"	23'10"	21'1"	17'9"	21'9"	19'10"	16'8"	20'2"	18'10"	15'10"	18'10"	18'0"	15'2"
800S137-54	24	50	24'11"	21'10"	18'5"	21'9"	19'10"	16'8"	19'6"	18'5"	15'6"	17'9"	17'4"	14'7"	16'6"	16'5"	13'10"	15'5"	15'5"	13'3"
800S137-68	12	33	34'0"	29'9"	25'1"	30'11"	27'0"	22'9"	28'2"	25'1"	21'2"	25'9"	23'7"	19'11"	23'10"	22'5"	18'11"	22'3"	21'5"	18'1"
800S137-68	16	33	30'11"	27'0"	22'9"	27'3"	24'6"	20'8"	24'5"	22'9"	19'2"	22'3"	21'5"	18'1"	20'7"	20'4"	17'2"	19'3"	19'3"	16'5"
800S137-68	24	33	25'9"	23'7"	19'11"	22'3"	21'5"	18'1"	19'11"	19'11"	16'9"	18'2"	18'2"	15'9"	16'10"	16'10"	15'0"	15'9"	15'9"	14'4"
800S137-68	12	50	34'0"	29'8"	25'0"	30'11"	27'0"	22'9"	28'8"	25'0"	21'1"	27'0"	23'7"	19'10"	25'7"	22'5"	18'11"	24'6"	21'5"	18'1"
800S137-68	16	50	30'11"	27'0"	22'9"	28'1"	24'6"	20'8"	26'0"	22'9"	19'2"	24'6"	21'5"	18'1"	23'3"	20'4"	17'2"	22'3"	19'5"	16'5"
800S137-68	24	50	27'0"	23'7"	19'10"	24'6"	21'5"	18'1"	22'9"	19'10"	16'9"	21'0"	18'8"	15'9"	19'5"	17'9"	15'0"	18'2"	17'0"	14'4"
800S137-97	12	33	37'9"	32'11"	27'10"	34'3"	29'11"	25'3"	31'10"	27'10"	23'5"	29'11"	26'2"	22'1"	28'5"	24'10"	20'11"	27'2"	23'9"	20'1"
800S137-97	16	33	34'3"	29'11"	25'3"	31'2"	27'2"	22'11"	28'11"	25'3"	21'4"	27'2"	23'9"	20'1"	25'10"	22'7"	19'0"	24'9"	21'7"	18'3"
800S137-97	24	33	29'11"	26'2"	22'1"	27'2"	23'9"	20'1"	25'3"	22'1"	18'7"	23'9"	20'9"	17'6"	22'6"	19'9"	16'8"	21'0"	18'10"	15'11"
800S137-97	12	50	37'9"	32'11"	27'10"	34'3"	29'11"	25'3"	31'10"	27'10"	23'5"	29'11"	26'2"	22'1"	28'5"	24'10"	20'11"	27'2"	23'9"	20'1"
800S137-97	16	50	34'3"	29'11"	25'3"	31'2"	27'2"	22'11"	28'11"	25'3"	21'4"	27'2"	23'9"	20'1"	25'10"	22'7"	19'0"	24'9"	21'7"	18'3"
800S137-97	24	50	30'11"	26'2"	22'1"	27'2"	23'9"	20'1"	25'3"	22'1"	18'7"	23'9"	20'9"	17'6"	22'7"	19'9"	16'8"	21'7"	18'10"	15'11"
800S162-33	12	33	23'8"	23'8"	20'4"	20'6"	20'6"	18'6"	18'4"	18'4"	17'2"	16'9"	16'9"	16'2"	15'6"	15'6"	15'4"	14'6"	14'6"	14'6"
800S162-33	16	33	20'6"	20'6"	18'6"	17'9"	17'9"	16'10"	15'11"	15'11"	15'7"	14'6"	14'6"	14'6"	13'5"	13'5"	13'5"	12'7"	12'7"	12'7"
800S162-33	24	33	16'9"	16'9"	16'2"	14'6"	14'6"	14'6"	13'0"	13'0"	13'0"	11'10"	11'10"	11'10"	11'0"	11'0"	11'0"	10'3"	10'3"	10'3"
800S162-43	12	33	28'7"	26'7"	22'5"	24'9"	24'2"	20'4"	22'1"	20'6"	18'11"	20'2"	17'9"	18'8"	18'8"	16'11"	17'6"	17'6"	16'2"	16'2"
800S162-43	16	33	24'9"	24'2"	20'4"	21'5"	21'5"	18'6"	19'2"	19'2"	17'2"	17'6"	17'6"	16'2"	16'2"	16'2"	15'4"	15'2"	15'2"	14'8"
800S162-43	24	33	20'2"	20'2"	17'9"	17'6"	17'6"	16'2"	15'8"	15'8"	15'0"	14'3"	14'3"	14'1"	13'3"	13'3"	13'3"	12'4"	12'4"	12'4"
800S162-54	12	33	32'11"	28'9"	24'3"	28'10"	26'1"	22'0"	25'10"	24'3"	20'5"	23'7"	22'10"	19'3"	21'10"	21'8"	18'3"	20'5"	20'5"	17'6"
800S162-54	16	33	28'10"	26'1"	22'0"	25'0"	23'9"	20'0"	22'4"	22'0"	18'7"	20'5"	20'5"	17'6"	18'11"	18'11"	16'7"	17'8"	17'8"	15'11"
800S162-54	24	33	23'7"	22'10"	19'3"	20'5"	20'5"	17'6"	18'3"	18'3"	16'3"	16'8"	16'8"	15'3"	15'5"	15'5"	14'6"	14'5"	14'5"	13'10"
800S162-54	12	50	32'8"	28'7"	24'1"	29'9"	25'11"	21'11"	27'7"	24'1"	20'4"	25'11"	22'8"	19'1"	24'8"	21'6"	18'2"	23'5"	20'7"	17'4"
800S162-54	16	50	29'9"	25'11"	21'11"	27'0"	23'7"	19'11"	25'1"	21'11"	18'6"	23'5"	20'7"	17'4"	21'8"	19'7"	16'6"	20'3"	18'9"	15'9"
800S162-54	24	50	25'11"	22'8"	19'1"	23'5"	20'7"	17'4"	20'11"	19'1"	16'2"	19'1"	18'0"	15'2"	17'8"	17'1"	14'5"	16'6"	16'4"	13'9"
800S162-68	12	33	35'4"	30'11"	26'1"	32'2"	28'1"	23'8"	29'10"	26'1"	22'0"	27'5"	24'6"	20'8"	25'5"	23'4"	19'8"	23'9"	22'3"	18'10"
800S162-68	16	33	32'2"	28'1"	23'8"	29'1"	25'6"	21'6"	26'0"	23'8"	20'0"	23'9"	22'3"	18'10"	22'0"	21'2"	17'10"	20'7"	20'3"	17'1"
800S162-68	24	33	27'5"	24'6"	20'8"	23'9"	22'3"	18'10"	21'3"	20'8"	17'5"	19'5"	19'5"	16'5"	17'11"	17'11"	15'7"	16'10"	16'10"	14'11"
800S162-68	12	50	35'4"	30'10"	26'0"	32'1"	28'1"	23'8"	29'10"	26'0"	22'0"	28'1"	24'6"	20'8"	26'8"	23'3"	19'8"	25'6"	22'3"	18'9"
800S162-68	16	50	32'1"	28'1"	23'8"	29'2"	25'6"	21'6"	27'1"	23'8"	19'11"	25'6"	22'3"	18'9"	24'3"	21'2"	17'10"	23'2"	20'3"	17'1"
800S162-68	24	50	28'1"	24'6"	20'8"	25'6"	22'3"	18'9"	23'8"	20'8"	1									

Limiting Wall Heights • Curtain Wall / Single Span

Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			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
800S162-118	12	33	41"7	36"4	30"8	37"9	33"0	27"10	35"1	30"8	25"10	33"0	28"10	24"4	31"4	27"5	23"1	30"0	26"2	22"1
800S162-118	16	33	37"9	33"0	27"10	34"4	30"0	25"3	31"10	27"10	23"6	30"0	26"2	22"1	28"6	24"11	21"0	27"3	23"10	20"1
800S162-118	24	33	33"0	28"10	24"4	30"0	26"2	22"1	27"10	24"4	20"6	26"2	22"11	19"4	24"11	21"9	18"4	23"10	20"9	17"6
800S162-118	12	50	41"7	36"4	30"8	37"9	33"0	27"10	35"1	30"8	25"10	33"0	28"10	24"4	31"4	27"5	23"1	30"0	26"2	22"1
800S162-118	16	50	37"9	33"0	27"10	34"4	30"0	25"3	31"10	27"10	23"6	30"0	26"2	22"1	28"6	24"11	21"0	27"3	23"10	20"1
800S162-118	24	33	33"0	28"10	24"4	30"0	26"2	22"1	27"10	24"4	20"6	26"2	22"11	19"4	24"11	21"9	18"4	23"10	20"9	17"6
800S162-118	12	50	41"7	36"4	30"8	37"9	33"0	27"10	35"1	30"8	25"10	33"0	28"10	24"4	31"4	27"5	23"1	30"0	26"2	22"1
800S162-118	16	50	37"9	33"0	27"10	34"4	30"0	25"3	31"10	27"10	23"6	30"0	26"2	22"1	28"6	24"11	21"0	27"3	23"10	20"1
800S162-118	24	50	33"0	28"10	24"4	30"0	26"2	22"1	27"10	24"4	20"6	26"2	22"11	19"4	24"11	21"9	18"4	23"10	20"9	17"6
800S200-33	12	33	25"5	25"5	21"8	22"0	22"0	19"9	19"8	19"8	18"4	18"0	18"0	17"3	16"8	16"8	16"4	15"7	15"7	15"7
800S200-33	16	33	22"0	22"0	19"9	19"1	19"1	17"11	17"1	17"1	16"8	15"7	15"7	15"7	14"5	14"5	14"5	13"6	13"6	13"6
800S200-33	24	33	18"0	18"0	17"3	15"7	15"7	15"7	13"11	13"11	13"11	12"8	12"8	12"8	11"9	11"9	11"9	11"0	11"0	11"0
800S200-43	12	33	30"7	28"1	23"8	26"5	25"6	21"6	23"8	23"8	19"11	17"7	17"7	18"9	17"4	17"4	16"2	16"2	16"2	17"1
800S200-43	16	33	26"5	25"6	21"6	22"11	22"11	19"6	20"6	20"6	18"2	18"8	18"8	17"1	17"1	17"1	16"2	16"2	16"2	15"6
800S200-43	24	33	21"7	21"7	18"9	18"8	18"8	17"1	16"9	16"9	15"10	15"3	15"3	14"11	14"2	14"2	14"2	13"3	13"3	13"3
800S200-54	12	33	34"6	30"2	25"5	31"4	27"5	23"1	28"6	25"5	21"5	26"0	23"11	20"2	24"1	22"9	19"2	22"6	21"9	18"4
800S200-54	16	33	31"4	27"5	23"1	27"7	24"10	21"0	24"8	23"1	19"6	22"6	21"9	18"4	20"10	20"8	17"5	19"6	19"6	16"8
800S200-54	24	33	26"0	23"11	20"2	22"6	21"9	18"4	20"2	20"2	17"0	18"4	18"4	16"0	17"0	17"0	15"2	15"11	15"11	14"7
800S200-54	12	50	34"6	30"2	25"5	31"4	27"5	23"1	29"1	25"5	21"5	27"5	23"11	20"2	26"0	22"9	19"2	24"10	21"9	18"4
800S200-54	16	50	31"4	27"5	23"1	28"6	24"10	21"0	26"5	23"1	19"6	24"10	21"9	18"4	23"1	20"8	17"5	21"7	19"9	16"8
800S200-54	24	50	27"5	23"11	20"2	24"10	21"9	18"4	22"4	20"2	17"0	20"5	19"0	16"0	18"10	18"0	15"2	17"8	17"3	14"7
800S200-68	12	33	37"1	32"4	27"4	33"8	29"5	24"10	31"3	27"4	23"0	29"5	25"8	21"8	27"11	24"5	20"7	26"5	23"4	19"8
800S200-68	16	33	33"8	29"5	24"10	30"7	26"9	22"6	28"5	24"10	20"11	26"5	23"4	19"8	24"5	22"2	18"8	22"10	21"2	17"11
800S200-68	24	33	29"5	25"8	21"8	26"5	23"4	19"8	23"7	21"8	18"3	21"7	20"5	17"2	19"11	19"4	16"4	18"8	18"6	15"7
800S200-68	12	50	37"1	32"4	27"4	33"8	29"5	24"10	31"3	27"4	23"0	29"5	25"8	21"8	27"11	24"5	20"7	26"9	23"4	19"8
800S200-68	16	50	33"8	29"5	24"10	30"7	26"9	22"6	28"5	24"10	20"11	26"9	23"4	19"8	25"4	22"2	18"8	24"3	21"2	17"11
800S200-68	24	50	29"5	25"8	21"8	26"5	23"4	19"8	23"7	21"8	18"3	21"7	20"5	17"2	19"11	19"4	16"4	18"8	18"6	15"7
800S200-68	12	33	41"2	36"0	30"4	37"5	32"8	27"7	34"9	30"4	25"7	32"8	28"7	24"1	31"1	27"2	22"11	29"9	25"11	21"11
800S200-97	16	33	37"5	32"8	27"7	34"0	29"9	25"1	31"7	27"7	23"3	29"9	25"11	21"11	28"3	24"8	20"10	27"0	23"7	19"11
800S200-97	24	33	32"8	28"7	24"1	29"9	25"11	21"11	27"7	24"1	20"4	25"11	22"8	19"1	24"8	21"6	18"2	23"4	20"7	17"5
800S200-97	12	50	41"2	36"0	30"4	37"5	32"8	27"7	34"9	30"4	25"7	32"8	28"7	24"1	31"1	27"2	22"11	29"9	25"11	21"11
800S200-97	16	50	37"5	32"8	27"7	34"0	29"9	25"1	31"7	27"7	23"3	29"9	25"11	21"11	28"3	24"8	20"10	27"0	23"7	19"11
800S200-97	24	50	32"8	28"7	24"1	29"9	25"11	21"11	27"7	24"1	20"4	25"11	22"8	19"1	24"8	21"6	18"2	23"7	20"7	17"5
800S200-118	12	33	43"8	38"2	32"2	39"8	34"8	29"3	36"10	32"2	27"1	34"8	30"3	25"6	32"11	28"9	24"3	31"6	27"6	23"2
800S200-118	16	33	39"8	34"8	29"3	36"0	31"6	26"7	33"5	29"3	24"8	31"6	27"6	23"2	29"11	26"1	22"0	28"7	25"0	21"1
800S200-118	24	33	34"8	30"3	25"6	31"6	27"6	23"2	29"3	25"6	21"6	27"6	24"0	20"3	26"1	22"10	19"3	25"0	21"10	18"5
800S200-118	12	50	43"8	38"2	32"2	39"8	34"8	29"3	36"10	32"2	27"1	34"8	30"3	25"6	32"11	28"9	24"3	31"6	27"6	23"2
800S200-118	16	50	39"8	34"8	29"3	36"0	31"6	26"7	33"5	29"3	24"8	31"6	27"6	23"2	29"11	26"1	22"0	28"7	25"0	21"1
800S200-118	24	50	34"8	30"3	25"6	31"6	27"6	23"2	29"3	25"6	21"6	27"6	24"0	20"3	26"1	22"10	19"3	25"0	21"10	18"5
800S250-43	12	33	31"4	29"3	24"8	27"1	26"7	22"5	24"3	24"3	20"10	22"2	22"2	19"7	20"6	20"6	18"7	19"2	19"2	17"10
800S250-43	16	33	27"1	26"7	22"5	23"6	23"6	20"4	21"0	21"0	18"11	19"2	19"2	17"10	17"9	17"9	16"11	16"7	16"7	16"2
800S250-43	24	33	22"2	22"2	19"7	19"2	19"2	17"10	17"2	17"2	16"6	15"8	15"8	15"7	14"6	14"6	14"6	13"7	13"7	13"7
800S250-54	12	33	36"0	31"5	26"6	31"8	28"7	24"1	28"4	26"6	22"4	25"10	24"11	21"1	23"11	23"8	20"0	22"5	22"5	19"1
800S250-54	16	33	31"8	28"7	24"1	27"5	25"11	21"11	24"6	24"1	20"4	22"5	22"5	19"1	20"9	20"9	18"2	19"5	19"5	17"4
800S250-54	24	33	25"10	24"11	21"1	22"5	22"5	19"1	20"0	20"0	17"9	18"3	18"3	16"8	16"11	16"11	15"10	15"10	15"10	15"2
800S250-54	12	50	35"10	31"4	26"5	32"7	28"5	24"0	30"3	26"5	22"3	28"5	24"10	21"0	27"0	23"7	19"11	25"7	22"7	19"1
800S250-54	16	50	32"7	28"5	24"0	29"7	25"10	21"10	27"6	24"0	20"3	25"7	22"7	19"1	23"8	21"5	18"1	22"1	20"6	17"4
800S250-54	24	50	28"5	24"10	21"0	25"7	22"7	19"1	22"10	21"0	17"8	20"10	19"9	16"8	19"4	18"9	15"10	18"1	17"11	15"1
800S250-68	12	33	38"8	33"9	28"6	35"2	30"8	25"11	32"7	28"6	24"0	30"8	26"10	22"7	28"10	25"6	21"6	27"0	24"4	20"7
800S250-68	16	33	35"2	30"8	25"11	31"11	27"11	23"6	29"7	25"11	21"10	27"0	24"4	20"7	25"0	23"2	19"6	23"4	22"2	18"8
800S250-68	24	33	30"8	26"10	22"7	27"0	24"4	20"7	24"1	22"7	19"1	22"0	21"3	17"1	20"5	20"3	17"1	19"1	19"1	16"4
800S250-68	12	50	38"8	33"9	28"6	35"1	30"8	25"10	32"7	28"6	24"0	30"8	26"10	22"7	29"2	25"5	21"6	27"10	24"4	20"6
800S250-68	16	50	35"1	30"8	25"10	31"11	27"10	23"6	29"7	25"10	21"10	27"10	24"4	20"6	26"6	23"1	19"6	25"4	22"1	18"8
800S250-68	24	50	30"8	26"10	22"7	27"10	24"4	20"6	25"10	22"7	19"1	24"4	21"3	17"11	22"8	20"2	17"0	21"2	19"4	16"4
800S250-97	12	33	43"1	37"7	31"9	39"2	34"2	28"10	36"4	31"9	26"9	34"2	29"10	25"2	32"6	28"4	23"11	31"1	27"2	22"11
800S250-97	16	33	39"2	34"2	28"10	35"7	31"1	26"2	33"0	28"10	24"4	31"1	27"2	22"11	29"6	25"9	21"9	28"3	24"8	20"9
800S250-97	24	33	34"2	29"10	25"2	31"1	27"2	22"11	28"10	25"2	21"3	27"2	23"8	20"0	25"9	22"6	19"0	24"3	21"6	18"2
800S250-97	12	50	43"1	37"7	31"9	39"2	34"2	28"10	36"4	31"9	26"9	34"2	29"10	25"2	32"6	28"4	23"11	31"1	27"2	22"11
800S250-97	16	50	39"2	34"2	28"10	35"7	31"1	26"2	33"0	28"10	24"4	31"1	27"2	22"11	29"6	25"9	21"9	28"3	24"8	20"9
800S250-97	24	50	34"2	29"10	25"2	31"1	27"2	22"11	28"10	25"2	21									

Limiting Wall Heights | Curtain Wall



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Stud Member	Spacing o.c. (in)	F _y (ksi)	15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			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
800S300-54	12	33	37'2"	32'6"	27'5"	32'3"	29'6"	24'11"	28'10"	27'5"	23'1"	26'4"	25'10"	21'9"	24'4"	24'4"	20'8"	22'9"	22'9"	19'9"
800S300-54	16	33	32'3"	29'6"	24'11"	27'11"	26'10"	22'8"	24'11"	24'11"	21'0"	22'9"	22'9"	19'9"	21'1"	21'1"	18'9"	19'9"	19'9"	18'0"
800S300-54	24	33	26'4"	25'10"	21'9"	22'9"	22'9"	19'9"	20'5"	20'5"	18'4"	18'7"	18'7"	17'3"	17'3"	17'3"	16'5"	16'1"	16'1"	15'8"
800S300-54	12	50	36'7"	32'0"	27'0"	33'3"	29'1"	24'6"	30'11"	27'0"	22'9"	29'1"	25'5"	21'5"	24'1"	20'4"	25'11"	23'1"	19'5"	
800S300-54	16	50	33'3"	29'1"	24'6"	30'3"	26'5"	22'3"	28'1"	24'6"	20'8"	25'11"	23'1"	19'5"	24'0"	21'11"	18'6"	22'5"	20'11"	17'8"
800S300-54	24	50	29'1"	25'5"	21'5"	25'11"	23'1"	19'5"	23'2"	21'5"	18'1"	21'2"	20'2"	17'0"	19'7"	19'2"	16'2"	18'4"	18'4"	15'5"
800S300-68	12	33	40'2"	35'1"	29'7"	36'6"	31'10"	26'10"	33'8"	29'7"	24'11"	30'9"	27'10"	23'6"	28'6"	26'5"	22'4"	26'8"	25'3"	21'4"
800S300-68	16	33	36'6"	31'10"	26'10"	32'7"	28'11"	24'5"	29'2"	26'10"	22'8"	26'8"	25'3"	21'4"	24'8"	24'0"	20'3"	23'1"	23'0"	19'4"
800S300-68	24	33	30'9"	27'10"	23'6"	26'8"	25'3"	21'4"	23'10"	23'6"	19'10"	21'9"	21'9"	18'8"	20'2"	20'2"	17'8"	18'10"	18'10"	16'11"
800S300-68	12	50	39'9"	34'9"	29'4"	36'2"	31'7"	26'8"	33'7"	29'4"	24'9"	31'7"	27'7"	23'3"	30'0"	26'2"	22'1"	28'8"	25'1"	21'2"
800S300-68	16	50	36'2"	31'7"	26'8"	32'10"	28'8"	24'2"	30'6"	26'8"	22'6"	28'8"	25'1"	21'2"	27'3"	23'10"	20'1"	26'1"	22'9"	19'2"
800S300-68	24	50	31'7"	27'7"	23'3"	28'8"	25'1"	21'2"	26'8"	23'3"	19'7"	24'10"	21'11"	18'6"	23'0"	20'10"	17'6"	21'6"	19'11"	16'9"
800S300-97	12	33	44'9"	39'1"	33'0"	40'8"	35'6"	30'0"	37'9"	33'0"	27'10"	35'6"	31'1"	26'2"	33'9"	29'6"	24'10"	32'3"	28'2"	23'9"
800S300-97	16	33	40'8"	35'6"	30'0"	37'0"	32'3"	27'3"	34'4"	30'0"	25'3"	32'3"	28'2"	23'9"	30'8"	26'10"	22'7"	29'4"	25'8"	21'7"
800S300-97	24	33	35'6"	31'1"	26'2"	32'3"	28'2"	23'9"	30'0"	26'2"	22'1"	28'2"	24'8"	20'9"	26'5"	23'5"	19'9"	24'9"	22'5"	18'11"
800S300-97	12	50	44'7"	38'11"	32'10"	40'6"	35'4"	29'10"	37'7"	32'10"	27'8"	35'4"	30'11"	26'1"	33'7"	29'4"	24'9"	32'2"	28'1"	23'8"
800S300-97	16	50	40'6"	35'4"	29'10"	36'9"	32'2"	27'1"	34'2"	29'10"	25'2"	32'2"	28'1"	23'8"	30'6"	26'8"	22'6"	29'2"	25'6"	21'6"
800S300-97	24	50	35'4"	30'11"	26'1"	32'2"	28'1"	23'8"	29'10"	26'1"	22'0"	28'1"	24'6"	20'8"	26'8"	23'4"	19'8"	25'6"	22'3"	18'10"
800S300-118	12	33	47'6"	41'6"	35'0"	43'2"	37'8"	31'10"	40'1"	35'0"	29'6"	37'8"	32'11"	27'9"	35'10"	31'3"	26'5"	34'3"	29'11"	25'3"
800S300-118	16	33	43'2"	37'8"	31'10"	39'3"	34'3"	28'11"	36'5"	31'10"	26'10"	34'3"	29'11"	25'3"	32'6"	28'5"	24'0"	31'1"	27'2"	22'11"
800S300-118	24	33	37'8"	32'11"	27'9"	34'3"	29'11"	25'3"	31'10"	27'9"	23'5"	29'11"	26'2"	22'1"	28'5"	24'10"	20'11"	27'2"	23'9"	20'0"
800S300-118	12	50	47'4"	41'5"	34'11"	43'0"	37'7"	31'8"	39'11"	34'11"	29'5"	37'7"	32'10"	27'8"	35'9"	31'2"	26'4"	34'2"	29'10"	25'2"
800S300-118	16	50	43'0"	37'7"	31'8"	39'1"	34'2"	28'10"	36'4"	31'8"	26'9"	34'2"	29'10"	25'2"	32'5"	28'4"	23'11"	31'0"	27'1"	22'10"
800S300-118	24	50	37'7"	32'10"	27'8"	34'2"	29'10"	25'2"	31'8"	27'8"	23'4"	29'10"	26'1"	22'0"	28'4"	24'9"	20'11"	27'1"	23'8"	20'0"
800S350-54	12	33	39'0"	34'1"	28'9"	35'5"	30'11"	26'1"	31'11"	28'9"	24'3"	29'2"	27'0"	22'9"	27'0"	25'8"	21'8"	25'3"	24'7"	20'8"
800S350-54	16	33	35'5"	30'11"	26'1"	30'11"	28'1"	23'8"	27'8"	26'1"	22'0"	25'3"	24'7"	20'8"	23'5"	23'4"	19'8"	21'11"	21'11"	18'10"
800S350-54	24	33	29'2"	27'0"	22'9"	25'3"	24'7"	20'8"	22'7"	22'7"	19'3"	20'8"	20'8"	18'1"	19'1"	19'1"	17'2"	17'10"	17'10"	16'5"
800S350-54	12	50	38'7"	33'8"	28'5"	35'1"	30'7"	25'10"	32'6"	28'5"	24'0"	30'7"	26'9"	22'7"	29'1"	25'5"	21'5"	27'10"	24'4"	20'6"
800S350-54	16	50	35'1"	30'7"	25'10"	31'10"	27'10"	23'6"	29'7"	25'10"	21'9"	27'10"	24'4"	20'6"	26'5"	23'1"	19'6"	24'11"	22'1"	18'7"
800S350-54	24	50	30'7"	26'9"	22'7"	27'10"	24'4"	20'6"	25'9"	22'7"	19'0"	23'6"	21'3"	17'11"	21'9"	20'2"	17'0"	20'4"	19'3"	16'3"
800S350-68	12	33	42'3"	36'10"	31'1"	38'4"	33'6"	28'3"	35'7"	31'1"	26'3"	33'6"	29'3"	24'8"	31'5"	27'10"	23'5"	29'5"	26'7"	22'5"
800S350-68	16	33	38'4"	33'6"	28'3"	34'10"	30'5"	25'8"	32'3"	28'3"	23'10"	29'5"	26'7"	22'5"	27'3"	25'3"	21'4"	25'6"	24'2"	20'5"
800S350-68	24	33	33'6"	29'3"	24'8"	29'5"	26'7"	22'5"	26'4"	24'8"	20'10"	24'0"	23'3"	19'7"	22'3"	22'1"	18'7"	20'10"	20'10"	17'10"
800S350-68	12	50	42'1"	36'9"	31'0"	38'2"	33'5"	28'2"	35'6"	31'0"	26'2"	33'5"	29'2"	24'7"	31'8"	27'8"	23'4"	30'4"	26'6"	22'4"
800S350-68	16	50	38'2"	33'5"	28'2"	34'9"	30'4"	25'7"	32'3"	28'2"	23'9"	30'4"	26'6"	22'4"	28'10"	25'2"	21'3"	27'7"	24'1"	20'4"
800S350-68	24	50	33'5"	29'2"	24'7"	30'4"	26'6"	22'4"	28'2"	24'7"	20'9"	26'6"	23'2"	19'6"	25'2"	22'0"	18'6"	23'10"	21'0"	17'9"
800S350-97	12	33	47'1"	41'2"	34'8"	42'10"	37'5"	31'6"	39'9"	34'8"	29'3"	37'5"	32'8"	27'7"	35'6"	31'0"	26'2"	34'0"	29'8"	25'0"
800S350-97	16	33	42'10"	37'5"	31'6"	38'11"	34'0"	28'8"	36'1"	31'6"	26'7"	34'0"	29'8"	25'0"	32'3"	28'2"	23'9"	30'10"	27'0"	22'9"
800S350-97	24	33	37'5"	32'8"	27'7"	34'0"	29'8"	25'0"	31'6"	27'7"	23'3"	29'8"	25'11"	21'10"	28'2"	24'7"	20'9"	27'0"	23'7"	19'10"
800S350-97	12	50	47'1"	41'2"	34'8"	42'10"	37'5"	31'6"	39'9"	34'8"	29'3"	37'5"	32'8"	27'7"	35'6"	31'0"	26'2"	34'0"	29'8"	25'0"
800S350-97	16	50	42'10"	37'5"	31'6"	38'11"	34'0"	28'8"	36'1"	31'6"	26'7"	34'0"	29'8"	25'0"	32'3"	28'2"	23'9"	30'10"	27'0"	22'9"
800S350-97	24	50	37'5"	32'8"	27'7"	34'0"	29'8"	25'0"	31'6"	27'7"	23'3"	29'8"	25'11"	21'10"	28'2"	24'7"	20'9"	27'0"	23'7"	19'10"
800S350-118	12	33	50'0"	43'8"	36'10"	45'5"	39'8"	33'6"	42'2"	36'10"	31'1"	39'8"	34'8"	29'3"	37'9"	32'11"	27'9"	36'1"	31'6"	26'7"
800S350-118	16	33	45'5"	39'8"	33'6"	41'3"	36'1"	30'5"	38'4"	33'6"	28'3"	36'1"	31'6"	26'7"	34'3"	29'11"	25'3"	32'9"	28'8"	24'2"
800S350-118	24	33	39'8"	34'8"	29'3"	36'1"	31'6"	26'7"	33'6"	29'3"	24'8"	31'6"	27'6"	23'3"	29'11"	26'2"	22'1"	28'8"	25'0"	21'1"
800S350-118	12	50	50'0"	43'8"	36'10"	45'5"	39'8"	33'6"	42'2"	36'10"	31'1"	39'8"	34'8"	29'3"	37'9"	32'11"	27'9"	36'1"	31'6"	26'7"
800S350-118	16	50	45'5"	39'8"	33'6"	41'3"	36'1"	30'5"	38'4"	33'6"	28'3"	36'1"	31'6"	26'7"	34'3"	29'11"	25'3"	32'9"	28'8"	24'2"
800S350-118	24	50	39'8"	34'8"	29'3"	36'1"	31'6"	26'7"	33'6"	29'3"	24'8"	31'6"	27'6"	23'3"	29'11"	26'2"	22'1"	28'8"	25'0"	21'1"

Notes:

- Lateral loads have not been modified for strength checks. Full loads are applied.
- Calculated properties are based on AISI S100-16, "North American Specification for Cold-Formed Steel Structural Members."
- For 15 psf or higher wind pressure, read the note below:
 IBC 2012/ASCE 7-10: Due to the change in the model building codes, design wind pressures determined using IBC 2012/ASCE 7-10 are strength level loads (LRFD) in comparison to those tables determined in earlier IBC codes which were service level loads (ASD). The load/span tables are based on service level (ASD) wind loads. Therefore, to properly use the load/span tables in this catalog, multiply the IBC 2012/ASCE 7-10 design wind pressures by 0.6 (Reference section 2.4 ASCE 7-10) prior to entering the load/span tables.
 - Example:
 * ASCE 7-10 Calculated Design Wind Pressure = 25 psf (Strength level loads, LRFD)
 * Convert to service level loads (ASD) = 25 psf x 0.6 = 15 psf
 * Use 15 psf as the Pressure Value used in this Table to determine the member span
 Any Other Building Code: The load/span tables are based on service level (ASD) wind loads. If the wind load being used meets this criterion, it does not need to be modified prior to using the tables.
- 15 psf and higher wind pressures have been multiplied by 0.7 for deflection determination, in accordance with footnote "f" of IBC Table 1604.3. The 5 psf live load has not been reduced for deflection checks.
- Limiting heights are based on continuous support of each flange over the full length of the stud.
- Limiting heights are based on steel properties alone (non-composite).
- Web crippling checks are based on end-one flange loading condition using 1-inch end bearing.
- End shear and web crippling capacity have not been reduced for punchouts. Punchouts are assumed to be at least 10-inches from the end of members, in accordance with ASTM C955, Section 4.6.
- Where limiting heights are followed by "e", web stiffeners are required.

Combined Axial & Lateral Load Tables

5 psf Lateral Load (Interior Walls Only)															
Wall Height (ft)	Spacing o.c. (in)	350S162-(mils)					362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	1.81a	2.56a	3.97a	5.08a	7.44a	1.49a	2.14a	3.32a	4.37a	1.87a	2.65a	4.15a	5.38a	7.87a
	16	1.74a	2.48a	3.90a	5.01a	7.36a	1.42a	2.07a	3.26a	4.30a	1.80a	2.57a	4.08a	5.31a	7.79a
	24	1.58a	2.32a	3.76a	4.87a	7.21a	1.29a	1.93a	3.13a	4.17a	1.65a	2.42a	3.94a	5.17a	7.63a
9	12	1.67a	2.38a	3.65a	4.67a	6.83a	1.38a	2.01a	3.11a	4.07a	1.74a	2.48a	3.86a	4.99a	7.28a
	16	1.57a	2.28a	3.56a	4.58a	6.74a	1.30a	1.92a	3.02a	3.99a	1.64a	2.38a	3.77a	4.90a	7.18a
	24	1.39a	2.09a	3.39a	4.41a	6.54a	1.13a	1.74a	2.87a	3.82a	1.46a	2.19a	3.60a	4.72a	6.98a
10	12	1.51a	2.18a	3.29a	4.23a	6.17a	1.26a	1.85a	2.85a	3.73a	1.58a	2.29a	3.53a	4.55a	6.62a
	16	1.40a	2.07a	3.19a	4.12a	6.05a	1.16a	1.74a	2.75a	3.63a	1.47a	2.17a	3.42a	4.44a	6.50a
	24	1.19a	1.84a	2.99a	3.92a	5.83a	0.96a	1.54a	2.57a	3.44a	1.26a	1.95a	3.22a	4.23a	6.27a
12	12	1.18a	1.75a	2.56a	3.31a	4.80a	0.99a	1.51a	2.27a	2.97a	1.25a	1.87a	2.79a	3.60a	5.23a
	16	1.04b	1.61a	2.44a	3.18a	4.66a	0.86b	1.37a	2.15a	2.85a	1.11a	1.72a	2.66a	3.47a	5.08a
	24	0.79d	1.34c	2.21a	2.94a	4.39a	0.63d	1.12c	1.93b	2.62a	0.86c	1.44b	2.42a	3.22a	4.80a
14	12	0.86c	1.33a	1.95a	2.54a	3.68a	0.72c	1.15b	1.75a	2.30a	0.93b	1.44a	2.14a	2.78a	4.03a
	16	0.71d	1.17c	1.82b	2.40a	3.53a	0.59d	1.00c	1.62b	2.16a	0.78d	1.28b	2.00a	2.64a	3.87a
	24	0.46e	0.89d	1.58d	2.16c	3.25a	0.34e	0.73e	1.39d	1.92c	0.52e	0.99d	1.75c	2.38b	3.58a
16	12	0.59d	0.96c	1.48b	1.95a	2.84a	0.49d	0.83d	1.33c	1.76b	0.65d	1.06c	1.63b	2.14a	3.12a
	16	0.45e	0.80d	1.35d	1.81c	2.69a	0.36e	0.68e	1.20d	1.63c	0.51e	0.90d	1.49c	2.00b	2.96a
	24	0.21f	0.54e	1.12e	1.57d	2.41c	0.12f	0.42f	0.97e	1.38e	0.25f	0.61e	1.25e	1.74d	2.67c

5 psf Lateral Load (Interior Walls Only)															
Wall Height (ft)	Spacing o.c. (in)	362S200-(mils)					400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	2.25a	3.28a	5.18a	6.68a	9.54a	1.61a	2.31a	3.67a	4.98a	2.03a	2.87a	4.62a	6.18a	9.08a
	16	2.17a	3.20a	5.10a	6.60a	9.46a	1.55a	2.25a	3.61a	4.91a	1.96a	2.80a	4.55a	6.11a	9.01a
	24	2.01a	3.03a	4.94a	6.45a	9.30a	1.42a	2.12a	3.49a	4.79a	1.82a	2.65a	4.42a	5.97a	8.86a
9	12	2.10a	3.07a	4.79a	6.17a	8.81a	1.52a	2.20a	3.49a	4.79a	1.91a	2.72a	4.37a	5.85a	8.56a
	16	2.00a	2.96a	4.69a	6.07a	8.71a	1.44a	2.12a	3.42a	4.70a	1.82a	2.63a	4.28a	5.76a	8.46a
	24	1.80a	2.76a	4.49a	5.88a	8.51a	1.28a	1.95a	3.26a	4.54a	1.65a	2.45a	4.11a	5.59a	8.27a
10	12	1.93a	2.84a	4.37a	5.61a	8.02a	1.41a	2.07a	3.28a	4.49a	1.77a	2.56a	4.07a	5.47a	7.95a
	16	1.81a	2.71a	4.25a	5.49a	7.90a	1.31a	1.97a	3.19a	4.38a	1.67a	2.45a	3.97a	5.36a	7.83a
	24	1.57a	2.47a	4.01a	5.27a	7.66a	1.12a	1.77a	3.00a	4.18a	1.46a	2.23a	3.77a	5.14a	7.60a
12	12	1.56a	2.32a	3.45a	4.44a	6.36a	1.16a	1.76a	2.77a	3.75a	1.46a	2.17a	3.41a	4.54a	6.58a
	16	1.40a	2.16a	3.30a	4.30a	6.21a	1.03a	1.62a	2.64a	3.61a	1.32a	2.02a	3.27a	4.39a	6.42a
	24	1.11c	1.86a	3.03a	4.03a	5.92a	0.79c	1.36b	2.40a	3.35a	1.06b	1.74a	3.01a	4.12a	6.11a
14	12	1.18a	1.81a	2.64a	3.43a	4.94a	0.90b	1.41a	2.22a	2.96a	1.14a	1.75a	2.71a	3.57a	5.17a
	16	1.01c	1.63b	2.48a	3.28a	4.77a	0.75c	1.25b	2.08a	2.80a	0.98c	1.58a	2.55a	3.41a	4.99a
	24	0.70d	1.31d	2.19c	2.99a	4.46a	0.49e	0.96d	1.81c	2.52b	0.70d	1.26c	2.27b	3.11a	4.66a
16	12	0.84c	1.36b	2.01a	2.66a	3.85a	0.65d	1.08c	1.74a	2.30a	0.84c	1.35b	2.12a	2.78a	4.04a
	16	0.67d	1.18c	1.86c	2.50a	3.68a	0.50e	0.91d	1.59c	2.14b	0.68d	1.17c	1.96b	2.61a	3.85a
	24	0.38e	0.86e	1.58d	2.21c	3.37b	0.23f	0.61e	1.32d	1.86d	0.39e	0.85e	1.67d	2.31c	3.52b

Combined Axial & Lateral Load Tables

5 psf Lateral Load (Interior Walls Only)																
Wall Height (ft)	Spacing o.c. (in)	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		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
8	12	2.42a	3.55a	5.77a	7.63a	11.03a	2.39a	3.38a	5.63a	7.46a	11.33a	1.77a	2.51a	3.81a	5.05a	7.56a
	16	2.34a	3.48a	5.70a	7.56a	10.95a	2.34a	3.33a	5.58a	7.41a	11.28a	1.73a	2.47a	3.78a	5.02a	7.53a
	24	2.19a	3.32a	5.54a	7.41a	10.80a	2.24a	3.23a	5.49a	7.32a	11.20a	1.65a	2.39a	3.72a	4.96a	7.48a
9	12	2.28a	3.37a	5.43a	7.19a	10.36a	2.32a	3.31a	5.55a	7.41a	11.28a	1.74a	2.47a	3.78a	5.02a	7.54a
	16	2.19a	3.27a	5.33a	7.10a	10.26a	2.26a	3.24a	5.49a	7.36a	11.23a	1.69a	2.43a	3.74a	4.98a	7.50a
	24	2.00a	3.08a	5.14a	6.91a	10.06a	2.13a	3.12a	5.38a	7.24a	11.11a	1.59a	2.33a	3.66a	4.90a	7.43a
10	12	2.13a	3.16a	5.04a	6.70a	9.61a	2.25a	3.22a	5.41a	7.35a	11.23a	1.70a	2.44a	3.75a	4.99a	7.51a
	16	2.01a	3.04a	4.92a	6.58a	9.48a	2.16a	3.14a	5.34a	7.27a	11.15a	1.63a	2.37a	3.70a	4.94a	7.46a
	24	1.79a	2.81a	4.69a	6.35a	9.24a	2.00a	2.99a	5.19a	7.12a	11.00a	1.51a	2.25a	3.59a	4.84a	7.37a
12	12	1.79a	2.69a	4.19a	5.57a	7.97a	2.05a	3.00a	5.04a	6.87a	11.04a	1.60a	2.34a	3.67a	4.91a	7.43a
	16	1.63a	2.53a	4.03a	5.41a	7.80a	1.93a	2.89a	4.93a	6.76a	10.91a	1.51a	2.25a	3.59a	4.83a	7.36a
	24	1.35a	2.22a	3.74a	5.11a	7.48a	1.71a	2.68a	4.71a	6.54a	10.66a	1.33a	2.07a	3.43a	4.67a	7.22a
14	12	1.43a	2.19a	3.32a	4.39a	6.30a	1.81a	2.72a	4.54a	6.23a	10.00a	1.48a	2.22a	3.55a	4.79a	7.32a
	16	1.25b	2.00a	3.14a	4.21a	6.12a	1.66a	2.57a	4.39a	6.07a	9.83a	1.36a	2.09a	3.44a	4.67a	7.22a
	24	0.92d	1.65b	2.82a	3.88a	5.76a	1.37a	2.29a	4.11a	5.78a	9.49a	1.11a	1.85a	3.21a	4.45a	7.02a
16	12	1.07b	1.71a	2.60a	3.42a	4.95a	1.53a	2.39a	3.95a	5.45a	8.76a	1.34a	2.07a	3.40a	4.63a	7.17a
	16	0.89d	1.51b	2.41a	3.24a	4.76a	1.35a	2.20a	3.77a	5.26a	8.54a	1.18a	1.90a	3.24a	4.47a	7.02a
	24	0.56e	1.16d	2.09c	2.91b	4.40a	1.02c	1.87a	3.43a	4.91a	8.12a	0.87c	1.59a	2.95a	4.16a	6.73a

5 psf Lateral Load (Interior Walls Only)																
Wall Height (ft)	Spacing o.c. (in)	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		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
8	12	2.42a	3.39a	5.61a	7.45a	11.40a	2.86a	4.31a	7.46a	9.97a	15.65a	1.71a*	2.43a	3.57a	4.75a	7.23a
	16	2.37a	3.35a	5.57a	7.41a	11.36a	2.81a	4.26a	7.41a	9.92a	15.60a	1.68a*	2.40a	3.55a	4.73a	7.21a
	24	2.28a	3.27a	5.49a	7.33a	11.29a	2.72a	4.16a	7.31a	9.83a	15.51a	1.63a*	2.35a	3.50a	4.68a	7.17a
9	12	2.38a	3.36a	5.57a	7.41a	11.36a	2.80a	4.23a	7.31a	9.79a	15.39a	1.69a*	2.40a	3.55a	4.73a	7.21a
	16	2.32a	3.30a	5.52a	7.36a	11.31a	2.74a	4.16a	7.25a	9.73a	15.33a	1.65a*	2.37a	3.52a	4.70a	7.19a
	24	2.20a	3.19a	5.42a	7.26a	11.22a	2.62a	4.03a	7.12a	9.61a	15.20a	1.58a*	2.30a	3.47a	4.65a	7.14a
10	12	2.33a	3.31a	5.53a	7.37a	11.32a	2.73a	4.13a	7.14a	9.58a	15.07a	1.66a*	2.38a	3.53a	4.71a	7.20a
	16	2.25a	3.24a	5.46a	7.30a	11.26a	2.65a	4.05a	7.05a	9.50a	14.99a	1.62a*	2.34a	3.49a	4.68a	7.16a
	24	2.10a	3.11a	5.33a	7.17a	11.13a	2.50a	3.88a	6.89a	9.34a	14.83a	1.53a*	2.26a	3.43a	4.61a	7.10a
12	12	2.17a	3.15a	5.35a	7.25a	11.20a	2.55a	3.88a	6.67a	9.00a	14.21a	1.60a*	2.32a	3.48a	4.66a	7.15a
	16	2.06a	3.05a	5.25a	7.15a	11.10a	2.44a	3.76a	6.55a	8.89a	14.09a	1.54a*	2.26a	3.43a	4.61a	7.10a
	24	1.85a	2.85a	5.05a	6.95a	10.89a	2.22a	3.52a	6.31a	8.66a	13.85a	1.41a*	2.14a	3.33a	4.52a	7.01a
14	12	1.95a	2.91a	4.93a	6.77a	10.96a	2.32a	3.56a	6.07a	8.26a	13.08a	1.53a*	2.25a	3.42a	4.60a	7.09a
	16	1.81a	2.78a	4.80a	6.63a	10.80a	2.17a	3.40a	5.91a	8.10a	12.91a	1.44a*	2.16a	3.35a	4.53a	7.03a
	24	1.54a	2.51a	4.53a	6.35a	10.49a	1.89a	3.09a	5.59a	7.79a	12.58a	1.27a*	2.00a	3.21a	4.40a	6.90a
16	12	1.71a	2.62a	4.41a	6.10a	9.89a	2.05a	3.18a	5.38a	7.38a	11.74a	1.44a*	2.16a	3.34a	4.53a	7.02a
	16	1.53a	2.45a	4.24a	5.91a	9.68a	1.87a	2.98a	5.18a	7.17a	11.52a	1.32a*	2.05a	3.25a	4.44a	6.93a
	24	1.20b	2.12a	3.91a	5.57a	9.28a	1.52a	2.61a	4.79a	6.79a	11.09a	1.10a*	1.83a	3.06a	4.26a	6.75a

Combined Axial & Lateral Load Tables

5 psf Lateral Load (Interior Walls Only)											
Wall Height (ft)	Spacing o.c. (in)	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	2.39 a*	3.35 a	5.43 a	7.25 a	11.26 a	2.97 a*	4.47 a	7.74 a	10.29 a	15.98 a
	16	2.36 a*	3.32 a	5.40 a	7.22 a	11.24 a	2.93 a*	4.44 a	7.71 a	10.25 a	15.95 a
	24	2.29 a*	3.26 a	5.35 a	7.16 a	11.18 a	2.86 a*	4.36 a	7.64 a	10.19 a	15.89 a
9	12	2.37 a*	3.33 a	5.41 a	7.22 a	11.24 a	2.94 a*	4.44 a	7.71 a	10.26 a	15.95 a
	16	2.32 a*	3.29 a	5.37 a	7.19 a	11.21 a	2.89 a*	4.39 a	7.67 a	10.21 a	15.91 a
	24	2.24 a*	3.21 a	5.30 a	7.12 a	11.14 a	2.80 a*	4.30 a	7.57 a	10.13 a	15.83 a
10	12	2.33 a*	3.30 a	5.38 a	7.20 a	11.21 a	2.90 a*	4.41 a	7.68 a	10.22 a	15.92 a
	16	2.28 a*	3.25 a	5.34 a	7.15 a	11.17 a	2.85 a*	4.35 a	7.62 a	10.17 a	15.87 a
	24	2.18 a*	3.15 a	5.24 a	7.06 a	11.08 a	2.73 a*	4.23 a	7.50 a	10.06 a	15.77 a
12	12	2.26 a*	3.22 a	5.31 a	7.13 a	11.15 a	2.82 a*	4.32 a	7.59 a	10.14 a	15.84 a
	16	2.18 a*	3.15 a	5.24 a	7.06 a	11.08 a	2.74 a*	4.23 a	7.50 a	10.06 a	15.76 a
	24	2.03 a*	3.00 a	5.11 a	6.93 a	10.95 a	2.57 a*	4.06 a	7.32 a	9.90 a	15.61 a
14	12	2.17 a*	3.13 a	5.22 a	7.04 a	11.06 a	2.69 a*	4.16 a	7.36 a	9.96 a	15.73 a
	16	2.06 a*	3.03 a	5.13 a	6.95 a	10.96 a	2.58 a*	4.04 a	7.24 a	9.84 a	15.61 a
	24	1.85 a*	2.83 a	4.94 a	6.76 a	10.77 a	2.35 a*	3.80 a	6.99 a	9.61 a	15.38 a
16	12	2.05 a*	3.02 a	5.11 a	6.93 a	10.94 a	2.52 a*	3.93 a	6.95 a	9.46 a	15.15 a
	16	1.92 a*	2.89 a	4.98 a	6.80 a	10.81 a	2.37 a*	3.77 a	6.78 a	9.30 a	15.00 a
	24	1.64 a*	2.62 a	4.72 a	6.54 a	10.54 a	2.09 a*	3.46 a	6.46 a	9.00 a	14.68 a

Combined Axial & Lateral Load Tables

15 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	350S162-(mils)					362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	1.37a	2.10a	3.55a	4.66a	6.98a	1.09a	1.72a	2.95a	3.98a	1.44a	2.20a	3.74a	4.96a	7.41a
	16	1.16a	1.89a	3.36a	4.46a	6.76a	0.91a	1.53a	2.77a	3.79a	1.23a	1.99a	3.55a	4.76a	7.19a
	24	0.78a	1.49a	2.99a	4.08a	6.34a	0.56b	1.16a	2.43a	3.44a	0.85a	1.59a	3.17a	4.38a	6.76a
9	12	1.13a	1.82a	3.14a	4.16a	6.27a	0.90a	1.49a	2.64a	3.59a	1.21a	1.93a	3.35a	4.47a	6.70a
	16	0.90a	1.57a	2.91a	3.92a	6.00a	0.68a	1.26a	2.43a	3.37a	0.97a	1.67a	3.12a	4.23a	6.43a
	24	0.46c	1.11b	2.48a	3.48a	5.50a	0.28c	0.83b	2.03a	2.94a	0.53c	1.21a	2.68a	3.77a	5.92a
10	12	0.90a	1.53a	2.71a	3.63a	5.51a	0.70b	1.25a	2.31a	3.16a	0.97a	1.64a	2.93a	3.94a	5.95a
	16	0.64c	1.25a	2.45a	3.37a	5.21a	0.46c	0.99b	2.07a	2.91a	0.70b	1.36a	2.67a	3.66a	5.64a
	24	0.17d	0.74c	1.99b	2.88a	4.65a	0.02e	0.51d	1.62c	2.44b	0.23d	0.84c	2.18b	3.15a	5.06a
12	12	0.47d	0.98c	1.90b	2.62a	4.03a	0.33d	0.78c	1.63b	2.30a	0.53d	1.08b	2.10a	2.88a	4.43a
	16	0.18e	0.67d	1.62c	2.33b	3.70a	0.06e	0.48d	1.36c	2.02b	0.24e	0.76d	1.80c	2.58b	4.08a
	24		0.13e	1.13e	1.81d	3.11c			0.89e	1.51d		0.20e	1.29d	2.03d	3.46b
14	12	0.13e	0.53e	1.27d	1.83c	2.89a	0.03e	0.38e	1.08d	1.60c	0.18e	0.61d	1.42d	2.03c	3.19a
	16	---	0.22e	1.00e	1.54d	2.56c	---	0.08e	0.82e	1.31d	---	0.29e	1.13e	1.73d	2.85c
	24	---	---	0.53f	1.04e	1.99d	---	---	0.35f	0.82e	---	---	0.64f	1.20e	2.24d
16	12	---	0.20f	0.82e	1.25d	2.06c	---	0.09f	0.68e	1.07e	---	0.26e	0.93e	1.41d	2.29c
	16	---	---	0.57f	0.98e	1.75d	---	---	0.42f	0.80e	---	---	0.66f	1.12e	1.96d
	24	---	---	0.13f	0.51f	1.21e	---	---	---	0.34f	---	---	0.19f	0.62f	1.39e

15 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	362S200-(mils)					400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	1.77a	2.79a	4.71a	6.22a	9.07a	1.24a	1.92a	3.32a	4.60a	1.62a	2.45a	4.22a	5.77a	8.64a
	16	1.55a	2.56a	4.49a	6.00a	8.84a	1.06a	1.74a	3.14a	4.42a	1.42a	2.25a	4.03a	5.57a	8.42a
	24	1.13a	2.13a	4.06a	5.58a	8.40a	0.72a	1.38a	2.81a	4.06a	1.05a	1.86a	3.67a	5.18a	7.99a
9	12	1.51a	2.47a	4.21a	5.60a	8.22a	1.05a	1.71a	3.04a	4.30a	1.40a	2.20a	3.87a	5.33a	7.99a
	16	1.25a	2.19a	3.94a	5.34a	7.94a	0.84a	1.49a	2.83a	4.07a	1.17a	1.95a	3.64a	5.08a	7.71a
	24	0.76b	1.68a	3.44a	4.84a	7.41a	0.44b	1.06a	2.43a	3.63a	0.73b	1.49a	3.20a	4.60a	7.19a
10	12	1.25a	2.13a	3.69a	4.95a	7.32a	0.86a	1.49a	2.74a	3.89a	1.17a	1.93a	3.48a	4.83a	7.26a
	16	0.95a	1.82a	3.38a	4.64a	7.00a	0.62b	1.22a	2.49a	3.62a	0.90a	1.64a	3.21a	4.54a	6.93a
	24	0.42c	1.25b	2.83a	4.09a	6.40a	0.17d	0.74c	2.03b	3.11a	0.41c	1.12b	2.70a	3.99a	6.33a
12	12	0.74c	1.46a	2.66a	3.66a	5.52a	0.48c	1.01b	2.08a	2.99a	0.72b	1.37a	2.65a	3.73a	5.69a
	16	0.41d	1.11c	2.32b	3.32a	5.16a	0.19d	0.70c	1.78b	2.67a	0.41d	1.03c	2.33b	3.38a	5.30a
	24		0.49d	1.73d	2.72c	4.49a	---	0.14e	1.26d	2.09c	---	0.43d	1.75d	2.76c	4.60a
14	12	0.32e	0.90d	1.82c	2.61b	4.05a	0.15e	0.58d	1.46c	2.15b	0.33d	0.86c	1.89c	2.70a	4.21a
	16	---	0.54e	1.49d	2.28c	3.68b	---	0.25e	1.15d	1.82d	0.01e	0.50d	1.56d	2.35c	3.81a
	24	---	---	0.92e	1.69e	3.03d	---	---	0.62e	1.24e	---	---	0.98e	1.73d	3.11c
16	12	0.01f	0.46e	1.22d	1.85d	2.97b	---	0.23e	0.97e	1.49d	0.03e	0.44e	1.30d	1.92c	3.08b
	16	---	0.12f	0.91e	1.53e	2.61d	---	---	0.67e	1.17e	---	0.09e	0.97e	1.58d	2.70c
	24	---	---	0.38f	0.98f	1.99e	---	---	0.16f	0.62f	---	---	0.42f	0.98e	2.03e

Combined Axial & Lateral Load Tables

15 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		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
8	12	1.97 a	3.10 a	5.32 a	7.19 a	10.57 a	2.08 a	3.09 a	5.36 a	7.19 a	11.07 a	1.54 a	2.28 a	3.62 a	4.87 a	7.40 a
	16	1.76 a	2.88 a	5.10 a	6.97 a	10.34 a	1.93 a	2.95 a	5.22 a	7.06 a	10.94 a	1.42 a	2.17 a	3.53 a	4.77 a	7.32 a
	24	1.35 a	2.46 a	4.68 a	6.55 a	9.90 a	1.64 a	2.68 a	4.96 a	6.81 a	10.68 a	1.19 a	1.95 a	3.34 a	4.59 a	7.16 a
9	12	1.73 a	2.80 a	4.86 a	6.63 a	9.77 a	1.94 a	2.94 a	5.20 a	7.07 a	10.94 a	1.44 a	2.18 a	3.54 a	4.78 a	7.33 a
	16	1.47 a	2.53 a	4.59 a	6.36 a	9.49 a	1.75 a	2.77 a	5.03 a	6.90 a	10.77 a	1.29 a	2.04 a	3.41 a	4.66 a	7.22 a
	24	0.99 a	2.03 a	4.09 a	5.84 a	8.94 a	1.38 a	2.42 a	4.69 a	6.56 a	10.43 a	1.01 a	1.76 a	3.17 a	4.42 a	7.02 a
10	12	1.47 a	2.48 a	4.36 a	6.01 a	8.89 a	1.77 a	2.77 a	4.97 a	6.90 a	10.78 a	1.33 a	2.07 a	3.44 a	4.68 a	7.24 a
	16	1.18 a	2.17 a	4.05 a	5.69 a	8.55 a	1.54 a	2.56 a	4.76 a	6.69 a	10.56 a	1.15 a	1.90 a	3.29 a	4.53 a	7.11 a
	24	0.64 b	1.59 a	3.47 a	5.10 a	7.92 a	1.10 a	2.14 a	4.34 a	6.26 a	10.12 a	0.80 a	1.55 a	2.98 a	4.23 a	6.85 a
12	12	0.96 b	1.81 a	3.33 a	4.69 a	7.04 a	1.39 a	2.36 a	4.40 a	6.22 a	10.30 a	1.07 a	1.81 a	3.20 a	4.44 a	7.02 a
	16	0.61 c	1.44 b	2.96 a	4.31 a	6.63 a	1.08 a	2.07 a	4.10 a	5.91 a	9.96 a	0.82 a	1.56 a	2.97 a	4.21 a	6.82 a
	24		0.78 d	2.31 c	3.62 b	5.88 a	0.52 b	1.51 a	3.54 a	5.32 a	9.29 a	0.35 b	1.08 a	2.54 a	3.78 a	6.43 a
14	12	0.50 d	1.21 c	2.39 b	3.44 a	5.29 a	0.97 a	1.90 a	3.71 a	5.36 a	9.01 a	0.78 a	1.50 a	2.90 a	4.12 a	6.72 a
	16	0.14 e	0.81 d	2.02 c	3.05 b	4.86 a	0.61 c	1.53 a	3.34 a	4.97 a	8.55 a	0.46 b	1.17 a	2.59 a	3.81 a	6.43 a
	24	---	0.13 e	1.36 e	2.36 d	4.11 c	---	0.86 c	2.66 b	4.24 a	7.72 a	---	0.57 c	2.02 b	3.23 a	5.88 a
16	12	0.14 e	0.71 d	1.67 d	2.48 c	3.93 a	0.58 c	1.41 b	2.98 a	4.42 a	7.55 a	0.46 c	1.16 a	2.53 a	3.73 a	6.32 a
	16	---	0.32 e	1.30 e	2.10 d	3.52 c	0.18 d	1.01 c	2.57 b	3.97 a	7.03 a	0.09 d	0.76 c	2.15 b	3.33 a	5.94 a
	24	---	---	0.68 f	1.45 e	2.79 d	---	0.28 e	1.84 d	3.18 c	6.11 b	---	0.05 d	1.47 d	2.61 c	5.22 a

15 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		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
8	12	2.14 a	3.14 a	5.37 a	7.22 a	11.18 a	2.57 a	4.01 a	7.16 a	9.69 a	15.37 a	1.55 a*	2.27 a	3.44 a	4.62 a	7.12 a
	16	2.00 a	3.02 a	5.25 a	7.10 a	11.06 a	2.43 a	3.86 a	7.01 a	9.55 a	15.23 a	1.46 a*	2.19 a	3.38 a	4.56 a	7.06 a
	24	1.73 a	2.77 a	5.02 a	6.88 a	10.84 a	2.15 a	3.56 a	6.71 a	9.27 a	14.95 a	1.30 a*	2.03 a	3.25 a	4.44 a	6.94 a
9	12	2.02 a	3.03 a	5.26 a	7.11 a	11.07 a	2.43 a	3.84 a	6.92 a	9.43 a	15.02 a	1.48 a*	2.20 a	3.39 a	4.57 a	7.07 a
	16	1.85 a	2.87 a	5.11 a	6.96 a	10.92 a	2.26 a	3.65 a	6.73 a	9.25 a	14.84 a	1.37 a*	2.10 a	3.31 a	4.50 a	6.99 a
	24	1.51 a	2.56 a	4.81 a	6.67 a	10.63 a	1.90 a	3.27 a	6.35 a	8.89 a	14.48 a	1.17 a*	1.91 a	3.14 a	4.34 a	6.85 a
10	12	1.89 a	2.91 a	5.14 a	6.98 a	10.94 a	2.28 a	3.65 a	6.65 a	9.12 a	14.60 a	1.40 a*	2.13 a	3.33 a	4.51 a	7.01 a
	16	1.67 a	2.71 a	4.94 a	6.80 a	10.75 a	2.06 a	3.41 a	6.41 a	8.89 a	14.37 a	1.27 a*	2.01 a	3.23 a	4.42 a	6.92 a
	24	1.26 a	2.32 a	4.57 a	6.43 a	10.38 a	1.63 a	2.96 a	5.94 a	8.45 a	13.92 a	1.02 a*	1.76 a	3.03 a	4.23 a	6.74 a
12	12	1.54 a	2.56 a	4.76 a	6.66 a	10.60 a	1.91 a	3.19 a	5.96 a	8.33 a	13.50 a	1.22 a*	1.96 a	3.18 a	4.37 a	6.88 a
	16	1.25 a	2.28 a	4.48 a	6.37 a	10.30 a	1.60 a	2.86 a	5.63 a	8.00 a	13.16 a	1.04 a*	1.78 a	3.03 a	4.23 a	6.74 a
	24	0.70 a	1.75 a	3.94 a	5.82 a	9.74 a	1.03 a	2.24 a	4.98 a	7.37 a	12.50 a	0.68 a*	1.43 a	2.74 a	3.95 a	6.47 a
14	12	1.15 a	2.13 a	4.15 a	5.95 a	10.05 a	1.49 a	2.65 a	5.14 a	7.34 a	12.10 a	1.01 a*	1.75 a	3.00 a	4.20 a	6.71 a
	16	0.79 a	1.78 a	3.79 a	5.58 a	9.63 a	1.11 a	2.24 a	4.71 a	6.92 a	11.64 a	0.77 a*	1.51 a	2.80 a	4.00 a	6.52 a
	24	0.14 c	1.12 b	3.11 a	4.87 a	8.83 a	0.42 c	1.48 a	3.92 a	6.13 a	10.78 a	0.29 a*	1.04 a	2.41 a	3.62 a	6.14 a
16	12	0.75 b	1.67 a	3.45 a	5.08 a	8.73 a	1.05 a	2.09 a	4.26 a	6.25 a	10.50 a	0.77 a*	1.51 a	2.79 a	3.99 a	6.49 a
	16	0.35 c	1.26 b	3.03 a	4.64 a	8.22 a	0.62 c	1.62 a	3.76 a	5.75 a	9.94 a	0.46 a*	1.20 a	2.53 a	3.73 a	6.24 a
	24	---	0.51 d	2.28 c	3.82 b	7.28 a	---	0.77 c	2.88 b	4.85 a	8.92 a	---	0.61 a	2.02 a	3.22 a	5.74 a

Combined Axial & Lateral Load Tables

15 psf Lateral Load											
Wall Height (ft)	Spacing o.c. (in)	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	2.20 a*	3.17 a	5.26 a	7.08 a	11.10 a	2.75 a*	4.25 a	7.53 a	10.09 a	15.80 a
	16	2.10 a*	3.07 a	5.18 a	7.00 a	11.02 a	2.65 a*	4.14 a	7.42 a	9.99 a	15.70 a
	24	1.90 a*	2.89 a	5.01 a	6.84 a	10.86 a	2.44 a*	3.93 a	7.21 a	9.80 a	15.52 a
9	12	2.12 a*	3.09 a	5.19 a	7.01 a	11.03 a	2.67 a*	4.16 a	7.44 a	10.00 a	15.71 a
	16	1.99 a*	2.97 a	5.08 a	6.91 a	10.93 a	2.53 a*	4.02 a	7.30 a	9.88 a	15.59 a
	24	1.75 a*	2.73 a	4.87 a	6.69 a	10.72 a	2.27 a*	3.74 a	7.02 a	9.63 a	15.35 a
10	12	2.02 a*	3.00 a	5.11 a	6.93 a	10.95 a	2.57 a*	4.05 a	7.33 a	9.91 a	15.62 a
	16	1.87 a*	2.85 a	4.97 a	6.80 a	10.82 a	2.40 a*	3.88 a	7.15 a	9.75 a	15.46 a
	24	1.57 a*	2.56 a	4.70 a	6.53 a	10.56 a	2.07 a*	3.54 a	6.81 a	9.43 a	15.16 a
12	12	1.81 a*	2.79 a	4.91 a	6.73 a	10.75 a	2.33 a*	3.80 a	7.06 a	9.66 a	15.37 a
	16	1.59 a*	2.57 a	4.71 a	6.53 a	10.55 a	2.09 a*	3.55 a	6.81 a	9.42 a	15.14 a
	24	1.16 a*	2.15 a	4.31 a	6.15 a	10.17 a	1.63 a*	3.05 a	6.30 a	8.95 a	14.68 a
14	12	1.55 a*	2.53 a	4.65 a	6.48 a	10.49 a	2.03 a*	3.45 a	6.63 a	9.28 a	15.04 a
	16	1.25 a*	2.24 a	4.38 a	6.20 a	10.21 a	1.71 a*	3.11 a	6.28 a	8.94 a	14.71 a
	24	0.69 a*	1.68 a	3.84 a	5.67 a	9.66 a	1.10 a*	2.46 a	5.59 a	8.29 a	14.05 a
16	12	1.25 a*	2.23 a	4.35 a	6.16 a	10.15 a	1.68 a*	3.02 a	6.00 a	8.55 a	14.23 a
	16	0.88 a*	1.86 a	3.98 a	5.80 a	9.77 a	1.28 a*	2.59 a	5.55 a	8.13 a	13.78 a
	24	0.19 b*	1.15 a	3.29 a	5.09 a	9.04 a	0.54 a*	1.79 a	4.71 a	7.30 a	12.92 a

Combined Axial & Lateral Load Tables

20 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	350S162-(mils)					362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	1.16 a	1.89 a	3.36 a	4.46 a	6.76 a	0.91 a	1.53 a	2.77 a	3.79 a	1.23 a	1.99 a	3.55 a	4.76 a	7.19 a
	16	0.90 a	1.62 a	3.11 a	4.21 a	6.48 a	0.67 a	1.28 a	2.54 a	3.56 a	0.98 a	1.72 a	3.30 a	4.50 a	6.90 a
	24	0.43 c	1.11 b	2.64 a	3.72 a	5.93 a	0.24 c	0.81 b	2.11 a	3.10 a	0.50 b	1.21 a	2.82 a	4.01 a	6.35 a
9	12	0.90 a	1.57 a	2.91 a	3.92 a	6.00 a	0.68 a	1.26 a	2.43 a	3.37 a	0.97 a	1.67 a	3.12 a	4.23 a	6.43 a
	16	0.60 c	1.26 a	2.62 a	3.62 a	5.66 a	0.41 c	0.97 b	2.16 a	3.08 a	0.67 b	1.36 a	2.82 a	3.92 a	6.09 a
	24	0.07 d	0.69 c	2.08 b	3.06 a	5.02 a	---	0.44 d	1.66 c	2.55 b	0.13 d	0.78 c	2.27 b	3.34 a	5.44 a
10	12	0.64 c	1.25 a	2.45 a	3.37 a	5.21 a	0.46 c	0.99 b	2.07 a	2.91 a	0.70 b	1.36 a	2.67 a	3.66 a	5.64 a
	16	0.32 d	0.91 c	2.14 b	3.03 a	4.83 a	0.16 d	0.66 c	1.77 b	2.59 a	0.38 d	1.01 c	2.34 a	3.32 a	5.25 a
	24	---	0.29 d	1.56 d	2.43 c	4.13 a	---	0.09 e	1.22 d	2.01 c	---	0.38 d	1.74 c	2.69 b	4.53 a
12	12	0.18 e	0.67 d	1.62 c	2.33 b	3.70 a	0.06 e	0.48 d	1.36 c	2.02 b	0.24 e	0.76 d	1.80 c	2.58 b	4.08 a
	16	---	0.30 e	1.29 d	1.97 c	3.30 b	---	0.13 e	1.04 d	1.67 d	---	0.38 e	1.45 d	2.20 c	3.66 b
	24	---	---	0.71 e	1.35 e	2.58 d	---	---	0.48 e	1.06 e	---	---	0.84 e	1.55 e	2.90 d
14	12	---	0.22 e	1.00 e	1.54 d	2.56 c	---	0.08 e	0.82 e	1.31 d	---	0.29 e	1.13 e	1.73 d	2.85 c
	16	---	---	0.68 e	1.20 e	2.17 d	---	---	0.50 f	0.97 e	---	---	0.79 e	1.36 e	2.43 d
	24	---	---	0.13 f	0.60 f	1.49 e	---	---	---	0.39 f	---	---	0.20 f	0.73 f	1.71 e
16	12	---	---	0.57 f	0.98 e	1.75 d	---	---	0.42 f	0.80 e	---	---	0.66 f	1.12 e	1.96 d
	16	---	---	0.26 f	0.66 f	1.38 e	---	---	0.13 f	0.49 f	---	---	0.34 f	0.77 f	1.57 e
	24	---	---	---	0.11 f	0.75 f	---	---	---	---	---	---	---	0.19 f	0.90 f

20 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	362S200-(mils)					400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	1.55 a	2.56 a	4.49 a	6.00 a	8.84 a	1.06 a	1.74 a	3.14 a	4.42 a	1.42 a	2.25 a	4.03 a	5.57 a	8.42 a
	16	1.27 a	2.27 a	4.20 a	5.72 a	8.54 a	0.83 a	1.50 a	2.92 a	4.18 a	1.17 a	1.99 a	3.79 a	5.31 a	8.13 a
	24	0.74 b	1.71 a	3.65 a	5.18 a	7.97 a	0.40 b	1.04 a	2.50 a	3.72 a	0.70 a	1.50 a	3.32 a	4.81 a	7.58 a
9	12	1.25 a	2.19 a	3.94 a	5.34 a	7.94 a	0.84 a	1.49 a	2.83 a	4.07 a	1.17 a	1.95 a	3.64 a	5.08 a	7.71 a
	16	0.92 a	1.85 a	3.60 a	5.00 a	7.58 a	0.57 b	1.20 a	2.56 a	3.77 a	0.87 a	1.64 a	3.34 a	4.76 a	7.36 a
	24	0.32 c	1.21 b	2.97 a	4.37 a	6.91 a	0.07 d	0.67 c	2.06 a	3.21 a	0.33 c	1.07 b	2.78 a	4.16 a	6.70 a
10	12	0.95 a	1.82 a	3.38 a	4.64 a	7.00 a	0.62 b	1.22 a	2.49 a	3.62 a	0.90 a	1.64 a	3.21 a	4.54 a	6.93 a
	16	0.59 c	1.43 b	3.00 a	4.27 a	6.59 a	0.31 c	0.89 b	2.18 a	3.28 a	0.57 c	1.29 a	2.87 a	4.17 a	6.52 a
	24	---	0.74 d	2.32 c	3.58 b	5.84 a	---	0.30 d	1.61 c	2.65 b	---	0.64 c	2.24 b	3.48 a	5.76 a
12	12	0.41 d	1.11 c	2.32 b	3.32 a	5.16 a	0.19 d	0.70 c	1.78 b	2.67 a	0.41 d	1.03 c	2.33 b	3.38 a	5.30 a
	16	0.01 e	0.69 d	1.92 c	2.91 b	4.71 a	---	0.32 d	1.42 d	2.27 c	0.04 e	0.62 d	1.94 c	2.96 b	4.82 a
	24	---	---	1.21 e	2.19 d	3.90 c	---	---	0.79 e	1.58 d	---	---	1.25 e	2.20 d	3.96 c
14	12	---	0.54 e	1.49 d	2.28 c	3.68 b	---	0.25 e	1.15 d	1.82 d	0.01 e	0.50 d	1.56 d	2.35 c	3.81 a
	16	---	0.12 e	1.10 e	1.88 d	3.23 c	---	---	0.79 e	1.42 e	---	0.08 e	1.16 e	1.92 d	3.33 c
	24	---	---	0.43 f	1.18 e	2.45 e	---	---	0.15 f	0.73 f	---	---	0.48 f	1.18 e	2.49 d
16	12	---	0.12 f	0.91 e	1.53 e	2.61 d	---	---	0.67 e	1.17 e	---	0.09 e	0.97 e	1.58 d	2.70 c
	16	---	---	0.54 f	1.15 e	2.19 e	---	---	0.32 f	0.80 f	---	---	0.59 f	1.17 e	2.24 d
	24	---	---	---	0.50 f	1.46 f	---	---	---	0.15 f	---	---	---	0.48 f	1.45 e

Combined Axial & Lateral Load Tables

20 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		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
8	12	1.76a	2.88a	5.10a	6.97a	10.34a	1.93a	2.95a	5.22a	7.06a	10.94a	1.42a	2.17a	3.53a	4.77a	7.32a
	16	1.48a	2.60a	4.82a	6.69a	10.05a	1.74a	2.77a	5.05a	6.89a	10.77a	1.27a	2.02a	3.40a	4.65a	7.21a
	24	0.97a	2.06a	4.28ab	6.14a	9.48a	1.35a	2.41a	4.70a	6.55a	10.42a	0.97a	1.73a	3.15a	4.40a	7.00a
9	12	1.47a	2.53a	4.59a	6.36a	9.49a	1.75a	2.77a	5.03a	6.90a	10.77a	1.29a	2.04a	3.41a	4.66a	7.22a
	16	1.15a	2.19a	4.25a	6.01a	9.12a	1.50a	2.54a	4.80a	6.67a	10.54a	1.10a	1.85a	3.25a	4.50a	7.09a
	24	0.55b	1.56a	3.61a	5.36a	8.43a	1.03a	2.09a	4.36a	6.23a	10.09a	0.73a	1.48a	2.93a	4.19a	6.81a
10	12	1.18a	2.17a	4.05a	5.69a	8.55a	1.54a	2.56a	4.76a	6.69a	10.56a	1.15a	1.90a	3.29a	4.53a	7.11a
	16	0.81b	1.78a	3.66a	5.29a	8.13a	1.24a	2.28a	4.48a	6.40a	10.26a	0.92a	1.67a	3.08a	4.33a	6.94a
	24	0.15d	1.07c	2.94a	4.54a	7.33a	0.69a	1.74a	3.94a	5.85a	9.70a	0.47a	1.22a	2.69a	3.94a	6.59a
12	12	0.61c	1.44b	2.96a	4.31a	6.63a	1.08a	2.07a	4.10a	5.91a	9.96a	0.82a	1.56a	2.97a	4.21a	6.82a
	16	0.20d	0.99c	2.52b	3.84a	6.12a	0.70b	1.69a	3.72a	5.51a	9.51a	0.50a	1.24a	2.68a	3.92a	6.56a
	24	---	0.20e	1.73d	3.01c	5.21b	---	0.99b	3.01a	4.77a	8.67a	---	0.63b	2.13a	3.36a	6.05a
14	12	0.14e	0.81d	2.02c	3.05b	4.86a	0.61c	1.53a	3.34a	4.97a	8.55a	0.46b	1.17a	2.59a	3.81a	6.43a
	16	---	0.35e	1.57d	2.58c	4.35b	0.17d	1.08c	2.88b	4.48a	7.99a	0.07d	0.76b	2.21a	3.42a	6.06a
	24	---	---	0.79e	1.76e	3.44d	---	0.26d	2.05d	3.59c	6.96a	---	0.01d	1.50c	2.68b	5.36a
16	12	---	0.32e	1.30e	2.10d	3.52c	0.18d	1.01c	2.57b	3.97a	7.03a	0.09d	0.76c	2.15b	3.33a	5.94a
	16	---	---	0.87e	1.66e	3.02d	---	0.51d	2.07d	3.43c	6.40a	---	0.28d	1.69c	2.84b	5.45a
	24	---	---	0.14f	0.89f	2.17e	---	---	1.19e	2.48d	5.29c	---	---	0.85e	1.95d	4.57c

20 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		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
8	12	2.00a	3.02a	5.25a	7.10a	11.06a	2.43a	3.86a	7.01a	9.55a	15.23a	1.46a*	2.19a	3.38a	4.56a	7.06a
	16	1.82a	2.85a	5.10a	6.95a	10.92a	2.25a	3.66a	6.81a	9.36a	15.04a	1.35a*	2.09a	3.29a	4.48a	6.98a
	24	1.47a	2.53a	4.79a	6.65a	10.62a	1.88a	3.27a	6.42a	9.00a	14.67a	1.14a*	1.88a	3.12a	4.32a	6.83a
9	12	1.85a	2.87a	5.11a	6.96a	10.92a	2.26a	3.65a	6.73a	9.25a	14.84a	1.37a*	2.10a	3.31a	4.50a	6.99a
	16	1.62a	2.66a	4.91a	6.77a	10.73a	2.02a	3.40a	6.48a	9.01a	14.60a	1.24a*	1.97a	3.20a	4.39a	6.90a
	24	1.18a	2.25a	4.52a	6.38a	10.35a	1.56a	2.91a	5.98a	8.54a	14.12a	0.96a*	1.71a	2.98a	4.19a	6.70a
10	12	1.67a	2.71a	4.94a	6.80a	10.75a	2.06a	3.41a	6.41a	8.89a	14.37a	1.27a*	2.01a	3.23a	4.42a	6.92a
	16	1.40a	2.45a	4.69a	6.55a	10.50a	1.77a	3.11a	6.10a	8.59a	14.07a	1.10a*	1.84a	3.09a	4.29a	6.80a
	24	0.86a	1.94a	4.20a	6.06a	10.02a	1.22a	2.51a	5.49a	8.02a	13.47a	0.77a*	1.52a	2.83a	4.03a	6.55a
12	12	1.25a	2.28a	4.48a	6.37a	10.30a	1.60a	2.86a	5.63a	8.00a	13.16a	1.04a*	1.78a	3.03a	4.23a	6.74a
	16	0.88a	1.92a	4.11a	6.00a	9.92a	1.22a	2.44a	5.19a	7.58a	12.72a	0.80a*	1.55a	2.84a	4.04a	6.56a
	24	0.19c	1.24a	3.43a	5.30a	9.19a	0.50b	1.66a	4.37a	6.77a	11.86a	0.33a*	1.09a	2.46a	3.67a	6.20a
14	12	0.79a	1.78a	3.79a	5.58a	9.63a	1.11a	2.24a	4.71a	6.92a	11.64a	0.77a*	1.51a	2.80a	4.00a	6.52a
	16	0.35c	1.33b	3.33a	5.10a	9.09a	0.64b	1.73a	4.18a	6.38a	11.06a	0.45a*	1.19a	2.54a	3.74a	6.26a
	24	---	0.52d	2.50c	4.21a	8.09a	---	0.79c	3.19b	5.39a	9.97a	---	0.59a	2.02a	3.24a	5.77a
16	12	0.35c	1.26b	3.03a	4.64a	8.22a	0.62c	1.62a	3.76a	5.75a	9.94a	0.46a*	1.20a	2.53a	3.73a	6.24a
	16	---	0.75d	2.52c	4.08a	7.58a	0.10d	1.04c	3.16b	5.14a	9.25a	0.07b*	0.80a	2.18a	3.39a	5.90a
	24	---	---	1.60d	3.09c	6.44b	---	0.01d	2.09d	4.03c	8.01a	---	0.06c	1.53b	2.74a	5.25a

Combined Axial & Lateral Load Tables

20 psf Lateral Load											
Wall Height (ft)	Spacing o.c. (in)	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	2.10 a*	3.07 a	5.18 a	7.00 a	11.02 a	2.65 a*	4.14 a	7.42 a	9.99 a	15.70 a
	16	1.97 a*	2.95 a	5.07 a	6.89 a	10.91 a	2.51 a*	4.00 a	7.28 a	9.86 a	15.58 a
	24	1.71 a*	2.70 a	4.84 a	6.67 a	10.70 a	2.23 a*	3.71 a	6.99 a	9.60 a	15.33 a
9	12	1.99 a*	2.97 a	5.08 a	6.91 a	10.93 a	2.53 a*	4.02 a	7.30 a	9.88 a	15.59 a
	16	1.83 a*	2.81 a	4.94 a	6.77 a	10.79 a	2.36 a*	3.84 a	7.11 a	9.71 a	15.43 a
	24	1.50 a*	2.50 a	4.65 a	6.49 a	10.51 a	2.01 a*	3.47 a	6.75 a	9.38 a	15.11 a
10	12	1.87 a*	2.85 a	4.97 a	6.80 a	10.82 a	2.40 a*	3.88 a	7.15 a	9.75 a	15.46 a
	16	1.67 a*	2.65 a	4.79 a	6.62 a	10.65 a	2.18 a*	3.65 a	6.93 a	9.54 a	15.26 a
	24	1.27 a*	2.27 a	4.44 a	6.27 a	10.30 a	1.75 a*	3.20 a	6.47 a	9.12 a	14.86 a
12	12	1.59 a*	2.57 a	4.71 a	6.53 a	10.55 a	2.09 a*	3.55 a	6.81 a	9.42 a	15.14 a
	16	1.30 a*	2.29 a	4.44 a	6.27 a	10.29 a	1.78 a*	3.22 a	6.47 a	9.11 a	14.83 a
	24	0.74 a*	1.74 a	3.93 a	5.76 a	9.78 a	1.17 a*	2.57 a	5.81 a	8.49 a	14.23 a
14	12	1.25 a*	2.24 a	4.38 a	6.20 a	10.21 a	1.71 a*	3.11 a	6.28 a	8.94 a	14.71 a
	16	0.87 a*	1.86 a	4.02 a	5.84 a	9.84 a	1.30 a*	2.67 a	5.82 a	8.51 a	14.27 a
	24	0.15 b*	1.14 a	3.32 a	5.14 a	9.13 a	0.52 a*	1.83 a	4.94 a	7.66 a	13.41 a
16	12	0.88 a*	1.86 a	3.98 a	5.80 a	9.77 a	1.28 a*	2.59 a	5.55 a	8.13 a	13.78 a
	16	0.41 b*	1.38 a	3.52 a	5.32 a	9.28 a	0.78 a*	2.05 a	4.98 a	7.57 a	13.20 a
	24	---	0.49 b	2.63 a	4.42 a	8.34 a	---	1.03 a	3.91 a	6.52 a	12.09 a

Combined Axial & Lateral Load Tables

25 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	350S162-(mils)					362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	0.97a	1.68a	3.17a	4.27a	6.55a	0.73a	1.34a	2.60a	3.61a	1.04a	1.78a	3.36a	4.57a	6.97a
	16	0.66b	1.36a	2.87a	3.96a	6.20a	0.45b	1.04a	2.32a	3.32a	0.73a	1.46a	3.05a	4.25a	6.62a
	24	0.09d	0.76c	2.30b	3.38a	5.54a	---	0.49c	1.81b	2.78a	0.16c	0.86b	2.48a	3.66a	5.96a
9	12	0.67b	1.33a	2.69a	3.70a	5.74a	0.48c	1.04a	2.23a	3.15a	0.74b	1.44a	2.89a	3.99a	6.17a
	16	0.33d	0.96b	2.34a	3.34a	5.34a	0.16d	0.70c	1.90b	2.81a	0.39c	1.06b	2.54a	3.62a	5.76a
	24	---	0.29d	1.71c	2.68b	4.58a	---	0.07d	1.32d	2.18c	---	0.39d	1.89c	2.94b	4.99a
10	12	0.39d	0.99c	2.21a	3.12a	4.92a	0.23d	0.74c	1.84b	2.67a	0.46c	1.09b	2.42a	3.40a	5.34a
	16	0.02e	0.59d	1.84c	2.72b	4.47a	---	0.37d	1.49c	2.29b	0.08d	0.68d	2.03c	2.99a	4.88a
	24	---	---	1.17d	2.02d	3.66c	---	---	0.85e	1.61d	---	---	1.34d	2.26c	4.04b
12	12	---	0.39e	1.37d	2.06c	3.39b	---	0.21e	1.12d	1.75c	---	0.47d	1.54d	2.29c	3.76a
	16	---	---	0.99e	1.65d	2.93c	---	---	0.75e	1.36d	---	0.03e	1.13e	1.86d	3.27c
	24	---	---	0.32f	0.94e	2.11e	---	---	0.10f	0.66e	---	---	0.43f	1.11e	2.40d
14	12	---	---	0.76e	1.28e	2.26d	---	---	0.58e	1.06e	---	---	0.87e	1.45e	2.53d
	16	---	---	0.39f	0.89e	1.81e	---	---	0.22f	0.67f	---	---	0.49f	1.04e	2.06e
	24	---	---	---	0.21f	1.04f	---	---	---	0.01f	---	---	---	0.32f	1.24f
16	12	---	---	0.34f	0.73f	1.47e	---	---	0.20f	0.56f	---	---	0.41f	0.85f	1.67e
	16	---	---	---	0.37f	1.05f	---	---	---	0.20f	---	---	0.05f	0.47f	1.22f
	24	---	---	---	---	0.34f	---	---	---	---	---	---	---	---	0.47f

25 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	362S200-(mils)					400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	1.34a	2.34a	4.27a	5.79a	8.62a	0.89a	1.56a	2.98a	4.24a	1.23a	2.05a	3.85a	5.37a	8.20a
	16	1.00a	1.99a	3.92a	5.45a	8.26a	0.61a	1.27a	2.71a	3.95a	0.93a	1.74a	3.55a	5.06a	7.86a
	24	0.37c	1.33a	3.26a	4.79a	7.56a	0.10c	0.72b	2.19a	3.39a	0.37b	1.15a	2.98a	4.45a	7.19a
9	12	1.00a	1.93a	3.68a	5.08a	7.67a	0.64a	1.27a	2.63a	3.84a	0.94a	1.72a	3.41a	4.84a	7.45a
	16	0.61c	1.52a	3.28a	4.68a	7.24a	0.32c	0.93b	2.31a	3.49a	0.59b	1.35a	3.06a	4.45a	7.02a
	24	---	0.78c	2.54b	3.93a	6.43a	---	0.29d	1.70c	2.82b	---	0.66c	2.39b	3.73a	6.22a
10	12	0.68c	1.52a	3.10a	4.36a	6.69a	0.39c	0.97b	2.26a	3.36a	0.65b	1.38a	2.95a	4.26a	6.62a
	16	0.25d	1.07c	2.65b	3.91a	6.21a	0.03d	0.59c	1.89b	2.95a	0.26d	0.96b	2.54a	3.82a	6.13a
	24	---	0.27d	1.86d	3.10c	5.32a	---	---	1.22d	2.21c	---	0.20d	1.81c	3.01b	5.23a
12	12	0.11e	0.79d	2.01c	3.01b	4.82a	---	0.41d	1.51c	2.37b	0.13d	0.72d	2.03c	3.06b	4.94a
	16	---	0.30e	1.55d	2.53c	4.29b	---	---	1.09d	1.91d	---	0.25e	1.58d	2.56c	4.38b
	24	---	---	0.74e	1.70e	3.36d	---	---	0.37e	1.11e	---	---	0.78e	1.69e	3.39d
14	12	---	0.22e	1.20e	1.97d	3.34c	---	---	0.88e	1.51d	---	0.18e	1.26e	2.02d	3.45c
	16	---	---	0.75e	1.51e	2.83d	---	---	0.46f	1.06e	---	---	0.81e	1.54e	2.90d
	24	---	---	---	0.72f	1.94e	---	---	---	0.28f	---	---	0.03f	0.70f	1.94e
16	12	---	---	0.63f	1.24e	2.29d	---	---	0.40f	0.89e	---	---	0.69e	1.27e	2.35d
	16	---	---	0.22f	0.81f	1.81e	---	---	---	0.46f	---	---	0.26f	0.81f	1.83e
	24	---	---	---	0.08f	0.98f	---	---	---	---	---	---	---	0.02f	0.94f

Combined Axial & Lateral Load Tables

25 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		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
8	12	1.55 a	2.67 a	4.89 a	6.76 a	10.12 a	1.79 a	2.82 a	5.09 a	6.93 a	10.81 a	1.31 a	2.06 a	3.43 a	4.68 a	7.24 a
	16	1.22 a	2.32 a	4.55 a	6.41 a	9.76 a	1.54 a	2.59 a	4.87 a	6.72 a	10.59 a	1.12 a	1.87 a	3.27 a	4.53 a	7.11 a
	24	0.60 b	1.67 a	3.89 a	5.75 a	9.06 a	1.07 a	2.14 a	4.44 a	6.30 a	10.17 a	0.75 a	1.51 a	2.96 a	4.22 a	6.85 a
9	12	1.23 a	2.28 a	4.34 a	6.10 a	9.21 a	1.56 a	2.59 a	4.86 a	6.73 a	10.60 a	1.15 a	1.90 a	3.29 a	4.54 a	7.12 a
	16	0.84 a	1.87 a	3.92 a	5.68 a	8.77 a	1.26 a	2.31 a	4.58 a	6.45 a	10.32 a	0.91 a	1.67 a	3.09 a	4.34 a	6.95 a
	24	0.14 c	1.12 b	3.16 a	4.89 a	7.93 a	0.69 a	1.76 a	4.04 a	5.91 a	9.76 a	0.46 a	1.21 a	2.70 a	3.96 a	6.61 a
10	12	0.90 a	1.87 a	3.75 a	5.39 a	8.23 a	1.32 a	2.34 a	4.55 a	6.47 a	10.34 a	0.97 a	1.72 a	3.13 a	4.38 a	6.98 a
	16	0.47 c	1.41 b	3.29 a	4.91 a	7.72 a	0.96 a	2.00 a	4.21 a	6.13 a	9.98 a	0.69 a	1.44 a	2.89 a	4.14 a	6.76 a
	24	---	0.59 d	2.45 c	4.03 b	6.77 a	0.29 b	1.35 a	3.56 a	5.46 a	9.28 a	0.14 b	0.89 a	2.40 a	3.65 a	6.34 a
12	12	0.30 d	1.10 c	2.62 b	3.95 a	6.24 a	0.79 a	1.78 a	3.82 a	5.61 a	9.62 a	0.58 a	1.32 a	2.75 a	3.99 a	6.62 a
	16	---	0.58 d	2.11 c	3.41 b	5.65 a	0.34 c	1.33 a	3.36 a	5.13 a	9.08 a	0.20 b	0.93 a	2.40 a	3.64 a	6.30 a
	24	---	---	1.20 e	2.45 d	4.59 c	---	0.50 c	2.51 b	4.24 a	8.07 a	---	0.20 c	1.73 b	2.96 a	5.68 a
14	12	---	0.46 e	1.67 d	2.69 c	4.47 b	0.28 d	1.19 b	2.99 a	4.60 a	8.13 a	0.16 c	0.86 b	2.30 a	3.51 a	6.15 a
	16	---	---	1.16 e	2.15 d	3.88 c	---	0.66 d	2.45 c	4.02 b	7.46 a	---	0.38 c	1.84 b	3.04 a	5.71 a
	24	---	---	0.28 f	1.23 e	2.84 e	---	---	1.49 d	2.98 d	6.26 b	---	---	1.00 d	2.17 c	4.87 b
16	12	---	---	0.97 e	1.76 e	3.14 d	---	0.63 d	2.19 c	3.57 b	6.55 a	---	0.40 d	1.80 c	2.96 b	5.57 a
	16	---	---	0.49 f	1.26 e	2.57 e	---	0.06 e	1.61 d	2.94 d	5.82 b	---	---	1.25 d	2.38 c	5.00 b
	24	---	---	---	0.39 f	1.60 f	---	---	0.60 e	1.85 e	4.55 d	---	---	0.28 e	1.35 e	3.96 d

25 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		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
8	12	1.87 a	2.89 a	5.14 a	6.99 a	10.95 a	2.29 a	3.71 a	6.86 a	9.41 a	15.09 a	1.38 a*	2.11 a	3.31 a	4.50 a	7.00 a
	16	1.64 a	2.69 a	4.94 a	6.80 a	10.77 a	2.06 a	3.46 a	6.61 a	9.18 a	14.86 a	1.25 a*	1.98 a	3.21 a	4.40 a	6.91 a
	24	1.21 a	2.28 a	4.56 a	6.43 a	10.40 a	1.60 a	2.98 a	6.12 a	8.72 a	14.40 a	0.98 a*	1.72 a	3.00 a	4.20 a	6.72 a
9	12	1.68 a	2.71 a	4.96 a	6.82 a	10.78 a	2.08 a	3.46 a	6.54 a	9.07 a	14.66 a	1.27 a*	2.01 a	3.23 a	4.42 a	6.92 a
	16	1.40 a	2.45 a	4.71 a	6.57 a	10.54 a	1.79 a	3.15 a	6.23 a	8.78 a	14.36 a	1.10 a*	1.84 a	3.09 a	4.29 a	6.80 a
	24	0.86 a	1.95 a	4.22 a	6.09 a	10.06 a	1.23 a	2.55 a	5.62 a	8.19 a	13.77 a	0.76 a*	1.51 a	2.82 a	4.03 a	6.55 a
10	12	1.46 a	2.51 a	4.75 a	6.61 a	10.57 a	1.84 a	3.18 a	6.17 a	8.67 a	14.14 a	1.15 a*	1.88 a	3.13 a	4.32 a	6.83 a
	16	1.13 a	2.19 a	4.44 a	6.30 a	10.26 a	1.49 a	2.81 a	5.79 a	8.30 a	13.77 a	0.93 a*	1.68 a	2.96 a	4.16 a	6.68 a
	24	0.48 a	1.58 a	3.84 a	5.71 a	9.66 a	0.82 a	2.08 a	5.05 a	7.59 a	13.03 a	0.52 a*	1.28 a	2.63 a	3.84 a	6.37 a
12	12	0.97 a	2.01 a	4.20 a	6.09 a	10.02 a	1.31 a	2.55 a	5.30 a	7.68 a	12.83 a	0.86 a*	1.60 a	2.89 a	4.09 a	6.60 a
	16	0.53 b	1.58 a	3.77 a	5.64 a	9.55 a	0.85 a	2.04 a	4.78 a	7.17 a	12.29 a	0.56 a*	1.31 a	2.65 a	3.86 a	6.38 a
	24	---	0.76 b	2.94 a	4.79 a	8.66 a	---	1.10 b	3.79 a	6.20 a	11.25 a	---	0.75 a	2.17 a	3.40 a	5.94 a
14	12	0.45 c	1.44 a	3.44 a	5.21 a	9.22 a	0.76 b	1.86 a	4.31 a	6.51 a	11.20 a	0.53 a*	1.27 a	2.60 a	3.81 a	6.33 a
	16	---	0.91 c	2.90 b	4.65 a	8.58 a	0.21 c	1.25 b	3.67 a	5.87 a	10.50 a	0.14 a*	0.89 a	2.28 a	3.49 a	6.02 a
	24	---	---	1.92 d	3.60 c	7.39 a	---	0.15 d	2.52 c	4.70 b	9.21 a	---	0.16 b	1.65 a	2.87 a	5.41 a
16	12	---	0.87 c	2.64 b	4.22 a	7.74 a	0.23 d	1.18 c	3.31 a	5.29 a	9.42 a	0.17 b*	0.90 a	2.27 a	3.47 a	5.99 a
	16	---	0.29 d	2.04 d	3.57 c	6.99 a	---	0.50 d	2.61 c	4.57 b	8.61 a	---	0.43 b	1.85 a	3.06 a	5.58 a
	24	---	---	0.98 e	2.42 d	5.67 c	---	---	1.37 d	3.28 d	7.16 b	---	---	1.06 c	2.27 b	4.78 a

Combined Axial & Lateral Load Tables

25 psf Lateral Load											
Wall Height (ft)	Spacing o.c. (in)	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	2.00 a*	2.98 a	5.09 a	6.92 a	10.94 a	2.55 a*	4.03 a	7.31 a	9.89 a	15.61 a
	16	1.84 a*	2.82 a	4.95 a	6.78 a	10.81 a	2.37 a*	3.85 a	7.14 a	9.73 a	15.45 a
	24	1.52 a*	2.52 a	4.67 a	6.51 a	10.54 a	2.03 a*	3.49 a	6.78 a	9.41 a	15.14 a
9	12	1.87 a*	2.85 a	4.97 a	6.80 a	10.82 a	2.40 a*	3.88 a	7.16 a	9.75 a	15.47 a
	16	1.66 a*	2.65 a	4.79 a	6.62 a	10.65 a	2.18 a*	3.65 a	6.93 a	9.54 a	15.27 a
	24	1.26 a*	2.26 a	4.44 a	6.28 a	10.31 a	1.75 a*	3.20 a	6.48 a	9.13 a	14.87 a
10	12	1.72 a*	2.70 a	4.84 a	6.67 a	10.69 a	2.24 a*	3.71 a	6.98 a	9.59 a	15.31 a
	16	1.47 a*	2.46 a	4.61 a	6.45 a	10.47 a	1.97 a*	3.42 a	6.70 a	9.33 a	15.06 a
	24	0.97 a*	1.98 a	4.17 a	6.01 a	10.04 a	1.43 a*	2.86 a	6.13 a	8.81 a	14.56 a
12	12	1.37 a*	2.36 a	4.51 a	6.34 a	10.36 a	1.86 a*	3.30 a	6.55 a	9.19 a	14.91 a
	16	1.02 a*	2.01 a	4.18 a	6.02 a	10.04 a	1.48 a*	2.89 a	6.13 a	8.80 a	14.53 a
	24	0.33 a*	1.34 a	3.55 a	5.39 a	9.40 a	0.73 a*	2.10 a	5.32 a	8.04 a	13.78 a
14	12	0.97 a*	1.96 a	4.11 a	5.93 a	9.94 a	1.40 a*	2.78 a	5.93 a	8.61 a	14.38 a
	16	0.51 a*	1.49 a	3.66 a	5.49 a	9.48 a	0.91 a*	2.24 a	5.37 a	8.08 a	13.84 a
	24	---	0.62 a	2.82 a	4.64 a	8.60 a	---	1.22 a	4.30 a	7.05 a	12.79 a
16	12	0.53 a*	1.50 a	3.63 a	5.44 a	9.40 a	0.91 a*	2.18 a	5.12 a	7.71 a	13.34 a
	16	---	0.93 a	3.07 a	4.87 a	8.80 a	0.31 b*	1.53 a	4.44 a	7.04 a	12.64 a
	24	---	---	2.01 b	3.78 a	7.66 a	---	0.32 c	3.15 a	5.77 a	11.30 a

Combined Axial & Lateral Load Tables

30 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	350S162-(mils)					362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	0.78a	1.49a	2.99a	4.08a	6.34a	0.56b	1.16a	2.43a	3.44a	0.85a	1.59a	3.17a	4.38a	6.76a
	16	0.43c	1.11b	2.64a	3.72a	5.93a	0.24c	0.81b	2.11a	3.10a	0.50b	1.21a	2.82a	4.01a	6.35a
	24	---	0.42d	1.98c	3.05a	5.16a	---	0.18d	1.52c	2.47b	---	0.52c	2.16b	3.32a	5.58a
9	12	0.46c	1.11b	2.48a	3.48a	5.50a	0.28c	0.83b	2.03a	2.94a	0.53c	1.21a	2.68a	3.77a	5.92a
	16	0.07d	0.69c	2.08b	3.06a	5.02a	---	0.44d	1.66c	2.55b	0.13d	0.78c	2.27b	3.34a	5.44a
	24	---	---	1.37d	2.31c	4.16b	---	---	0.99d	1.84d	---	0.02d	1.54d	2.57c	4.56a
10	12	0.17d	0.74c	1.99b	2.88a	4.65a	0.02e	0.51d	1.62c	2.44b	0.23d	0.84c	2.18b	3.15a	5.06a
	16	---	0.29d	1.56d	2.43c	4.13a	---	0.09e	1.22d	2.01c	---	0.38d	1.74c	2.69b	4.53a
	24	---	---	0.81e	1.63d	3.22c	---	---	0.51e	1.25e	---	---	0.96e	1.86d	3.58c
12	12	---	0.13e	1.13e	1.81d	3.11c	---	---	0.89e	1.51d	---	0.20e	1.29d	2.03d	3.46b
	16	---	---	0.71e	1.35e	2.58d	---	---	0.48e	1.06e	---	---	0.84e	1.55e	2.90d
	24	---	---	---	0.56f	1.67e	---	---	---	0.29f	---	---	0.05f	0.71f	1.94e
14	12	---	---	0.53f	1.04e	1.99d	---	---	0.35f	0.82e	---	---	0.64f	1.20e	2.24d
	16	---	---	0.13f	0.60f	1.49e	---	---	---	0.39f	---	---	0.20f	0.73f	1.71e
	24	---	---	---	---	0.63f	---	---	---	---	---	---	---	---	0.80f
16	12	---	---	0.13f	0.51f	1.21e	---	---	---	0.34f	---	---	0.19f	0.62f	1.39e
	16	---	---	---	0.11f	0.75f	---	---	---	---	---	---	---	0.19f	0.90f
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	0.07f

30 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	362S200-(mils)					400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	1.13a	2.13a	4.06a	5.58a	8.40a	0.72a	1.38a	2.81a	4.06a	1.05a	1.86a	3.67a	5.18a	7.99a
	16	0.74b	1.71a	3.65a	5.18a	7.97a	0.40b	1.04a	2.50a	3.72a	0.70a	1.50a	3.32a	4.81a	7.58a
	24	0.02d	0.95b	2.89a	4.42a	7.17a	---	0.41c	1.90b	3.07a	0.05c	0.81b	2.66a	4.10a	6.80a
9	12	0.76b	1.68a	3.44a	4.84a	7.41a	0.44b	1.06a	2.43a	3.63a	0.73b	1.49a	3.20a	4.60a	7.19a
	16	0.32c	1.21b	2.97a	4.37a	6.91a	0.07d	0.67c	2.06a	3.21a	0.33c	1.07b	2.78a	4.16a	6.70a
	24	---	0.37d	2.13c	3.51b	5.98a	---	---	1.37c	2.45c	---	0.28d	2.02c	3.33b	5.77a
10	12	0.42c	1.25b	2.83a	4.09a	6.40a	0.17d	0.74c	2.03b	3.11a	0.41c	1.12b	2.70a	3.99a	6.33a
	16	---	0.74d	2.32c	3.58b	5.84a	---	0.30d	1.61c	2.65b	---	0.64c	2.24b	3.48a	5.76a
	24	---	---	1.43d	2.66d	4.83b	---	---	0.85e	1.81d	---	---	1.40d	2.57c	4.73b
12	12	---	0.49d	1.73d	2.72c	4.49a	---	0.14e	1.26d	2.09c	---	0.43d	1.75d	2.76c	4.60a
	16	---	---	1.21e	2.19d	3.90c	---	---	0.79e	1.58d	---	---	1.25e	2.20d	3.96c
	24	---	---	0.32f	1.26e	2.86d	---	---	---	0.68e	---	---	0.36f	1.23e	2.86d
14	12	---	---	0.92e	1.69e	3.03d	---	---	0.62e	1.24e	---	---	0.98e	1.73d	3.11c
	16	---	---	0.43f	1.18e	2.45e	---	---	0.15f	0.73f	---	---	0.48f	1.18e	2.49d
	24	---	---	---	0.31f	1.47f	---	---	---	---	---	---	---	0.25f	1.43e
16	12	---	---	0.38f	0.98f	1.99e	---	---	0.16f	0.62f	---	---	0.42f	0.98e	2.03e
	16	---	---	---	0.50f	1.46f	---	---	---	0.15f	---	---	---	0.48f	1.45e
	24	---	---	---	---	0.54f	---	---	---	---	---	---	---	---	0.46f

Combined Axial & Lateral Load Tables

30 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		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
8	12	1.35 a	2.46 a	4.68 a	6.55 a	9.90 a	1.64 a	2.68 a	4.96 a	6.81 a	10.68 a	1.19 a	1.95 a	3.34 a	4.59 a	7.16 a
	16	0.97 a	2.06 a	4.28 a	6.14 a	9.48 a	1.35 a	2.41 a	4.70 a	6.55 a	10.42 a	0.97 a	1.73 a	3.15 a	4.40 a	7.00 a
	24	0.26 c	1.30 a	3.52 a	5.37 a	8.66 a	0.79 a	1.88 a	4.19 a	6.05 a	9.92 a	0.53 a	1.30 a	2.78 a	4.04 a	6.69 a
9	12	0.99 a	2.03 a	4.09 a	5.84 a	8.94 a	1.38 a	2.42 a	4.69 a	6.56 a	10.43 a	1.01 a	1.76 a	3.17 a	4.42 a	7.02 a
	16	0.55 b	1.56 a	3.61 a	5.36 a	8.43 a	1.03 a	2.09 a	4.36 a	6.23 a	10.09 a	0.73 a	1.48 a	2.93 a	4.19 a	6.81 a
	24	---	0.70 c	2.73 b	4.45 a	7.45 a	0.35 a	1.44 a	3.72 a	5.59 a	9.44 a	0.19 a	0.95 a	2.47 a	3.73 a	6.41 a
10	12	0.64 b	1.59 a	3.47 a	5.10 a	7.92 a	1.10 a	2.14 a	4.34 a	6.26 a	10.12 a	0.80 a	1.55 a	2.98 a	4.23 a	6.85 a
	16	0.15 d	1.07 c	2.94 a	4.54 a	7.33 a	0.69 a	1.74 a	3.94 a	5.85 a	9.70 a	0.47 a	1.22 a	2.69 a	3.94 a	6.59 a
	24	---	0.13 d	1.98 c	3.54 c	6.24 a	---	0.97 b	3.18 a	5.07 a	8.88 a	---	0.58 a	2.12 a	3.37 a	6.09 a
12	12	---	0.78 d	2.31 c	3.62 b	5.88 a	0.52 b	1.51 a	3.54 a	5.32 a	9.29 a	0.35 b	1.08 a	2.54 a	3.78 a	6.43 a
	16	---	0.20 e	1.73 d	3.01 c	5.21 b	---	0.99 b	3.01 a	4.77 a	8.67 a	---	0.63 b	2.13 a	3.36 a	6.05 a
	24	---	---	0.71 e	1.93 e	4.02 d	---	0.04 d	2.04 c	3.74 b	7.50 a	---	---	1.35 c	2.57 b	5.31 a
14	12	---	0.13 e	1.36 e	2.36 d	4.11 c	---	0.86 c	2.66 b	4.24 a	7.72 a	---	0.57 c	2.02 b	3.23 a	5.88 a
	16	---	---	0.79 e	1.76 e	3.44 d	---	0.26 d	2.05 d	3.59 c	6.96 a	---	0.01 d	1.50 c	2.68 b	5.36 a
	24	---	---	---	0.74 f	2.29 e	---	---	0.96 e	2.42 d	5.60 c	---	---	0.54 e	1.68 d	4.39 c
16	12	---	---	0.68 f	1.45 e	2.79 d	---	0.28 e	1.84 d	3.18 c	6.11 b	---	0.05 d	1.47 d	2.61 c	5.22 a
	16	---	---	0.14 f	0.89 f	2.17 e	---	---	1.19 e	2.48 d	5.29 c	---	---	0.85 e	1.95 d	4.57 c
	24	---	---	---	---	1.09 f	---	---	0.07 f	1.26 e	3.86 e	---	---	---	0.79 e	3.39 d

30 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		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
8	12	1.73 a	2.77 a	5.02 a	6.88 a	10.84 a	2.15 a	3.56 a	6.71 a	9.27 a	14.95 a	1.30 a*	2.03 a	3.25 a	4.44 a	6.94 a
	16	1.47 a	2.53 a	4.79 a	6.65 a	10.62 a	1.88 a	3.27 a	6.42 a	9.00 a	14.67 a	1.14 a*	1.88 a	3.12 a	4.32 a	6.83 a
	24	0.95 a	2.05 a	4.33 a	6.21 a	10.18 a	1.34 a	2.69 a	5.84 a	8.45 a	14.12 a	0.82 a*	1.57 a	2.87 a	4.08 a	6.60 a
9	12	1.51 a	2.56 a	4.81 a	6.67 a	10.63 a	1.90 a	3.27 a	6.35 a	8.89 a	14.48 a	1.17 a*	1.91 a	3.14 a	4.34 a	6.85 a
	16	1.18 a	2.25 a	4.52 a	6.38 a	10.35 a	1.56 a	2.91 a	5.98 a	8.54 a	14.12 a	0.96 a*	1.71 a	2.98 a	4.19 a	6.70 a
	24	0.54 a	1.65 a	3.94 a	5.81 a	9.78 a	0.90 a	2.20 a	5.26 a	7.85 a	13.42 a	0.56 a*	1.32 a	2.67 a	3.88 a	6.41 a
10	12	1.26 a	2.32 a	4.57 a	6.43 a	10.38 a	1.63 a	2.96 a	5.94 a	8.45 a	13.92 a	1.02 a*	1.76 a	3.03 a	4.23 a	6.74 a
	16	0.86 a	1.94 a	4.20 a	6.06 a	10.02 a	1.22 a	2.51 a	5.49 a	8.02 a	13.47 a	0.77 a*	1.52 a	2.83 a	4.03 a	6.55 a
	24	0.11 b	1.22 a	3.50 a	5.36 a	9.31 a	0.44 a	1.67 a	4.62 a	7.18 a	12.60 a	0.28 a*	1.04 a	2.43 a	3.65 a	6.19 a
12	12	0.70 a	1.75 a	3.94 a	5.82 a	9.74 a	1.03 a	2.24 a	4.98 a	7.37 a	12.50 a	0.68 a*	1.43 a	2.74 a	3.95 a	6.47 a
	16	0.19 c	1.24 a	3.43 a	5.30 a	9.19 a	0.50 b	1.66 a	4.37 a	6.77 a	11.86 a	0.33 a*	1.09 a	2.46 a	3.67 a	6.20 a
	24	---	0.31 c	2.47 b	4.31 a	8.15 a	---	0.57 c	3.24 b	5.65 a	10.66 a	---	0.42 a	1.90 a	3.13 a	5.67 a
14	12	0.14 c	1.12 b	3.11 a	4.87 a	8.83 a	0.42 c	1.48 a	3.92 a	6.13 a	10.78 a	0.29 a*	1.04 a	2.41 a	3.62 a	6.14 a
	16	---	0.52 d	2.50 c	4.21 a	8.09 a	---	0.79 c	3.19 b	5.39 a	9.97 a	---	0.59 a	2.02 a	3.24 a	5.77 a
	24	---	---	1.38 d	3.02 c	6.74 b	---	---	1.88 d	4.06 c	8.49 a	---	---	1.28 b	2.51 a	5.05 a
16	12	---	0.51 d	2.28 c	3.82 b	7.28 a	---	0.77 c	2.88 b	4.85 a	8.92 a	---	0.61 a	2.02 a	3.22 a	5.74 a
	16	---	---	1.60 d	3.09 c	6.44 b	---	0.01 d	2.09 d	4.03 c	8.01 a	---	0.06 c	1.53 b	2.74 a	5.25 a
	24	---	---	0.40 e	1.80 e	4.95 d	---	---	0.70 e	2.59 d	6.38 c	---	---	0.61 d	1.81 c	4.32 a

Combined Axial & Lateral Load Tables

30 psf Lateral Load											
Wall Height (ft)	Spacing o.c. (in)	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	1.90 a*	2.89 a	5.01 a	6.84 a	10.86 a	2.44 a*	3.93 a	7.21 a	9.80 a	15.52 a
	16	1.71 a*	2.70 a	4.84 a	6.67 a	10.70 a	2.23 a*	3.71 a	6.99 a	9.60 a	15.33 a
	24	1.33 a*	2.33 a	4.50 a	6.34 a	10.38 a	1.82 a*	3.28 a	6.57 a	9.22 a	14.96 a
9	12	1.75 a*	2.73 a	4.87 a	6.69 a	10.72 a	2.27 a*	3.74 a	7.02 a	9.63 a	15.35 a
	16	1.50 a*	2.50 a	4.65 a	6.49 a	10.51 a	2.01 a*	3.47 a	6.75 a	9.38 a	15.11 a
	24	1.02 a*	2.03 a	4.22 a	6.07 a	10.10 a	1.49 a*	2.92 a	6.21 a	8.88 a	14.64 a
10	12	1.57 a*	2.56 a	4.70 a	6.53 a	10.56 a	2.07 a*	3.54 a	6.81 a	9.43 a	15.16 a
	16	1.27 a*	2.27 a	4.44 a	6.27 a	10.30 a	1.75 a*	3.20 a	6.47 a	9.12 a	14.86 a
	24	0.68 a*	1.70 a	3.91 a	5.75 a	9.79 a	1.12 a*	2.53 a	5.80 a	8.50 a	14.26 a
12	12	1.16 a*	2.15 a	4.31 a	6.15 a	10.17 a	1.63 a*	3.05 a	6.30 a	8.95 a	14.68 a
	16	0.74 a*	1.74 a	3.93 a	5.76 a	9.78 a	1.17 a*	2.57 a	5.81 a	8.49 a	14.23 a
	24	---	0.95 a	3.17 a	5.02 a	9.03 a	0.31 a*	1.64 a	4.85 a	7.59 a	13.34 a
14	12	0.69 a*	1.68 a	3.84 a	5.67 a	9.66 a	1.10 a*	2.46 a	5.59 a	8.29 a	14.05 a
	16	0.15 b*	1.14 a	3.32 a	5.14 a	9.13 a	0.52 a*	1.83 a	4.94 a	7.66 a	13.41 a
	24	---	0.12 b	2.33 a	4.14 a	8.09 a	---	0.64 a	3.69 a	6.45 a	12.18 a
16	12	0.19 b*	1.15 a	3.29 a	5.09 a	9.04 a	0.54 a*	1.79 a	4.71 a	7.30 a	12.92 a
	16	---	0.49 b	2.63 a	4.42 a	8.34 a	---	1.03 a	3.91 a	6.52 a	12.09 a
	24	---	---	1.41 c	3.16 b	7.00 a	---	---	2.44 b	5.06 a	10.53 a

Combined Axial & Lateral Load Tables

35 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	350S162-(mils)					362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	0.60b	1.30a	2.81a	3.90a	6.13a	0.40b	0.98a	2.27a	3.27a	0.67b	1.40a	2.99a	4.19a	6.55a
	16	0.20d	0.87b	2.41a	3.49a	5.67a	0.03d	0.59c	1.91b	2.88a	0.27c	0.98b	2.59a	3.77a	6.09a
	24	---	0.11d	1.68c	2.73b	4.80a	---	---	1.24d	2.17c	---	0.20d	1.85c	3.00b	5.21a
9	12	0.26d	0.89c	2.28b	3.27a	5.26a	0.10d	0.63c	1.84b	2.74a	0.33c	0.99b	2.47a	3.55a	5.68a
	16	---	0.42d	1.83c	2.80b	4.73a	---	0.19d	1.43c	2.30b	---	0.52d	2.02c	3.07b	5.14a
	24	---	---	1.04e	1.96d	3.76c	---	---	0.68e	1.51d	---	---	1.20d	2.20d	4.15b
10	12	---	0.51d	1.77c	2.65b	4.39a	---	0.29d	1.42c	2.22c	0.01e	0.60d	1.96c	2.92b	4.79a
	16	---	0.01e	1.30d	2.15d	3.82b	---	---	0.97d	1.74d	---	0.09e	1.47d	2.40c	4.20b
	24	---	---	0.47e	1.27e	2.80d	---	---	0.19e	0.90e	---	---	0.61e	1.48e	3.15d
12	12	---	---	0.91e	1.58d	2.84c	---	---	0.68e	1.28e	---	---	1.06e	1.78d	3.17c
	16	---	---	0.44f	1.07e	2.26d	---	---	0.22f	0.79e	---	---	0.56e	1.25e	2.56d
	24	---	---	---	0.21f	1.26e	---	---	---	---	---	---	---	0.34f	1.51e
14	12	---	---	0.32f	0.82f	1.73e	---	---	0.15f	0.60f	---	---	0.41f	0.96e	1.97e
	16	---	---	---	0.34f	1.18f	---	---	---	0.13f	---	---	---	0.45f	1.39e
	24	---	---	---	---	0.25f	---	---	---	---	---	---	---	---	0.40f
16	12	---	---	---	0.30f	0.97f	---	---	---	0.13f	---	---	---	0.39f	1.14f
	16	---	---	---	---	0.47f	---	---	---	---	---	---	---	---	0.61f
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---

35 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	362S200-(mils)					400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	0.93a	1.92a	3.85a	5.38a	8.18a	0.56a	1.21a	2.65a	3.89a	0.87a	1.68a	3.49a	4.99a	7.79a
	16	0.49b	1.45a	3.39a	4.92a	7.70a	0.20c	0.83a	2.29a	3.50a	0.47b	1.26a	3.09a	4.57a	7.32a
	24	---	0.60c	2.54b	4.07a	6.78a	---	0.11c	1.62c	2.77a	---	0.49c	2.34b	3.76a	6.43a
9	12	0.54c	1.44a	3.20a	4.60a	7.16a	0.25c	0.86b	2.24a	3.42a	0.52b	1.28a	2.99a	4.38a	6.94a
	16	0.05d	0.92c	2.68b	4.07a	6.59a	---	0.42c	1.82b	2.95a	0.07d	0.79c	2.52a	3.87a	6.38a
	24	---	---	1.74d	3.12c	5.54a	---	---	1.05d	2.09c	---	---	1.66c	2.94c	5.34a
10	12	0.17d	0.99c	2.57b	3.83a	6.11a	---	0.51c	1.82b	2.87a	0.19d	0.88c	2.47b	3.73a	6.04a
	16	---	0.42d	2.01c	3.26b	5.49a	---	0.02d	1.35d	2.35c	---	0.35d	1.95c	3.17b	5.41a
	24	---	---	1.02e	2.24d	4.37c	---	---	0.50e	1.42d	---	---	1.02e	2.15d	4.26c
12	12	---	0.21e	1.46d	2.45d	4.19b	---	---	1.02e	1.82d	---	0.16e	1.49d	2.47c	4.27b
	16	---	---	0.90e	1.86e	3.54d	---	---	0.50e	1.26e	---	---	0.93e	1.86d	3.58c
	24	---	---	---	0.84f	2.39e	---	---	---	0.28f	---	---	---	0.79e	2.36e
14	12	---	---	0.67e	1.43e	2.73d	---	---	0.38f	0.98e	---	---	0.72e	1.45e	2.79d
	16	---	---	0.14f	0.87f	2.11e	---	---	---	0.43f	---	---	0.17f	0.85f	2.12e
	24	---	---	---	---	1.03f	---	---	---	---	---	---	---	---	0.96f
16	12	---	---	0.14f	0.73f	1.72e	---	---	---	0.38f	---	---	0.18f	0.72f	1.73e
	16	---	---	---	0.21f	1.13f	---	---	---	---	---	---	---	0.17f	1.10f
	24	---	---	---	---	0.14f	---	---	---	---	---	---	---	---	0.03f

Combined Axial & Lateral Load Tables

35 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		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
8	12	1.16 a	2.26 a	4.48 a	6.34 a	9.69 a	1.49 a	2.54 a	4.83 a	6.68 a	10.55 a	1.08 a	1.84 a	3.24 a	4.49 a	7.08 a
	16	0.72 a	1.80 a	4.02 a	5.88 a	9.20 a	1.16 a	2.23 a	4.53 a	6.38 a	10.25 a	0.82 a	1.58 a	3.03 a	4.28 a	6.90 a
	24	---	0.95 b	3.15 a	5.00 a	8.26 a	0.52 a	1.63 a	3.94 a	5.80 a	9.67 a	0.32 a	1.09 a	2.60 a	3.86 a	6.53 a
9	12	0.77 b	1.79 a	3.84 a	5.60 a	8.68 a	1.20 a	2.25 a	4.53 a	6.40 a	10.26 a	0.87 a	1.62 a	3.05 a	4.31 a	6.92 a
	16	0.27 c	1.26 b	3.31 a	5.04 a	8.09 a	0.80 a	1.87 a	4.15 a	6.02 a	9.87 a	0.55 a	1.30 a	2.78 a	4.03 a	6.68 a
	24	---	0.30 d	2.32 c	4.03 b	6.99 a	0.03 b	1.13 a	3.41 a	5.28 a	9.12 a	---	0.69 a	2.24 a	3.50 a	6.21 a
10	12	0.39 c	1.33 b	3.20 a	4.81 a	7.62 a	0.89 a	1.93 a	4.14 a	6.06 a	9.91 a	0.63 a	1.38 a	2.84 a	4.09 a	6.72 a
	16	---	0.74 c	2.61 b	4.20 a	6.95 a	0.42 b	1.48 a	3.69 a	5.59 a	9.42 a	0.25 a	1.00 a	2.50 a	3.75 a	6.42 a
	24	---	---	1.54 d	3.08 c	5.73 b	---	0.61 b	2.82 a	4.69 a	8.48 a	---	0.27 b	1.84 a	3.09 a	5.84 a
12	12	---	0.49 d	2.01 c	3.30 c	5.54 a	0.25 c	1.24 b	3.27 a	5.04 a	8.98 a	0.13 c	0.85 a	2.33 a	3.57 a	6.24 a
	16	---	---	1.37 d	2.63 d	4.79 b	---	0.66 c	2.68 b	4.41 a	8.27 a	---	0.34 c	1.86 b	3.09 a	5.80 a
	24	---	---	0.26 e	1.45 e	3.48 d	---	---	1.59 d	3.26 c	6.95 a	---	---	0.98 d	2.19 c	4.96 a
14	12	---	---	1.06 e	2.05 d	3.76 c	---	0.56 d	2.35 c	3.91 b	7.33 a	---	0.28 d	1.75 c	2.95 a	5.62 a
	16	---	---	0.44 f	1.40 e	3.03 d	---	---	1.67 d	3.18 c	6.49 b	---	---	1.16 d	2.33 c	5.03 a
	24	---	---	---	0.28 f	1.77 e	---	---	0.47 e	1.88 e	4.98 d	---	---	0.10 e	1.21 d	3.94 c
16	12	---	---	0.40 f	1.16 e	2.47 e	---	---	1.50 d	2.82 d	5.69 b	---	---	1.15 d	2.27 c	4.89 b
	16	---	---	---	0.55 f	1.79 e	---	---	0.79 e	2.05 e	4.79 d	---	---	0.47 e	1.55 d	4.16 c
	24	---	---	---	---	0.62 f	---	---	---	0.72 f	3.22 e	---	---	---	0.27 e	2.86 e

35 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		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
8	12	1.60 a	2.65 a	4.90 a	6.76 a	10.73 a	2.01 a	3.41 a	6.56 a	9.13 a	14.81 a	1.22 a*	1.96 a	3.19 a	4.38 a	6.89 a
	16	1.30 a	2.36 a	4.64 a	6.50 a	10.47 a	1.70 a	3.07 a	6.22 a	8.81 a	14.49 a	1.03 a*	1.78 a	3.04 a	4.24 a	6.75 a
	24	0.70 a	1.81 a	4.11 a	5.99 a	9.97 a	1.07 a	2.41 a	5.55 a	8.18 a	13.85 a	0.66 a*	1.42 a	2.75 a	3.96 a	6.49 a
9	12	1.34 a	2.40 a	4.66 a	6.52 a	10.49 a	1.73 a	3.09 a	6.17 a	8.72 a	14.30 a	1.06 a*	1.81 a	3.06 a	4.26 a	6.77 a
	16	0.96 a	2.05 a	4.32 a	6.19 a	10.16 a	1.34 a	2.67 a	5.74 a	8.31 a	13.89 a	0.83 a*	1.58 a	2.88 a	4.08 a	6.60 a
	24	0.24 a	1.36 a	3.66 a	5.53 a	9.50 a	0.58 a	1.85 a	4.90 a	7.52 a	13.07 a	0.36 a*	1.13 a	2.51 a	3.73 a	6.26 a
10	12	1.06 a	2.13 a	4.38 a	6.24 a	10.20 a	1.42 a	2.73 a	5.71 a	8.23 a	13.69 a	0.89 a*	1.64 a	2.93 a	4.13 a	6.65 a
	16	0.61 a	1.70 a	3.96 a	5.82 a	9.78 a	0.95 a	2.23 a	5.19 a	7.73 a	13.18 a	0.60 a*	1.36 a	2.69 a	3.91 a	6.43 a
	24	---	0.88 a	3.15 a	5.02 a	8.96 a	0.07 b	1.26 a	4.20 a	6.77 a	12.18 a	0.03 a*	0.81 a	2.24 a	3.47 a	6.01 a
12	12	0.44 b	1.49 a	3.68 a	5.56 a	9.46 a	0.76 a	1.94 a	4.67 a	7.07 a	12.18 a	0.50 a*	1.26 a	2.60 a	3.81 a	6.34 a
	16	---	0.92 b	3.10 a	4.96 a	8.84 a	0.16 c	1.28 a	3.98 a	6.39 a	11.45 a	0.10 a*	0.86 a	2.27 a	3.49 a	6.03 a
	24	---	---	2.03 c	3.84 b	7.66 a	---	0.06 c	2.70 b	5.12 a	10.08 a	---	0.10 a	1.62 a	2.86 a	5.41 a
14	12	---	0.81 c	2.80 b	4.54 a	8.45 a	0.10 c	1.13 b	3.55 a	5.75 a	10.37 a	0.07 b*	0.81 a	2.21 a	3.43 a	5.95 a
	16	---	0.14 d	2.11 c	3.80 b	7.62 a	---	0.36 d	2.74 c	4.93 b	9.46 a	---	0.30 b	1.77 a	2.99 a	5.53 a
	24	---	---	0.87 e	2.48 d	6.11 c	---	---	1.28 d	3.44 d	7.80 b	---	---	0.92 c	2.15 a	4.70 a
16	12	---	0.17 d	1.93 d	3.45 c	6.85 a	---	0.38 d	2.48 c	4.43 b	8.46 a	---	0.33 b	1.77 a	2.98 a	5.49 a
	16	---	---	1.18 e	2.64 d	5.92 c	---	---	1.60 d	3.53 c	7.44 b	---	---	1.22 c	2.42 a	4.94 a
	24	---	---	---	1.22 e	4.28 d	---	---	0.08 e	1.94 e	5.64 d	---	---	0.18 d	1.37 c	3.87 b

Combined Axial & Lateral Load Tables

35 psf Lateral Load											
Wall Height (ft)	Spacing o.c. (in)	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	1.81a*	2.79a	4.92a	6.75a	10.78a	2.34a*	3.82a	7.10a	9.70a	15.42a
	16	1.58a*	2.58a	4.73a	6.56a	10.59a	2.10a*	3.57a	6.85a	9.47a	15.21a
	24	1.14a*	2.15a	4.34a	6.18a	10.22a	1.62a*	3.07a	6.36a	9.02a	14.78a
9	12	1.62a*	2.61a	4.76a	6.59a	10.62a	2.14a*	3.61a	6.89a	9.50a	15.23a
	16	1.34a*	2.34a	4.51a	6.35a	10.38a	1.83a*	3.29a	6.57a	9.21a	14.95a
	24	0.78a*	1.80a	4.01a	5.86a	9.90a	1.23a*	2.66a	5.94a	8.64a	14.40a
10	12	1.42a*	2.41a	4.57a	6.40a	10.43a	1.91a*	3.37a	6.64a	9.28a	15.01a
	16	1.07a*	2.08a	4.26a	6.10a	10.13a	1.54a*	2.97a	6.25a	8.91a	14.66a
	24	0.40a*	1.42a	3.65a	5.50a	9.53a	0.81a*	2.20a	5.47a	8.20a	13.96a
12	12	0.95a*	1.94a	4.12a	5.95a	9.97a	1.40a*	2.81a	6.05a	8.72a	14.45a
	16	0.47a*	1.47a	3.67a	5.51a	9.53a	0.88a*	2.26a	5.48a	8.19a	13.93a
	24	---	0.56a	2.81a	4.65a	8.66a	---	1.18a	4.38a	7.15a	12.90a
14	12	0.42a*	1.40a	3.58a	5.40a	9.39a	0.81a*	2.14a	5.26a	7.97a	13.73a
	16	---	0.79a	2.98a	4.80a	8.78a	0.15b*	1.42a	4.51a	7.25a	13.00a
	24	---	---	1.85b	3.66a	7.59a	---	0.08b	3.10a	5.88a	11.58a
16	12	---	0.81b	2.96a	4.75a	8.69a	0.19b*	1.41a	4.30a	6.91a	12.50a
	16	---	0.07c	2.22b	3.99a	7.88a	---	0.55b	3.40a	6.02a	11.56a
	24	---	---	0.84d	2.57c	6.36a	---	---	1.75c	4.37b	9.79a

Combined Axial & Lateral Load Tables

40 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	350S162-(mils)					362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	0.43c	1.11b	2.64a	3.72a	5.93a	0.24c	0.81b	2.11a	3.10a	0.50b	1.21a	2.82a	4.01a	6.35a
	16	---	0.65c	2.19b	3.26a	5.41a	---	0.38c	1.71b	2.67a	0.06d	0.75c	2.37b	3.54a	5.83a
	24	---	---	1.39d	2.42c	4.45a	---	---	0.97d	1.88c	---	---	1.56d	2.68c	4.85a
9	12	0.07d	0.69c	2.08b	3.06a	5.02a	---	0.44d	1.66c	2.55b	0.13d	0.78c	2.27b	3.34a	5.44a
	16	---	0.17d	1.60d	2.55c	4.44a	---	---	1.21d	2.07c	---	0.26d	1.77c	2.82b	4.84a
	24	---	---	0.72e	1.63d	3.38c	---	---	0.39e	1.19e	---	---	0.87e	1.86d	3.75c
10	12	---	0.29d	1.56d	2.43c	4.13a	---	0.09e	1.22d	2.01c	---	0.38d	1.74c	2.69b	4.53a
	16	---	---	1.05e	1.89d	3.51c	---	---	0.74e	1.49d	---	---	1.21d	2.12d	3.89b
	24	---	---	0.15f	0.93e	2.40d	---	---	---	0.57e	---	---	0.27e	1.12e	2.73d
12	12	---	---	0.71e	1.35e	2.58d	---	---	0.48e	1.06e	---	---	0.84e	1.55e	2.90d
	16	---	---	0.20f	0.81e	1.96e	---	---	---	0.53f	---	---	0.30f	0.98e	2.24e
	24	---	---	---	---	0.87f	---	---	---	---	---	---	---	---	1.10f
14	12	---	---	0.13f	0.60f	1.49e	---	---	---	0.39f	---	---	0.20f	0.73f	1.71e
	16	---	---	---	0.09f	0.90f	---	---	---	---	---	---	---	0.19f	1.09f
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	0.02f
16	12	---	---	---	0.11f	0.75f	---	---	---	---	---	---	---	0.19f	0.90f
	16	---	---	---	---	0.21f	---	---	---	---	---	---	---	---	0.33f
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---

40 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	362S200-(mils)					400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	0.74b	1.71a	3.65a	5.18a	7.97a	0.40b	1.04a	2.50a	3.72a	0.70a	1.50a	3.32a	4.81a	7.58a
	16	0.25c	1.20b	3.14a	4.67a	7.43a	---	0.61b	2.10a	3.29a	0.26c	1.03a	2.87a	4.33a	7.06a
	24	---	0.26d	2.19c	3.72b	6.41a	---	---	1.34c	2.47b	---	0.17c	2.04b	3.44a	6.06a
9	12	0.32c	1.21b	2.97a	4.37a	6.91a	0.07d	0.67c	2.06a	3.21a	0.33c	1.07b	2.78a	4.16a	6.70a
	16	---	0.64c	2.40c	3.79a	6.28a	---	0.18d	1.59c	2.70b	---	0.53c	2.26b	3.60a	6.07a
	24	---	---	1.36d	2.74c	5.12b	---	---	0.74d	1.75d	---	---	1.32d	2.57c	4.92b
10	12	---	0.74d	2.32c	3.58b	5.84a	---	0.30d	1.61c	2.65b	---	0.64c	2.24b	3.48a	5.76a
	16	---	0.13e	1.71d	2.95c	5.15a	---	---	1.09d	2.07c	---	0.06d	1.67d	2.86c	5.06a
	24	---	---	0.64e	1.85e	3.92c	---	---	0.17e	1.05e	---	---	0.66e	1.75d	3.80c
12	12	---	---	1.21e	2.19d	3.90c	---	---	0.79e	1.58d	---	---	1.25e	2.20d	3.96c
	16	---	---	0.60e	1.55e	3.19d	---	---	0.23f	0.96e	---	---	0.64e	1.54e	3.21d
	24	---	---	---	0.45f	1.95e	---	---	---	---	---	---	---	0.38f	1.89e
14	12	---	---	0.43f	1.18e	2.45e	---	---	0.15f	0.73f	---	---	0.48f	1.18e	2.49d
	16	---	---	---	0.58f	1.78e	---	---	---	0.14f	---	---	---	0.54f	1.76e
	24	---	---	---	---	0.62f	---	---	---	---	---	---	---	---	0.51f
16	12	---	---	---	0.50f	1.46f	---	---	---	0.15f	---	---	---	0.48f	1.45e
	16	---	---	---	---	0.83f	---	---	---	---	---	---	---	---	0.77f
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Combined Axial & Lateral Load Tables

40 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		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
8	12	0.97a	2.06a	4.28a	6.14a	9.48a	1.35a	2.41a	4.70a	6.55a	10.42a	0.97a	1.73a	3.15a	4.40a	7.00a
	16	0.49b	1.55a	3.76a	5.62a	8.93a	0.98a	2.06a	4.36a	6.22a	10.09a	0.68a	1.44a	2.90a	4.16a	6.79a
	24	---	0.61c	2.80b	4.64a	7.88a	0.26a	1.37a	3.70a	5.56a	9.42a	0.11a	0.88a	2.42a	3.68a	6.38a
9	12	0.55b	1.56a	3.61a	5.36a	8.43a	1.03a	2.09a	4.36a	6.23a	10.09a	0.73a	1.48a	2.93a	4.19a	6.81a
	16	---	0.97b	3.01a	4.74a	7.77a	0.57a	1.65a	3.93a	5.81a	9.66a	0.37a	1.13a	2.62a	3.88a	6.54a
	24	---	---	1.93c	3.62b	6.55a	---	0.82a	3.11a	4.98a	8.80a	---	0.43a	2.01a	3.27a	6.01a
10	12	0.15d	1.07c	2.94a	4.54a	7.33a	0.69a	1.74a	3.94a	5.85a	9.70a	0.47a	1.22a	2.69a	3.94a	6.59a
	16	---	0.43d	2.29c	3.86b	6.59a	0.16b	1.22a	3.43a	5.33a	9.15a	0.04b	0.79a	2.31a	3.56a	6.25a
	24	---	---	1.13d	2.64d	5.25b	---	0.26c	2.46b	4.32a	8.09a	---	---	1.57b	2.82a	5.59a
12	12	---	0.20e	1.73d	3.01c	5.21b	---	0.99b	3.01a	4.77a	8.67a	---	0.63b	2.13a	3.36a	6.05a
	16	---	---	1.03e	2.27d	4.40c	---	0.34d	2.35c	4.07b	7.88a	---	0.06c	1.60b	2.82a	5.55a
	24	---	---	---	1.00e	2.97e	---	---	1.16d	2.80d	6.43b	---	---	0.63d	1.82c	4.62b
14	12	---	---	0.79e	1.76e	3.44d	---	0.26d	2.05d	3.59c	6.96a	---	0.01d	1.50c	2.68b	5.36a
	16	---	---	0.12f	1.06e	2.65e	---	---	1.31e	2.79d	6.03c	---	---	0.85d	2.00d	4.71b
	24	---	---	---	---	1.29f	---	---	---	1.38e	4.39d	---	---	---	0.77e	3.50d
16	12	---	---	0.14f	0.89f	2.17e	---	---	1.19e	2.48d	5.29c	---	---	0.85e	1.95d	4.57c
	16	---	---	---	0.24f	1.43f	---	---	0.42f	1.65e	4.31d	---	---	0.11e	1.16e	3.77d
	24	---	---	---	---	0.17f	---	---	---	0.20f	2.62e	---	---	---	---	2.35e

40 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		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
8	12	1.47a	2.53a	4.79a	6.65a	10.62a	1.88a	3.27a	6.42a	9.00a	14.67a	1.14a*	1.88a	3.12a	4.32a	6.83a
	16	1.12a	2.20a	4.48a	6.35a	10.33a	1.52a	2.88a	6.03a	8.63a	14.30a	0.92a*	1.67a	2.96a	4.16a	6.68a
	24	0.45a	1.58a	3.89a	5.77a	9.75a	0.81a	2.13a	5.27a	7.92a	13.58a	0.50a*	1.26a	2.62a	3.84a	6.37a
9	12	1.18a	2.25a	4.52a	6.38a	10.35a	1.56a	2.91a	5.98a	8.54a	14.12a	0.96a*	1.71a	2.98a	4.19a	6.70a
	16	0.75a	1.85a	4.13a	6.00a	9.97a	1.12a	2.43a	5.49a	8.08a	13.65a	0.69a*	1.45a	2.77a	3.98a	6.51a
	24	---	1.07a	3.38a	5.26a	9.22a	0.27a	1.51a	4.55a	7.18a	12.73a	0.16a*	0.94a	2.35a	3.58a	6.12a
10	12	0.86a	1.94a	4.20a	6.06a	10.02a	1.22a	2.51a	5.49a	8.02a	13.47a	0.77a*	1.52a	2.83a	4.03a	6.55a
	16	0.36a	1.46a	3.73a	5.59a	9.54a	0.69a	1.94a	4.90a	7.45a	12.89a	0.44a*	1.20a	2.56a	3.78a	6.31a
	24	---	0.54b	2.82a	4.68a	8.61a	---	0.86a	3.78a	6.37a	11.76a	---	0.58a	2.04a	3.28a	5.83a
12	12	0.19c	1.24a	3.43a	5.30a	9.19a	0.50b	1.66a	4.37a	6.77a	11.86a	0.33a*	1.09a	2.46a	3.67a	6.20a
	16	---	0.61c	2.78b	4.63a	8.49a	---	0.92b	3.60a	6.01a	11.05a	---	0.64a	2.08a	3.31a	5.85a
	24	---	---	1.59d	3.39c	7.17a	---	---	2.19c	4.60b	9.52a	---	---	1.35a	2.59a	5.15a
14	12	---	0.52d	2.50c	4.21a	8.09a	---	0.79c	3.19b	5.39a	9.97a	---	0.59a	2.02a	3.24a	5.77a
	16	---	---	1.74d	3.41c	7.17a	---	---	2.30c	4.48b	8.96a	---	0.02b	1.52a	2.75a	5.29a
	24	---	---	0.38e	1.95d	5.51c	---	---	0.71e	2.85d	7.15c	---	---	0.57c	1.80b	4.35a
16	12	---	---	1.60d	3.09c	6.44b	---	0.01d	2.09d	4.03c	8.01a	---	0.06c	1.53b	2.74a	5.25a
	16	---	---	0.78e	2.21d	5.43c	---	---	1.14e	3.05d	6.90c	---	---	0.91c	2.11b	4.63a
	24	---	---	---	0.67e	3.65e	---	---	---	1.32e	4.94d	---	---	---	0.95d	3.44c

Combined Axial & Lateral Load Tables

40 psf Lateral Load											
Wall Height (ft)	Spacing o.c. (in)	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	1.71a*	2.70a	4.84a	6.67a	10.70a	2.23a*	3.71a	6.99a	9.60a	15.33a
	16	1.46a*	2.45a	4.62a	6.45a	10.49a	1.96a*	3.42a	6.71a	9.34a	15.08a
	24	0.95a*	1.97a	4.17a	6.02a	10.06a	1.42a*	2.85a	6.15a	8.83a	14.59a
9	12	1.50a*	2.50a	4.65a	6.49a	10.51a	2.01a*	3.47a	6.75a	9.38a	15.11a
	16	1.18a*	2.19a	4.37a	6.21a	10.24a	1.66a*	3.11a	6.39a	9.05a	14.79a
	24	0.55a*	1.57a	3.80a	5.66a	9.69a	0.98a*	2.39a	5.68a	8.39a	14.16a
10	12	1.27a*	2.27a	4.44a	6.27a	10.30a	1.75a*	3.20a	6.47a	9.12a	14.86a
	16	0.88a*	1.89a	4.08a	5.93a	9.96a	1.33a*	2.75a	6.02a	8.71a	14.46a
	24	0.11a*	1.14a	3.39a	5.24a	9.28a	0.51a*	1.88a	5.14a	7.89a	13.67a
12	12	0.74a*	1.74a	3.93a	5.76a	9.78a	1.17a*	2.57a	5.81a	8.49a	14.23a
	16	0.20a*	1.21a	3.42a	5.26a	9.28a	0.59a*	1.94a	5.16a	7.89a	13.63a
	24	---	0.18a	2.45a	4.29a	8.29a	---	0.74a	3.92a	6.72a	12.47a
14	12	0.15b*	1.14a	3.32a	5.14a	9.13a	0.52a*	1.83a	4.94a	7.66a	13.41a
	16	---	0.45b	2.65a	4.47a	8.43a	---	1.03a	4.10a	6.85a	12.58a
	24	---	---	1.39c	3.19a	7.10a	---	---	2.52b	5.31a	11.00a
16	12	---	0.49b	2.63a	4.42a2.00c	8.34a	---	1.03a	3.91a	6.52a	12.09a
	16	---	---	1.81c	3.57a	7.44a	---	0.09c	2.91b	5.53a	11.04a
	24	---	---	0.29d	2.00c	5.75b	---	---	1.09d	3.71c	9.08a

Combined Axial & Lateral Load Tables

50 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	350S162-(mils)					362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	0.09d	0.76c	2.30b	3.38a	5.54a	---	0.49c	1.81b	2.78a	0.16c	0.86b	2.48a	3.66a	5.96a
	16	---	0.21d	1.78c	2.83b	4.92a	---	---	1.33c	2.27b	---	0.31d	1.96c	3.10b	5.33a
	24	---	---	0.83e	1.84d	3.78c	---	---	0.46e	1.33d	---	---	0.99d	2.08d	4.17b
9	12	---	0.29d	1.71c	2.68b	4.58a	---	0.07d	1.32d	2.18c	---	0.39d	1.89c	2.94b	4.99a
	16	---	---	1.14d	2.08d	3.89b	---	---	0.78e	1.61d	---	---	1.31d	2.32c	4.28b
	24	---	---	0.14e	1.00e	2.65d	---	---	---	0.59e	---	---	0.27e	1.21e	3.01d
10	12	---	---	1.17d	2.02d	3.66c	---	---	0.85e	1.61d	---	---	1.34d	2.26c	4.04b
	16	---	---	0.58e	1.39e	2.93d	---	---	0.29e	1.01e	---	---	0.72e	1.61d	3.29c
	24	---	---	---	0.29f	1.66e	---	---	---	---	---	---	---	0.45e	1.96e
12	12	---	---	0.32f	0.94e	2.11e	---	---	0.10f	0.66e	---	---	0.43f	1.11e	2.40d
	16	---	---	---	0.32f	1.39e	---	---	---	0.06f	---	---	---	0.46f	1.65e
	24	---	---	---	---	0.16f	---	---	---	---	---	---	---	---	0.34f
14	12	---	---	---	0.21f	1.04f	---	---	---	0.01f	---	---	---	0.32f	1.24f
	16	---	---	---	---	0.37f	---	---	---	---	---	---	---	---	0.53f
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16	12	---	---	---	---	0.34f	---	---	---	---	---	---	---	---	0.47f
	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---

50 psf Lateral Load															
Wall Height (ft)	Spacing o.c. (in)	362S200-(mils)					400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97
8	12	0.37c	1.33a	3.26a	4.79a	7.56a	0.10c	0.72b	2.19a	3.39a	0.37b	1.15a	2.98a	4.45a	7.19a
	16	---	0.72c	2.65b	4.18a	6.91a	---	0.21c	1.71b	2.87a	---	0.59c	2.45a	3.87a	6.55a
	24	---	---	1.54d	3.06c	5.69a	---	---	0.82d	1.90c	---	---	1.46c	2.81c	5.35a
9	12	---	0.78c	2.54b	3.93a	6.43a	---	0.29d	1.70c	2.82b	---	0.66c	2.39b	3.73a	6.22a
	16	---	0.10d	1.86d	3.25c	5.68a	---	---	1.15d	2.21c	---	0.04d	1.78c	3.07b	5.48a
	24	---	---	0.67e	2.02d	4.33c	---	---	0.15e	1.11e	---	---	0.68e	1.87d	4.12c
10	12	---	0.27d	1.86d	3.10c	5.32a	---	---	1.22d	2.21c	---	0.20d	1.81c	3.01b	5.23a
	16	---	---	1.15e	2.38d	4.52c	---	---	0.62e	1.55d	---	---	1.15d	2.29d	4.41b
	24	---	---	---	1.11e	3.09d	---	---	---	0.37e	---	---	---	1.00e	2.95d
12	12	---	---	0.74e	1.70e	3.36d	---	---	0.37e	1.11e	---	---	0.78e	1.69e	3.39d
	16	---	---	0.05f	0.98e	2.55e	---	---	---	0.41f	---	---	0.09f	0.93e	2.52e
	24	---	---	---	---	1.13f	---	---	---	---	---	---	---	---	1.01f
14	12	---	---	---	0.72f	1.94e	---	---	---	0.28f	---	---	0.03f	0.70f	1.94e
	16	---	---	---	0.05f	1.17f	---	---	---	---	---	---	---	---	1.11f
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16	12	---	---	---	0.08f	0.98f	---	---	---	---	---	---	---	0.02f	0.94f
	16	---	---	---	---	0.27f	---	---	---	---	---	---	---	---	0.17f
	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Combined Axial & Lateral Load Tables

50 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		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
8	12	0.60b	1.67a	3.89a	5.75a	9.06a	1.07a	2.14a	4.44a	6.30a	10.17a	0.75a	1.51a	2.96a	4.22a	6.85a
	16	0.03c	1.07b	3.27a	5.12a	8.39a	0.61a	1.71a	4.02a	5.89a	9.75a	0.39a	1.16a	2.66a	3.92a	6.58a
	24	---	---	2.13c	3.95b	7.14a	---	0.88a	3.21a	5.08a	8.93a	---	0.47a	2.06a	3.33a	6.07a
9	12	0.14c	1.12b	3.16a	4.89a	7.93a	0.69a	1.76a	4.04a	5.91a	9.76a	0.46a	1.21a	2.70a	3.96a	6.61a
	16	---	0.43c	2.46c	4.17a	7.15a	0.14b	1.23a	3.52a	5.39a	9.23a	0.02b	0.78a	2.31a	3.57a	6.28a
	24	---	---	1.19d	2.84c	5.70b	---	0.23c	2.52b	4.38a	8.19a	---	---	1.57a	2.83a	5.62a
10	12	---	0.59d	2.45c	4.03b	6.77a	0.29b	1.35a	3.56a	5.46a	9.28a	0.14b	0.89a	2.40a	3.65a	6.34a
	16	---	---	1.69d	3.23c	5.90a	---	0.73b	2.94a	4.82a	8.61a	---	0.37b	1.94a	3.19a	5.92a
	24	---	---	0.35e	1.82e	4.33c	---	---	1.78c	3.61b	7.34a	---	---	1.04c	2.29b	5.11a
12	12	---	---	1.20e	2.45d	4.59c	---	0.50c	2.51b	4.24a	8.07a	---	0.20c	1.73b	2.96a	5.68a
	16	---	---	0.41e	1.61e	3.66d	---	---	1.74d	3.42c	7.13a	---	---	1.10c	2.31b	5.08a
	24	---	---	---	0.16f	2.03e	---	---	0.35e	1.93d	5.43c	---	---	---	1.12d	3.95c
14	12	---	---	0.28f	1.23e	2.84e	---	---	1.49d	2.98d	6.26b	---	---	1.00d	2.17c	4.87b
	16	---	---	---	0.43f	1.94e	---	---	0.63e	2.06e	5.18d	---	---	0.24e	1.37d	4.09c
	24	---	---	---	---	0.40f	---	---	---	0.44f	3.29e	---	---	---	---	2.67e
16	12	---	---	---	0.39f	1.60f	---	---	0.60e	1.85e	4.55d	---	---	0.28e	1.35e	3.96d
	16	---	---	---	---	0.77f	---	---	---	0.89f	3.43e	---	---	---	0.44e	3.03e
	24	---	---	---	---	---	---	---	---	1.52f	---	---	---	v	1.39f	

50 psf Lateral Load																
Wall Height (ft)	Spacing o.c. (in)	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		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
8	12	1.21a	2.28a	4.56a	6.43a	10.40a	1.60a	2.98a	6.12a	8.72a	14.40a	0.98a*	1.72a	3.00a	4.20a	6.72a
	16	0.78a	1.89a	4.18a	6.06a	10.04a	1.16a	2.50a	5.64a	8.27a	13.94a	0.71a*	1.47a	2.79a	4.00a	6.53a
	24	---	1.12a	3.45a	5.34a	9.32a	0.30a	1.58a	4.71a	7.39a	13.05a	0.18a*	0.96a	2.37a	3.60a	6.15a
9	12	0.86a	1.95a	4.22a	6.09a	10.06a	1.23a	2.55a	5.62a	8.19a	13.77a	0.76a*	1.51a	2.82a	4.03a	6.55a
	16	0.34a	1.46a	3.75a	5.62a	9.59a	0.69a	1.97a	5.02a	7.63a	13.19a	0.43a*	1.19a	2.56a	3.78a	6.31a
	24	---	0.52b	2.84a	4.72a	8.68a	---	0.85a	3.87a	6.53a	12.06a	---	0.56a	2.04a	3.27a	5.83a
10	12	0.48a	1.58a	3.84a	5.71a	9.66a	0.82a	2.08a	5.05a	7.59a	13.03a	0.52a*	1.28a	2.63a	3.84a	6.37a
	16	---	0.99a	3.27a	5.13a	9.07a	0.19b	1.39a	4.33a	6.90a	12.32a	0.11a*	0.89a	2.30a	3.53a	6.07a
	24	---	---	2.17b	4.03a	7.94a	---	0.10b	2.99a	5.59a	10.94a	---	0.12a	1.66a	2.91a	5.48a
12	12	---	0.76b	2.94a	4.79a	8.66a	---	1.10b	3.79a	6.20a	11.25a	---	0.75a	2.17a	3.40a	5.94a
	16	---	0.01d	2.17c	4.00b	7.82a	---	0.23c	2.88b	5.29a	10.27a	---	0.21a	1.71a	2.95a	5.50a
	24	---	---	0.77d	2.53d	6.25b	---	---	1.22d	3.62c	8.45a	---	---	0.82b	2.07a	4.64a
14	12	---	---	1.92d	3.60c	7.39a	---	0.15d	2.52c	4.70b	9.21a	---	0.16b	1.65a	2.87a	5.41a
	16	---	---	1.03e	2.66d	6.32c	---	---	1.48d	3.64c	8.03b	---	---	1.04b	1.04b	4.81a
	24	---	---	---	0.97e	4.39d	---	---	---	1.75e	5.91d	---	---	---	1.12c	3.67b
16	12	---	---	0.98e	2.42d	5.67c	---	---	1.37d	3.28d	7.16b	---	---	1.06c	2.27b	4.78a
	16	---	---	0.04f	1.41e	4.50d	---	---	0.28e	2.15e	5.88d	---	---	0.32d	1.52c	4.02b
	24	---	---	---	---	2.47e	---	---	---	0.18f	3.64e	---	---	---	0.12e	2.59d

Combined Axial & Lateral Load Tables

50 psf Lateral Load											
Wall Height (ft)	Spacing o.c. (in)	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	1.52 a*	2.52 a	4.67 a	6.51 a	10.54 a	2.03 a*	3.49 a	6.78 a	9.41 a	15.14 a
	16	1.20 a*	2.21 a	4.39 a	6.24 a	10.27 a	1.69 a*	3.14 a	6.43 a	9.09 a	14.84 a
	24	0.58 a*	1.61 a	3.84 a	5.70 a	9.74 a	1.01 a*	2.43 a	5.73 a	8.45 a	14.22 a
9	12	1.26 a*	2.26 a	4.44 a	6.28 a	10.31 a	1.75 a*	3.20 a	6.48 a	9.13 a	14.87 a
	16	0.86 a*	1.88 a	4.08 a	5.93 a	9.97 a	1.32 a*	2.75 a	6.03 a	8.72 a	14.48 a
	24	0.09 a*	1.12 a	3.39 a	5.25 a	9.29 a	0.48 a*	1.86 a	5.15 a	7.90 a	13.69 a
10	12	0.97 a*	1.98 a	4.17 a	6.01 a	10.04 a	1.43 a*	2.86 a	6.13 a	8.81 a	14.56 a
	16	0.49 a*	1.51 a	3.73 a	5.58 a	9.62 a	0.91 a*	2.31 a	5.58 a	8.30 a	14.06 a
	24	---	0.59 a	2.88 a	4.74 a	8.77 a	---	1.24 a	4.50 a	7.29 a	13.08 a
12	12	0.33 a*	1.34 a	3.55 a	5.39 a	9.40 a	0.73 a*	2.10 a	5.32 a	8.04 a	13.78 a
	16	---	0.69 a	2.93 a	4.77 a	8.78 a	0.02 a*	1.33 a	4.53 a	7.30 a	13.05 a
	24	---	---	1.74 a	3.58 a	7.56 a	---	---	3.03 a	5.87 a	11.62 a
14	12	---	0.62 a	2.82 a	4.64 a	8.60 a	---	1.22 a	4.30 a	7.05 a	12.79 a
	16	---	---	2.01 b	3.82 a	7.76 a	---	0.26 b	3.29 a	6.07 a	11.78 a
	24	---	---	0.50 d	2.27 c	6.14 a	---	---	1.42 c	4.22 b	9.86 a
16	12	---	---	2.01 b	3.78 a	7.66 a	---	0.32 c	3.15 a	5.77 a	11.30 a
	16	---	---	1.03 d	2.77 c	6.57 a	---	---	1.97 c	4.60 b	10.04 a
	24	---	---	---	0.91 d	4.57 c	---	---	---	2.45 d	7.71 b

Notes:

- Allowable axial loads listed in kips (1 kip = 1000 pounds).
- Allowable axial loads determined in accordance with AISI S240-15, assuming that all axial loads pass through the geometric center of the section.
- Listed lateral pressures and axial loads have not been modified for 1/3 stress increase based on wind/earthquake or multiple transient loads.
- Allowable axial loads based on lateral and torsional bracing at a maximum spacing of 4 feet on center.
- The 5 psf live load has not been reduced for deflection checks. For 15 psf or higher wind pressure, read the note below.
 IBC 2018/ASCE 7-10: Due to the change in the model building codes, design wind pressures determined using IBC 2012/ASCE 7-10 are strength level loads (LRFD) in comparison to those determined in earlier IBC codes which were service level loads (ASD). The load/span tables that follow are based on service level (ASD) wind loads. Therefore, to properly use the load/span tables in this catalog, multiply the IBC 2012/ ASCE 7-10 design wind pressures by 0.6 (Reference section 2.4 ASCE 7-10) prior to entering the load/span tables.
 - Example:
 * ASCE 7-10 Calculated Design Wind Pressure = 25 psf (Strength level loads, LRFD).
 * Convert to service level loads (ASD) = 25 psf x 0.6 = 15 psf.
 * Use 15 psf as the Pressure Value used in this Table to determine the member span
- Any Other Building Code:** The load/span tables that follow are based on service level (ASD) wind loads. If the wind load being used meets this criterion, it does not need to be modified prior to using the tables.
- Studs are assumed to be adequately braced at a maximum spacing of L_u to develop full allowable moment, M_a .
- End supports have not been checked for web crippling. Refer to web crippling capacity tables.
- All tables are based on simple (single) span.
- Cells marked with an "*" have $h/t > 200$, thus require bearing stiffeners. Cells are left blank when $h/t > 260$.
- Cells marked with an a, b, c, d, e or f meets L/720, L/600, L/480, L/360, L/240, or L/120 respectively. Blank cells do not meet L/120.
- Stud distortional buckling moment based on assumed $K_\phi = 0$.
- Moment of inertia for deflection is optimized based on the maximum moment at service loads for the listed spans; therefore, span values may be greater than spans based on effective moment of inertia listed in section property tables.

10 psf Dead Load and 20 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	14'6"	12'7"e	10'3"e	14'6"i	12'7"i	10'3"a	14'4"	12'7"e	10'3"e	14'6"i	12'7"i	10'3"a
600S200-33	33	15'6"	13'5"e	10'11"e	15'6"i	13'5"i	10'11"a	15'0"	13'5"e	10'11"e	15'6"i	13'5"i	10'11"a
600S162-43	33	17'2"	15'6"	12'8"	17'11"i	15'6"i	12'8"i	15'7"	14'2"	12'5"	17'6"i	15'6"i	12'8"i
600S200-43	33	18'0"	16'0"	13'1"	18'6"i	16'0"i	13'1"i	16'5"	14'11"	13'0"	18'5"i	16'0"i	13'1"i
600S250-43	33	18'11"	16'5"	13'5"e	19'0"i	16'5"i	13'5"i	17'2"	15'7"	13'5"e	19'0"i	16'5"i	13'5"i
600S162-54	50	18'5"	16'9"	14'7"	20'8"i	18'9"i	16'5"i	16'9"	15'2"	13'3"	18'9"i	17'1"	14'11"i
600S200-54	50	19'4"	17'7"	15'4"	21'9"i	19'9"i	17'3"i	17'7"	16'0"	14'0"	19'9"i	17'11"	15'8"i
600S250-54	50	20'2"	18'4"	16'0"	22'8"i	20'7"i	17'10"i	18'4"	16'8"	14'7"	20'7"i	18'9"i	16'4"i
600S162-68	50	19'9"	17'11"	15'8"	22'2"i	20'2"i	17'7"i	17'11"	16'4"	14'3"	20'2"i	18'4"i	16'0"i
600S200-68	50	20'9"	18'10"	16'6"	23'4"i	21'2"i	18'6"i	18'10"	17'2"	15'0"	21'2"i	19'3"i	16'10"i
600S250-68	50	21'9"	19'9"	17'3"	24'5"i	22'3"i	19'5"i	19'9"	18'0"	15'8"	22'3"i	20'2"i	17'8"i
600S162-97	50	21'11"	19'11"	17'4"	24'7"i	22'4"i	19'6"i	19'11"	18'1"	15'9"	22'4"i	20'3"i	17'9"i
600S200-97	50	23'1"	20'11"	18'4"	25'11"i	23'6"i	20'7"i	20'11"	19'0"	16'8"	23'6"i	21'4"i	18'8"i
600S250-97	50	24'3"	22'0"	19'3"	27'2"i	24'8"i	21'7"i	22'0"	20'0"	17'6"	24'8"i	22'5"i	19'7"i
600S162-118	50	23'1"	21'0"	18'4"	25'11"i	23'7"i	20'7"i	21'0"	19'1"	16'8"	23'7"i	21'5"i	18'9"i
600S200-118	50	24'5"	22'2"	19'4"	27'5"i	24'11"i	21'9"i	22'2"	20'2"	17'7"	24'11"i	22'7"i	19'9"i
600S250-118	50	25'8"	23'4"	20'4"	28'9"i	26'2"i	22'10"i	23'4"	21'2"	18'6"	26'2"i	23'9"i	20'9"i
800S162-33	33	16'9"e	14'6"e	11'10"e	16'9"a	14'0"a	10'6"a	16'9"e	14'6"e	11'10"e	16'9"a	14'0"a	10'6"a
800S200-33	33	18'0"e	15'7"e	12'8"e	17'10"a	14'7"a	10'10"a	18'0"e	15'7"e	12'8"e	17'10"a	14'7"a	10'10"a
800S162-43	33	20'2"	17'6"	14'3"e	20'2"i	17'6"i	14'3"i	19'6"	17'6"	14'3"e	20'2"i	17'6"i	14'3"i
800S200-43	33	21'7"	18'8"	15'3"e	21'7"i	18'8"i	15'3"a	20'7"	18'8"	15'3"e	21'7"i	18'8"i	15'3"a
800S250-43	33	22'2"	19'2"e	15'8"e	22'2"i	19'2"i	15'8"a	21'5"	19'2"e	15'8"e	22'2"i	19'2"i	15'8"a
800S162-54	50	23'1"	20'11"	18'3"	25'10"i	23'5"i	19'1"i	20'11"	19'0"	16'7"	23'6"i	21'4"i	18'8"i
800S200-54	50	24'4"	22'1"	19'4"	27'3"i	24'10"i	20'5"i	22'1"	20'1"	17'6"	24'10"i	22'6"i	19'8"i
800S250-54	50	25'3"	22'11"	20'1"	28'4"i	25'7"i	20'10"i	22'11"	20'10"	18'3"	25'9"i	23'5"i	20'5"i
800S162-68	50	24'11"	22'8"	19'9"	28'0"i	25'5"i	22'2"i	22'8"	20'7"	18'0"	25'5"i	23'1"i	20'2"i
800S200-68	50	26'1"	23'9"	20'9"	29'4"i	26'8"i	23'3"i	23'9"	21'7"	18'10"	26'8"i	24'2"i	21'2"i
800S250-68	50	27'3"	24'9"	21'7"	30'7"i	27'9"i	24'3"i	24'9"	22'6"	19'8"	27'9"i	25'3"i	22'1"i
800S162-97	50	27'8"	25'2"	22'0"	31'1"i	28'3"i	24'8"i	25'2"	22'10"	20'0"	28'3"i	25'8"i	22'5"i
800S200-97	50	29'0"	26'5"	23'1"	32'7"i	29'7"i	25'11"i	26'5"	24'0"	20'11"	29'7"i	26'11"i	23'6"i
800S250-97	50	30'4"	27'7"	24'1"	34'1"i	30'11"i	27'1"i	27'7"	25'1"	21'11"	30'11"i	28'2"i	24'7"i
800S162-118	50	29'4"	26'7"	23'3"	32'11"i	29'11"i	26'1"i	26'7"	24'2"	21'2"	29'11"i	27'2"i	23'9"i
800S200-118	50	30'9"	27'11"	24'5"	34'6"i	31'5"i	27'5"i	27'11"	25'5"	22'2"	31'5"i	28'6"i	24'11"i
800S250-118	50	32'2"	29'3"	25'6"	36'1"i	32'10"i	28'8"i	29'3"	26'7"	23'2"	32'10"i	29'10"i	26'1"i
1000S162-43	33	22'4"e	19'4"e	15'10"e	22'4"a	19'4"a	15'9"a	22'4"e	19'4"e	15'10"e	22'4"a	19'4"a	15'9"a
1000S200-43	33	24'1"e	20'11"e	17'1"e	24'1"a	20'11"a	16'6"a	24'1"e	20'11"e	17'1"e	24'1"a	20'11"a	16'6"a
1000S250-43	33	24'10"e	21'6"e	17'6"e	24'10"a	21'6"a	16'9"a	24'10"e	21'6"e	17'6"e	24'10"a	21'6"a	16'9"a
1000S162-54	50	27'5"	24'10"	21'2"	30'0"i	25'11"i	21'2"i	24'10"	22'7"	19'9"	27'11"i	25'4"i	21'2"i
1000S200-54	50	28'8"	26'0"	22'9"	32'2"i	27'11"i	22'9"i	26'0"	23'8"	20'8"	29'3"i	26'7"i	22'9"i
1000S250-54	50	30'3"	27'6"	23'5"	33'1"i	28'8"i	23'5"i	27'6"	25'0"	21'10"	30'10"i	28'0"i	23'5"i
1000S162-68	50	29'8"	27'0"	23'7"	33'4"i	30'3"i	25'0"i	27'0"	24'6"	21'5"	30'3"i	27'6"i	24'0"i
1000S200-68	50	31'0"	28'2"	24'7"	34'10"i	31'8"i	26'9"i	28'2"	25'7"	22'4"	31'8"i	28'9"i	25'1"i
1000S250-68	50	32'6"	29'7"	25'10"	36'6"i	33'2"i	27'6"i	29'7"	26'10"	23'5"	33'2"i	30'2"i	26'4"i
1000S162-97	50	33'4"	30'4"	26'6"	37'5"i	34'0"i	29'9"i	30'4"	27'6"	24'1"	34'0"i	30'11"i	27'0"i
1000S200-97	50	34'10"	31'8"	27'8"	39'1"i	35'6"i	31'0"i	31'8"	28'9"	25'1"	35'6"i	32'3"i	28'2"i
1000S250-97	50	36'3"	32'11"	28'9"	40'9"i	37'0"i	32'4"i	32'11"	29'11"	26'2"	37'0"i	33'7"i	29'4"i

Floor Joist Span Tables

10 psf Dead Load and 20 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S162-118	50	35'4"	32'1"	28'0"	39'8"	36'0"	31'6"	32'1"	29'2"	25'6"	36'0"	32'9"	28'7"
1000S200-118	50	36'11"	33'7"	29'4"	41'6"	37'8"	32'11"	33'7"	30'6"	26'8"	37'8"	34'3"	29'11"
1000S250-118	50	38'6"	35'0"	30'7"	43'2"	39'3"	34'4"	35'0"	31'9"	27'9"	39'3"	35'8"	31'2"
1200S162-54	50	31'6"e	27'11"e	22'10"e	32'3"a	27'11"a	22'10"a	28'7"e	26'0"e	22'9"e	32'2"a	27'11"a	22'10"a
1200S200-54	50	32'11"e	29'11"e	24'8"e	34'11"a	30'3"a	24'8"a	29'11"e	27'2"e	23'9"e	33'7"a	30'3"a	24'8"a
1200S250-54	50	34'3"e	31'2"e	25'6"e	36'0"a	31'2"a	25'6"a	31'2"e	28'4"e	24'9"e	35'0"a	31'2"a	25'6"a
1200S162-68	50	34'3"	31'1"	27'1"	38'4"i	33'3"i	27'1"i	31'1"	28'3"	24'8"	34'11"i	31'9"i	27'1"i
1200S200-68	50	35'9"	32'5"	28'4"	40'1"i	35'9"i	29'2"i	32'5"	29'6"	25'9"	36'5"	33'1"i	28'11"i
1200S250-68	50	37'3"	33'10"	29'6"	41'9"i	36'11"i	30'1"i	33'10"	30'9"	26'10"	37'11"i	34'6"i	30'1"i
1200S162-97	50	38'10"	35'3"	30'10"	43'7"	39'7"	34'7"i	35'3"	32'0"	28'0"	39'7"	36'0"	31'5"
1200S200-97	50	40'5"	36'8"	32'1"	45'4"	41'3"	36'0"i	36'8"	33'4"	29'2"	41'3"	37'5"	32'9"
1200S250-97	50	42'0"	38'2"	33'4"	47'1"	42'10"	37'5"i	38'2"	34'8"	30'3"	42'10"	38'11"	34'0"
1200S162-118	50	41'3"	37'6"	32'9"	46'4"	42'1"	36'9"	37'6"	34'1"	29'9"	42'1"	38'3"	33'5"
1200S200-118	50	43'0"	39'1"	34'1"	48'3"	43'10"	38'4"	39'1"	35'6"	31'0"	43'10"	39'10"	34'10"
1200S250-118	50	44'8"	40'7"	35'5"	50'2"	45'7"	39'9"	40'7"	36'10"	32'2"	45'7"	41'5"	36'2"
1200S300-118	50	46'1"	41'10"	36'7"	51'9"	47'0"	41'1"	41'10"	38'0"	33'3"	47'0"	42'8"	37'4"
1200S350-118	50	48'5"	44'0"	38'5"	54'5"	49'5"	43'2"	44'0"	40'0"	34'11"	49'5"	44'11"	39'3"
1400S200-54	50	37'0"e	32'1"e	26'2"e	37'0"a	32'1"a	24'5"a	33'8"e	30'7"e	26'2"e	37'0"a	32'1"a	24'5"a
1400S250-54	50	38'6"e	33'4"e	27'2"e	38'6"a	33'2"a	24'11"a	35'0"e	31'10"e	27'2"e	38'6"a	33'2"a	24'11"a
1400S300-54	50	39'1"e	34'1"e	27'10"e	39'5"a	33'8"a	25'3"a	35'6"e	32'3"e	27'10"e	39'5"a	33'8"a	25'3"a
1400S350-54	50	41'9"e	37'11"e	31'4"e	44'2"a	36'1"a	26'10"a	37'11"e	34'6"e	30'1"e	42'7"a	36'1"a	26'10"a
1400S200-68	50	40'3"	36'7"	31'1"	44'0"i	38'1"i	31'1"i	36'7"	33'3"	29'0"	41'0"i	37'3"i	31'1"i
1400S250-68	50	41'10"	38'0"	32'3"	45'8"i	39'7"i	32'3"i	38'0"	34'7"	30'2"	42'8"i	38'10"i	32'3"i
1400S300-68	50	43'0"	39'0"	33'1"	46'9"i	40'6"i	33'1"i	39'0"	35'6"	31'0"	43'10"i	39'10"i	33'1"i
1400S350-68	50	46'1"	41'10"	36'7"	51'9"i	45'2"i	36'11"i	41'10"	38'0"	33'3"	47'0"i	42'8"i	36'11"i
1400S200-97	50	45'8"	41'6"	36'3"	51'3"	46'7"i	40'5"i	41'6"	37'8"	32'11"	46'7"	42'4"	37'0"i
1400S250-97	50	47'4"	43'0"	37'7"	53'2"	48'4"i	41'11"i	43'0"	39'1"	34'2"	48'4"	43'11"	38'4"i
1400S300-97	50	48'10"	44'4"	38'9"	54'10"	49'10"i	42'11"i	44'4"	40'4"	35'2"	49'10"	45'3"	39'6"i
1400S350-97	50	51'6"	46'9"	40'11"	57'10"	52'6"i	45'11"i	46'9"	42'6"	37'2"	52'6"	47'9"	41'8"i
1400S200-118	50	48'11"	44'5"	38'10"	54'11"	49'11"	43'7"i	44'5"	40'4"	35'3"	49'11"	45'4"	39'7"
1400S250-118	50	50'8"	46'0"	40'3"	56'11"	51'8"	45'2"i	46'0"	41'10"	36'6"	51'8"	46'11"	41'0"
1400S300-118	50	52'4"	47'7"	41'6"	58'9"	53'5"	46'8"i	47'7"	43'2"	37'9"	53'5"	48'6"	42'4"
1400S350-118	50	54'9"	49'9"	43'6"	61'6"	55'10"	48'10"	49'9"	45'3"	39'6"	55'10"	50'9"	44'4"
1600S200-68	50	44'7"e	40'1"e	32'9"e	46'3"a	40'1"a	32'9"a	40'6"e	36'10"e	32'2"e	45'6"a	40'1"a	32'9"a
1600S250-68	50	46'4"e	41'9"e	34'1"e	48'3"a	41'9"a	34'1"a	42'1"e	38'3"e	33'5"e	47'3"a	41'9"a	34'1"a
1600S300-68	50	47'6"e	42'11"e	35'1"e	49'7"a	42'11"a	35'1"a	43'2"e	39'3"e	34'3"e	48'6"a	42'11"a	35'1"a
1600S350-68	50	50'1"e	45'6"e	39'4"e	55'7"a	48'2"a	39'0"a	45'6"e	41'4"e	36'1"e	51'1"a	46'5"a	39'0"a
1600S200-97	50	50'9"	46'2"	40'4"	57'0"i	51'10"i	42'10"i	46'2"	41'11"	36'7"	51'10"	47'1"	41'1"i
1600S250-97	50	52'7"	47'9"	41'9"	59'1"i	53'8"i	44'7"i	47'9"	43'5"	37'11"	53'8"	48'9"	42'7"i
1600S300-97	50	54'2"	49'2"	43'0"	60'10"i	55'3"i	45'9"i	49'2"	44'8"	39'1"	55'3"	50'2"	43'10"i
1600S350-97	50	56'9"	51'7"	45'1"	63'9"	57'11"i	50'7"i	51'7"	46'10"	40'11"	57'11"	52'7"	45'11"i
1600S200-118	50	54'6"	49'6"	43'3"	61'2"	55'7"	48'7"i	49'6"	45'0"	39'4"	55'7"	50'6"	44'2"
1600S250-118	50	56'4"	51'2"	44'9"	63'3"	57'6"	50'3"i	51'2"	46'6"	40'8"	57'6"	52'3"	45'8"
1600S300-118	50	58'2"	52'10"	46'2"	65'3"	59'4"	51'10"i	52'10"	48'0"	41'11"	59'4"	53'11"	47'1"
1600S350-118	50	60'9"	55'2"	48'2"	68'2"	61'11"	54'2"i	55'2"	50'2"	43'10"	61'11"	56'4"	49'2"

10 psf Dead Load and 30 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	12'7"e	10'11"e	8'11"e	12'7"i	10'11"a	8'11"a	12'6"e	10'11"e	8'11"e	12'7"i	10'11"a	8'11"a
600S200-33	33	13'5"e	11'7"e	9'6"e	13'5"i	11'7"a	9'3"a	13'1"e	11'7"e	9'6"e	13'5"i	11'7"a	9'3"a
600S162-43	33	15'0"	13'5"	11'0"e	15'6"i	13'5"i	11'0"i	13'8"	12'5"	10'10"e	15'4"i	13'5"i	11'0"i
600S200-43	33	15'9"	13'10"	11'4"e	16'0"i	13'10"i	11'4"i	14'4"	13'0"	11'4"e	16'0"i	13'10"i	11'4"i
600S250-43	33	16'5"	14'3"	11'7"e	16'5"i	14'3"i	11'7"i	15'0"	13'7"	11'7"e	16'5"i	14'3"i	11'7"i
600S162-54	50	16'1"	14'7"	12'9"	18'1"	16'5"i	14'4"i	14'7"	13'3"	11'7"	16'5"i	14'11"	13'0"i
600S200-54	50	16'11"	15'4"	13'5"	19'0"	17'3"i	15'1"i	15'4"	14'0"	12'2"	17'3"i	15'8"	13'8"i
600S250-54	50	17'8"	16'0"	14'0"	19'10"i	18'0"i	15'6"i	16'0"	14'7"	12'9"	18'0"i	16'4"i	14'3"i
600S162-68	50	17'3"	15'8"	13'8"	19'4"	17'7"	15'4"i	15'8"	14'3"	12'5"	17'7"i	16'0"i	14'0"i
600S200-68	50	18'2"	16'6"	14'5"	20'4"	18'6"	16'2"i	16'6"	15'0"	13'1"	18'6"i	16'10"i	14'8"i
600S250-68	50	19'0"	17'3"	15'1"	21'4"	19'5"	16'11"i	17'3"	15'8"	13'9"	19'5"i	17'8"i	15'5"i
600S162-97	50	19'1"	17'4"	15'2"	21'6"	19'6"	17'0"i	17'4"	15'9"	13'9"	19'6"i	17'9"i	15'6"i
600S200-97	50	20'2"	18'4"	16'0"	22'7"	20'7"	17'11"i	18'4"	16'8"	14'6"	20'7"i	18'8"i	16'4"i
600S250-97	50	21'2"	19'3"	16'9"	23'9"	21'7"	18'10"i	19'3"	17'6"	15'3"	21'7"i	19'7"i	17'2"i
600S162-118	50	20'2"	18'4"	16'0"	22'8"	20'7"	18'0"i	18'4"	16'8"	14'7"	20'7"i	18'9"i	16'4"i
600S200-118	50	21'4"	19'4"	16'11"	23'11"	21'9"	19'0"i	19'4"	17'7"	15'4"	21'9"i	19'9"i	17'3"i
600S250-118	50	22'5"	20'4"	17'9"	25'2"	22'10"i	20'0"i	20'4"	18'6"	16'2"	22'10"i	20'9"i	18'2"i
600S162-33	33	12'7"e	10'11"e	8'11"e	12'7"i	10'11"a	8'11"a	12'6"e	10'11"e	8'11"e	12'7"i	10'11"a	8'11"a
600S200-33	33	13'5"e	11'7"e	9'6"e	13'5"i	11'7"a	9'3"a	13'1"e	11'7"e	9'6"e	13'5"i	11'7"a	9'3"a
600S162-43	33	15'0"	13'5"	11'0"e	15'6"i	13'5"i	11'0"i	13'8"	12'5"	10'10"e	15'4"i	13'5"i	11'0"i
600S200-43	33	15'9"	13'10"	11'4"e	16'0"i	13'10"i	11'4"i	14'4"	13'0"	11'4"e	16'0"i	13'10"i	11'4"i
600S250-43	33	16'5"	14'3"	11'7"e	16'5"i	14'3"i	11'7"i	15'0"	13'7"	11'7"e	16'5"i	14'3"i	11'7"i
600S162-54	50	16'1"	14'7"	12'9"	18'1"	16'5"i	14'4"i	14'7"	13'3"	11'7"	16'5"i	14'11"	13'0"i
600S200-54	50	16'11"	15'4"	13'5"	19'0"	17'3"i	15'1"i	15'4"	14'0"	12'2"	17'3"i	15'8"	13'8"i
600S250-54	50	17'8"	16'0"	14'0"	19'10"i	18'0"i	15'6"i	16'0"	14'7"	12'9"	18'0"i	16'4"i	14'3"i
600S162-68	50	17'3"	15'8"	13'8"	19'4"	17'7"	15'4"i	15'8"	14'3"	12'5"	17'7"i	16'0"i	14'0"i
600S200-68	50	18'2"	16'6"	14'5"	20'4"	18'6"	16'2"i	16'6"	15'0"	13'1"	18'6"i	16'10"i	14'8"i
600S250-68	50	19'0"	17'3"	15'1"	21'4"	19'5"	16'11"i	17'3"	15'8"	13'9"	19'5"i	17'8"i	15'5"i
600S162-97	50	19'1"	17'4"	15'2"	21'6"	19'6"	17'0"i	17'4"	15'9"	13'9"	19'6"i	17'9"i	15'6"i
600S200-97	50	20'2"	18'4"	16'0"	22'7"	20'7"	17'11"i	18'4"	16'8"	14'6"	20'7"i	18'8"i	16'4"i
600S250-97	50	21'2"	19'3"	16'9"	23'9"	21'7"	18'10"i	19'3"	17'6"	15'3"	21'7"i	19'7"i	17'2"i
600S162-118	50	20'2"	18'4"	16'0"	22'8"	20'7"	18'0"i	18'4"	16'8"	14'7"	20'7"i	18'9"i	16'4"i
600S200-118	50	21'4"	19'4"	16'11"	23'11"	21'9"	19'0"i	19'4"	17'7"	15'4"	21'9"i	19'9"i	17'3"i
600S250-118	50	22'5"	20'4"	17'9"	25'2"	22'10"i	20'0"i	20'4"	18'6"	16'2"	22'10"i	20'9"i	18'2"i
800S162-33	33	14'6"e	12'7"e	10'3"e	14'0"a	11'5"a	8'5"a	14'6"e	12'7"e	10'3"e	14'0"a	11'5"a	8'5"a
800S200-33	33	15'7"e	13'6"e	11'0"e	14'7"a	11'10"a	8'9"a	15'7"e	13'6"e	11'0"e	14'7"a	11'10"a	8'9"a
800S162-43	33	17'6"	15'2"e	12'4"e	17'6"i	15'2"i	12'4"a	17'0"	15'2"e	12'4"e	17'6"i	15'2"i	12'4"a
800S200-43	33	18'8"	16'2"e	13'3"e	18'8"i	16'2"i	13'3"a	18'0"	16'2"e	13'3"e	18'8"i	16'2"i	13'3"a
800S250-43	33	19'2"e	16'7"e	13'7"e	19'2"i	16'7"i	13'7"a	18'9"	16'7"e	13'7"e	19'2"i	16'7"i	13'7"a
800S162-54	50	20'2"	18'3"	16'0"	22'7"i	20'3"i	16'6"i	18'3"	16'7"	14'6"	20'6"i	18'8"i	16'4"i
800S200-54	50	21'3"	19'4"	16'10"	23'10"i	21'7"i	17'8"i	19'4"	17'6"	15'4"	21'8"i	19'8"i	17'2"i
800S250-54	50	22'1"	20'1"	17'6"	24'9"i	22'1"i	18'1"i	20'1"	18'3"	15'11"	22'6"i	20'5"i	17'10"i
800S162-68	50	21'9"	19'9"	17'3"	24'5"	22'2"i	19'5"i	19'9"	18'0"	15'8"	22'2"i	20'2"i	17'7"i
800S200-68	50	22'10"	20'9"	18'1"	25'7"i	23'3"i	20'4"i	20'9"	18'10"	16'5"	23'3"i	21'2"i	18'6"i
800S250-68	50	23'9"	21'7"	18'11"	26'9"i	24'3"i	21'2"i	21'7"	19'8"	17'2"	24'3"i	22'1"i	19'3"i
800S162-97	50	24'2"	22'0"	19'2"	27'2"i	24'8"i	21'7"i	22'0"	20'0"	17'5"	24'8"i	22'5"i	19'7"i
800S200-97	50	25'4"	23'1"	20'2"	28'6"i	25'11"i	22'7"i	23'1"	20'11"	18'4"	25'11"i	23'6"i	20'6"i
800S250-97	50	26'6"	24'1"	21'1"	29'9"i	27'1"i	23'7"i	24'1"	21'11"	19'1"	27'1"i	24'7"i	21'6"i
800S162-118	50	25'7"	23'3"	20'4"	28'9"i	26'1"i	22'10"i	23'3"	21'2"	18'5"	26'1"i	23'9"i	20'9"i
800S200-118	50	26'10"	24'5"	21'4"	30'2"i	27'5"i	23'11"i	24'5"	22'2"	19'5"	27'5"i	24'11"i	21'9"i
800S250-118	50	28'1"	25'6"	22'4"	31'7"i	28'8"i	25'1"i	25'6"	23'2"	20'3"	28'8"i	26'1"i	22'9"i
1000S162-43	33	19'4"e	16'9"e	13'8"e	19'4"a	16'9"a	12'10"a	19'4"e	16'9"e	13'8"e	19'4"a	16'9"a	12'10"a
1000S200-43	33	20'11"e	18'1"e	14'9"e	20'11"a	17'10"a	13'5"a	20'11"e	18'1"e	14'9"e	20'11"a	17'10"a	13'5"a
1000S250-43	33	21'6"e	18'7"e	15'2"e	21'6"a	18'2"a	13'7"a	21'6"e	18'7"e	15'2"e	21'6"a	18'2"a	13'7"a

Floor Joist Span Tables

10 psf Dead Load and 30 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S162-54	50	23'11"	21'9"	18'4"	25'11"	22'6"	18'4"	21'9"	19'9"	17'3"	24'5"	22'2"	18'4"
1000S200-54	50	25'0"	22'9"	19'9"	27'11"	24'2"	19'9"	22'9"	20'8"	18'1"	25'6"	23'2"	19'9"
1000S250-54	50	26'5"	24'0"	20'3"	28'8"	24'10"	20'3"	24'0"	21'10"	19'1"	26'11"	24'6"	20'3"
1000S162-68	50	25'11"	23'7"	20'7"	29'1"	26'6"	21'8"	23'7"	21'5"	18'8"	26'6"	24'0"	21'0"
1000S200-68	50	27'1"	24'7"	21'6"	30'5"	27'8"	23'2"	24'7"	22'4"	19'7"	27'8"	25'1"	21'11"
1000S250-68	50	28'5"	25'10"	22'7"	31'11"	29'0"	23'10"	25'10"	23'5"	20'6"	29'0"	26'4"	23'0"
1000S162-97	50	29'2"	26'6"	23'1"	32'8"	29'9"	26'0"	26'6"	24'1"	21'0"	29'9"	27'0"	23'7"
1000S200-97	50	30'5"	27'8"	24'2"	34'2"	31'0"	27'1"	27'8"	25'1"	21'11"	31'0"	28'2"	24'8"
1000S250-97	50	31'8"	28'9"	25'2"	35'7"	32'4"	28'3"	28'9"	26'2"	22'10"	32'4"	29'4"	25'8"
1000S162-118	50	30'10"	28'0"	24'6"	34'8"	31'6"	27'6"	28'0"	25'6"	22'3"	31'6"	28'7"	25'0"
1000S200-118	50	32'3"	29'4"	25'7"	36'3"	32'11"	28'9"	29'4"	26'8"	23'3"	32'11"	29'11"	26'1"
1000S250-118	50	33'7"	30'7"	26'8"	37'9"	34'4"	30'0"	30'7"	27'9"	24'3"	34'4"	31'2"	27'3"
1200S162-54	50	27'6"e	24'2"e	19'9"e	27'11"a	24'2"a	19'6"a	25'0"e	22'9"e	19'9"e	27'11"a	24'2"a	19'6"a
1200S200-54	50	28'9"e	26'2"e	21'4"e	30'3"a	26'2"a	20'6"a	26'2"e	23'9"e	20'9"e	29'4"a	26'2"a	20'6"a
1200S250-54	50	29'11"e	27'0"e	22'1"e	31'2"a	27'0"a	20'11"a	27'3"e	24'9"e	21'7"e	30'7"a	27'0"a	20'11"a
1200S162-68	50	29'11"	27'2"	23'6"	33'3"i	28'9"i	23'6"i	27'2"	24'8"	21'7"	30'6"i	27'9"i	23'6"i
1200S200-68	50	31'2"	28'4"	24'9"	35'0"i	30'11"i	25'3"i	28'4"	25'9"	22'6"	31'10"i	28'11"i	25'3"i
1200S250-68	50	32'6"	29'6"	25'10"	36'6"i	31'11"i	26'1"i	29'6"	26'10"	23'5"	33'2"i	30'2"i	26'1"i
1200S162-97	50	33'11"	30'10"	26'11"	38'1"	34'7"	30'2"i	30'10"	28'0"	24'5"	34'7"	31'5"	27'5"i
1200S200-97	50	35'4"	32'1"	28'0"	39'8"	36'0"	31'5"i	32'1"	29'2"	25'5"	36'0"	32'9"	28'7"i
1200S250-97	50	36'8"	33'4"	29'1"	41'2"	37'5"i	32'8"i	33'4"	30'3"	26'5"	37'5"	34'0"	29'8"i
1200S162-118	50	36'1"	32'9"	28'7"	40'6"	36'9"	32'1"	32'9"	29'9"	26'0"	36'9"	33'5"	29'2"
1200S200-118	50	37'7"	34'1"	29'10"	42'2"	38'4"	33'6"	34'1"	31'0"	27'1"	38'4"	34'10"	30'5"
1200S250-118	50	39'0"	35'5"	30'11"	43'9"	39'9"	34'9"	35'5"	32'2"	28'2"	39'9"	36'2"	31'7"
1200S300-118	50	40'3"	36'7"	31'11"	45'2"	41'1"	35'10"	36'7"	33'3"	29'0"	41'1"	37'4"	32'7"
1200S350-118	50	42'4"	38'5"	33'7"	47'6"	43'2"	37'8"	38'5"	34'11"	30'6"	43'2"	39'3"	34'3"
1400S200-54	50	32'1"e	27'9"e	22'8"e	32'1"a	26'6"a	19'10"a	29'5"e	26'8"e	22'8"e	32'1"a	26'6"a	19'10"a
1400S250-54	50	33'4"e	28'10"e	23'7"e	33'2"a	27'1"a	20'2"a	30'7"e	27'9"e	23'7"e	33'2"a	27'1"a	20'2"a
1400S300-54	50	34'1"e	29'7"e	24'2"e	33'8"a	27'6"a	20'5"a	31'0"e	28'2"e	24'2"e	33'8"a	27'6"a	20'5"a
1400S350-54	50	36'6"e	33'2"e	27'1"e	36'1"a	29'4"a	21'7"a	33'2"e	30'1"e	26'4"e	36'1"a	29'4"a	21'7"a
1400S200-68	50	35'2"	31'11"	26'11"	38'1"i	33'0"i	26'11"i	31'11"	29'0"	25'4"	35'10"i	32'7"i	26'11"i
1400S250-68	50	36'7"	33'3"	28'0"	39'7"i	34'3"i	28'0"i	33'3"	30'2"	26'4"	37'4"i	33'11"i	28'0"i
1400S300-68	50	37'6"	34'1"	28'7"	40'6"i	35'1"i	28'7"i	34'1"	31'0"	27'1"	38'3"i	34'9"i	28'7"i
1400S350-68	50	40'3"	36'7"	31'11"e	45'2"i	39'2"i	31'11"i	36'7"	33'3"	29'0"	41'1"i	37'3"i	31'11"i
1400S200-97	50	39'11"	36'3"	31'8"	44'10"	40'8"i	35'0"i	36'3"	32'11"	28'9"	40'8"	37'0"	32'4"i
1400S250-97	50	41'5"	37'7"	32'10"	46'6"	42'3"i	36'3"i	37'7"	34'2"	29'10"	42'3"	38'4"	33'6"i
1400S300-97	50	42'8"	38'9"	33'10"	47'11"	43'6"i	37'2"i	38'9"	35'2"	30'9"	43'6"	39'6"	34'6"i
1400S350-97	50	45'0"	40'11"	35'8"	50'6"	45'11"i	40'1"i	40'11"	37'2"	32'5"	45'11"	41'8"	36'5"i
1400S200-118	50	42'9"	38'10"	33'11"	48'0"	43'7"	38'1"i	38'10"	35'3"	30'10"	43'7"	39'7"	34'7"
1400S250-118	50	44'3"	40'3"	35'2"	49'8"	45'2"	39'5"i	40'3"	36'6"	31'11"	45'2"	41'0"	35'10"
1400S300-118	50	45'9"	41'6"	36'3"	51'4"	46'8"	40'9"i	41'6"	37'9"	33'0"	46'8"	42'4"	37'0"
1400S350-118	50	47'10"	43'6"	38'0"	53'9"	48'10"	42'8"i	43'6"	39'6"	34'6"	48'10"	44'4"	38'9"
1600S200-68	50	38'11"e	34'8"e	28'4"e	40'1"a	34'8"a	28'4"a	35'5"e	32'2"e	28'1"e	39'9"a	34'8"a	28'4"a
1600S250-68	50	40'6"e	36'2"e	29'6"e	41'9"a	36'2"a	29'3"a	36'9"e	33'5"e	29'2"e	41'4"a	36'2"a	29'3"a
1600S300-68	50	41'6"e	37'2"e	30'4"e	42'11"a	37'2"a	29'9"a	37'9"e	34'3"e	29'11"e	42'4"a	37'2"a	29'9"a
1600S350-68	50	43'9"e	39'9"e	34'0"e	48'2"a	41'8"a	31'10"a	39'9"e	36'1"e	31'7"e	44'7"a	40'6"a	31'10"a
1600S200-97	50	44'4"	40'4"	35'3"	49'10"i	45'3"i	37'1"i	40'4"	36'7"	32'0"	45'3"	41'1"i	35'11"i
1600S250-97	50	45'11"	41'9"	36'6"	51'7"i	46'10"i	38'7"i	41'9"	37'11"	33'2"	46'10"	42'7"i	37'2"i
1600S300-97	50	47'4"	43'0"	37'7"	53'1"i	48'3"i	39'8"i	43'0"	39'1"	34'1"	48'3"	43'10"i	38'4"i
1600S350-97	50	49'7"	45'1"	39'4"	55'8"i	50'7"i	43'10"i	45'1"	40'11"	35'9"	50'7"	45'11"i	40'2"i
1600S200-118	50	47'7"	43'3"	37'9"	53'5"	48'7"	42'5"i	43'3"	39'4"	34'4"	48'7"	44'2"	38'7"i
1600S250-118	50	49'3"	44'9"	39'1"	55'3"	50'3"	43'10"i	44'9"	40'8"	35'6"	50'3"	45'8"	39'10"i
1600S300-118	50	50'9"	46'2"	40'4"	57'0"	51'10"i	45'3"i	46'2"	41'11"	36'7"	51'10"	47'1"	41'1"i
1600S350-118	50	53'1"	48'2"	42'1"	59'7"	54'2"	47'3"i	48'2"	43'10"	38'3"	54'2"	49'2"	43'0"i

10 psf Dead Load and 40 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	11'3"e	9'9"e	7'11"e	11'3"i	9'9"a	7'7"a	11'3"e	9'9"e	7'11"e	11'3"i	9'9"a	7'7"a
600S200-33	33	12'0"e	10'5"e	8'6"e	12'0"a	10'5"a	7'11"a	11'11"e	10'5"e	8'6"e	12'0"a	10'5"a	7'11"a
600S162-43	33	13'8"	12'0"e	9'10"e	13'11"i	12'0"i	9'10"a	12'5"	11'3"	9'10"e	13'11"i	12'0"i	9'10"a
600S200-43	33	14'4"	12'5"e	10'2"e	14'4"i	12'5"i	10'2"a	13'0"	11'10"	10'2"e	14'4"i	12'5"i	10'2"a
600S250-43	33	14'8"	12'9"e	10'5"e	14'8"i	12'9"i	10'5"a	13'7"	12'4"e	10'5"e	14'8"i	12'9"i	10'5"a
600S162-54	50	14'7"	13'3"	11'7"	16'5"i	14'11"i	13'0"i	13'3"	12'1"	10'7"	14'11"i	13'7"i	11'10"i
600S200-54	50	15'4"	14'0"	12'2"	17'3"i	15'8"i	13'6"i	14'0"	12'8"	11'1"	15'8"	14'3"i	12'5"i
600S250-54	50	16'0"	14'7"	12'9"	18'0"i	16'4"i	13'10"i	14'7"	13'3"	11'7"	16'4"	14'10"i	13'0"i
600S162-68	50	15'8"	14'3"	12'5"	17'7"	16'0"	14'0"i	14'3"	12'11"	11'4"	16'0"	14'6"	12'8"
600S200-68	50	16'6"	15'0"	13'1"	18'6"	16'10"	14'8"i	15'0"	13'7"	11'11"	16'10"	15'3"	13'4"
600S250-68	50	17'3"	15'8"	13'9"	19'5"	17'8"i	15'5"i	15'8"	14'3"	12'6"	17'8"	16'0"	14'0"i
600S162-97	50	17'4"	15'9"	13'9"	19'6"	17'9"	15'6"	15'9"	14'4"	12'6"	17'9"	16'1"	14'1"
600S200-97	50	18'4"	16'8"	14'6"	20'7"	18'8"	16'4"	16'8"	15'1"	13'2"	18'8"	17'0"	14'10"
600S250-97	50	19'3"	17'6"	15'3"	21'7"	19'7"	17'2"	17'6"	15'10"	13'10"	19'7"	17'10"	15'7"
600S162-118	50	18'4"	16'8"	14'7"	20'7"	18'9"	16'4"	16'8"	15'2"	13'3"	18'9"	17'0"	14'10"
600S200-118	50	19'4"	17'7"	15'4"	21'9"	19'9"	17'3"	17'7"	16'0"	14'0"	19'9"	17'11"	15'8"
600S250-118	50	20'4"	18'6"	16'2"	22'10"	20'9"	18'2"	18'6"	16'10"	14'8"	20'9"	18'10"	16'6"
800S162-33	33	13'0"e	11'3"e	9'2"e	11'11"a	9'8"a	7'1"a	13'0"e	11'3"e	9'2"e	11'11"a	9'8"a	7'1"a
800S200-33	33	13'11"e	12'1"e	9'6"e	12'5"a	10'0"a	7'3"a	13'11"e	12'1"e	9'6"e	12'5"a	10'0"a	7'3"a
800S162-43	33	15'8"e	13'6"e	11'1"e	15'8"i	13'6"a	11'1"a	15'5"e	13'6"e	11'1"e	15'8"i	13'6"a	11'1"a
800S200-43	33	16'9"e	14'6"e	11'10"e	16'9"i	14'6"a	11'9"a	16'4"e	14'6"e	11'10"e	16'9"i	14'6"a	11'9"a
800S250-43	33	17'2"e	14'10"e	12'2"e	17'2"i	14'10"a	12'0"a	17'0"e	14'10"e	12'2"e	17'2"i	14'10"a	12'0"a
800S162-54	50	18'3"	16'7"	14'6"	20'6"i	18'1"i	14'10"i	16'7"	15'1"	13'2"	18'8"i	16'11"i	14'10"i
800S200-54	50	19'4"	17'6"	15'4"	21'8"i	19'4"i	15'9"i	17'6"	15'11"	13'11"	19'8"i	17'11"i	15'7"i
800S250-54	50	20'1"	18'3"	15'11"	22'6"i	19'9"i	16'2"i	18'3"	16'7"	14'6"	20'5"i	18'7"i	16'2"i
800S162-68	50	19'9"	18'0"	15'8"	22'2"i	20'2"i	17'4"i	18'0"	16'4"	14'3"	20'2"	18'4"	16'0"i
800S200-68	50	20'9"	18'10"	16'5"	23'3"	21'2"i	18'6"i	18'10"	17'1"	14'11"	21'2"	19'2"	16'9"i
800S250-68	50	21'7"	19'8"	17'2"	24'3"i	22'1"i	18'11"i	19'8"	17'10"	15'7"	22'1"	20'0"i	17'6"i
800S162-97	50	22'0"	20'0"	17'5"	24'8"	22'5"	19'7"	20'0"	18'2"	15'10"	22'5"	20'4"	17'10"
800S200-97	50	23'1"	20'11"	18'4"	25'11"	23'6"	20'6"	20'11"	19'0"	16'7"	23'6"	21'4"	18'8"
800S250-97	50	24'1"	21'11"	19'1"	27'1"	24'7"	21'6"	21'11"	19'11"	17'4"	24'7"	22'4"	19'6"
800S162-118	50	23'3"	21'2"	18'5"	26'1"	23'9"	20'9"	21'2"	19'2"	16'9"	23'9"	21'7"	18'10"
800S200-118	50	24'5"	22'2"	19'5"	27'5"	24'11"	21'9"	22'2"	20'2"	17'7"	24'11"	22'8"	19'9"
800S250-118	50	25'6"	23'2"	20'3"	28'8"	26'1"	22'9"	23'2"	21'1"	18'5"	26'1"	23'8"	20'8"
1000S162-43	33	17'4"e	15'0"e	12'3"e	17'4"a	14'8"a	10'11"a	17'4"e	15'0"e	12'3"e	17'4"a	14'8"a	10'11"a
1000S200-43	33	18'8"e	16'2"e	13'2"e	18'8"a	15'4"a	11'4"a	18'8"e	16'2"e	13'2"e	18'8"a	15'4"a	11'4"a
1000S250-43	33	19'3"e	16'8"e	13'7"e	19'0"a	15'7"a	11'6"a	19'3"e	16'8"e	13'7"e	19'0"a	15'7"a	11'6"a
1000S162-54	50	21'9"	19'9"	16'5"	23'2"i	20'1"i	16'5"i	19'9"	17'11"	15'8"	22'2"i	20'1"i	16'5"i
1000S200-54	50	22'9"	20'8"	17'8"e	24'11"i	21'7"i	17'8"i	20'8"	18'9"	16'5"	23'2"i	21'1"i	17'8"i
1000S250-54	50	24'0"	21'10"	18'1"e	25'7"i	22'2"i	18'1"i	21'10"	19'10"	17'4"e	24'6"i	22'2"i	18'1"i
1000S162-68	50	23'7"	21'5"	18'8"	26'6"i	23'9"i	19'5"i	21'5"	19'5"	17'0"	24'0"i	21'10"i	19'1"i
1000S200-68	50	24'7"	22'4"	19'7"	27'8"i	25'1"i	20'9"i	22'4"	20'4"	17'9"	25'1"i	22'10"i	19'11"i
1000S250-68	50	25'10"	23'5"	20'6"	29'0"i	26'1"i	21'4"i	23'5"	21'4"	18'7"	26'4"i	23'11"i	20'11"i
1000S162-97	50	26'6"	24'1"	21'0"	29'9"	27'0"	23'7"i	24'1"	21'10"	19'1"	27'0"	24'6"	21'5"
1000S200-97	50	27'8"	25'1"	21'11"	31'0"	28'2"	24'8"i	25'1"	22'10"	19'11"	28'2"	25'7"	22'5"
1000S250-97	50	28'9"	26'2"	22'10"	32'4"	29'4"	25'8"i	26'2"	23'9"	20'9"	29'4"	26'8"	23'4"

Floor Joist Span Tables

10 psf Dead Load and 40 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S162-118	50	28'0"	25'6"	22'3"	31'6"	28'7"	25'0"	25'6"	23'2"	20'3"	28'7"	26'0"	22'8"
1000S200-118	50	29'4"	26'8"	23'3"	32'11"	29'11"	26'1"	26'8"	24'2"	21'2"	29'11"	27'2"	23'9"
1000S250-118	50	30'7"	27'9"	24'3"	34'4"	31'2"	27'3"	27'9"	25'3"	22'0"	31'2"	28'4"	24'9"
1200S162-54	50	25'0"e	21'8"e	17'8"e	25'0"a	21'8"a	16'9"a	22'9"e	20'8"e	17'8"e	25'0"a	21'8"a	16'9"a
1200S200-54	50	26'2"e	23'5"e	19'1"e	27'0"a	23'3"a	17'6"a	23'9"e	21'7"e	18'10"e	26'8"a	23'3"a	17'6"a
1200S250-54	50	27'3"e	24'2"e	19'9"e	27'11"a	23'9"a	17'10"a	24'9"e	22'6"e	19'7"e	27'9"a	23'9"a	17'10"a
1200S162-68	50	27'2"	24'8"	21'0"	29'8"i	25'9"i	21'0"i	24'8"	22'5"	19'7"	27'9"i	25'2"i	21'0"i
1200S200-68	50	28'4"	25'9"	22'6"	31'10"i	27'8"i	22'7"i	25'9"	23'5"	20'5"	28'11"i	26'3"i	22'7"i
1200S250-68	50	29'6"	26'10"	23'4"	33'0"i	28'7"i	23'4"i	26'10"	24'5"	21'4"	30'2"i	27'4"i	23'4"i
1200S162-97	50	30'10"	28'0"	24'5"	34'7"	31'5"i	27'3"i	28'0"	25'5"	22'3"	31'5"	28'7"	24'11"i
1200S200-97	50	32'1"	29'2"	25'5"	36'0"	32'9"i	28'7"i	29'2"	26'6"	23'1"	32'9"	29'9"	26'0"i
1200S250-97	50	33'4"	30'3"	26'5"	37'5"	34'0"i	29'8"i	30'3"	27'6"	24'0"	34'0"	30'11"	27'0"i
1200S162-118	50	32'9"	29'9"	26'0"	36'9"	33'5"	29'2"i	29'9"	27'0"	23'7"	33'5"	30'4"	26'6"
1200S200-118	50	34'1"	31'0"	27'1"	38'4"	34'10"	30'5"i	31'0"	28'2"	24'7"	34'10"	31'7"	27'7"
1200S250-118	50	35'5"	32'2"	28'2"	39'9"	36'2"	31'7"i	32'2"	29'3"	25'7"	36'2"	32'10"	28'8"
1200S300-118	50	36'7"	33'3"	29'0"	41'1"	37'4"	32'7"i	33'3"	30'2"	26'4"	37'4"	33'11"	29'7"
1200S350-118	50	38'5"	34'11"	30'6"	43'2"	39'3"	34'3"i	34'11"	31'9"	27'9"	39'3"	35'8"	31'1"
1400S200-54	50	28'8"e	24'10"e	20'3"e	27'9"a	22'8"a	16'9"a	26'8"e	24'3"e	20'3"e	27'9"a	22'8"a	16'9"a
1400S250-54	50	29'10"e	25'10"e	21'1"e	28'5"a	23'1"a	17'0"a	27'9"e	25'3"e	21'1"e	28'5"a	23'1"a	17'0"a
1400S300-54	50	30'6"e	26'5"e	21'7"e	28'9"a	23'5"a	17'3"a	28'2"e	25'7"e	21'7"e	28'9"a	23'5"a	17'3"a
1400S350-54	50	33'2"e	29'9"e	23'6"e	30'9"a	24'10"a	18'1"a	30'1"e	27'4"e	23'6"e	30'9"a	24'10"a	18'1"a
1400S200-68	50	31'11"	29'0"	24'1"e	34'1"i	29'6"i	24'1"i	29'0"	26'4"	23'0"	32'7"i	29'6"i	24'1"i
1400S250-68	50	33'3"	30'2"	25'0"e	35'4"i	30'8"i	25'0"i	30'2"	27'5"	24'0"	33'11"i	30'8"i	25'0"i
1400S300-68	50	34'1"	31'0"	25'7"e	36'2"i	31'4"i	25'7"i	31'0"	28'2"	24'7"e	34'9"i	31'4"i	25'7"i
1400S350-68	50	36'7"	33'3"	28'7"e	40'5"i	35'0"i	27'9"i	33'3"	30'2"	26'4"e	37'3"i	33'11"i	27'9"i
1400S200-97	50	36'3"	32'11"	28'9"	40'8"i	37'0"i	31'4"i	32'11"	29'11"	26'2"	37'0"	33'7"i	29'4"i
1400S250-97	50	37'7"	34'2"	29'10"	42'3"i	38'4"i	32'6"i	34'2"	31'0"	27'1"	38'4"	34'10"i	30'5"i
1400S300-97	50	38'9"	35'2"	30'9"	43'6"i	39'6"i	33'3"i	35'2"	32'0"	27'11"	39'6"	35'11"i	31'4"i
1400S350-97	50	40'11"	37'2"	32'5"	45'11"i	41'8"i	36'5"i	37'2"	33'9"	29'6"	41'8"	37'11"i	33'1"i
1400S200-118	50	38'10"	35'3"	30'10"	43'7"	39'7"	34'7"i	35'3"	32'0"	28'0"	39'7"	36'0"	31'5"
1400S250-118	50	40'3"	36'6"	31'11"	45'2"	41'0"	35'10"i	36'6"	33'2"	29'0"	41'0"	37'3"	32'7"
1400S300-118	50	41'6"	37'9"	33'0"	46'8"	42'4"	37'0"i	37'9"	34'3"	29'11"	42'4"	38'6"	33'8"i
1400S350-118	50	43'6"	39'6"	34'6"	48'10"	44'4"	38'9"i	39'6"	35'11"	31'4"	44'4"	40'4"	35'2"
1600S200-68	50	35'5"e	31'0"e	25'4"e	35'10"a	31'0"a	24'5"a	32'2"e	29'2"e	25'4"e	35'10"a	31'0"a	24'5"a
1600S250-68	50	36'9"e	32'4"e	26'5"e	37'4"a	32'4"a	25'1"a	33'5"e	30'4"e	26'5"e	37'4"a	32'4"a	25'1"a
1600S300-68	50	37'9"e	33'3"e	27'2"e	38'5"a	33'3"a	25'5"a	34'3"e	31'2"e	27'2"e	38'5"a	33'3"a	25'5"a
1600S350-68	50	39'9"e	36'1"e	30'5"e	43'1"a	36'3"a	27'1"a	36'1"e	32'10"e	28'8"e	40'6"a	36'3"a	27'1"a
1600S200-97	50	40'4"	36'7"	32'0"	45'3"i	40'8"i	33'2"i	36'7"	33'3"	29'1"	41'1"	37'4"i	32'8"i
1600S250-97	50	41'9"	37'11"	33'2"	46'10"i	42'3"i	34'6"i	37'11"	34'6"	30'1"	42'7"	38'8"i	33'10"i
1600S300-97	50	43'0"	39'1"	34'1"	48'3"i	43'5"i	35'5"i	39'1"	35'6"	31'0"	43'10"	39'10"i	34'10"i
1600S350-97	50	45'1"	40'11"	35'9"	50'7"i	45'11"i	39'2"i	40'11"	37'2"	32'6"	45'11"	41'9"i	36'6"i
1600S200-118	50	43'3"	39'4"	34'4"	48'7"	44'2"i	38'6"i	39'4"	35'9"	31'2"	44'2"	40'1"	35'0"i
1600S250-118	50	44'9"	40'8"	35'6"	50'3"	45'8"i	39'10"i	40'8"	36'11"	32'3"	45'8"	41'6"	36'3"i
1600S300-118	50	46'2"	41'11"	36'7"	51'10"	47'1"i	41'1"i	41'11"	38'1"	33'3"	47'1"	42'9"	37'4"i
1600S350-118	50	48'2"	43'10"	38'3"	54'2"	49'2"i	43'0"i	43'10"	39'10"	34'9"	49'2"	44'8"	39'0"i

10 psf Dead Load and 50 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	10'3"e	8'11"e	7'3"e	10'3"a	8'11"a	6'8"a	10'3"e	8'11"e	7'3"e	10'3"a	8'11"a	6'8"a
600S200-33	33	10'11"e	9'6"e	7'9"e	10'11"a	9'3"a	6'11"a	10'11"e	9'6"e	7'9"e	10'11"a	9'3"a	6'11"a
600S162-43	33	12'8"	11'0"e	9'0"e	12'8"i	11'0"i	9'0"a	11'6"	10'5"e	9'0"e	12'8"i	11'0"i	9'0"a
600S200-43	33	13'1"	11'4"e	9'3"e	13'1"i	11'4"i	9'3"a	12'1"	11'0"e	9'3"e	13'1"i	11'4"i	9'3"a
600S250-43	33	13'5"e	11'7"e	9'6"e	13'5"i	11'7"i	9'6"a	12'8"	11'6"e	9'6"e	13'5"i	11'7"i	9'6"a
600S162-54	50	13'7"	12'4"	10'9"	15'3"i	13'10"i	12'0"i	12'4"	11'2"	9'9"	13'10"	12'7"i	11'0"i
600S200-54	50	14'3"	13'0"	11'4"	16'0"i	14'7"i	12'4"i	13'0"	11'9"	10'3"	14'7"	13'3"i	11'7"i
600S250-54	50	14'11"	13'6"	11'10"	16'8"i	15'2"i	12'8"i	13'6"	12'3"	10'9"	15'2"i	13'9"i	12'1"i
600S162-68	50	14'7"	13'3"	11'7"	16'4"	14'10"	13'0"i	13'3"	12'0"	10'6"	14'10"	13'6"	11'9"i
600S200-68	50	15'4"	13'11"	12'2"	17'2"	15'7"	13'8"i	13'11"	12'8"	11'0"	15'7"	14'2"	12'5"i
600S250-68	50	16'1"	14'7"	12'9"	18'0"	16'4"i	14'4"i	14'7"	13'3"	11'7"	16'4"	14'10"	13'0"i
600S162-97	50	16'2"	14'8"	12'10"	18'1"	16'5"	14'4"	14'8"	13'4"	11'8"	16'5"	14'11"	13'1"
600S200-97	50	17'0"	15'5"	13'6"	19'1"	17'4"	15'2"	15'5"	14'0"	12'3"	17'4"	15'9"	13'9"
600S250-97	50	17'10"	16'3"	14'2"	20'0"	18'2"	15'11"	16'3"	14'9"	12'10"	18'2"	16'6"	14'5"
600S162-118	50	17'0"	15'6"	13'6"	19'1"	17'5"	15'2"	15'6"	14'1"	12'3"	17'5"	15'9"	13'9"
600S200-118	50	18'0"	16'4"	14'3"	20'2"	18'4"	16'0"	16'4"	14'10"	13'0"	18'4"	16'8"	14'7"
600S250-118	50	18'11"	17'2"	15'0"	21'3"	19'3"	16'10"	17'2"	15'7"	13'7"	19'3"	17'6"	15'4"
800S162-33	33	11'10"e	10'3"e	7'11"e	10'6"a	8'5"a	6'2"a	11'10"e	10'3"e	7'11"e	10'6"a	8'5"a	6'2"a
800S200-33	33	12'8"e	11'0"e	7'11"e	10'10"a	8'9"a	6'4"a	12'8"e	11'0"e	7'11"e	10'10"a	8'9"a	6'4"a
800S162-43	33	14'3"e	12'4"e	10'1"e	14'3"i	12'4"a	10'0"a	14'3"e	12'4"e	10'1"e	14'3"i	12'4"a	10'0"a
800S200-43	33	15'3"e	13'3"e	10'10"e	15'3"a	13'3"a	10'5"a	15'2"e	13'3"e	10'10"e	15'3"a	13'3"a	10'5"a
800S250-43	33	15'8"e	13'7"e	11'1"e	15'8"a	13'7"a	10'6"a	15'8"e	13'7"e	11'1"e	15'8"a	13'7"a	10'6"a
800S162-54	50	17'0"	15'5"	13'6"	19'1"i	16'6"i	13'6"i	15'5"	14'0"	12'3"	17'4"i	15'9"i	13'6"i
800S200-54	50	17'11"	16'3"	14'3"	20'1"i	17'8"i	14'5"i	16'3"	14'9"	12'11"	18'3"i	16'7"i	14'5"i
800S250-54	50	18'7"	16'11"	14'9"e	20'10"i	18'1"i	14'9"i	16'11"	15'4"	13'5"	19'0"i	17'3"i	14'9"i
800S162-68	50	18'4"	16'8"	14'7"	20'7"i	18'9"i	15'10"i	16'8"	15'2"	13'3"	18'9"	17'0"i	14'10"i
800S200-68	50	19'3"	17'6"	15'3"	21'7"i	19'7"i	17'2"i	17'6"	15'11"	13'10"	19'7"	17'10"i	15'7"i
800S250-68	50	20'1"	18'3"	15'11"	22'6"i	20'6"i	17'3"i	18'3"	16'7"	14'6"	20'6"	18'7"i	16'3"i
800S162-97	50	20'5"	18'6"	16'2"	22'11"	20'10"	18'2"i	18'6"	16'10"	14'9"	20'10"	18'11"	16'6"
800S200-97	50	21'5"	19'5"	17'0"	24'0"	21'10"	19'1"	19'5"	17'8"	15'5"	21'10"	19'10"	17'4"
800S250-97	50	22'4"	20'4"	17'9"	25'1"	22'10"	19'11"i	20'4"	18'5"	16'1"	22'10"	20'9"	18'1"
800S162-118	50	21'7"	19'7"	17'2"	24'3"	22'0"	19'3"	19'7"	17'10"	15'7"	22'0"	20'0"	17'6"
800S200-118	50	22'8"	20'7"	18'0"	25'5"	23'1"	20'2"	20'7"	18'8"	16'4"	23'1"	21'0"	18'4"
800S250-118	50	23'8"	21'6"	18'10"	26'7"	24'2"	21'2"	21'6"	19'7"	17'1"	24'2"	22'0"	19'2"
1000S162-43	33	15'10"e	13'8"e	11'2"e	15'9"a	12'10"a	9'7"a	15'10"e	13'8"e	11'2"e	15'9"a	12'10"a	9'7"a
1000S200-43	33	17'1"e	14'9"e	12'1"e	16'6"a	13'5"a	9'11"a	17'1"e	14'9"e	12'1"e	16'6"a	13'5"a	9'11"a
1000S250-43	33	17'6"e	15'2"e	12'5"e	16'9"a	13'7"a	10'1"a	17'6"e	15'2"e	12'5"e	16'9"a	13'7"a	10'1"a
1000S162-54	50	20'2"	18'4"	15'0"e	21'2"i	18'4"i	15'0"i	18'4"	16'8"	14'7"e	20'7"i	18'4"i	15'0"i
1000S200-54	50	21'1"	19'2"	16'1"e	22'9"i	19'9"i	15'10"i	19'2"	17'5"	15'3"e	21'6"i	19'7"i	15'10"i
1000S250-54	50	22'3"	20'3"	16'6"e	23'5"i	20'3"i	16'1"i	20'3"	18'5"	16'1"e	22'9"i	20'3"i	16'1"i
1000S162-68	50	21'11"	19'11"	17'4"	24'7"i	21'8"i	17'8"i	19'11"	18'1"	15'9"	22'4"i	20'3"i	17'8"i
1000S200-68	50	22'10"	20'9"	18'2"	25'8"i	23'2"i	18'11"i	20'9"	18'10"	16'6"	23'4"i	21'2"i	18'6"i
1000S250-68	50	24'0"	21'9"	19'0"	26'11"i	23'10"i	19'6"i	21'9"	19'9"	17'3"	24'5"i	22'3"i	19'5"i
1000S162-97	50	24'7"	22'4"	19'6"	27'7"	25'1"	21'11"i	22'4"	20'3"	17'9"	25'1"	22'9"	19'11"i
1000S200-97	50	25'8"	23'4"	20'4"	28'10"	26'2"	22'10"i	23'4"	21'2"	18'6"	26'2"	23'9"	20'9"i
1000S250-97	50	26'9"	24'3"	21'3"	30'0"	27'3"	23'10"i	24'3"	22'1"	19'3"	27'3"	24'9"	21'8"i

Floor Joist Span Tables

10 psf Dead Load and 50 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S162-118	50	26' 0"	23' 8"	20' 8"	29' 3"	26' 7"	23' 2"	23' 8"	21' 6"	18' 9"	26' 7"	24' 1"	21' 1"
1000S200-118	50	27' 3"	24' 9"	21' 7"	30' 7"	27' 9"	24' 3"	24' 9"	22' 6"	19' 7"	27' 9"	25' 3"	22' 0"
1000S250-118	50	28' 4"	25' 9"	22' 6"	31' 10"	28' 11"	25' 3"	25' 9"	23' 5"	20' 5"	28' 11"	26' 3"	22' 11"
1200S162-54	50	22' 10"e	19' 9"e	16' 1"e	22' 10"a	19' 6"a	14' 8"a	21' 1"e	19' 2"e	16' 1"e	22' 10"a	19' 6"a	14' 8"a
1200S200-54	50	24' 3"e	21' 4"e	17' 5"e	24' 8"a	20' 6"a	15' 4"a	22' 0"e	20' 0"e	17' 5"e	24' 8"a	20' 6"a	15' 4"a
1200S250-54	50	25' 3"e	22' 1"e	18' 0"e	25' 6"a	20' 11"a	15' 7"a	22' 11"e	20' 10"e	18' 0"e	25' 6"a	20' 11"a	15' 7"a
1200S162-68	50	25' 3"	22' 11"	19' 2"	27' 1"i	23' 6"i	19' 2"i	22' 11"	20' 10"	18' 2"	25' 9"i	23' 5"i	19' 2"i
1200S200-68	50	26' 4"	23' 11"	20' 8"e	29' 2"i	25' 3"i	20' 8"i	23' 11"	21' 9"	19' 0"	26' 10"i	24' 5"i	20' 8"i
1200S250-68	50	27' 5"	24' 11"	21' 4"e	30' 1"i	26' 1"i	21' 4"i	24' 11"	22' 8"	19' 9"	28' 0"i	25' 5"i	21' 4"i
1200S162-97	50	28' 7"	26' 0"	22' 8"	32' 1"i	29' 2"i	24' 11"i	26' 0"	23' 7"	20' 7"	29' 2"	26' 6"	23' 2"i
1200S200-97	50	29' 9"	27' 1"	23' 8"	33' 5"i	30' 4"i	26' 6"i	27' 1"	24' 7"	21' 6"	30' 4"	27' 7"	24' 1"i
1200S250-97	50	30' 11"	28' 1"	24' 7"	34' 9"i	31' 7"i	27' 5"i	28' 1"	25' 6"	22' 4"	31' 7"	28' 8"	25' 0"i
1200S162-118	50	30' 5"	27' 7"	24' 2"	34' 2"	31' 0"	27' 1"i	27' 7"	25' 1"	21' 11"	31' 0"	28' 2"	24' 7"
1200S200-118	50	31' 8"	28' 9"	25' 2"	35' 7"	32' 4"	28' 3"i	28' 9"	26' 2"	22' 10"	32' 4"	29' 4"	25' 8"
1200S250-118	50	32' 11"	29' 11"	26' 1"	36' 11"	33' 7"	29' 4"i	29' 11"	27' 2"	23' 9"	33' 7"	30' 6"	26' 8"
1200S300-118	50	33' 11"	30' 10"	26' 11"	38' 1"	34' 7"	30' 3"i	30' 10"	28' 0"	24' 6"	34' 7"	31' 5"	27' 6"
1200S350-118	50	35' 8"	32' 5"	28' 4"	40' 1"	36' 5"	31' 10"i	32' 5"	29' 6"	25' 9"	36' 5"	33' 1"	28' 11"
1400S200-54	50	26' 2"e	22' 8"e	18' 6"e	24' 5"a	19' 10"a	14' 7"a	24' 9"e	22' 6"e	18' 6"e	24' 5"a	19' 10"a	14' 7"a
1400S250-54	50	27' 2"e	23' 7"e	19' 3"e	24' 11"a	20' 2"a	14' 10"a	25' 9"e	23' 5"e	19' 3"e	24' 11"a	20' 2"a	14' 10"a
1400S300-54	50	27' 10"e	24' 2"e	19' 7"e	25' 3"a	20' 5"a	14' 11"a	26' 2"e	23' 9"e	19' 7"e	25' 3"a	20' 5"a	14' 11"a
1400S350-54	50	30' 9"e	27' 1"e	19' 7"e	26' 10"a	21' 7"a	15' 8"a	27' 11"e	25' 5"e	19' 7"e	26' 10"a	21' 7"a	15' 8"a
1400S200-68	50	29' 8"	26' 11"	22' 0"e	31' 1"i	26' 11"i	22' 0"i	26' 11"	24' 6"	21' 5"e	30' 3"i	26' 11"i	22' 0"i
1400S250-68	50	30' 10"	28' 0"	22' 10"e	32' 3"i	28' 0"i	22' 6"i	28' 0"	25' 6"	22' 3"e	31' 6"i	28' 0"i	22' 6"i
1400S300-68	50	31' 8"	28' 7"	23' 4"e	33' 1"i	28' 7"i	22' 10"i	28' 9"	26' 2"	22' 10"e	32' 4"i	28' 7"i	22' 10"i
1400S350-68	50	33' 11"	30' 10"e	26' 1"e	36' 11"i	31' 11"i	24' 5"a	30' 10"	28' 0"	24' 6"e	34' 7"i	31' 5"i	24' 5"a
1400S200-97	50	33' 8"	30' 7"	26' 9"	37' 9"i	34' 4"i	28' 7"i	30' 7"	27' 9"	24' 3"	34' 4"	31' 2"i	27' 3"i
1400S250-97	50	34' 11"	31' 9"	27' 8"	39' 2"i	35' 7"i	29' 8"i	31' 9"	28' 10"	25' 2"	35' 7"	32' 4"i	28' 3"i
1400S300-97	50	36' 0"	32' 8"	28' 7"	40' 5"i	36' 8"i	30' 4"i	32' 8"	29' 8"	25' 11"	36' 8"	33' 4"i	29' 1"i
1400S350-97	50	37' 11"	34' 6"	30' 1"	42' 7"i	38' 8"i	33' 5"i	34' 6"	31' 4"	27' 4"	38' 8"	35' 2"i	30' 9"i
1400S200-118	50	36' 0"	32' 9"	28' 7"	40' 5"	36' 9"i	32' 1"i	32' 9"	29' 9"	26' 0"	36' 9"	33' 5"	29' 2"i
1400S250-118	50	37' 4"	33' 11"	29' 8"	41' 11"	38' 1"i	33' 3"i	33' 11"	30' 10"	26' 11"	38' 1"	34' 7"	30' 3"i
1400S300-118	50	38' 7"	35' 0"	30' 7"	43' 3"	39' 4"i	34' 4"i	35' 0"	31' 10"	27' 10"	39' 4"	35' 9"	31' 3"i
1400S350-118	50	40' 4"	36' 8"	32' 0"	45' 4"	41' 2"	36' 0"i	36' 8"	33' 4"	29' 1"	41' 2"	37' 5"	32' 8"i
1600S200-68	50	32' 9"e	28' 4"e	23' 2"e	32' 9"a	28' 4"a	21' 6"a	29' 10"e	27' 1"e	23' 2"e	32' 9"a	28' 4"a	21' 6"a
1600S250-68	50	34' 1"e	29' 6"e	24' 1"e	34' 1"a	29' 3"a	22' 0"a	31' 0"e	28' 2"e	24' 1"e	34' 1"a	29' 3"a	22' 0"a
1600S300-68	50	35' 0"e	30' 4"e	24' 9"e	35' 1"a	29' 9"a	22' 4"a	31' 10"e	28' 11"e	24' 9"e	35' 1"a	29' 9"a	22' 4"a
1600S350-68	50	36' 11"e	33' 6"e	27' 10"e	39' 0"a	31' 10"a	23' 8"a	33' 6"e	30' 5"e	26' 7"e	37' 8"a	31' 10"a	23' 8"a
1600S200-97	50	37' 5"	34' 0"	29' 8"	42' 0"i	37' 1"i	30' 3"i	34' 0"	30' 11"	27' 0"	38' 2"i	34' 8"i	30' 3"i
1600S250-97	50	38' 9"	35' 3"	30' 9"	43' 6"i	38' 7"i	31' 6"i	35' 3"	32' 0"	27' 11"	39' 6"i	35' 11"i	31' 5"i
1600S300-97	50	39' 11"	36' 3"	31' 8"	44' 10"i	39' 8"i	32' 4"i	36' 3"	32' 11"	28' 9"	40' 8"i	37' 0"i	32' 4"i
1600S350-97	50	41' 10"	38' 0"	33' 2"	46' 11"i	42' 8"i	35' 9"i	38' 0"	34' 6"	30' 2"	42' 8"i	38' 9"i	33' 10"i
1600S200-118	50	40' 2"	36' 6"	31' 10"	45' 1"	41' 0"i	35' 1"i	36' 6"	33' 2"	29' 0"	41' 0"	37' 3"	32' 6"i
1600S250-118	50	41' 6"	37' 9"	33' 0"	46' 7"	42' 4"i	36' 6"i	37' 9"	34' 3"	29' 11"	42' 4"	38' 6"	33' 7"i
1600S300-118	50	42' 10"	38' 11"	34' 0"	48' 1"i	43' 8"i	37' 6"i	38' 11"	35' 4"	30' 11"	43' 8"	39' 8"	34' 8"i
1600S350-118	50	44' 9"	40' 8"	35' 6"	50' 3"	45' 8"i	39' 11"i	40' 8"	36' 11"	32' 3"	45' 8"	41' 6"	36' 3"i

15 psf Dead Load and 125 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	6'9"e	5'10"e	4'7"e	6'0"a	4'10"a	3'6"a	6'9"e	5'10"e	4'7"e	6'0"a	4'10"a	3'6"a
600S200-33	33	7'2"e	6'2"e	4'7"e	6'2"a	5'0"a	3'7"a	7'2"e	6'2"e	4'7"e	6'2"a	5'0"a	3'7"a
600S162-43	33	8'4"e	7'2"e	5'10"e	8'4"a	7'2"a	5'9"a	8'4"e	7'2"e	5'10"e	8'4"a	7'2"a	5'9"a
600S200-43	33	8'7"e	7'5"e	6'1"e	8'7"a	7'5"a	5'11"a	8'7"e	7'5"e	6'1"e	8'7"a	7'5"a	5'11"a
600S250-43	33	8'9"e	7'7"e	6'3"e	8'9"a	7'7"a	6'0"a	8'9"e	7'7"e	6'3"e	8'9"a	7'7"a	6'0"a
600S162-54	50	10'0"	9'1"	7'10"e	11'1"i	9'7"i	7'10"a	9'1"	8'3"	7'3"e	10'2"i	9'3"i	7'10"a
600S200-54	50	10'6"	9'7"	8'1"e	11'5"i	9'11"i	8'1"a	9'7"	8'8"	7'7"e	10'9"i	9'9"i	8'1"a
600S250-54	50	11'0"	9'11"e	8'3"e	11'8"i	10'2"i	8'3"a	9'11"	9'1"	7'11"e	11'2"i	10'2"i	8'3"a
600S162-68	50	10'9"	9'9"	8'6"	12'0"i	10'11"i	9'3"i	9'9"	8'10"	7'9"	10'11"i	9'11"i	8'8"i
600S200-68	50	11'3"	10'3"	8'11"	12'8"i	11'6"i	9'9"i	10'3"	9'4"	8'2"	11'6"i	10'5"i	9'2"i
600S250-68	50	11'10"	10'9"	9'5"	13'3"i	11'10"i	9'8"i	10'9"	9'9"	8'6"	12'1"i	10'11"i	9'7"i
600S162-97	50	11'11"	10'10"	9'5"	13'4"	12'1"	10'7"i	10'10"	9'10"	8'7"	12'1"	11'0"	9'7"i
600S200-97	50	12'6"	11'4"	9'11"	14'1"	12'9"	11'2"i	11'4"	10'4"	9'0"	12'9"	11'7"	10'2"i
600S250-97	50	13'2"	11'11"	10'5"	14'9"	13'5"i	11'9"i	11'11"	10'10"	9'6"	13'5"	12'2"	10'8"i
600S162-118	50	12'7"	11'5"	10'0"	14'1"	12'10"	11'2"	11'5"	10'4"	9'1"	12'10"	11'8"	10'2"
600S200-118	50	13'3"	12'0"	10'6"	14'10"	13'6"	11'10"	12'0"	10'11"	9'7"	13'6"	12'3"	10'9"
600S250-118	50	13'11"	12'8"	11'1"	15'8"	14'2"	12'5"	12'8"	11'6"	10'0"	14'2"	12'11"	11'3"
800S162-33	33	6'9"e	5'1"e	3'5"e	5'5"a	4'1"a	2'8"a	6'9"e	5'1"e	3'5"e	5'5"a	4'1"a	2'8"a
800S162-43	33	9'4"e	8'1"e	6'7"e	9'0"a	7'4"a	5'5"a	9'4"e	8'1"e	6'7"e	9'0"a	7'4"a	5'5"a
800S200-43	33	10'0"e	8'8"e	7'1"e	9'4"a	7'6"a	5'7"a	10'0"e	8'8"e	7'1"e	9'4"a	7'6"a	5'7"a
800S250-43	33	10'3"e	8'11"e	7'3"e	9'6"a	7'8"a	5'8"a	10'3"e	8'11"e	7'3"e	9'6"a	7'8"a	5'8"a
800S162-54	50	12'6"e	10'10"e	8'10"e	12'6"i	10'10"i	8'8"a	11'4"	10'4"e	8'10"e	12'6"i	10'10"i	8'8"a
800S200-54	50	13'2"e	11'7"e	9'5"e	13'4"i	11'7"a	9'0"a	12'0"	10'11"e	9'5"e	13'4"i	11'7"a	9'0"a
800S250-54	50	13'8"e	11'10"e	9'8"e	13'8"i	11'10"a	9'1"a	12'6"	11'4"e	9'8"e	13'8"i	11'10"a	9'1"a
800S162-68	50	13'6"	12'3"	10'4"e	14'8"i	12'8"i	10'4"i	12'3"	11'2"	9'9"e	13'10"i	12'6"i	10'4"i
800S200-68	50	14'2"	12'11"	11'3"e	15'11"i	14'0"i	11'5"a	12'11"	11'8"	10'3"e	14'5"i	13'2"i	11'5"a
800S250-68	50	14'9"	13'5"	11'4"e	16'0"i	13'10"i	11'4"a	13'5"	12'2"	10'8"e	15'1"i	13'8"i	11'4"a
800S162-97	50	15'0"	13'8"	11'11"	16'11"i	15'4"i	13'1"i	13'8"	12'5"	10'10"	15'4"	13'11"i	12'2"i
800S200-97	50	15'9"	14'4"	12'6"	17'8"i	16'1"i	14'1"i	14'4"	13'0"	11'4"	16'1"i	14'7"i	12'9"i
800S250-97	50	16'6"	15'0"	13'1"	18'6"i	16'10"i	14'8"i	15'0"	13'7"	11'11"	16'10"	15'3"i	13'4"i
800S162-118	50	15'11"	14'5"	12'7"	17'10"	16'3"	14'2"i	14'5"	13'2"	11'6"	16'3"	14'9"	12'11"
800S200-118	50	16'8"	15'2"	13'3"	18'9"	17'0"	14'11"i	15'2"	13'9"	12'0"	17'0"	15'6"	13'6"
800S250-118	50	17'6"	15'10"	13'10"	19'7"	17'10"	15'7"i	15'10"	14'5"	12'7"	17'10"	16'2"	14'2"i
1000S162-43	33	10'4"e	8'11"e	6'0"e	8'6"a	6'9"a	4'9"a	10'4"e	8'11"e	6'0"e	8'6"a	6'9"a	4'9"a
1000S200-43	33	11'2"e	8'11"e	6'0"e	8'10"a	7'0"a	4'9"a	11'2"e	8'11"e	6'0"e	8'10"a	7'0"a	4'9"a
1000S250-43	33	11'6"e	8'11"e	6'0"e	8'11"a	7'1"a	4'9"a	11'6"e	8'11"e	6'0"e	8'11"a	7'1"a	4'9"a
1000S162-54	50	13'10"e	12'0"e	9'10"e	13'7"i	11'2"a	8'3"a	13'6"e	12'0"e	9'10"e	13'7"i	11'2"a	8'3"a
1000S200-54	50	14'11"e	12'11"e	10'6"e	14'3"a	11'7"a	8'6"a	14'2"e	12'10"e	10'6"e	14'3"a	11'7"a	8'6"a
1000S250-54	50	15'4"e	13'3"e	10'10"e	14'6"a	11'9"a	8'8"a	14'11"e	13'3"e	10'10"e	14'6"a	11'9"a	8'8"a
1000S162-68	50	16'1"	14'2"e	11'7"e	16'5"i	14'2"i	11'7"a	14'8"	13'4"	11'7"e	16'5"i	14'2"i	11'7"a
1000S200-68	50	16'10"	15'2"e	12'5"e	17'6"i	15'2"i	12'5"a	15'4"	13'11"e	12'2"e	17'2"i	15'2"i	12'5"a
1000S250-68	50	17'8"	15'7"e	12'9"e	18'0"i	15'7"i	12'9"a	16'0"	14'7"e	12'9"e	18'0"i	15'7"i	12'9"a
1000S162-97	50	18'1"	16'5"	14'4"	20'4"i	18'2"i	14'10"i	16'5"	14'11"	13'1"	18'6"i	16'9"i	14'8"i
1000S200-97	50	18'11"	17'2"	15'0"	21'3"i	19'3"i	15'10"i	17'2"	15'7"	13'8"	19'3"i	17'6"i	15'4"i
1000S250-97	50	19'8"	17'11"	15'8"	22'1"i	20'1"i	16'11"i	17'11"	16'3"	14'2"	20'1"i	18'3"i	15'11"i

Floor Joist Span Tables

15 psf Dead Load and 125 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S162-118	50	19'2"	17'5"	15'3"	21'6"i	19'7"i	16'11"i	17'5"	15'10"	13'10"	19'7"	17'9"	15'6"i
1000S200-118	50	20'1"	18'3"	15'11"	22'6"	20'5"i	17'10"i	18'3"	16'7"	14'6"	20'5"	18'7"	16'3"i
1000S250-118	50	20'11"	19'0"	16'7"	23'5"	21'4"i	18'7"i	19'0"	17'3"	15'1"	21'4"	19'4"	16'11"i
1200S162-54	50	14'11"e	12'11"e	9'10"e	13'2"a	10'7"a	7'8"a	14'11"e	12'11"e	9'10"e	13'2"a	10'7"a	7'8"a
1200S200-54	50	16'2"e	14'0"e	9'10"e	13'8"a	11'0"a	7'10"a	16'2"e	14'0"e	9'10"e	13'8"a	11'0"a	7'10"a
1200S250-54	50	16'8"e	14'5"e	9'10"e	13'10"a	11'1"a	7'10"a	16'8"e	14'5"e	9'10"e	13'10"a	11'1"a	7'10"a
1200S162-68	50	17'9"e	15'4"e	12'7"e	17'9"i	15'4"i	11'11"a	16'11"	15'4"e	12'7"e	17'9"i	15'4"i	11'11"a
1200S200-68	50	19'1"e	16'6"e	13'6"e	19'1"i	16'6"a	12'6"a	17'7"	16'0"e	13'6"e	19'1"i	16'6"a	12'6"a
1200S250-68	50	19'9"e	17'1"e	13'11"e	19'9"i	16'10"a	12'8"a	18'4"e	16'8"e	13'11"e	19'9"i	16'10"a	12'8"a
1200S162-97	50	21'1"	19'2"	16'3"	23'0"i	19'11"i	16'3"i	19'2"	17'5"	15'2"	21'6"i	19'6"i	16'3"i
1200S200-97	50	21'11"	19'11"	17'5"e	24'7"i	21'4"i	17'5"i	19'11"	18'1"	15'10"	22'4"i	20'4"i	17'5"i
1200S250-97	50	22'9"	20'8"	18'0"e	25'5"i	22'0"i	18'0"i	20'8"	18'10"	16'5"	23'3"i	21'1"i	18'0"i
1200S162-118	50	22'5"	20'4"	17'9"	25'2"i	22'10"i	18'9"i	20'4"	18'6"	16'2"	22'10"	20'9"i	18'2"i
1200S200-118	50	23'4"	21'2"	18'6"	26'2"i	23'10"i	19'11"i	21'2"	19'3"	16'10"	23'10"	21'8"i	18'11"i
1200S250-118	50	24'3"	22'0"	19'3"	27'3"i	24'9"i	20'8"i	22'0"	20'0"	17'6"	24'9"	22'6"i	19'7"i
1200S300-118	50	25'0"	22'9"	19'10"	28'1"i	25'6"i	21'11"i	22'9"	20'8"	18'0"	25'6"	23'2"i	20'3"i
1200S350-118	50	26'4"	23'11"	20'10"	29'6"i	26'10"i	23'5"i	23'11"	21'8"	19'0"	26'10"	24'4"i	21'3"i
1400S200-54	50	16'10"e	12'7"e	8'5"e	12'11"a	10'1"a	6'9"a	16'10"e	12'7"e	8'5"e	12'11"a	10'1"a	6'9"a
1400S250-54	50	16'10"e	12'7"e	8'5"e	13'1"a	10'1"a	6'9"a	16'10"e	12'7"e	8'5"e	13'1"a	10'1"a	6'9"a
1400S300-54	50	16'10"e	12'7"e	8'5"e	13'2"a	10'1"a	6'9"a	16'10"e	12'7"e	8'5"e	13'2"a	10'1"a	6'9"a
1400S350-54	50	16'10"e	12'7"e	8'5"e	13'5"a	10'1"a	6'9"a	16'10"e	12'7"e	8'5"e	13'5"a	10'1"a	6'9"a
1400S200-68	50	20'4"e	17'8"e	14'5"e	19'9"i	16'2"a	12'0"a	19'10"e	17'8"e	14'5"e	19'9"i	16'2"a	12'0"a
1400S250-68	50	21'2"e	18'4"e	14'11"e	20'3"a	16'6"a	12'2"a	20'8"e	18'4"e	14'11"e	20'3"a	16'6"a	12'2"a
1400S300-68	50	21'8"e	18'9"e	15'4"e	20'6"a	16'8"a	12'4"a	21'2"e	18'9"e	15'4"e	20'6"a	16'8"a	12'4"a
1400S350-68	50	24'2"e	20'11"e	16'11"e	21'10"a	17'8"a	12'11"a	22'9"e	20'8"e	16'11"e	21'10"a	17'8"a	12'11"a
1400S200-97	50	24'10"	22'6"	18'9"e	26'6"i	22'11"i	18'9"i	22'6"	20'6"	17'11"e	25'4"i	22'11"i	18'9"i
1400S250-97	50	25'9"	23'4"	19'5"e	27'5"i	23'9"i	19'5"i	23'4"	21'3"	18'7"e	26'3"i	23'9"i	19'5"i
1400S300-97	50	26'6"	24'1"	19'10"e	28'1"i	24'4"i	19'10"i	24'1"	21'11"	19'1"e	27'0"i	24'4"i	19'10"i
1400S350-97	50	28'0"	25'5"e	21'11"e	31'0"i	26'10"i	21'11"i	25'5"	23'1"	20'2"e	28'6"i	25'11"i	21'11"i
1400S200-118	50	26'7"	24'1"	21'1"	29'10"i	26'5"i	21'7"i	24'1"	21'11"	19'2"	27'1"i	24'7"i	21'6"i
1400S250-118	50	27'6"	25'0"	21'10"	30'11"i	27'5"i	22'5"i	25'0"	22'8"	19'10"	28'1"i	25'6"i	22'3"i
1400S300-118	50	28'5"	25'10"	22'7"	31'11"i	28'1"i	22'11"i	25'10"	23'5"	20'6"	29'0"i	26'4"i	22'11"i
1400S350-118	50	29'9"	27'0"	23'7"	33'5"i	30'4"i	25'11"i	27'0"	24'7"	21'5"	30'4"i	27'7"i	24'1"i
1600S200-68	50	21'5"e	18'7"e	14'9"e	19'3"a	15'6"a	11'4"a	21'5"e	18'7"e	14'9"e	19'3"a	15'6"a	11'4"a
1600S250-68	50	22'4"e	19'4"e	14'9"e	19'8"a	15'10"a	11'6"a	22'4"e	19'4"e	14'9"e	19'8"a	15'10"a	11'6"a
1600S300-68	50	22'11"e	19'10"e	14'9"e	19'11"a	16'1"a	11'8"a	22'11"e	19'10"e	14'9"e	19'11"a	16'1"a	11'8"a
1600S350-68	50	25'9"e	22'1"e	14'9"e	21'1"a	16'11"a	11'9"a	24'8"e	22'1"e	14'9"e	21'1"a	16'11"a	11'9"a
1600S200-97	50	27'7"	24'3"e	19'10"e	28'0"i	24'3"i	19'10"i	25'1"	22'9"	19'10"e	28'0"i	24'3"i	19'10"i
1600S250-97	50	28'7"	25'3"e	20'8"e	29'2"i	25'3"i	20'8"i	25'11"	23'7"	20'7"e	29'2"i	25'3"i	20'8"i
1600S300-97	50	29'5"	25'11"e	21'2"e	29'11"i	25'11"i	21'2"i	26'9"	24'3"e	21'2"e	29'11"i	25'11"i	21'2"i
1600S350-97	50	30'10"	28'0"e	23'5"e	33'2"i	28'8"a	23'5"a	28'0"	25'5"e	22'3"e	31'5"i	28'7"a	23'5"a
1600S200-118	50	29'7"	26'11"	23'0"	32'6"i	28'2"i	23'0"i	26'11"	24'5"	21'4"	30'2"i	27'5"i	23'0"i
1600S250-118	50	30'7"	27'10"	23'11"e	33'10"i	29'3"i	23'11"i	27'10"	25'3"	22'1"	31'3"i	28'4"i	23'11"i
1600S300-118	50	31'7"	28'8"	24'7"e	34'9"i	30'1"i	24'7"i	28'8"	26'1"	22'9"	32'2"i	29'3"i	24'7"i
1600S350-118	50	33'0"	30'0"	26'2"e	37'0"i	33'0"i	26'11"i	30'0"	27'3"	23'9"e	33'8"i	30'7"i	26'8"i

40 psf Dead Load and 125 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	6'2"e	5'4"e	3'10"e	5'3"a	4'3"a	3'1"a	6'2"e	5'4"e	3'10"e	5'3"a	4'3"a	3'1"a
600S200-33	33	6'7"e	5'9"e	3'10"e	5'6"a	4'4"a	3'1"a	6'7"e	5'9"e	3'10"e	5'6"a	4'4"a	3'1"a
600S162-43	33	7'8"e	6'7"e	5'5"e	7'8"a	6'7"a	5'2"a	7'8"e	6'7"e	5'5"e	7'8"a	6'7"a	5'2"a
600S200-43	33	7'11"e	6'10"e	5'7"e	7'11"a	6'10"a	5'3"a	7'11"e	6'10"e	5'7"e	7'11"a	6'10"a	5'3"a
600S250-43	33	8'1"e	7'0"e	5'9"e	8'1"a	7'0"a	5'4"a	8'1"e	7'0"e	5'9"e	8'1"a	7'0"a	5'4"a
600S162-54	50	10'0"	8'10"e	7'3"e	10'3"i	8'10"i	7'3"a	9'1"	8'3"	7'3"e	10'2"i	8'10"i	7'3"a
600S200-54	50	10'6"	9'1"e	7'5"e	10'6"i	9'1"i	7'5"a	9'7"	8'8"e	7'5"e	10'6"i	9'1"i	7'5"a
600S250-54	50	10'9"	9'4"e	7'7"e	10'9"i	9'4"i	7'7"a	9'11"	9'1"e	7'7"e	10'9"i	9'4"i	7'7"a
600S162-68	50	10'9"	9'9"	8'6"e	12'0"i	10'5"i	8'6"i	9'9"	8'10"	7'9"	10'11"i	9'11"i	8'6"i
600S200-68	50	11'3"	10'3"	8'11"e	12'8"i	11'0"i	8'11"i	10'3"	9'4"	8'2"	11'6"i	10'5"i	8'11"i
600S250-68	50	11'10"	10'9"	8'11"e	12'7"i	10'11"i	8'11"i	10'9"	9'9"	8'6"e	12'1"i	10'11"i	8'11"i
600S162-97	50	11'11"	10'10"	9'5"	13'4"i	12'1"i	10'7"i	10'10"	9'10"	8'7"	12'1"i	11'0"i	9'7"i
600S200-97	50	12'6"	11'4"	9'11"	14'1"i	12'9"i	11'2"i	11'4"	10'4"	9'0"	12'9"i	11'7"i	10'2"i
600S250-97	50	13'2"	11'11"	10'5"	14'9"i	13'5"i	11'7"i	11'11"	10'10"	9'6"	13'5"i	12'2"i	10'8"i
600S162-118	50	12'7"	11'5"	10'0"	14'1"i	12'10"i	11'2"i	11'5"	10'4"	9'1"	12'10"i	11'8"i	10'2"i
600S200-118	50	13'3"	12'0"	10'6"	14'10"i	13'6"i	11'10"i	12'0"	10'11"	9'7"	13'6"i	12'3"i	10'9"i
600S250-118	50	13'11"	12'8"	11'1"	15'8"i	14'2"i	12'5"i	12'8"	11'6"	10'0"	14'2"i	12'11"i	11'3"i
800S162-33	33	5'9"e	4'4"e	2'10"e	4'7"a	3'5"a	2'4"a	5'9"e	4'4"e	2'10"e	4'7"a	3'5"a	2'4"a
800S200-33	33	5'9"e	4'4"e	2'10"e	4'7"a	3'5"a	2'4"a	5'9"e	4'4"e	2'10"e	4'7"a	3'5"a	2'4"a
800S162-43	33	8'7"e	7'5"e	6'1"e	8'0"a	6'5"a	4'9"a	8'7"e	7'5"e	6'1"e	8'0"a	6'5"a	4'9"a
800S200-43	33	9'3"e	8'0"e	6'4"e	8'3"a	6'8"a	4'11"a	9'3"e	8'0"e	6'4"e	8'3"a	6'8"a	4'11"a
800S250-43	33	9'5"e	8'2"e	6'4"e	8'5"a	6'9"a	4'11"a	9'5"e	8'2"e	6'4"e	8'5"a	6'9"a	4'11"a
800S162-54	50	11'6"e	10'0"e	8'2"e	11'6"i	10'0"a	7'8"a	11'4"e	10'0"e	8'2"e	11'6"i	10'0"a	7'8"a
800S200-54	50	12'3"e	10'8"e	8'8"e	12'3"i	10'8"a	8'0"a	12'0"e	10'8"e	8'8"e	12'3"i	10'8"a	8'0"a
800S250-54	50	12'7"e	10'11"e	8'11"e	12'7"a	10'9"a	8'1"a	12'6"e	10'11"e	8'11"e	12'7"a	10'9"a	8'1"a
800S162-68	50	13'6"	11'8"	9'7"e	13'6"i	11'8"i	9'7"a	12'3"	11'2"	9'7"e	13'6"i	11'8"i	9'7"a
800S200-68	50	14'2"	12'11"e	10'6"e	14'10"i	12'11"i	10'6"a	12'11"	11'8"	10'3"e	14'5"i	12'11"i	10'6"a
800S250-68	50	14'9"	12'9"e	10'5"e	14'9"i	12'9"i	10'5"a	13'5"	12'2"e	10'5"e	14'9"i	12'9"i	10'5"a
800S162-97	50	15'0"	13'8"	11'11"	16'11"i	14'9"i	12'1"i	13'8"	12'5"	10'10"	15'4"i	13'11"i	12'1"i
800S200-97	50	15'9"	14'4"	12'6"	17'8"i	16'1"i	13'6"i	14'4"	13'0"	11'4"	16'1"i	14'7"i	12'9"i
800S250-97	50	16'6"	15'0"	13'1"	18'6"i	16'10"i	13'9"i	15'0"	13'7"	11'11"	16'10"i	15'3"i	13'4"i
800S162-118	50	15'11"	14'5"	12'7"	17'10"i	16'3"i	14'2"i	14'5"	13'2"	11'6"	16'3"i	14'9"i	12'11"i
800S200-118	50	16'8"	15'2"	13'3"	18'9"i	17'0"i	14'11"i	15'2"	13'9"	12'0"	17'0"i	15'6"i	13'6"i
800S250-118	50	17'6"	15'10"	13'10"	19'7"i	17'10"i	15'7"i	15'10"	14'5"	12'7"	17'10"i	16'2"i	14'2"i
1000S162-43	33	9'6"e	7'7"e	5'1"e	7'6"a	5'11"a	4'1"a	9'6"e	7'7"e	5'1"e	7'6"a	5'11"a	4'1"a
1000S200-43	33	10'2"e	7'7"e	5'1"e	7'9"a	6'1"a	4'1"a	10'2"e	7'7"e	5'1"e	7'9"a	6'1"a	4'1"a
1000S250-43	33	10'2"e	7'7"e	5'1"e	7'10"a	6'1"a	4'1"a	10'2"e	7'7"e	5'1"e	7'10"a	6'1"a	4'1"a
1000S162-54	50	12'9"e	11'1"e	9'0"e	12'2"a	9'11"a	7'4"a	12'9"e	11'1"e	9'0"e	12'2"a	9'11"a	7'4"a
1000S200-54	50	13'9"e	11'11"e	9'8"e	12'8"a	10'3"a	7'6"a	13'9"e	11'11"e	9'8"e	12'8"a	10'3"a	7'6"a
1000S250-54	50	14'1"e	12'3"e	10'0"e	12'10"a	10'5"a	7'7"a	14'1"e	12'3"e	10'0"e	12'10"a	10'5"a	7'7"a
1000S162-68	50	15'1"	13'1"e	10'8"e	15'1"i	13'1"i	10'8"a	14'8"	13'1"e	10'8"e	15'1"i	13'1"i	10'8"a
1000S200-68	50	16'2"e	14'0"e	11'5"e	16'2"i	14'0"a	11'5"a	15'4"	13'11"e	11'5"e	16'2"i	14'0"a	11'5"a
1000S250-68	50	16'7"e	14'4"e	11'9"e	16'7"i	14'4"a	11'7"a	16'0"e	14'4"e	11'9"e	16'7"i	14'4"a	11'7"a
1000S162-97	50	18'1"	16'5"	13'8"	19'4"i	16'9"i	13'8"i	16'5"	14'11"	13'1"	18'6"i	16'9"i	13'8"i
1000S200-97	50	18'11"	17'2"	14'7"	20'7"i	17'10"i	14'7"i	17'2"	15'7"	13'8"	19'3"i	17'6"i	14'7"i
1000S250-97	50	19'8"	17'11"	15'7"e	22'0"i	19'1"i	15'7"i	17'11"	16'3"	14'2"	20'1"i	18'3"i	15'7"i

Floor Joist Span Tables

40 psf Dead Load and 125 psf Live Load

Wall Height (ft)	F _y (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)			Single Span Spacing o.c. (in)			Two Equal Spans Spacing o.c. (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S162-118	50	19'2"	17'5"	15'3"	21'6"i	19'1"i	15'7"i	17'5"	15'10"	13'10"	19'7"i	17'9"i	15'6"i
1000S200-118	50	20'1"	18'3"	15'11"	22'6"i	20'3"i	16'7"i	18'3"	16'7"	14'6"	20'5"i	18'7"i	16'3"i
1000S250-118	50	20'11"	19'0"	16'7"	23'5"i	21'4"i	18'0"i	19'0"	17'3"	15'1"	21'4"	19'4"i	16'11"i
1200S162-54	50	13'9"e	11'11"e	8'4"e	11'7"a	9'4"a	6'8"a	13'9"e	11'11"e	8'4"e	11'7"a	9'4"a	6'8"a
1200S200-54	50	14'11"e	12'6"e	8'4"e	12'1"a	9'8"a	6'8"a	14'11"e	12'6"e	8'4"e	12'1"a	9'8"a	6'8"a
1200S250-54	50	15'4"e	12'6"e	8'4"e	12'3"a	9'9"a	6'8"a	15'4"e	12'6"e	8'4"e	12'3"a	9'9"a	6'8"a
1200S162-68	50	16'4"e	14'2"e	11'7"e	16'4"i	14'1"a	10'7"a	16'4"e	14'2"e	11'7"e	16'4"i	14'1"a	10'7"a
1200S200-68	50	17'7"e	15'3"e	12'5"e	17'7"i	14'9"a	11'1"a	17'7"e	15'3"e	12'5"e	17'7"i	14'9"a	11'1"a
1200S250-68	50	18'2"e	15'9"e	12'10"e	18'2"a	15'1"a	11'3"a	18'2"e	15'9"e	12'10"e	18'2"a	15'1"a	11'3"a
1200S162-97	50	21'1"	18'4"	15'0"e	21'3"i	18'4"i	15'0"i	19'2"	17'5"	15'0"e	21'3"i	18'4"i	15'0"i
1200S200-97	50	21'11"	19'7"	16'0"e	22'8"i	19'7"i	16'0"i	19'11"	18'1"	15'10"e	22'4"i	19'7"i	16'0"i
1200S250-97	50	22'9"	20'3"	16'7"e	23'5"i	20'3"i	16'7"i	20'8"	18'10"	16'5"e	23'3"i	20'3"i	16'7"i
1200S162-118	50	22'5"	20'4"	17'3"	24'5"i	21'2"i	17'3"i	20'4"	18'6"	16'2"	22'10"i	20'9"i	17'3"i
1200S200-118	50	23'4"	21'2"	18'4"	26'0"i	22'6"i	18'4"i	21'2"	19'3"	16'10"	23'10"i	21'8"i	18'4"i
1200S250-118	50	24'3"	22'0"	19'0"	26'10"i	23'3"i	19'0"i	22'0"	20'0"	17'6"	24'9"i	22'6"i	19'0"i
1200S300-118	50	25'0"	22'9"	19'10"	28'1"i	24'9"i	20'2"i	22'9"	20'8"	18'0"	25'6"i	23'2"i	20'2"i
1200S350-118	50	26'4"	23'11"	20'10"e	29'6"i	26'10"i	22'0"i	23'11"	21'8"	19'0"	26'10"i	24'4"i	21'3"i
1400S200-54	50	14'3"e	10'8"e	7'2"e	11'3"a	8'7"a	5'8"a	14'3"e	10'8"e	7'2"e	11'3"a	8'7"a	5'8"a
1400S250-54	50	14'3"e	10'8"e	7'2"e	11'5"a	8'7"a	5'8"a	14'3"e	10'8"e	7'2"e	11'5"a	8'7"a	5'8"a
1400S300-54	50	14'3"e	10'8"e	7'2"e	11'5"a	8'7"a	5'8"a	14'3"e	10'8"e	7'2"e	11'5"a	8'7"a	5'8"a
1400S350-54	50	14'3"e	10'8"e	7'2"e	11'5"a	8'7"a	5'8"a	14'3"e	10'8"e	7'2"e	11'5"a	8'7"a	5'8"a
1400S200-68	50	18'9"e	16'3"e	13'3"e	17'8"a	14'4"a	10'7"a	18'9"e	16'3"e	13'3"e	17'8"a	14'4"a	10'7"a
1400S250-68	50	19'6"e	16'10"e	13'9"e	18'0"a	14'7"a	10'9"a	19'6"e	16'10"e	13'9"e	18'0"a	14'7"a	10'9"a
1400S300-68	50	19'11"e	17'3"e	14'1"e	18'3"a	14'9"a	10'10"a	19'11"e	17'3"e	14'1"e	18'3"a	14'9"a	10'10"a
1400S350-68	50	22'3"e	19'3"e	14'4"e	19'4"a	15'7"a	11'4"a	22'3"e	19'3"e	14'4"e	19'4"a	15'7"a	11'4"a
1400S200-97	50	24'5"	21'1"e	17'3"e	24'5"i	21'1"i	17'3"i	22'6"	20'6"	17'3"e	24'5"i	21'1"i	17'3"i
1400S250-97	50	25'3"	21'11"e	17'10"e	25'3"i	21'11"i	17'10"i	23'4"	21'3"e	17'10"e	25'3"i	21'11"i	17'10"i
1400S300-97	50	25'10"	22'5"e	18'3"e	25'10"i	22'5"i	18'3"i	24'1"	21'11"e	18'3"e	25'10"i	22'5"i	18'3"i
1400S350-97	50	28'0"e	24'8"e	20'2"e	28'6"i	24'8"i	20'2"i	25'5"	23'1"e	20'2"e	28'6"i	24'8"i	20'2"i
1400S200-118	50	26'7"	24'1"	19'11"	28'1"i	24'4"i	19'11"i	24'1"	21'11"	19'2"	27'1"i	24'4"i	19'11"i
1400S250-118	50	27'6"	25'0"	20'7"e	29'2"i	25'3"i	20'7"i	25'0"	22'8"	19'10"	28'1"i	25'3"i	20'7"i
1400S300-118	50	28'5"	25'10"	21'2"e	29'11"i	25'10"i	21'2"i	25'10"	23'5"	20'6"e	29'0"i	25'10"i	21'2"i
1400S350-118	50	29'9"	27'0"	23'7"e	33'5"i	29'3"i	23'11"i	27'0"	24'7"	21'5"e	30'4"i	27'7"i	23'11"i
1600S200-68	50	19'9"e	17'1"e	12'6"e	17'0"a	13'8"a	9'11"a	19'9"e	17'1"e	12'6"e	17'0"a	13'8"a	9'11"a
1600S250-68	50	20'7"e	17'10"e	12'6"e	17'4"a	13'11"a	10'0"a	20'7"e	17'10"e	12'6"e	17'4"a	13'11"a	10'0"a
1600S300-68	50	21'2"e	18'4"e	12'6"e	17'7"a	14'1"a	10'0"a	21'2"e	18'4"e	12'6"e	17'7"a	14'1"a	10'0"a
1600S350-68	50	23'8"e	18'9"e	12'6"e	18'7"a	14'9"a	10'0"a	23'8"e	18'9"e	12'6"e	18'7"a	14'9"a	10'0"a
1600S200-97	50	25'10"	22'4"e	18'3"e	25'10"i	22'4"i	18'3"i	25'1"	22'4"e	18'3"e	25'10"i	22'4"i	18'3"i
1600S250-97	50	26'10"	23'3"e	19'0"e	26'10"i	23'3"i	19'0"i	25'11"	23'3"e	19'0"e	26'10"i	23'3"i	19'0"i
1600S300-97	50	27'7"e	23'11"e	19'6"e	27'7"i	23'11"i	19'6"i	26'9"	23'11"e	19'6"e	27'7"i	23'11"i	19'6"i
1600S350-97	50	30'6"e	26'5"e	21'7"e	30'6"i	26'5"i	21'2"i	28'0"e	25'5"e	21'7"e	30'6"i	26'5"i	21'2"i
1600S200-118	50	29'7"	25'11"	21'2"e	29'11"i	25'11"i	21'2"i	26'11"	24'5"	21'2"e	29'11"i	25'11"i	21'2"i
1600S250-118	50	30'7"	27'0"	22'0"e	31'2"i	27'0"i	22'0"i	27'10"	25'3"	22'0"e	31'2"i	27'0"i	22'0"i
1600S300-118	50	31'7"	27'9"	22'8"e	32'0"i	27'9"i	22'8"i	28'8"	26'1"	22'8"e	32'0"i	27'9"i	22'8"i
1600S350-118	50	33'0"	30'0"e	24'10"e	35'1"i	30'5"i	24'10"i	30'0"	27'3"	23'9"e	33'8"i	30'5"i	24'10"i

Notes:

1. Spans are based on continuous support of compression flange over the full length of the joist.
2. End shear and web crippling capacity have not been reduced for punchouts.
3. Calculated allowable properties are based on AISI S100-16, "North American Specification for Design of Cold-Formed Steel Structural Members".
4. For two equal spans, the listed span is the center-to-center distance from either end to the center support, with the joist continuous over the center support.
5. Joists must be braced against rotation at all supports.
6. End web crippling check is based on 3.5 inch end bearing. Joist flanges must be fastened to the support.
7. Shear capacity at mid-span support has been reduced for the presence of punchouts adjacent to the support. Mid-span combined bending and shear check based on stiffened web.
8. Deflection checks are computed using unbalanced loads for the two equal span condition.
9. Total load deflection limited to $L/240$. Live load deflection limit as noted.
10. "e" indicates that web stiffeners are required at the end supports only.
11. "i" indicates that web stiffeners are required at the interior supports only.
12. "a" indicates that web stiffeners are required at all the supports.
13. Allowable flexural strength values in the tables are based on the minimum of local, distortional, and lateral-torsional buckling. Distortional buckling strength is based on a $k_{\phi} = 0$. Higher values may be obtained when sheathing is applied to the walls resulting in a higher k - ϕ value.

Header Load Tables

Header Allowable Uniform Loads (lb/ft)

Member	Yield F_y (ksi)	SPAN						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
550S162-33	33	931e	699e	539e	375e	211e	127e	74e
550S162-43	33	2067e	1232e	789e	548e	308e	165e	95e
550S162-54	33	2779e	1563e	1001e	695e	391e	203e	118
550S162-54	50	3979e	2238e	1433e	941e	397e	203	118
550S162-68	33	3514e	1977e	1265e	879e	489e	250e	145
550S162-68	50	5176e	2912e	1863e	1158e	489e	250	145
600S137-33	33	851e	638e	479e	333e	187e	120e	78e
600S162-33	33	851e	638e	510e	423e	238e	152e	91e
600S200-33	33	851e	638e	510e	425e	256e	164e	104e
600S137-43	33	1887e	1061e	679e	472e	265e	170e	103e
600S162-43	33	1888e	1390e	890e	618e	348e	202e	117e
600S200-43	33	1888e	1416e	920e	639e	359e	230e	136e
600S250-43	33	1888e	1416e	967e	672e	378e	242e	156e
600S137-54	33	2436e	1370e	877e	609e	343e	219e	127
600S137-54	50	3446e	1938e	1241e	862e	430e	220	127
600S162-54	33	3136e	1764e	1129e	784e	441e	250e	145e
600S162-54	50	3012e	1694e	1084e	753e	424e	250e	145
600S200-54	33	3566e	2006e	1284e	891e	501e	290e	168e
600S200-54	50	3764e	2533e	1621e	1126e	567e	290e	168
600S250-54	33	3392e	1908e	1221e	848e	477e	305e	193e
600S250-54	50	3764e	2667e	1707e	1185e	643e	329e	190
600S137-68	33	3563e	2004e	1283e	891e	501e	270e	157
600S137-68	50	4570e	2570e	1645e	1142e	528e	270	157
600S162-68	33	3969e	2232e	1429e	992e	558e	308e	178
600S162-68	50	5847e	3289e	2105e	1426e	602e	308	178
600S200-68	33	4507e	2535e	1622e	1127e	634e	358e	207e
600S200-68	50	6476e	3642e	2331e	1619e	700e	358	207
600S250-68	33	4862e	2735e	1750e	1216e	684e	413e	239e
600S250-68	50	6147e	3458e	2213e	1537e	806e	413e	239
600S137-97	33	5108e	2873e	1839e	1277e	715e	366	212
600S137-97	50	7526e	4233e	2709e	1695e	715	366	212
600S162-97	33	5684e	3198e	2046e	1421e	799e	419	243
600S162-97	50	8404e	4728e	3026e	1942e	819	419	243
600S200-97	33	6443e	3624e	2319e	1611e	906e	491e	284
600S200-97	50	9560e	5378e	3442e	2271e	958e	491	284
600S250-97	33	7231e	4068e	2603e	1808e	1017e	568e	329
600S250-97	50	10279e	5782e	3700e	2570e	1109e	568	329
600S162-118	33	6936e	3902e	2497e	1734e	965e	494	286
600S162-118	50	10213e	5745e	3677e	2288e	965	494	286
600S200-118	33	7859e	4421e	2829e	1965e	1105e	581	336
600S200-118	50	11621e	6537e	4183e	2688e	1134	581	336
600S250-118	33	8827e	4965e	3178e	2207e	1241e	674e	390
600S250-118	50	12729e	7160e	4582e	3122e	1317e	674	390
800S137-33	33	632e	474e	379e	316e	237e	164e	114e
800S162-33	33	632e	474e	379e	316e	237e	187e	130e
800S200-33	33	632e	474e	379e	316e	237e	190e	149e
800S137-43	33	1402e	1051e	841e	656e	369e	236e	164e
800S162-43	33	1402e	1051e	841e	701e	420e	269e	186e
800S200-43	33	1402e	1051e	841e	701e	526e	341e	237e
800S250-43	33	1402e	1051e	841e	701e	526e	346e	240e

Header Allowable Uniform Loads (lb/ft)

Member	Yield F_y (ksi)	SPAN						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
800S137-54	33	2788e	1941e	1242e	863e	485e	311e	216e
800S137-54	50	2788e	2091e	1673e	1201e	676e	432e	252e
800S162-54	33	2788e	2091e	1406e	976e	549e	351e	244e
800S162-54	50	2788e	2091e	1673e	1363e	767e	489e	283e
800S200-54	33	2788e	2091e	1673e	1324e	745e	477e	331e
800S200-54	50	2788e	2091e	1673e	1394e	935e	574e	332e
800S250-54	33	2788e	2091e	1673e	1253e	705e	451e	313e
800S250-54	50	2788e	2091e	1673e	1394e	951e	609e	373e
800S137-68	33	4511e	2538e	1624e	1128e	634e	406e	282e
800S137-68	50	5628e	3664e	2345e	1628e	916e	549e	318e
800S162-68	33	5085e	2860e	1831e	1271e	715e	458e	318e
800S162-68	50	5628e	4150e	2656e	1845e	1038e	618e	358e
800S200-68	33	5628e	3774e	2415e	1677e	944e	604e	412e
800S200-68	50	5628e	4221e	3377e	2415e	1359e	712e	412e
800S250-68	33	5628e	4028e	2578e	1790e	1007e	644e	448e
800S250-68	50	5628e	4221e	3288e	2283e	1284e	808e	467e
800S137-97	33	7865e	4424e	2831e	1966e	1106e	708e	435e
800S137-97	50	9535e	5363e	3432e	2384e	1341e	752e	435e
800S162-97	33	8633e	4856e	3108e	2158e	1214e	777e	491e
800S162-97	50	10772e	6059e	3878e	2693e	1515e	849e	491e
800S200-97	33	9647e	5427e	3473e	2412e	1357e	868e	567e
800S200-97	50	14316e	8052e	5154e	3579e	1913e	979e	567e
800S250-97	33	10677e	6006e	3844e	2669e	1501e	961e	647e
800S250-97	50	14514e	8558e	5477e	3804e	2140e	1118e	647e
800S162-118	33	10588e	5956e	3812e	2647e	1489e	953e	582e
800S162-118	50	15590e	8769e	5612e	3897e	1964e	1006e	582e
800S200-118	33	11819e	6648e	4255e	2955e	1662e	1064e	674e
800S200-118	50	17474e	9829e	6291e	4369e	2273e	1164e	674e
800S250-118	33	13083e	7359e	4710e	3271e	1840e	1177e	771e
800S250-118	50	18890e	10626e	6801e	4723e	2602e	1332e	771e
1000S137-43	33	1115e	836e	669e	557e	418e	302e	210e
1000S162-43	33	1115e	836e	669e	557e	418e	334e	238e
1000S200-43	33	1115e	836e	669e	557e	418e	334e	269e
1000S250-43	33	1115e	836e	669e	557e	418e	334e	279e
1000S137-54	33	2214e	1661e	1329e	1107e	628e	402e	279e
1000S137-54	50	2214e	1661e	1329e	1107e	830e	554e	385e
1000S162-54	33	2214e	1661e	1329e	1107e	709e	454e	315e
1000S162-54	50	2214e	1661e	1329e	1107e	830e	628e	436e
1000S200-54	33	2214e	1661e	1329e	1107e	817e	523e	363e
1000S200-54	50	2214e	1661e	1329e	1107e	830e	664e	473e
1000S250-54	33	2214e	1661e	1329e	1107e	830e	600e	417e
1000S250-54	50	2214e	1661e	1329e	1107e	830e	664e	521e
1000S137-68	33	4460e	3341e	2138e	1485e	835e	535e	371e
1000S137-68	50	4460e	3345e	2676e	2116e	1190e	762e	529e
1000S162-68	33	4460e	3345e	2399e	1666e	937e	600e	416e
1000S162-68	50	4460e	3345e	2676e	2230e	1344e	860e	597e
1000S200-68	33	4460e	3345e	2676e	1908e	1073e	687e	477e
1000S200-68	50	4460e	3345e	2676e	2230e	1510e	966e	671e
1000S250-68	33	4460e	3345e	2676e	2230e	1374e	879e	610e
1000S250-68	50	4460e	3345e	2676e	2230e	1673e	1105e	768e

Header Load Tables

Header Allowable Uniform Loads (lb/ft)

Member	Yield F_y (ksi)	SPAN						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
1000S137-97	33	8896e	5004e	3202e	2224e	1251e	801e	556e
1000S137-97	50	12938e	7278e	4658e	3234e	1819e	1164e	769e
1000S162-97	33	9935e	5588e	3576e	2484e	1397e	894e	621e
1000S162-97	50	13151e	8158e	5221e	3626e	2039e	1305e	858e
1000S200-97	33	11322e	6368e	4076e	2830e	1592e	1019e	708e
1000S200-97	50	13151e	9334e	5974e	4148e	2333e	1493e	978e
1000S250-97	33	11791e	8201e	5249e	3645e	2050e	1312e	911e
1000S250-97	50	13151e	9864e	7500e	5209e	2930e	1875e	1104e
1000S162-118	33	14850e	8353e	5346e	3713e	2088e	1337e	928e
1000S162-118	50	17894e	10065e	6442e	4473e	2516e	1610e	1020e
1000S200-118	33	16370e	9208e	5893e	4093e	2302e	1473e	1023e
1000S200-118	50	20451e	11504e	7362e	5113e	2876e	1841e	1166e
1000S250-118	33	17585e	10074e	6447e	4477e	2519e	1612e	1119e
1000S250-118	50	21646e	14570e	9325e	6476e	3642e	2280e	1319e
1200S137-54	33	1836e	1377e	1102e	918e	689e	493e	343e
1200S137-54	50	1836e	1377e	1102e	918e	689e	551e	459e
1200S162-54	33	1836e	1377e	1102e	918e	689e	551e	386e
1200S162-54	50	1836e	1377e	1102e	918e	689e	551e	459e
1200S200-54	33	1836e	1377e	1102e	918e	689e	551e	444e
1200S200-54	50	1836e	1377e	1102e	918e	689e	551e	459e
1200S250-54	33	1836e	1377e	1102e	918e	689e	551e	454e
1200S250-54	50	1836e	1377e	1102e	918e	689e	551e	459e
1200S137-68	33	3694e	2771e	2217e	1843e	1037e	664e	461e
1200S137-68	50	3694e	2771e	2217e	1847e	1385e	937e	651e
1200S162-68	33	3694e	2771e	2217e	1847e	1160e	742e	515e
1200S162-68	50	3694e	2771e	2217e	1847e	1385e	1056e	733e
1200S200-68	33	3694e	2771e	2217e	1847e	1324e	847e	588e
1200S200-68	50	3694e	2771e	2217e	1847e	1385e	1108e	821e
1200S250-68	33	3694e	2771e	2217e	1847e	1385e	921e	640e
1200S250-68	50	3694e	2771e	2217e	1847e	1385e	1108e	834e
1200S137-97	33	10863e	6421e	4109e	2854e	1605e	1027e	713e
1200S137-97	50	10863e	8147e	5854e	4065e	2287e	1463e	1016e
1200S162-97	33	10863e	7126e	4561e	3167e	1781e	1140e	792e
1200S162-97	50	10863e	8147e	6518e	4537e	2552e	1633e	1134e
1200S200-97	33	10863e	8068e	5163e	3586e	2017e	1291e	896e
1200S200-97	50	10863e	8147e	6518e	5167e	2907e	1860e	1292e
1200S250-97	33	10863e	8147e	5792e	4022e	2263e	1448e	1006e
1200S250-97	50	10863e	8147e	6518e	5431e	3142e	2011e	1397e
1200S162-118	33	15685e	8823e	5646e	3921e	2206e	1412e	980e
1200S162-118	50	19981e	12896e	8253e	5731e	3224e	2063e	1433e
1200S200-118	33	17585e	9976e	6385e	4434e	2494e	1596e	1108e
1200S200-118	50	19981e	14634e	9366e	6504e	3658e	2341e	1626e
1200S250-118	33	17585e	11178e	7154e	4968e	2794e	1788e	1242e
1200S250-118	50	19981e	14986e	10446e	7254e	4080e	2611e	1813e
1200S300-118	33	17585e	13189e	8841e	6139e	3453e	2210e	1535e
1200S300-118	50	19981e	14986e	11988e	9025e	5076e	3249e	2256e
1200S350-118	33	17585e	13189e	10279e	7139e	4015e	2570e	1785e
1200S350-118	50	19981e	14986e	11988e	9990e	5710e	3654e	2538e

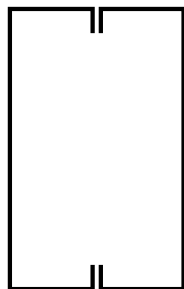
Header Allowable Uniform Loads (lb/ft)								
Member	Yield F_y (ksi)	SPAN						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
1400S200-54	33	1569e	1177e	941e	784e	588e	471e	392e
1400S200-54	50	1569e	1177e	941e	784e	588e	471e	392e
1400S250-54	33	1569e	1177e	941e	784e	588e	471e	392e
1400S250-54	50	1569e	1177e	941e	784e	588e	471e	392e
1400S300-54	33	1569e	1177e	941e	784e	588e	471e	392e
1400S300-54	50	1569e	1177e	941e	784e	588e	471e	392e
1400S350-54	33	1569e	1177e	941e	784e	588e	471e	392e
1400S350-54	50	1569e	1177e	941e	784e	588e	471e	392e
1400S200-68	33	3153e	2365e	1892e	1576e	1182e	946e	700e
1400S200-68	50	3153e	2365e	1892e	1576e	1182e	946e	788e
1400S250-68	33	3153e	2365e	1892e	1576e	1182e	946e	758e
1400S250-68	50	3153e	2365e	1892e	1576e	1182e	946e	788e
1400S300-68	33	3153e	2365e	1892e	1576e	1182e	946e	775e
1400S300-68	50	3153e	2365e	1892e	1576e	1182e	946e	788e
1400S350-68	33	3153e	2365e	1892e	1576e	1182e	946e	788e
1400S350-68	50	3153e	2365e	1892e	1576e	1182e	946e	788e
1400S200-97	33	9252e	6939e	5551e	4331e	2436e	1559e	1083e
1400S200-97	50	9252e	6939e	5551e	4626e	3470e	2228e	1547e
1400S250-97	33	9252e	6939e	5551e	4626e	2722e	1742e	1210e
1400S250-97	50	9252e	6939e	5551e	4626e	3470e	2399e	1666e
1400S300-97	33	9252e	6939e	5551e	4626e	2896e	1854e	1287e
1400S300-97	50	9252e	6939e	5551e	4626e	3470e	2544e	1767e
1400S350-97	33	9252e	6939e	5551e	4626e	3470e	2548e	1769e
1400S350-97	50	9252e	6939e	5551e	4626e	3470e	2776e	2270e
1400S200-118	33	16994e	12318e	7884e	5475e	3080e	1971e	1369e
1400S200-118	50	16994e	12745e	10196e	7870e	4427e	2833e	1967e
1400S250-118	33	16994e	12745e	8780e	6097e	3430e	2195e	1524e
1400S250-118	50	16994e	12745e	10196e	8497e	4916e	3146e	2185e
1400S300-118	33	16994e	12745e	9534e	6621e	3724e	2383e	1655e
1400S300-118	50	16994e	12745e	10196e	8497e	5256e	3364e	2336e
1400S350-118	33	16994e	12745e	10196e	8497e	4978e	3186e	2212e
1400S350-118	50	16994e	12745e	10196e	8497e	6373e	4539e	3152e
1600S200-68	33	2750e	2062e	1650e	1375e	1031e	825e	687e
1600S200-68	50	2750e	2062e	1650e	1375e	1031e	825e	687e
1600S250-68	33	2750e	2062e	1650e	1375e	1031e	825e	687e
1600S250-68	50	2750e	2062e	1650e	1375e	1031e	825e	687e
1600S300-68	33	2750e	2062e	1650e	1375e	1031e	825e	687e
1600S300-68	50	2750e	2062e	1650e	1375e	1031e	825e	687e
1600S350-68	33	2750e	2062e	1650e	1375e	1031e	825e	687e
1600S350-68	50	2750e	2062e	1650e	1375e	1031e	825e	687e

Header Load Tables

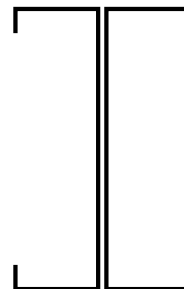
Header Allowable Uniform Loads (lb/ft)								
Member	Yield F_y (ksi)	SPAN						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
1600S200-97	33	8058 e	6043 e	4835 e	4029 e	2856 e	1828 e	1269 e
1600S200-97	50	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e	1802 e
1600S250-97	33	8058 e	6043 e	4835 e	4029 e	3022 e	2036 e	1414 e
1600S250-97	50	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e	1936 e
1600S300-97	33	8058 e	6043 e	4835 e	4029 e	3022 e	2161 e	1501 e
1600S300-97	50	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e	2014 e
1600S350-97	33	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e	1788 e
1600S350-97	50	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e	2014 e
1600S200-118	33	14784 e	11088 e	8870 e	6484 e	3647 e	2334 e	1621 e
1600S200-118	50	14784 e	11088 e	8870 e	7392 e	5197 e	3326 e	2310 e
1600S250-118	33	14784 e	11088 e	8870 e	7193 e	4046 e	2589 e	1798 e
1600S250-118	50	14784 e	11088 e	8870 e	7392 e	5544 e	3682 e	2557 e
1600S300-118	33	14784 e	11088 e	8870 e	7392 e	4379 e	2803 e	1946 e
1600S300-118	50	14784 e	11088 e	8870 e	7392 e	5544 e	3927 e	2727 e
1600S350-118	33	14784 e	11088 e	8870 e	7392 e	5091 e	3259 e	2263 e
1600S350-118	50	14784 e	11088 e	8870 e	7392 e	5544 e	4435 e	3134 e

Notes:

1. Calculated properties are based on AISI S100-16, "North American Specification for Design of Cold-Formed Steel Structural Members".
2. Allowable deflection limit is $L/360$.
3. Allowable capacities have not been modified for wind or earthquake loading.
4. Headers are made from two "boxed" or back-to-back members.
5. Allowable moment, shear, and web crippling capacities are based on twice the capacity of a single member. The moment of inertia is based on twice the value of the single member.
6. Minimum bearing length for web crippling = 1-inch.
7. Capacities are calculated for unpunched members only.
8. Members are assumed adequately braced for bending.
9. Allowable loads are for simply supported headers with uniform bending loads only.
10. "e" Web stiffeners are required at each support.

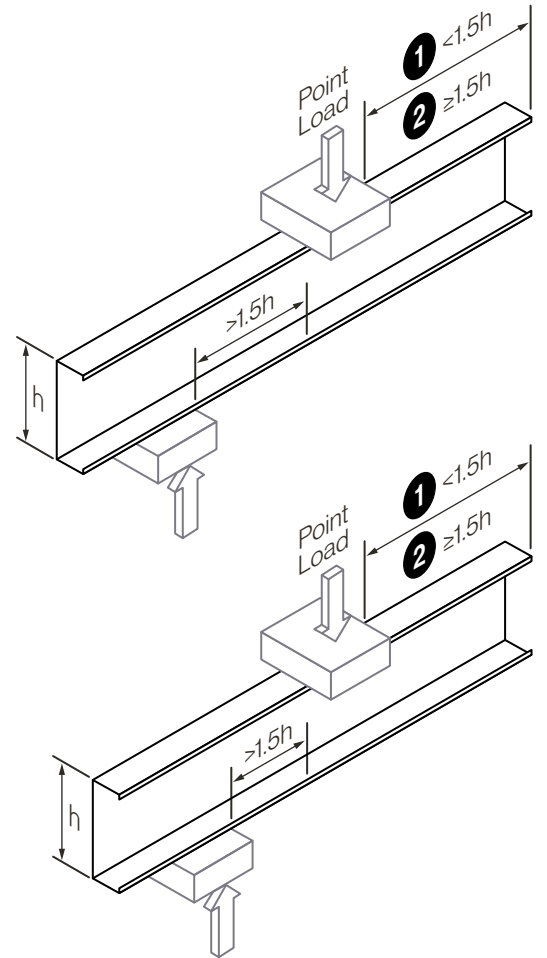
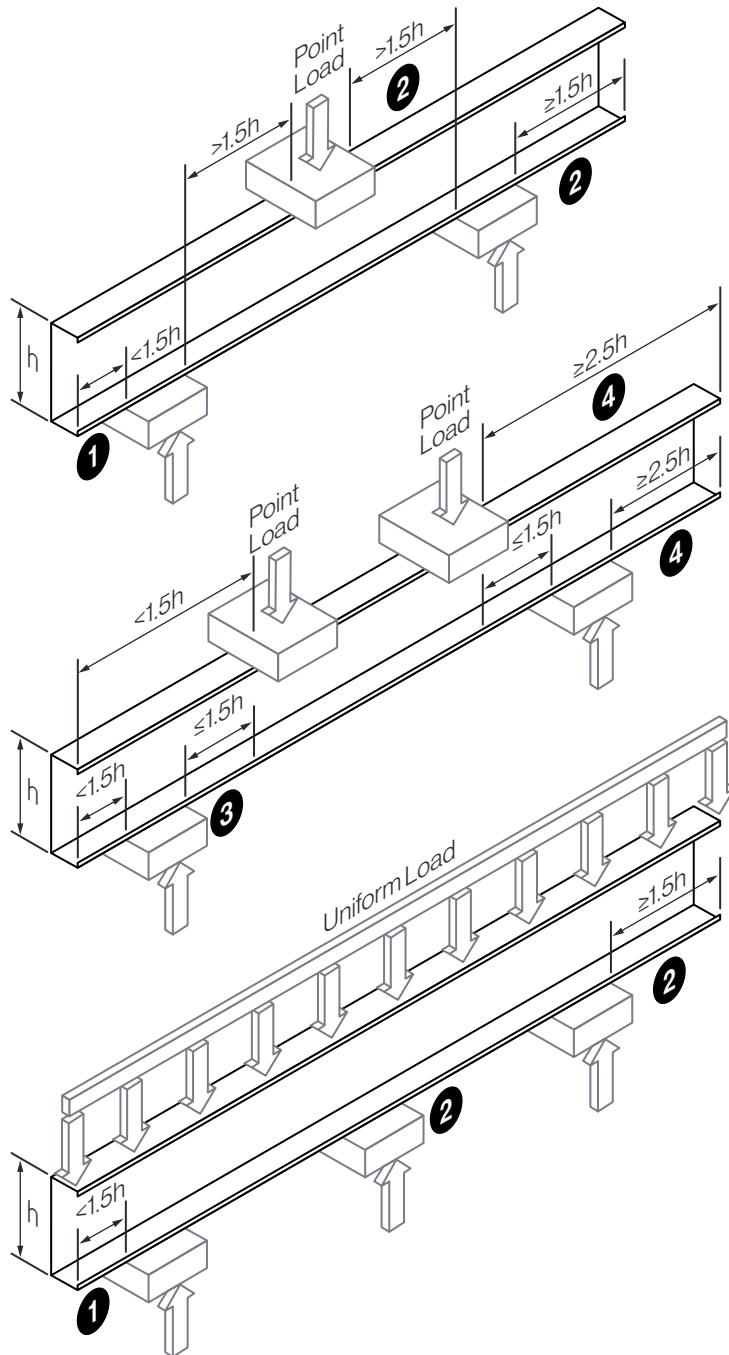


Boxed Header



Back-to-Back "I" Header

Web Crippling Conditions



- 1** Condition 1 - End Reaction - One Flange
- 2** Condition 2 - Interior Reaction - One Flange
- 3** Condition 3 - End reaction - Two Flange
- 4** Condition 4 - Interior Reaction - Two Flange

Allowable Web Crippling Loads (lbs) • Single Members

Member	Design Thickness (in)	Inside Radius	Yield F _y (ksi)	Condition 1 Bearing Length (in)				Condition 2 Bearing Length (in)				Condition 3 Bearing Length (in)				Condition 4 Bearing Length (in)			
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6
162S-33	0.0346	0.0764	33	180	282 ¹	297 ¹	350 ¹	336	462 ¹	481 ¹	546 ¹	170	229 ¹	237 ¹	267 ¹	441	557 ¹	574 ¹	634 ¹
162S-43	0.0451	0.0712	33	298	459 ¹	483 ¹	566 ¹	589	793 ¹	823 ¹	929 ¹	297	390 ¹	404 ¹	452 ¹	764	946 ¹	973 ¹	1067 ¹
162S-54	0.0566	0.0849	33	447	678 ¹	712 ¹	832 ¹	904	1196 ¹	1239 ¹	1390 ¹	471	609 ¹	629 ¹	700 ¹	1203	1466 ¹	1506 ¹	1642 ¹
162S-54	0.0566	0.0849	50	677	1027 ¹	1079 ¹	1260 ¹	1370	1812 ¹	1877 ¹	2105 ¹	714	922 ¹	953 ¹	1061 ¹	1823	2222 ¹	2281 ¹	2487 ¹
162S-68	0.0713	0.1069	33	672	1004 ¹	1054 ¹	1225 ¹	1386	1802 ¹	1863 ¹	2077 ¹	750	952 ¹	982 ¹	1087 ¹	1901	2282 ¹	2339 ¹	2536 ¹
162S-68	0.0713	0.1069	50	1019	1522 ¹	1596 ¹	1856 ¹	2100	2730 ¹	2823 ¹	3148 ¹	1136	1443 ¹	1488 ¹	1646 ¹	2880	3458 ¹	3544 ¹	3842 ¹
250S-33	0.0346	0.0764	33	173	271	285	336 ¹	330	453	472	535 ¹	150	201	209	235 ¹	411	519	535	591 ¹
250S-43	0.0451	0.0712	33	287	443	466	547 ¹	580	780	810	913 ¹	267	351	364	407 ¹	720	892	918	1006 ¹
250S-54	0.0566	0.0849	33	433	657	690	806 ¹	891	1178	1221	1369 ¹	430	556	574	639 ¹	1142	1392	1429	1558 ¹
250S-54	0.0566	0.0849	50	656	996	1046	1222 ¹	1350	1785	1850	2075 ¹	652	842	870	968 ¹	1730	2109	2165	2361 ¹
250S-68	0.0713	0.1069	33	654	977	1024	1191 ¹	1368	1778	1839	2050 ¹	693	880	907	1004 ¹	1815	2179	2233	2421 ¹
250S-68	0.0713	0.1069	50	990	1480	1552	1805 ¹	2073	2694	2786	3106 ¹	1049	1333	1375	1521 ¹	2750	3302	3384	3669 ¹
350S-33	0.0346	0.0764	33	166	260	274	323	324	445	463	526	131	175	182	205	384	484	499	551
350S-43	0.0451	0.0712	33	278	428	451	528	571	768	798	900	240	315	326	365	680	842	866	949
350S-54	0.0566	0.0849	33	420	638	670	783	879	1162	1204	1351	392	507	524	583	1086	1324	1359	1482
350S-54	0.0566	0.0849	50	637	967	1016	1186	1331	1761	1825	2046	594	768	794	883	1645	2005	2059	2245
350S-68	0.0713	0.1069	33	637	951	998	1160	1351	1756	1816	2025	640	813	839	928	1737	2085	2137	2317
350S-68	0.0713	0.1069	50	965	1441	1512	1758	2047	2661	2752	3068	970	1232	1271	1406	2631	3159	3238	3510
350S-97	0.1017	0.1525	33	1209	1760	1841	2126	2629	3328	3431	3792	1343	1663	1710	1876	3562	4184	4276	4597
350S-97	0.1017	0.1525	50	1831	2666	2790	3221	3983	5042	5199	5745	2035	2520	2592	2842	5397	6339	6479	6966
362S-33	0.0346	0.0764	33	165	259	273	322	323	444	462	525	129	173	179	202	381	480	495	547
362S-43	0.0451	0.0712	33	277	427	449	526	570	767	796	898	236	311	322	360	675	836	860	943
362S-54	0.0566	0.0849	33	419	636	668	780	877	1160	1202	1348	388	501	518	577	1079	1316	1351	1473
362S-54	0.0566	0.0849	50	634	963	1012	1182	1329	1758	1822	2043	588	760	785	874	1635	1994	2047	2232
362S-68	0.0713	0.1069	33	635	948	995	1157	1349	1754	1813	2022	635	806	831	920	1728	2074	2126	2305
362S-68	0.0713	0.1069	50	962	1437	1507	1753	2044	2657	2748	3064	961	1221	1259	1393	2618	3143	3221	3492
362S-97	0.1017	0.1525	33	1206	1755	1837	2120	2626	3324	3427	3787	1333	1651	1698	1862	3547	4166	4258	4578
362S-97	0.1017	0.1525	50	1827	2659	2783	3212	3979	5036	5192	5738	2020	2501	2573	2821	5374	6313	6452	6936
400S-33	0.0346	0.0764	33	163	256	269	317	322	442	460	522	122	164	170	192	372	469	483	534
400S-43	0.0451	0.0712	33	274	422	444	520	567	763	792	893	227	299	309	346	662	819	843	924
400S-54	0.0566	0.0849	33	415	629	661	772	873	1155	1197	1342	376	485	502	558	1061	1293	1328	1448
400S-54	0.0566	0.0849	50	628	954	1002	1170	1323	1750	1813	2034	569	735	760	846	1607	1960	2012	2194
400S-68	0.0713	0.1069	33	629	940	986	1147	1344	1746	1806	2014	617	784	809	895	1702	2044	2094	2271
400S-68	0.0713	0.1069	50	953	1424	1494	1737	2036	2646	2737	3051	936	1188	1226	1356	2579	3097	3173	3441
400S-97	0.1017	0.1525	33	1197	1742	1823	2105	2617	3312	3415	3774	1305	1616	1662	1823	3504	4116	4207	4523
400S-97	0.1017	0.1525	50	1814	2640	2762	3189	3965	5018	5175	5718	1978	2448	2518	2761	5309	6236	6374	6853
550S-33	0.0346	0.0764	33	155	243	256	302	315	432	450	511	100	134	139	157	339	428	441	487
550S-43	0.0451	0.0712	33	262	405	426	499	556	749	778	877	195	256	265	297	614	760	782	858
550S-54	0.0566	0.0849	33	400	607	638	745	859	1136	1177	1320	331	428	443	493	995	1213	1246	1358
550S-54	0.0566	0.0849	50	606	920	966	1128	1302	1722	1784	2001	502	649	671	746	1508	1838	1887	2058
550S-68	0.0713	0.1069	33	609	911	955	1111	1324	1721	1780	1985	557	707	729	807	1611	1934	1982	2149
550S-68	0.0713	0.1069	50	923	1380	1447	1683	2007	2608	2697	3007	844	1071	1105	1223	2441	2931	3003	3256
550S-97	0.1017	0.1525	33	1166	1697	1776	2050	2585	3272	3374	3728	1205	1492	1535	1683	3352	3937	4024	4326
550S-97	0.1017	0.1525	50	1766	2571	2691	3106	3917	4957	5112	5649	1826	2261	2326	2550	5079	5966	6097	6555
600S-33	0.0346	0.0764	33	153	240	253	297	313	430	447	507	93	125	130	146	330	416	429	473

Allowable Web Crippling Loads (lbs) • Single Members

Member	Design Thickness (in)	Inside Radius	Yield F_y (ksi)	Condition 1 Bearing Length (in)				Condition 2 Bearing Length (in)				Condition 3 Bearing Length (in)				Condition 4 Bearing Length (in)			
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6
600S-43	0.0451	0.0712	33	259	400	420	493	553	745	773	872	185	243	252	282	600	743	764	838
600S-54	0.0566	0.0849	33	395	600	631	736	855	1131	1172	1314	318	411	425	473	975	1189	1221	1331
600S-54	0.0566	0.0849	50	599	909	956	1116	1295	1713	1775	1991	482	623	644	716	1478	1802	1850	2017
600S-68	0.0713	0.1069	33	604	902	946	1100	1319	1714	1772	1976	539	684	706	781	1584	1901	1949	2113
600S-68	0.0713	0.1069	50	914	1366	1433	1666	1998	2596	2685	2994	816	1036	1069	1183	2399	2881	2952	3201
600S-97	0.1017	0.1525	50	1752	2551	2669	3081	3902	4939	5093	5628	1781	2205	2268	2487	5010	5885	6014	6466
600S-118	0.1242	0.1863	50	2528	3625	3788	4354	5698	7108	7318	8046	2734	3339	3429	3741	7555	8772	8952	9581
800S-43	0.0451	0.0712	33	247	381	401	470	542	730	757	854	150	197	204	228	548	678	698	765
800S-54	0.0566	0.0849	33	379	576	605	706	839	1110	1150	1290	270	349	361	402	904	1102	1131	1234
800S-54	0.0566	0.0849	50	575	872	917	1070	1272	1682	1743	1955	409	529	547	608	1370	1670	1714	1869
800S-68	0.0713	0.1069	33	582	870	912	1061	1297	1686	1744	1944	473	601	619	685	1485	1783	1827	1981
800S-68	0.0713	0.1069	50	882	1318	1382	1607	1966	2555	2642	2946	716	910	939	1038	2250	2701	2768	3001
800S-97	0.1017	0.1525	50	1702	2477	2592	2992	3850	4873	5025	5553	1618	2003	2060	2259	4761	5593	5716	6146
800S-118	0.1242	0.1863	50	2462	3531	3689	4241	5629	7023	7229	7949	2518	3075	3158	3445	7223	8387	8559	9160
1000S-54	0.0566	0.0849	33	365	554	582	680	826	1092	1132	1269	228	295	305	339	841	1026	1053	1148
1000S-54	0.0566	0.0849	50	553	840	882	1031	1251	1655	1715	1923	346	447	462	514	1275	1554	1595	1740
1000S-68	0.0713	0.1069	33	563	842	883	1027	1279	1662	1719	1917	415	527	544	602	1398	1679	1721	1866
1000S-68	0.0713	0.1069	50	854	1275	1338	1556	1938	2518	2604	2904	629	799	824	912	2119	2544	2607	2827
1000S-97	0.1017	0.1525	50	1657	2413	2525	2914	3805	4816	4966	5488	1476	1827	1879	2060	4545	5338	5456	5866
1000S-118	0.1242	0.1863	50	2405	3449	3604	4143	5569	6948	7152	7864	2330	2845	2921	3187	6934	8051	8217	8794
1200S-68	0.0713	0.1069	33	547	817	857	996	1262	1641	1697	1892	363	462	476	527	1320	1585	1625	1762
1200S-68	0.0713	0.1069	50	828	1237	1298	1509	1913	2486	2571	2866	551	699	721	798	2001	2402	2462	2669
1200S-97	0.1017	0.1525	50	1618	2355	2464	2844	3764	4764	4912	5429	1348	1668	1716	1882	4350	5109	5222	5614
1200S-118	0.1242	0.1863	50	2354	3375	3527	4054	5515	6881	7083	7788	2161	2638	2709	2956	6675	7750	7910	8465
1400S-68	0.0713	0.1069	33	531	793	832	968	1247	1621	1676	1869	316	401	414	458	1249	1500	1537	1666
1400S-68	0.0713	0.1069	50	805	1202	1261	1466	1890	2456	2540	2832	479	608	627	694	1892	2272	2329	2525
1400S-97	0.1017	0.1525	50	1581	2302	2408	2780	3727	4717	4864	5375	1230	1523	1567	1718	4171	4900	5008	5384
1400S-118	0.1242	0.1863	50	2307	3308	3456	3973	5466	6819	7020	7719	2006	2449	2515	2744	6437	7474	7628	8164
1600S-97	0.1017	0.1525	50	1547	2252	2357	2721	3692	4673	4818	5325	1121	1388	1428	1566	4005	4705	4809	5170
1600S-118	0.1242	0.1863	50	2263	3245	3391	3898	5420	6762	6961	7654	1862	2274	2335	2548	6217	7219	7367	7884

Allowable Web Crippling Loads (lbs) • Back-to-Back Members

Member	Design Thickness (in)	Inside Radius	Yield F _y (ksi)	Condition 1 Bearing Length (in)				Condition 2 Bearing Length (in)				Condition 3 Bearing Length (in)				Condition 4 Bearing Length (in)			
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6
162S-33	0.0346	0.0764	33	389	593 ¹	623 ¹	729 ¹	547	724 ¹	750 ¹	842 ¹	283	357 ¹	368 ¹	406 ¹	600	757 ¹	781 ¹	862 ¹
162S-43	0.0451	0.0712	33	638	953 ¹	1000 ¹	1163 ¹	933	1211 ¹	1252 ¹	1395 ¹	494	612 ¹	629 ¹	690 ¹	1066	1320 ¹	1358 ¹	1489 ¹
162S-54	0.0566	0.0849	33	949	1395 ¹	1462 ¹	1692 ¹	1427	1820 ¹	1878 ¹	2081 ¹	784	956 ¹	982 ¹	1071 ¹	1696	2068 ¹	2123 ¹	2315 ¹
162S-54	0.0566	0.0849	50	1438	2114 ¹	2215 ¹	2564 ¹	2162	2757 ¹	2846 ¹	3153 ¹	1188	1449 ¹	1488 ¹	1622 ¹	2570	3134 ¹	3217 ¹	3508 ¹
162S-68	0.0713	0.1069	33	1418	2050 ¹	2144 ¹	2470 ¹	2188	2744 ¹	2826 ¹	3113 ¹	1250	1501 ¹	1538 ¹	1667 ¹	2703	3246 ¹	3326 ¹	3606 ¹
162S-68	0.0713	0.1069	50	2148	3106 ¹	3248 ¹	3742 ¹	3315	4157 ¹	4282 ¹	4717 ¹	1894	2274 ¹	2330 ¹	2526 ¹	4096	4918 ¹	5040 ¹	5464 ¹
250S-33	0.0346	0.0764	33	389	592 ¹	622 ¹	727 ¹	546	723 ¹	749 ¹	840 ¹	256	323 ¹	333 ¹	368 ¹	544	686 ¹	708 ¹	781 ¹
250S-43	0.0451	0.0712	33	637	952 ¹	999 ¹	1162 ¹	932	1209 ¹	1250 ¹	1393 ¹	455	563 ¹	580 ¹	636 ¹	982	1216 ¹	1251 ¹	1371 ¹
250S-54	0.0566	0.0849	33	947	1393 ¹	1460 ¹	1690 ¹	1425	1817 ¹	1876 ¹	2078 ¹	730	890 ¹	914 ¹	997 ¹	1579	1925 ¹	1977 ¹	2155 ¹
250S-54	0.0566	0.0849	50	1435	2111 ¹	2212 ¹	2560 ¹	2159	2753 ¹	2842 ¹	3149 ¹	1106	1349 ¹	1385 ¹	1510 ¹	2393	2917 ¹	2995 ¹	3266 ¹
250S-68	0.0713	0.1069	33	1416	2047 ¹	2141 ¹	2467 ¹	2185	2740 ¹	2823 ¹	3109 ¹	1174	1409 ¹	1444 ¹	1566 ¹	2539	3048 ¹	3124 ¹	3387 ¹
250S-68	0.0713	0.1069	50	2145	3102 ¹	3244 ¹	3737 ¹	3311	4152 ¹	4277 ¹	4711 ¹	1778	2135 ¹	2188 ¹	2373 ¹	3846	4618 ¹	4733 ¹	5131 ¹
350S-33	0.0346	0.0764	33	388	591 ¹	621 ¹	726 ¹	545	721 ¹	748 ¹	839 ¹	232	292 ¹	301 ¹	333 ¹	492	621 ¹	640 ¹	706 ¹
350S-43	0.0451	0.0712	33	636	951 ¹	997 ¹	1160 ¹	931	1207 ¹	1248 ¹	1391 ¹	419	519 ¹	534 ¹	585 ¹	904	1119 ¹	1151 ¹	1263 ¹
350S-54	0.0566	0.0849	33	946	1392 ¹	1458 ¹	1688 ¹	1423	1815 ¹	1873 ¹	2075 ¹	680	829 ¹	852 ¹	929 ¹	1471	1794 ¹	1842 ¹	2008 ¹
350S-54	0.0566	0.0849	50	1434	2109 ¹	2209 ¹	2557 ¹	2156	2750 ¹	2838 ¹	3144 ¹	1031	1257 ¹	1290 ¹	1407 ¹	2229	2718 ¹	2791 ¹	3043 ¹
350S-68	0.0713	0.1069	33	1414	2045 ¹	2138 ¹	2464 ¹	2183	2737 ¹	2819 ¹	3106 ¹	1104	1326 ¹	1359 ¹	1473 ¹	2388	2867 ¹	2939 ¹	3186 ¹
350S-68	0.0713	0.1069	50	2143	3098 ¹	3240 ¹	3733 ¹	3307	4147 ¹	4272 ¹	4706 ¹	1673	2009 ¹	2059 ¹	2232 ¹	3618	4345 ¹	4452 ¹	4827 ¹
350S-97	0.1017	0.1525	33	2641	3716 ¹	3876 ¹	4431 ¹	4235	5181 ¹	5321 ¹	5809 ¹	2305	2708 ¹	2768 ¹	2976 ¹	4986	5857 ¹	5986 ¹	6435 ¹
350S-97	0.1017	0.1525	50	4002	5631 ¹	5873 ¹	6713 ¹	6416	7850 ¹	8062 ¹	8802 ¹	3493	4103 ¹	4194 ¹	4508 ¹	7555	8874 ¹	9070 ¹	9751 ¹
362S-33	0.0346	0.0764	33	388	591 ¹	621 ¹	726 ¹	545	721 ¹	747 ¹	839 ¹	229	289 ¹	298 ¹	329 ¹	486	613 ¹	632 ¹	698 ¹
362S-43	0.0451	0.0712	33	636	950 ¹	997 ¹	1160 ¹	930	1207 ¹	1248 ¹	1391 ¹	415	514 ¹	528 ¹	579 ¹	895	1109 ¹	1140 ¹	1250 ¹
362S-54	0.0566	0.0849	33	946	1391 ¹	1458 ¹	1687 ¹	1423	1815 ¹	1873 ¹	2075 ¹	675	823 ¹	845 ¹	921 ¹	1459	1779 ¹	1826 ¹	1992 ¹
362S-54	0.0566	0.0849	50	1433	2108 ¹	2208 ¹	2557 ¹	2156	2750 ¹	2838 ¹	3144 ¹	1022	1246 ¹	1280 ¹	1395 ¹	2211	2695 ¹	2767 ¹	3017 ¹
362S-68	0.0713	0.1069	33	1414	2045 ¹	2138 ¹	2463 ¹	2182	2737 ¹	2819 ¹	3105 ¹	1096	1316 ¹	1349 ¹	1463 ¹	2371	2847 ¹	2918 ¹	3163 ¹
362S-68	0.0713	0.1069	50	2143	3098 ¹	3239 ¹	3732 ¹	3307	4147 ¹	4271 ¹	4705 ¹	1661	1995 ¹	2044 ¹	2216 ¹	3592	4314 ¹	4421 ¹	4793 ¹
362S-97	0.1017	0.1525	33	2641	3716 ¹	3875 ¹	4430 ¹	4234	5180 ¹	5320 ¹	5809 ¹	2292	2693 ¹	2752 ¹	2959 ¹	4957	5823 ¹	5952 ¹	6399 ¹
362S-97	0.1017	0.1525	50	4001	5630 ¹	5872 ¹	6713 ¹	6416	7849 ¹	8061 ¹	8801 ¹	3473	4080 ¹	4170 ¹	4483 ¹	7511	8823 ¹	9018 ¹	9695 ¹
400S-33	0.0346	0.0764	33	388	591	621 ¹	726 ¹	545	721	747 ¹	838 ¹	221	279	287 ¹	317 ¹	469	592	610 ¹	673 ¹
400S-43	0.0451	0.0712	33	635	950	997 ¹	1159 ¹	930	1206	1247 ¹	1390 ¹	403	499	513 ¹	563 ¹	870	1077	1108 ¹	1215 ¹
400S-54	0.0566	0.0849	33	946	1391	1457 ¹	1687 ¹	1422	1814	1872 ¹	2074 ¹	658	803	824 ¹	899 ¹	1424	1736	1782 ¹	1943 ¹
400S-54	0.0566	0.0849	50	1433	2107	2207 ¹	2556 ¹	2155	2748	2836 ¹	3143 ¹	998	1216	1249 ¹	1361 ¹	2157	2630	2700 ¹	2944 ¹
400S-68	0.0713	0.1069	33	1414	2044	2137 ¹	2462 ¹	2181	2736	2818 ¹	3104 ¹	1074	1289	1321 ¹	1432 ¹	2322	2788	2857 ¹	3098 ¹
400S-68	0.0713	0.1069	50	2142	3097	3238 ¹	3731 ¹	3305	4145	4270 ¹	4703 ¹	1627	1953	2002 ¹	2170 ¹	3518	4224	4329 ¹	4694 ¹
400S-97	0.1017	0.1525	33	2640	3715	3874 ¹	4429 ¹	4233	5178	5319 ¹	5807 ¹	2254	2648	2706 ¹	2909 ¹	4875	5726	5853 ¹	6292 ¹
400S-97	0.1017	0.1525	50	4000	5628	5870 ¹	6711 ¹	6414	7846	8059 ¹	8798 ¹	3415	4012	4100 ¹	4408 ¹	7386	8676	8868 ¹	9534 ¹
550S-33	0.0346	0.0764	33	387	590	620	724 ¹	544	720	746	836 ¹	192	242	250	276 ¹	407	514	530	585 ¹
550S-43	0.0451	0.0712	33	634	948	995	1157 ¹	928	1204	1245	1388 ¹	361	447	459	504 ¹	778	964	991	1087 ¹
550S-54	0.0566	0.0849	33	944	1389	1455	1684 ¹	1420	1811	1869	2071 ¹	600	732	751	819 ¹	1298	1582	1624	1771 ¹
550S-54	0.0566	0.0849	50	1431	2104	2204	2552 ¹	2152	2744	2832	3138 ¹	909	1108	1138	1241 ¹	1966	2397	2461	2683 ¹
550S-68	0.0713	0.1069	33	1412	2041	2134	2459 ¹	2179	2732	2814	3100 ¹	993	1192	1222	1324 ¹	2147	2578	2642	2864 ¹
550S-68	0.0713	0.1069	50	2139	3092	3234	3726 ¹	3301	4139	4264	4697 ¹	1504	1806	1851	2007 ¹	3253	3906	4003	4340 ¹
550S-97	0.1017	0.1525	33	2637	3710	3870	4424 ¹	4228	5172	5313	5800 ¹	2119	2489	2544	2735 ¹	4583	5383	5502	5915 ¹
550S-97	0.1017	0.1525	50	3995	5622	5863	6703 ¹	6406	7837	8049	8788 ¹	3211	3771	3855	4144 ¹	6944	8157	8337	8963 ¹
600S-33	0.0346	0.0764	33	387	589	619	724 ¹	543	719	745	836 ¹	183	231	238	263 ¹	389	491	506	559 ¹

Allowable Web Crippling Loads (lbs) • Single Members

Member	Design Thickness (in)	Inside Radius	Yield F _y (ksi)	Condition 1 Bearing Length (in)				Condition 2 Bearing Length (in)				Condition 3 Bearing Length (in)				Condition 4 Bearing Length (in)			
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6
600S-43	0.0451	0.0712	33	634	948	995	1157 ¹	928	1204	1245	1387 ¹	348	431	443	486 ¹	751	930	956	1048 ¹
600S-54	0.0566	0.0849	33	944	1388	1454	1683 ¹	1420	1810	1868	2070 ¹	583	710	729	795 ¹	1260	1536	1577	1719 ¹
600S-54	0.0566	0.0849	50	1430	2103	2203	2551 ¹	2151	2743	2831	3136 ¹	883	1076	1105	1205 ¹	1909	2327	2389	2605 ¹
600S-68	0.0713	0.1069	33	1411	2040	2133	2458 ¹	2178	2731	2813	3099 ¹	968	1163	1192	1292 ¹	2095	2515	2577	2794 ¹
600S-68	0.0713	0.1069	50	2138	3091	3233	3724 ¹	3299	4138	4262	4695 ¹	1467	1762	1806	1958 ¹	3173	3811	3905	4234 ¹
600S-97	0.1017	0.1525	50	3994	5620	5861	6701 ¹	6404	7834	8046	8785 ¹	3150	3700	3781	4065 ¹	6812	8001	8178	8792 ¹
600S-118	0.1242	0.1863	50	5696	7892	8218	9351 ¹	9325	11257	11543	12540 ¹	4808	5583	5698	6097 ¹	10398	12074	12322	13187 ¹
800S-43	0.0451	0.0712	33	633	946	993	1154	926	1202	1242	1384	302	374	384	421	651	806	829	909
800S-54	0.0566	0.0849	33	942	1386	1452	1681	1417	1807	1865	2067	519	633	650	709	1123	1369	1405	1532
800S-54	0.0566	0.0849	50	1428	2100	2200	2546	2147	2738	2826	3131	787	959	985	1074	1701	2074	2129	2322
800S-68	0.0713	0.1069	33	1409	2037	2130	2455	2174	2727	2809	3094	881	1058	1084	1175	1905	2287	2344	2542
800S-68	0.0713	0.1069	50	2135	3087	3228	3719	3295	4132	4256	4688	1335	1602	1642	1780	2886	3466	3552	3851
800S-97	0.1017	0.1525	50	3989	5613	5854	6692	6396	7825	8036	8774	2929	3441	3517	3781	6335	7442	7606	8177
800S-118	0.1242	0.1863	50	5690	7883	8209	9341	9314	11244	11530	12526	4514	5241	5349	5724	9762	11335	11568	12380
1000S-54	0.0566	0.0849	33	941	1384	1450	1678	1415	1805	1863	2064	464	565	580	633	1003	1222	1255	1368
1000S-54	0.0566	0.0849	50	1426	2097	2196	2543	2144	2735	2822	3127	702	856	879	959	1519	1852	1901	2073
1000S-68	0.0713	0.1069	33	1407	2035	2128	2451	2172	2723	2805	3090	804	965	989	1073	1739	2088	2140	2320
1000S-68	0.0713	0.1069	50	2132	3083	3224	3714	3290	4126	4250	4682	1218	1463	1499	1625	2635	3164	3242	3515
1000S-97	0.1017	0.1525	50	3985	5607	5848	6685	6389	7816	8028	8764	2737	3215	3286	3533	5919	6953	7107	7640
1000S-118	0.1242	0.1863	50	5684	7875	8200	9332	9305	11233	11519	12514	4257	4943	5045	5399	9208	10691	10911	11677
1200S-68	0.0713	0.1069	33	1406	2032	2125	2449	2169	2720	2802	3086	735	883	904	981	1590	1909	1956	2121
1200S-68	0.0713	0.1069	50	2130	3079	3220	3710	3287	4122	4245	4676	1114	1337	1370	1486	2408	2892	2964	3213
1200S-97	0.1017	0.1525	50	3981	5601	5842	6678	6383	7808	8020	8756	2564	3012	3078	3309	5545	6514	6658	7158
1200S-118	0.1242	0.1863	50	5679	7868	8193	9323	9297	11223	11508	12503	4027	4676	4772	5107	8710	10113	10321	11046
1400S-68	0.0713	0.1069	33	1404	2030	2123	2446	2167	2717	2799	3083	672	806	826	896	1452	1744	1787	1938
1400S-68	0.0713	0.1069	50	2127	3076	3216	3706	3283	4117	4241	4671	1018	1222	1252	1358	2201	2642	2708	2936
1400S-97	0.1017	0.1525	50	3977	5596	5837	6672	6377	7801	8013	8748	2406	2826	2888	3105	5203	6111	6246	6715
1400S-118	0.1242	0.1863	50	5674	7862	8186	9316	9289	11214	11499	12492	3817	4432	4523	4840	8254	9584	9781	10468
1600S-97	0.1017	0.1525	50	3974	5592	5832	6667	6372	7795	8006	8741	2259	2653	2712	2915	4885	5738	5864	6305
1600S-118	0.1242	0.1863	50	5670	7856	8180	9309	9282	11205	11490	12483	3621	4205	4291	4592	7832	9093	9281	9932

Notes:

1. All capacities listed are calculated using AISI S100-16.
2. Web crippling capacities calculated are for studs with stiffened or partially stiffened flanges.
3. Tabulated web crippling capacities are for single members only. For multiple members, multiply the tabulated values by number of members in the assembly.
4. Listed allowable capacities are based on members 'fastened to supports', except back-to-back members under two-flange loading (condition 3 and 4) for which data for 'fastened to support' is unavailable in the AISI S100-16.
5. Listed allowable capacities are for unpunched webs. Capacity reduction for end and interior one flange loading (conditions 1 and 2) near punchouts may be required per Section G6 of S100.

Fasteners (Screws and Welds)

Allowable Screw Connection Capacity (Pounds per Screw)

Thickness (Mils)	Yield Strength F_y (ksi)	Tensile Strength F_u (ksi)	# 6 Screw (0.138" Dia., 1/4" Head)		# 8 Screw (0.164" Dia., 5/16" Head)		# 10 Screw (0.190" Dia., 0.340" Head)		# 12 Screw (0.216" Dia., 0.340" Head)		1/4" Screw (0.250" Dia., 0.409" Head)	
			Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension
33	33	45	151	61	164	72	177	84	188	95	203	110
43	33	45	214	79	244	94	263	109	280	124	302	144
54	33	45	214	100	303	118	370	137	394	156	424	180
54	50	65	214	123	303	171	406	198	525	225	613	261
68	33	45	214	123	303	149	406	173	525	196	600	227
68	50	65	214	123	303	173	406	232	525	284	704	328
97	33	45	214	123	303	173	406	232	525	280	704	324
97	50	65	214	123	303	173	406	232	525	300	704	403
118	33	45	214	123	303	173	406	232	525	300	704	396
118	50	65	214	123	303	173	406	232	525	300	704	403

Notes:

1. Allowable screw connection capacities are based on Section J4 of the AISI S100-16.
2. When connecting materials of different steel thicknesses or tensile strengths, use the lowest values. Tabulated values assume two sheets of equal thickness are connected.
3. Screw shear and tension capacities was developed using published screw manufacturer data and evaluation reports available at the time of publications.
4. A nominal shear stress of 42.85ksi and a nominal tension stress of 40.84ksi was used for calculations based on screw manufacturer data.
5. Screw capacities are based on Allowable Strength Design (ASD) and include safety factor of 3.0.
6. When multiple fasteners are used, screws are assumed to have a center-to-center spacing of at least 3 times the nominal diameter (d).
7. Screws are assumed to have a center-of-screw to edge-of-steel dimension of at least 1.5 times the nominal diameter (d) of the screw.
8. Tension capacity is based on the lesser of pullout capacity in sheet closest to screw tip, or pullover capacity for sheet closest to screw head (using head diameter).
9. Note that for all tension values calculated in screw table, pullover values have been reduced by 50% assuming eccentrically loaded connections that produce a non uniform pullover force of the fastener.
10. Screw capacities are governed by a conservative estimate of screw capacity, not by sheet steel failure.
11. For higher screw capacities, especially for screw strength, use specific screws from specific manufacturer. See manufacturer's data for specific allowable values and installation instructions.

Allowable Weld Capacity (Pounds) for 1-inch of Weld

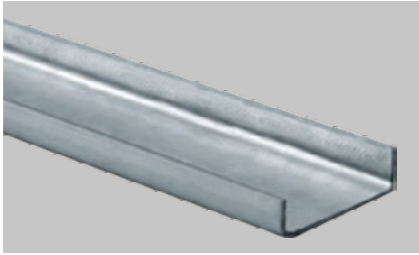
Thickness (Mils)	Design Thickness (in)	Yield Strength F_y (ksi)	Tensile Strength F_u (ksi)	Fillet Welds		Flare Groove Welds	
				Parallel	Perpendicular	Parallel	Perpendicular
68	0.0713	33	45	1082	1365	859	1048
68	0.0713	50	65	1563	1972	1241	1514
97	0.1017	33	45	1618	1947	1226	1495
97	0.1017	50	65	2337	2813	1771	2159
118	0.1242	33	45	<i>Note 1</i>	<i>Note 1</i>	<i>Note 2</i>	<i>Note 2</i>
118	0.1242	50	65	<i>Note 1</i>	<i>Note 1</i>	<i>Note 2</i>	<i>Note 2</i>

Notes:

1. Allowable weld capacities are based on Section J2.4 (for fillet welds) and J2.5 (for flare groove welds) of the AISI S100-16.
2. When connecting materials of different steel thicknesses or tensile strengths, use the lowest values.
3. Weld capacities are based on Allowable Strength Design (ASD) and include appropriate safety factors.
4. Weld capacities are based on either 3/32" or 1/8" diameter E60 or E70 Electrodes. For thinner materials, 0.030" to 0.035" diameter wire electrodes may provide best results.
5. Parallel capacity is considered to be loading in the direction of the weld.
6. For flare groove welds, the effective throat of weld is conservatively assumed to be less than 2t.

Note 1: For fillet welds, AISI S100 Equation E2.5-4 must be checked for 118 mil material, or whenever the thickness of thinnest part is greater than 0.10-inch.

Note 2: For flare groove welds, AISI S100 Equation E2.6-4 must be checked for 118 mil material, or whenever the thickness of thinnest part is greater than 0.10-inch.

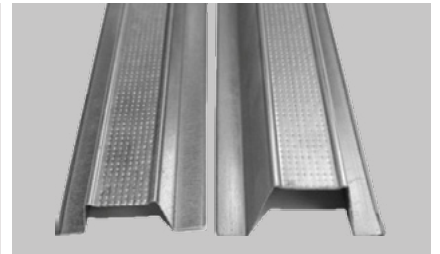


U-Channel

U-Channel is available in 16ga (.054") steel with 1/2" legs. Standard widths are 3/4", 1-1/2" and 2".

Furring (Hat) Channel

Furring (Hat) Channel is available in 7/8" and 1-1/2" heights. Available in 25ga (.018"), 22ga (.027"), 20ga (.030" & .033"), 18ga (.043") and 16ga (.054").

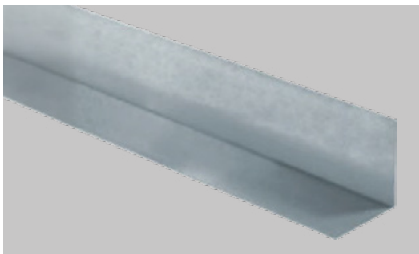
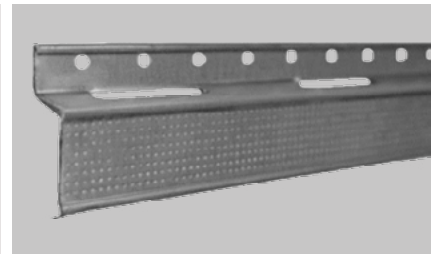


Z-Furring

Z-Furring is available in depths of 1-1/2", 2", 2-1/2", 3" and 4". Available in 25ga (.018"), 22ga (.027"), 20ga (.030" & .033"), 18ga (.043"), 16ga (.054") and 14ga (.068"). *

Resilient Channel (RC-1)

Resilient Channel is available in 25ga (.018") and deluxe version (.024").



Angle

Angle is available with a 90° bend with 3/4" to 3" legs. Available in 25ga (.018"), 22ga (.027"), 20ga (.030" & .033"), 18ga (.043"), 16ga (.054"), 14ga (.068") and 12ga (.097"). *

Flat Stock

Flat Stock is available from 1-1/2" wide thru 12" wide. Available in 25ga (.018"), 22ga (.027"), 20ga (.030" & .033"), 18ga (.043"), 16ga (.054"), 14ga (.068") and 12ga (.097"). *

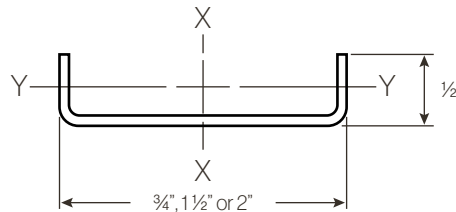


* Custom sizes available.

U-Channel Section Properties

Section	Design Thickness (in)	F _y (ksi)	Gross Properties						33 ksi Effective Properties			
			Area (in ²)	Weight (lb/ft)	I _{xx} (in ⁴)	R _x (in)	I _{yy} (in ⁴)	R _y (in)	I _{xx} (in ⁴)	S _{xx} (in ³)	M _{5-D} (in-k)	V ₅₀ (lb)
075UC-54	0.0566	33	0.087	0.296	0.007	0.289	0.002	0.156	0.007	0.019	0.459	315
150UC-54	0.0566	33	0.130	0.441	0.039	0.549	0.003	0.146	0.039	0.052	1.230	840
200UC-54	0.0566	33	0.158	0.537	0.080	0.711	0.003	0.137	0.080	0.080	1.883	1190

1. Calculated properties are based on AISI S100-16, "North American Specification for Design of Cold-Formed Steel Structure Members."
2. Minimum base metal thickness is 95% of design thickness.
3. Effective properties are based on F_y=33ksi.



U-Channel Allowable Ceiling Spans • Deflection Limit L/360

Section	Spans	4 psf Channel Spacing (in) o.c.					6 psf Channel Spacing (in) o.c.					13 psf Channel Spacing (in) o.c.					15 psf Channel Spacing (in) o.c.				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075UC-54	Single	3'5"	3'0"	2'9"	2'6"	2'4"	3'0"	2'7"	2'4"	2'2"	2'1"	2'4"	2'0"	1'10"	1'8"	1'7"	2'2"	1'11"	1'9"	1'7"	1'6"
	Multiple	4'2"	3'8"	3'4"	3'1"	2'11"	3'8"	3'2"	2'11"	2'8"	2'7"	2'10"	2'6"	2'3"	2'1"	1'11"	2'8"	2'4"	2'2"	2'0"	1'9"
150UC-54	Single	5'6"	4'10"	4'5"	4'1"	3'10"	4'10"	4'3"	3'10"	3'7"	3'5"	3'9"	3'4"	3'0"	2'9"	2'7"	3'7"	3'2"	2'10"	2'7"	2'5"
	Multiple	7'1"	6'2"	5'8"	5'3"	4'11"	6'2"	5'5"	4'11"	4'7"	4'4"	4'10"	4'2"	3'9"	3'4"	3'0"	4'7"	4'0"	3'6"	3'1"	2'9"
200UC-54	Single	5'10"	5'1"	4'8"	4'4"	4'1"	5'1"	4'6"	4'1"	3'10"	3'7"	4'0"	3'6"	3'2"	3'0"	2'10"	3'10"	3'4"	3'1"	2'10"	2'8"
	Multiple	7'5"	6'6"	5'11"	5'6"	5'2"	6'6"	5'8"	5'2"	4'10"	4'7"	5'1"	4'5"	4'0"	3'9"	3'6"	4'10"	4'3"	3'10"	3'7"	3'2"

U-Channel Allowable Ceiling Spans • Deflection Limit L/240

Section	Spans	4 psf Channel Spacing (in) o.c.					6 psf Channel Spacing (in) o.c.					13 psf Channel Spacing (in) o.c.					15 psf Channel Spacing (in) o.c.				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075UC-54	Single	3'11"	3'5"	3'1"	2'11"	2'9"	3'5"	3'0"	2'9"	2'6"	2'4"	2'8"	2'4"	2'1"	1'11"	1'9"	2'6"	2'2"	2'0"	1'10"	1'8"
	Multiple	4'10"	4'2"	3'10"	3'7"	3'4"	4'2"	3'8"	3'4"	3'1"	2'10"	3'3"	2'9"	2'4"	2'1"	1'11"	3'1"	2'7"	2'2"	2'0"	1'9"
150UC-54	Single	5'6"	4'10"	4'5"	4'1"	3'10"	4'10"	4'3"	3'10"	3'7"	3'5"	3'9"	3'4"	3'0"	2'9"	2'7"	3'7"	3'2"	2'10"	2'7"	2'5"
	Multiple	7'1"	6'2"	5'8"	5'3"	4'11"	6'2"	5'5"	4'11"	4'7"	4'4"	4'10"	4'2"	3'9"	3'4"	3'0"	4'7"	4'0"	3'6"	3'1"	2'9"
200UC-54	Single	5'10"	5'1"	4'8"	4'4"	4'1"	5'1"	4'6"	4'1"	3'10"	3'7"	4'0"	3'6"	3'2"	3'0"	2'10"	3'10"	3'4"	3'1"	2'10"	2'8"
	Multiple	7'5"	6'6"	5'11"	5'6"	5'2"	6'6"	5'8"	5'2"	4'10"	4'7"	5'1"	4'5"	4'0"	3'9"	3'6"	4'10"	4'3"	3'10"	3'7"	3'2"

U-Channel Allowable Ceiling Spans • Deflection Limit L/120

Section	Spans	4 psf Channel Spacing (in) o.c.					6 psf Channel Spacing (in) o.c.					13 psf Channel Spacing (in) o.c.					15 psf Channel Spacing (in) o.c.				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075UC-54	Single	4'10"	4'1"	3'7"	3'3"	3'0"	4'1"	3'5"	3'0"	2'9"	2'6"	2'11"	2'5"	2'2"	1'11"	1'9"	2'9"	2'4"	2'0"	1'10"	1'8"
	Multiple	5'5"	4'6"	4'2"	3'10"	3'5"	4'6"	3'11"	3'5"	3'2"	2'11"	3'5"	2'9"	2'4"	2'1"	1'11"	3'1"	2'7"	2'2"	2'0"	1'9"
150UC-54	Single	5'6"	4'10"	4'5"	4'1"	3'10"	4'10"	4'3"	3'10"	3'7"	3'5"	3'9"	3'4"	3'0"	2'9"	2'7"	3'7"	3'2"	2'10"	2'7"	2'5"
	Multiple	7'1"	6'2"	5'8"	5'3"	4'11"	6'2"	5'5"	4'11"	4'7"	4'4"	4'10"	4'2"	3'9"	3'4"	3'0"	4'7"	4'0"	3'6"	3'1"	2'9"
200UC-54	Single	5'10"	5'1"	4'8"	4'4"	4'1"	5'1"	4'6"	4'1"	3'10"	3'7"	4'0"	3'6"	3'2"	3'0"	2'10"	3'10"	3'4"	3'1"	2'10"	2'8"
	Multiple	7'5"	6'6"	5'11"	5'6"	5'2"	6'6"	5'8"	5'2"	4'10"	4'7"	5'1"	4'5"	4'0"	3'9"	3'6"	4'10"	4'3"	3'10"	3'7"	3'2"

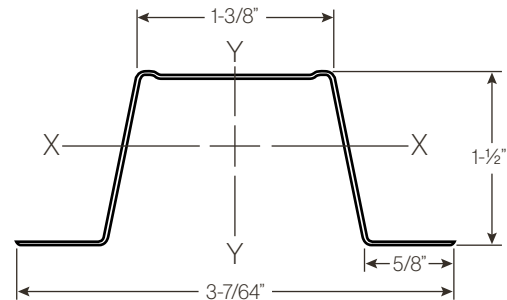
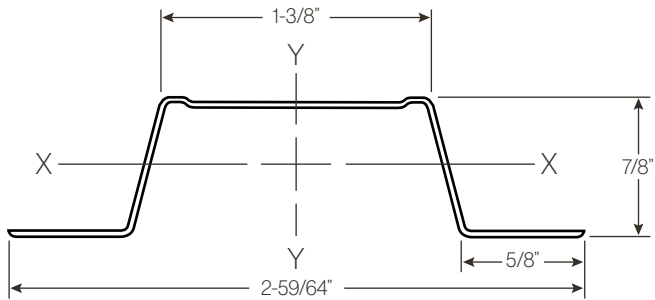
1. Allowable ceiling spans are based on effective properties.
2. Multiple span indicates two or more equal spans with channel continuous over interior supports.
3. Bearing length = 0.75".
4. Table values are based on the compression flange laterally unsupported.

Furring (Hat) Channel Section Properties

Section	Design Thickness (in)	F _y (ksi)	Gross Properties						33 ksi Effective Properties			
			Area (in ²)	Weight (lb/ft)	I _{xx} (in ⁴)	R _x (in)	I _{yy} (in ⁴)	R _y (in)	I _{xx} (in ⁴)	S _{xx} (in ³)	M _{u,D} (ft-lb)	V _u (lb)
087FC-18	0.0188	33	0.080	0.271	0.011	0.365	0.053	0.819	0.009	0.016	26.59	369
087FC-27	0.0283	33	0.118	0.400	0.015	0.362	0.079	0.820	0.015	0.029	47.16	523
087FC-30	0.0312	33	0.129	0.439	0.017	0.360	0.087	0.821	0.017	0.033	53.89	565
087FC-33	0.0346	33	0.142	0.483	0.018	0.359	0.096	0.821	0.018	0.038	61.88	612
087FC-43	0.0451	33	0.181	0.615	0.023	0.356	0.122	0.822	0.023	0.051	83.61	739
150FC-18	0.0188	33	0.103	0.352	0.036	0.591	0.077	0.861	0.032	0.035	57.20	605
150FC-27	0.0283	33	0.153	0.522	0.053	0.587	0.114	0.862	0.051	0.060	98.15	965
150FC-30	0.0312	33	0.168	0.573	0.058	0.585	0.125	0.862	0.057	0.068	111.45	1053
150FC-33	0.0346	33	0.186	0.632	0.063	0.584	0.138	0.862	0.063	0.077	127.26	1153
150FC-43	0.0451	33	0.238	0.810	0.080	0.579	0.177	0.863	0.080	0.104	171.31	1444

Notes:

1. Effective properties are based on AISI S100-16, "North American Specification for Design of Cold-Formed Steel Structure Members" 2016 edition.
2. Design thickness used for determination of properties. Minimum delivered thickness must be no less than 95% of design thickness.
3. For deflection calculations, use the effective moment of inertia, I_{xx}.
4. Effective properties are given as the minimum value for positive or negative bending.



Furring (Hat) Channel Allowable Ceiling Spans • Deflection Limit L/360

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

Furring (Hat) Channel Allowable Ceiling Spans • Deflection Limit L/240

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

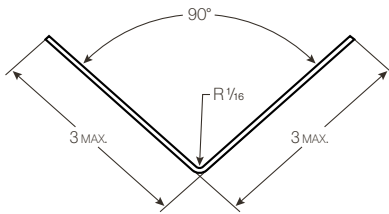
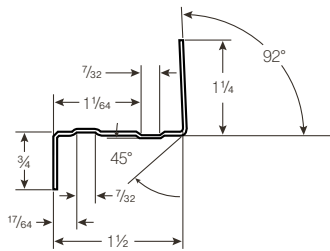
Notes:

1. Single spans taken as the minimum span based on moment, shear, web crippling or deflection.
2. Multiple spans indicate two or more equal, continuous spans with span length measured support to support.
3. Multiple spans taken as minimum span based on moment, shear, web crippling, deflection combined bending and shear or combined bending and web crippling.
4. Web crippling values based on 1" bearing at end and interior supports.

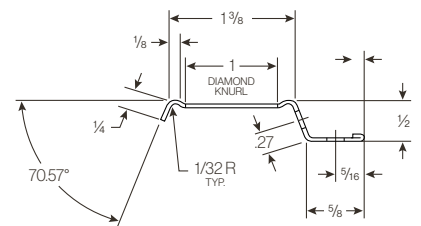
Z-Furring		
Section	F _y (ksi)	Design Thickness (in)
150ZF-18	33	0.0188
150ZF-27	33	0.0283
150ZF-30	33	0.0312
150ZF-33	33	0.0346
150ZF-43	33	0.0451
150ZF-54	50	0.0566
150ZF-68	50	0.0713
200ZF-18	33	0.0188
200ZF-27	33	0.0283
200ZF-30	33	0.0312
200ZF-33	33	0.0346
200ZF-43	33	0.0451
200ZF-54	50	0.0566
200ZF-68	50	0.0713
250ZF-18	33	0.0188
250ZF-27	33	0.0283
250ZF-30	33	0.0312
250ZF-33	33	0.0346
250ZF-43	33	0.0451
250ZF-54	50	0.0566
250ZF-68	50	0.0713
300ZF-18	33	0.0188
300ZF-27	33	0.0283
300ZF-30	33	0.0312
300ZF-33	33	0.0346
300ZF-43	33	0.0451
300ZF-54	50	0.0566
300ZF-68	50	0.0713
400ZF-18	33	0.0188
400ZF-27	33	0.0283
400ZF-30	33	0.0312
400ZF-33	33	0.0346
400ZF-43	33	0.0451
400ZF-54	50	0.0566
400ZF-68	50	0.0713

Rolled Angles		
Section	F _y (ksi)	Design Thickness (in)
075A-18	33	0.0188
075A-27	33	0.0283
075A-30	33	0.0312
075A-33	33	0.0346
075A-43	33	0.0451
075A-54	50	0.0566
075A-68	50	0.0713
075A-97	50	0.1017
100A-18	33	0.0188
100A-27	33	0.0283
100A-30	33	0.0312
100A-33	33	0.0346
100A-43	33	0.0451
100A-54	50	0.0566
100A-68	50	0.0713
100A-97	50	0.1017
150A-18	33	0.0188
150A-27	33	0.0283
150A-30	33	0.0312
150A-33	33	0.0346
150A-43	33	0.0451
150A-54	50	0.0566
150A-68	50	0.0713
150A-97	50	0.1017
200A-18	33	0.0188
200A-27	33	0.0283
200A-30	33	0.0312
200A-33	33	0.0346
200A-43	33	0.0451
200A-54	50	0.0566
200A-68	50	0.0713
200A-97	50	0.1017
300A-18	33	0.0188
300A-27	33	0.0283
300A-30	33	0.0312
300A-33	33	0.0346
300A-43	33	0.0451
300A-54	50	0.0566
300A-68	50	0.0713
300A-97	50	0.1017

Flat Stock					
Section	F _y (ksi)	Design Thickness (in)	Section	F _y (ksi)	Design Thickness (in)
150FS-18	33	0.0188	600FS-18	33	0.0188
150FS-27	33	0.0283	600FS-27	33	0.0283
150FS-30	33	0.0312	600FS-30	33	0.0312
150FS-33	33	0.0346	600FS-33	33	0.0346
150FS-43	33	0.0451	600FS-43	33	0.0451
150FS-54	50	0.0566	600FS-54	50	0.0566
150FS-68	50	0.0713	600FS-68	50	0.0713
150FS-97	50	0.1017	600FS-97	50	0.1017
200FS-18	33	0.0188	800FS-18	33	0.0188
200FS-27	33	0.0283	800FS-27	33	0.0283
200FS-30	33	0.0312	800FS-30	33	0.0312
200FS-33	33	0.0346	800FS-33	33	0.0346
200FS-43	33	0.0451	800FS-43	33	0.0451
200FS-54	50	0.0566	800FS-54	50	0.0566
200FS-68	50	0.0713	800FS-68	50	0.0713
200FS-97	50	0.1017	800FS-97	50	0.1017
300FS-18	33	0.0188	1000FS-18	33	0.0188
300FS-27	33	0.0283	1000FS-27	33	0.0283
300FS-30	33	0.0312	1000FS-30	33	0.0312
300FS-33	33	0.0346	1000FS-33	33	0.0346
300FS-43	33	0.0451	1000FS-43	33	0.0451
300FS-54	50	0.0566	1000FS-54	50	0.0566
300FS-68	50	0.0713	1000FS-68	50	0.0713
300FS-97	50	0.1017	1000FS-97	50	0.1017
400FS-18	33	0.0188	1200FS-18	33	0.0188
400FS-27	33	0.0283	1200FS-27	33	0.0283
400FS-30	33	0.0312	1200FS-30	33	0.0312
400FS-33	33	0.0346	1200FS-33	33	0.0346
400FS-43	33	0.0451	1200FS-43	33	0.0451
400FS-54	50	0.0566	1200FS-54	50	0.0566
400FS-68	50	0.0713	1200FS-68	50	0.0713
400FS-97	50	0.1017	1200FS-97	50	0.1017
500FS-18	33	0.0188			
500FS-27	33	0.0283			
500FS-30	33	0.0312			
500FS-33	33	0.0346			
500FS-43	33	0.0451			
500FS-54	50	0.0566			
500FS-68	50	0.0713			
500FS-97	50	0.1017			



Resilient Channel (RC-1)		
Section	F _y (ksi)	Design Thickness (in)
600FS-18	33	0.0188
137RC1-24	33	0.0253



Catalog

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