



Expanding Your Solutions

Steel Framing and Accessories

ICC ESR-3016 | 2012, 2015, 2018, 2021 IBC and IRC

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Introduction

CEMCO®

CEMCO, LLC a JFE Shoji America company, was founded in 1974. CEMCO is the leader in quality, service, and product development, always striving to deliver the cutting-edge solutions that save both time and money during the entire construction process. Our commitment to quality control and the use of mill-certified hot-dipped galvanized steel ensures stellar product performance long after the project is finished.

CEMCO manufactures all of our products in the USA in each of our four state-of-the-art facilities located in City of Industry, CA; Pittsburg, CA; Denver, CO; and Ft. Worth, TX.

CEMCO is one of the few manufacturers to produce all of our products from high quality mill-certified hot-dipped galvanized steel. Our products are manufactured to the stringent tolerances established by the American Iron and Steel Institute, and the most recent IBC, IRC, and CBC Building Codes.

We are proud to offer one of the broadest product lines available in the cold-formed steel-framing industry. Each of our products has been manufactured here in the USA, and typically qualifies for credits in the US-GBC's Leadership in Energy and Environmental Design program, commonly known as LEED. Our metal lath, plastering accessories, and water management products are manufactured to handle both interior and exterior applications. Like all CEMCO products, they're produced from high-quality, mill-certified hot-dipped galvanized steel to guarantee proper performance long after the finish coat is applied.

With our state-of-the-art facilities, CEMCO can handle any size construction project. We distribute products throughout the United States, Canada, Mexico, and the Pacific Rim. Our products are available only through building material dealers, who work closely with contractors on technical assistance, specifications and submittals.

All of our CEMCO literature, product data, and catalog information are located on our website at www.cemcosteel.com.

Disclaimer

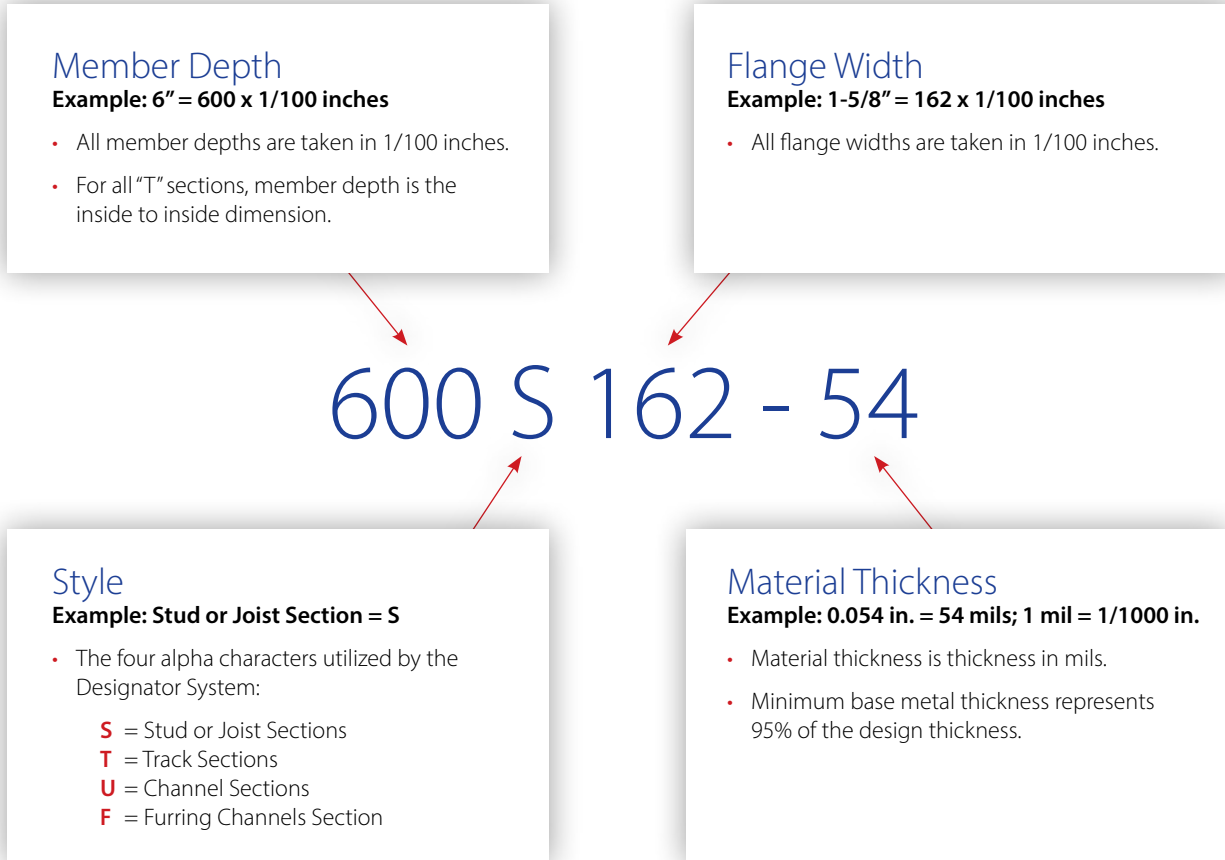
All data, specifications, and details contained in this publication are intended as a general guide for using CEMCO cold-formed steel framing products and accessories. These products are not to be used in design or construction without an independent evaluation by a licensed and qualified engineer or architect to verify the suitability of a particular product for use in a specific application. CEMCO and its entities assume no liability for failure resulting from the use or misapplication of computations, detail drawings, and specifications contained herein. This publication contains the latest information available at the time of printing. CEMCO and its entities reserve the right to make changes or modifications to the materials of any of its products without prior notice or obligation. Contact CEMCO at 800-775-2362 or www.cemcosteel.com for the latest information on these or any other CEMCO products.



Product Identification

Introduction to CEMCO Nomenclature

CEMCO and other industry leaders have developed a four part identification code which identifies the size (both depth, and flange width), style, and material thickness of each member.



Note: For those sections where two different yield strengths (33 ksi and 50 ksi) are shown, the yield strength used in the design, if greater than 33 ksi, needs to be identified on the design and ordering of steel. (i.e. 600S162-54 (50 ksi))

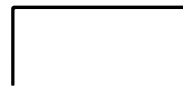
C-Stud/Joist
S-Sections



Track
T-Sections



Channel
U-Sections



Furring Channel
F-Sections



Product Identification

Code Approvals

Products manufactured by CEMCO are recognized by the ICC Evaluation Services' ICC ES ESR-3016 and under the tolerances of a code compliance program. Code approvals include 2012, 2015, 2018, 2021 IBC; 2013, 2016, 2019, 2022 CBC, and the 2015, 2018, 2021 IRC.

Material Specifications

Products manufactured by CEMCO are formed from hot-dipped galvanized steel meeting or exceeding the following ASTM, AISI standards, UL, Intertek, and additional code approval agencies.

Product Type	Material Specifications	Min. Yield	Min. Tensile	Min. Metallic Coating Designation
Non-Structural ASTM C645	ASTM A653, SS Grade 33	33 ksi	45 ksi	G40 ¹
	ASTM A1003, Grade 33 (NS33)	33 ksi	45 ksi	G40 ¹ , A40 ¹ , AZ50 ² , GF30 ³ , T1-25 ⁴ , T2-100 ⁴ , 60G/60G ⁵
Structural Products ASTM C955 (CP60 Coatings) ⁴	ASTM A653, SS Grade 33	33 ksi	45 ksi	G60 ¹ , A60 ¹
	ASTM A653, SS GRADE 50 Class 1	50 ksi	65 ksi	G60 ¹ , A60 ¹
	ASTM A1003, Grade 50 Type H (ST50H)	50 ksi	65 ksi	G60 ¹ , A60 ¹ , AZ50 ² , GF30 ³

Notes:

1. A653 Standard for steel sheet, zinc coated (galvanized) or zinc-iron alloy (galvannealed) by the hot-dip process.
2. A792 Standard for steel sheet, 55% aluminum-zinc alloy-coated by the hot-dip process.
3. A875 Standard for steel sheet, zinc-5% aluminum coated by the hot-dip process.

CEMCO Steel framing products are manufactured according to the AISI specification for the Design of Cold-Formed Steel Structural Member, AISI S100 AISI. The 2022 CBC is acceptable for use in fire and sound rated assemblies listed in the Code and Gypsum Association Fire Resistance Design Manual.

UL® testing Standards and UL® Certified Products and Follow-Up Service.

Intertek Fire Endurance Test Program.

- ASTM C955 (Structural Product)
- ASTM C1007 (Structural Installation)
- ASTM A924/A924M (Coating)
- ASTM A653/A653M (Steel)
- ASTM A1003/A1003M
- ASTM C645 (Non-Structural Product)
- ASTM C754 (Non-Structural Installation)

LEED Certification

LEED v4.1 – BD & C: Building Design and Construction (Most Relevant for Cold-Formed Steel Framing)

Materials and Resources

Building Life Cycle Impact Reduction (up to 4 points)

- Option 3: Building and Material Reuse
- 2 points for 25% reuse
- 3 points for 50% reuse
- 4 points for 75% reuse

Building Product Disclosure and Optimization – Environmental Product Declarations (up to 2 points)

- Option 1: Environmental Product Declaration (EPD)
- Option 2: Industry-wide EPD for cold-formed steel

Building Product Disclosure and Optimization – Sourcing of Raw Materials (up to 2 points)

- Option 1: Leadership Extraction Practices
- Option 2: Points based on recycled content of CFS products

Construction and Demolition Waste Management (up to 2 points)

- 1 point for 50% waste diversion
- 2 points for 75% waste diversion

Recycled Content

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%

Proposition 65

California's Proposition 65 Warning

California's Safe Drinking Water and Toxic Enforcement Act of 1986 – commonly referred to as Proposition 65 ("Prop 65") (27 Cal. Code Reg. § 25600, et seq.) – has recently changed, requiring manufacturers to provide a warning based on its knowledge about the presence of one or more of the almost 900 listed chemicals which are known to the State of California to cause cancer and birth defects, or other reproductive harm. With a few exceptions, manufacturers operating in the state of California as well as those entities who distribute, import, package, and/or supply products into the State of California are now required provide a "clear and reasonable" warning to consumers that their products may contain one or more of these listed chemicals or compounds. The complete list is available at www.P65Warnings.ca.gov.

In compliance with the new requirements, we are notifying each of our customers that CEMCO products contain Nickel (metallic) and/or other chemicals listed which are known to the State of California to cause cancer and birth defects or other reproductive harm. Safety data sheets from our major suppliers are available from CEMCO on our website at www.cemcosteel.com.

Thickness Table					
Steel Thickness (mils)	Design Thickness (in)	Minimum Thickness (in)	Inside Corner Radii	Gauge No.	Color Code
33	0.0346	0.0329	0.0764	20-Structural	White
43	0.0451	0.0428	0.0712	18	Yellow
54	0.0566	0.0538	0.0849	16	Green
68	0.0713	0.0677	0.1069	14	Orange
97	0.1017	0.0966	0.1525	12	Red
118	0.1242	0.1180	0.1863	10	Blue

Design Stiffening Lip Length		
Section	Flange Width (in)	Design Stiffening Lip Length (in)
S137	1-3/8	0.375
S162	1-5/8	0.500
S200	2	0.625
S250	2-1/2	0.625
S300	3	0.875
S350	3-1/2	1

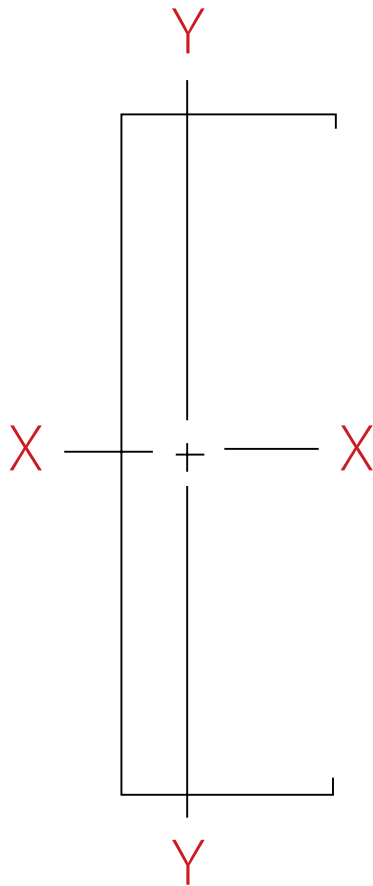
Notes:

1. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site based on A2.4 of the AISI S100-2012.
2. The tables in this catalog are calculated based on the inside corner radii listed on this table.
3. The inside corner radius is the maximum of $3/32-t/2$, or 1.5t.

General Notes for All Tables

1. The values in this catalog are based on the 2016 edition of the North American Specification for the Design of Cold-Formed Steel Structural Members, AISI S100-16 as referenced by 2012, 2015, 2018, 2021 International Building Code (IBC).
2. Where AISI S100 is referenced, it is the "North American Specification for the Design of Cold-Formed Steel Structural Members", S100-16.
3. The structural properties included in this catalog have been computed based on allowable strength design (ASD) method.
4. Distortional buckling calculations are based on the $K\Phi = 0$.
5. The effective moment of inertia for deflection is calculated at a stress which results in a section modulus such that the stress times the section modulus at that stress is equal to the allowable moment AISI S100 Procedure 1 for serviceability determination has been used.
6. Various sections may be manufactured with yield strength of either 33 or 50 ksi. The yield strength used for calculations is indicated in the tables.
7. Conditions with loads that exceed the 10 psf limit for non-structural members require an approved CP60 coating.
8. 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 greater than 2.5 inches deep are a maximum of 1.5 inches wide x 3.250 inches long. Members with depths of 2.5 inches and smaller are maximum of 3/4" wide x 2 inches long. Any configuration or combination of holes that fit within the punchout width and length limitations mentioned above shall be permitted; other punchout configurations and locations not in compliance with limitations listed above is permitted provided it is approved by a design professional.

Definitions of Structural Property Symbols



Gross Section Properties

Symbol	Definition
I_x	Moment of inertia of the cross section about the X-axis.
S_x	Section modulus about the X-axis.
R_x	Radius of gyration of cross section about the X-axis.
I_y	Moment of inertia of cross section about the Y-axis.
R_y	Radius of gyration of cross section about the Y-axis.

Effective Section Properties

Symbol	Definition
I_{xe}	Effective moment of inertia about the X-axis.
S_{xe}	Effective section modulus about the X-axis.
M_{al}	Allowable moment based on local buckling.
M_{nd}	Nominal moment based on distortional buckling, assuming $K\Phi = 0$.
M_{ad}	Allowable moment based on distortional buckling, assuming $K\Phi = 0$. $M_{ad} = M_{nd}/\Omega$ ($\Omega = 1.67$ for members).
M_a	Allowable moment for track and channel members, based on local buckling only.
V_{ag}	Allowable strong axis shear away from punchout, calculated in accordance with AISI S100 section C3.2.1.
V_{anet}	Allowable strong axis shear at the punchout, calculated in accordance with AISI S100 C3.2.1.

Torsional and Other Properties

Symbol	Definition
J	St. Venant torsional constant. The numbers shown in tables for J , have been multiplied by 1000. The actual values can be obtained by dividing the listed numbers by 1000.
C_w	Torsion warping constant.
X_o	Distance from the shear center to the centroid along the principal X-axis.
m	Distance from shear center to mid-plane of web.
R_o	Polar radius of gyration of cross section about the shear center.
β	$1 - (X_o/R_o)^2$
L_u	Critical unbraced length for lateral-torsional buckling. Members are considered fully braced when unbraced length is less than L_u .
$K\Phi$	Distortional buckling moment (M_{ad}) is calculated without the beneficial effect of Sheathing to rotational stiffness, $K\Phi = 0$.

Web Depth-to-Thickness (h/t) Ratios^{2,3,4}

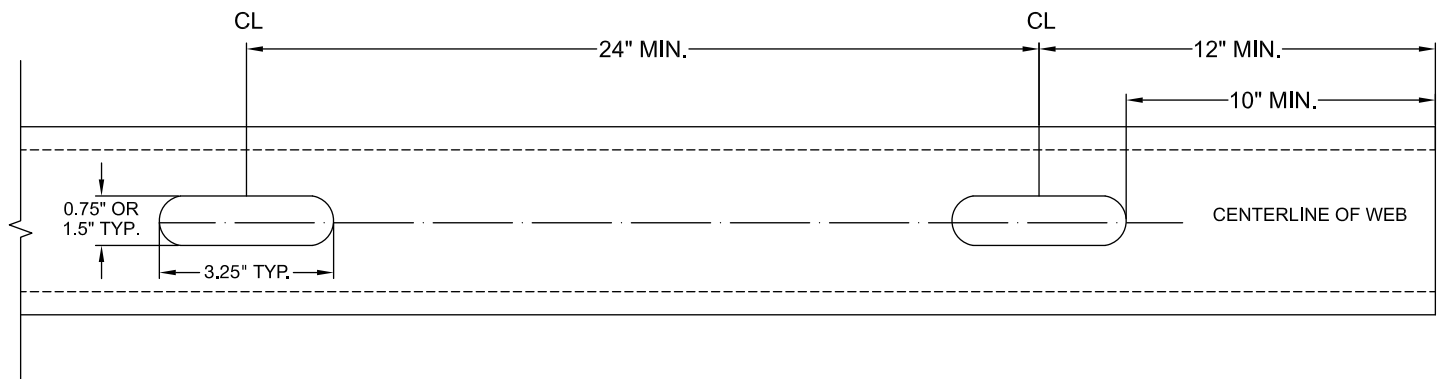
Mil Thickness	33 mil		43 mil		54 mil		68 mil		97 mil		118 mil	
Design Thickness (in)	0.0346		0.0451		0.0566		0.0713		0.1017		0.1242	
Inside Bend Radius (in)	0.0765		0.0712		0.0849		0.1069		0.1526		0.1863	
Web Depth (in)	h (in)	h/t	h (in)	h/t	h (in)	h/t	h (in)	h/t	h (in)	h/t	h (in)	h/t
1.625	1.403	41	1.392	31	1.342	24	1.269	18	1.116	11	1.004	8
2.5	2.278	66	2.267	50	2.217	39	2.144	30	1.991	20	1.879	15
3.5	3.278	95	3.267	72	3.217	57	3.144	44	2.991	29	2.879	23
3.625	3.403	98	3.392	75	3.342	59	3.269	46	3.116	31	3.004	24
4	3.778	109	3.767	84	3.717	66	3.644	51	3.491	34	3.379	27
5.5	5.278	153	5.267	117	5.217	92	5.144	72	4.991	49	4.879	39
6	5.778	167	5.767	128	5.717	101	5.644	79	5.491	54	5.379	43
8	7.778	225 ¹	7.767	172	7.717	136	7.644	107	7.491	74	7.379	59
10	9.778	-	9.767	217 ¹	9.717	172	9.644	135	9.491	93	9.379	76
12	11.778	-	11.767	-	11.717	207 ¹	11.644	163	11.491	113	11.379	92
14	13.778	-	13.767	-	13.717	242 ¹	13.644	191	13.491	133	13.379	108

Notes:

- h/t exceeds 200.
- h value used for h/t calculation is the flat width of the web. For (S) members, this is the out-to-out member size, minus twice the thickness, minus twice the inside bend radius.
- h/t values exceeding 260 are marked with a dash (-).
- h/t values in this table apply to S (studs and joists) members only, and do not apply to tracks and channels.

Section Property Table Notes

- Web depth for track sections equals nominal depth plus 2 times the design thickness plus bend radius.
- The centerline bend radius is based on inside corner radii shown in the Steel Thickness table found in this catalog.
- Effective properties include the strength increase from cold-work of forming per AISI S100 section A7.2 where applicable.
- Tabulated gross properties are based on full, unreduced section away from punchouts.
- Effective properties for all "S" sections based on punched sections. Track sections are considered unpunched.
- Allowable moment is the lesser of M_{al} and M_{ad} . Stud distortional buckling is based on an assumed $K\Phi = 0$.
- For deflection determination, use the effective moment of inertia.
- For sections with properties listed for both 33ksi and 50 ksi yield point, the required yield point should be specified in the design documents.
- Where effective properties are not listed for a section at 33 ksi or 50 ksi, web-to-thickness limits from the AISI S100 are exceeded, only gross properties are available.





Member	Design Thickness (in)	Fy (KSI)	Fya (KSI)	Gross							Effective Properties						Torsional Properties					Lu (in)	
				Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Sx (in ³)	Rx (in)	Iy (in ⁴)	Ry (in)	Ix (in ⁴)	Sx (in ³)	Ma (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	m (in)	Ro (in)		Beta
250S137-33	0.0346	33	33.0	0.197	0.67	0.203	0.163	1.015	0.052	0.515	0.203	0.158	3.11	3.09	975	399	0.079	0.076	-1.141	0.677	1.612	0.499	35.5
250S137-43	0.0451	33	36.9	0.255	0.87	0.261	0.208	1.010	0.067	0.511	0.261	0.205	4.53*	4.60	1265	394	0.173	0.096	-1.129	0.670	1.599	0.501	33.7
250S137-54	0.0566	50	56.2	0.316	1.07	0.318	0.255	1.004	0.080	0.504	0.318	0.244	8.22*	8.34	2353	565	0.337	0.115	-1.115	0.663	1.583	0.504	27.0
250S137-68	0.0713	50	57.8	0.390	1.33	0.386	0.309	0.994	0.095	0.495	0.386	0.308	10.65*	10.67	2866	519	0.661	0.138	-1.096	0.653	1.561	0.507	26.8
250S137-97	0.1017	50	60.8	0.533	1.81	0.506	0.405	0.975	0.120	0.475	0.506	0.405	14.75*	14.75	3798	429	1.839	0.176	-1.057	0.633	1.514	0.513	26.5
250S162-33	0.0346	33	33.0	0.223	0.76	0.235	0.188	1.027	0.087	0.624	0.235	0.180	3.55	3.56	975	399	0.089	0.146	-1.470	0.859	1.898	0.401	44.1
250S162-43	0.0451	33	36.3	0.289	0.98	0.302	0.242	1.022	0.111	0.620	0.302	0.240	5.22*	5.25	1265	394	0.196	0.184	-1.457	0.852	1.885	0.402	42.0
250S162-54	0.0566	50	55.3	0.358	1.22	0.370	0.296	1.016	0.135	0.613	0.370	0.284	9.42*	9.46	2353	565	0.383	0.223	-1.443	0.845	1.868	0.403	33.9
250S162-68	0.0713	50	56.6	0.443	1.51	0.450	0.360	1.007	0.162	0.605	0.450	0.357	12.11*	12.21	2866	519	0.752	0.286	-1.424	0.835	1.846	0.405	33.7
250S162-97	0.1017	50	59.2	0.610	2.07	0.596	0.477	0.989	0.209	0.586	0.596	0.477	16.93*	16.93	3798	429	2.102	0.346	-1.386	0.815	1.801	0.408	33.5
350S162-33	0.0346	33	33.0	0.258	0.88	0.508	0.290	1.404	0.098	0.617	0.508	0.257	5.08	5.22	1024	487	0.103	0.277	-1.324	0.796	2.026	0.573	42.8
350S162-43	0.0451	33	33.0	0.334	1.14	0.658	0.374	1.400	0.125	0.612	0.654	0.357	7.05	7.31	1739	631	0.227	0.350	-1.312	0.789	2.014	0.575	42.6
350S162-54	0.0566	50	50.0	0.415	1.41	0.804	0.460	1.392	0.152	0.606	0.804	0.426	12.74	13.05	3372	947	0.443	0.426	-1.298	0.782	1.998	0.578	34.5
350S162-68	0.0713	50	50.0	0.515	1.75	0.985	0.563	1.383	0.184	0.597	0.985	0.549	16.44	16.84	4202	897	0.872	0.514	-1.280	0.772	1.977	0.581	34.5
350S162-97	0.1017	50	59.2	0.711	2.42	1.320	0.754	1.362	0.238	0.578	1.320	0.738	26.18*	26.74	5704	775	2.452	0.672	-1.242	0.752	1.932	0.587	34.7
350S200-33	0.0346	33	33.0	0.292	0.99	0.598	0.342	1.431	0.175	0.773	0.597	0.283	5.58	5.94	1024	487	0.117	0.541	-1.760	1.039	2.396	0.461	53.7
350S200-43	0.0451	33	33.0	0.379	1.29	0.771	0.441	1.426	0.224	0.768	0.771	0.410	8.09	8.36	1739	631	0.257	0.687	-1.748	1.032	2.383	0.462	53.7
350S200-54	0.0566	50	50.0	0.471	1.60	0.950	0.543	1.420	0.274	0.762	0.950	0.470	14.07	14.86	3372	947	0.503	0.838	-1.733	1.024	2.367	0.464	43.4
350S200-68	0.0713	50	50.0	0.586	1.99	1.167	0.667	1.411	0.333	0.754	1.167	0.638	19.11	19.68	4202	897	0.993	1.018	-1.715	1.014	2.345	0.465	43.5
350S200-97	0.1017	50	57.6	0.813	2.77	1.576	0.901	1.393	0.440	0.736	1.576	0.885	30.51	31.08	5704	775	2.803	1.347	-1.676	0.994	2.300	0.469	40.7
362S137-33	0.0346	33	33.0	0.236	0.80	0.479	0.264	1.424	0.059	0.501	0.479	0.232	4.59	4.73	1024	521	0.094	0.165	-1.003	0.615	1.813	0.694	34.7
362S137-43	0.0451	33	33.0	0.306	1.04	0.616	0.340	1.419	0.075	0.497	0.616	0.320	6.32	6.65	1739	676	0.207	0.208	-0.991	0.608	1.801	0.697	34.6
362S137-54	0.0566	50	50.0	0.379	1.29	0.756	0.417	1.411	0.091	0.490	0.756	0.381	11.42	11.91	3372	1016	0.405	0.251	-0.978	0.601	1.785	0.700	27.9
362S137-68	0.0713	50	50.0	0.470	1.60	0.922	0.509	1.401	0.109	0.480	0.922	0.493	14.77	15.24	4370	1004	0.797	0.302	-0.959	0.592	1.764	0.704	27.8
362S137-97	0.1017	50	60.8	0.648	2.20	1.229	0.678	1.377	0.137	0.460	1.229	0.662	24.10*	24.67	5943	875	2.233	0.390	-0.922	0.573	1.720	0.713	25.1
362S162-33	0.0346	33	33.0	0.262	0.89	0.551	0.304	1.450	0.099	0.616	0.551	0.268	5.29	5.43	1024	521	0.105	0.297	-1.308	0.789	2.048	0.592	42.6
362S162-43	0.0451	33	33.0	0.340	1.16	0.710	0.392	1.445	0.127	0.611	0.710	0.372	7.34	7.62	1739	676	0.230	0.376	-1.297	0.782	2.036	0.594	42.5
362S162-54	0.0566	50	50.0	0.422	1.44	0.873	0.481	1.438	0.154	0.604	0.873	0.444	13.28	13.59	3372	1016	0.451	0.457	-1.283	0.774	2.020	0.597	34.4
362S162-68	0.0713	50	50.0	0.524	1.78	1.069	0.590	1.429	0.186	0.596	1.069	0.574	17.18	17.65	4370	1004	0.887	0.552	-1.264	0.765	1.998	0.600	34.3
362S162-97	0.1017	50	59.2	0.724	2.46	1.435	0.792	1.408	0.241	0.577	1.435	0.776	27.52*	28.08	5943	875	2.496	0.723	-1.226	0.745	1.954	0.606	34.5
362S162-118	0.1242	50	61.1	0.863	2.94	1.672	0.923	1.392	0.273	0.562	1.672	0.923	33.05	33.76	6996	784	4.440	0.828	-1.198	0.731	1.920	0.611	31.1
362S200-33	0.0346	33	33.0	0.297	1.01	0.648	0.358	1.478	0.177	0.772	0.647	0.294	5.81	6.18	1024	521	0.118	0.577	-1.741	1.030	2.411	0.478	53.5
362S200-43	0.0451	33	33.0	0.385	1.31	0.836	0.461	1.474	0.227	0.767	0.836	0.427	8.43	8.70	1739	676	0.261	0.734	-1.729	1.024	2.398	0.480	53.5
362S200-54	0.0566	50	50.0	0.479	1.63	1.030	0.568	1.467	0.277	0.761	1.030	0.490	14.66	15.47	3372	1016	0.511	0.896	-1.715	1.016	2.382	0.482	43.3
362S200-68	0.0713	50	50.0	0.595	2.02	1.265	0.698	1.458	0.337	0.753	1.265	0.666	19.95	20.51	4370	1004	1.008	1.089	-1.696	1.006	2.360	0.484	43.4
362S200-97	0.1017	50	57.6	0.826	2.81	1.711	0.944	1.440	0.446	0.735	1.711	0.928	32.03*	32.57	5943	875	2.847	1.441	-1.658	0.986	2.315	0.487	43.7
362S200-118	0.1242	50	59.2	0.988	3.36	2.006	1.107	1.425	0.513	0.721	2.006	1.088	38.54	39.22	6996	784	5.078	1.664	-1.629	0.971	2.281	0.490	40.1
362S250-43	0.0451	33	33.0	0.430	1.46	0.980	0.541	1.510	0.385	0.946	0.980	0.449	8.88	9.36	1739	676	0.292	1.230	-2.199	1.277	2.830	0.396	64.1
362S250-54	0.0566	50	50.0	0.535	1.82	1.210	0.668	1.504	0.473	0.940	1.205	0.514	15.40	16.54	3372	1016	0.571	1.506	-2.184	1.269	2.813	0.397	51.9
362S250-68	0.0713	50	50.0	0.666	2.27	1.490	0.822	1.496	0.578	0.931	1.490	0.689	20.63	22.17	4370	1004	1.129	1.837	-2.165	1.259	2.791	0.398	52.0
362S250-97	0.1017	50	56.2	0.927	3.16	2.027	1.118	1.478	0.772	0.912	2.027	1.046	35.17*	36.92	5943	875	3.197	2.452	-2.126	1.239	2.746	0.400	52.5
362S250-118	0.1242	50	57.4	1.112	3.78	2.387	1.317	1.465	0.897	0.898	2.387	1.258	43.29	45.30	6996	784	5.717	2.849	-2.097	1.224	2.711	0.402	49.1
362S300-54	0.0566	50	50.0	0.620	2.11	1.422	0.785	1.515	0.822	1.151	1.386	0.628	18.81	19.46	3372	1016	0.662	3.327	-2.860	1.640	3.435	0.307	66.5
362S300-68	0.0713	50	50.0	0.773	2.63	1.756	0.969	1.507	1.010	1.143	1.756	0.812	24.31	26.06	4370	1004	1.310	3.965	-2.841	1.630	3.413	0.307	66.7
362S300-97	0.1017	50	50.0	1.080	3.67	2.400	1.324	1.491	1.368	1.126	2.400	1.259	37.68	39.65	5943	875	3.723	5.337	-2.803	1.610	3.369	0.307	67.3
362S300-118	0.1242	50	56.3	1.298	4.42	2.838	1.566	1.479	1.606	1.112	2.838	1.503	50.63	52.76	6996	784	6.675	6.241	-2.775	1.595	3.335	0.308	63.8
362S350-54	0.0566	50	50.0	0.691	2.35	1.614	0.890	1.528	1.240	1.340	1.518	0.655	19.62	21.31	3372	1016	0.738	5.430	-3.447	1.954	4.001	0.258	78.8
362S350-68	0.0713	50	50.0	0.862	2.93	1.995	1.101	1.521	1.529	1.211	1.980	0.895	26.79	28.62	4370	1004	1.461	6.669	-3.428	1.944	3.980	0.258	79.0
362S350-97	0.1017	50	50.0	1.207	4.11	2.735	1.509	1.505	2.085	1.314	2.735	1.339	40.10	44.06	5943	875	4.162	9.022	-3.391	1.924	3.936	0.258	79.7
362S350-118	0.1242																						



Member	Design Thickness (in)	Fy (KSI)	Fya (KSI)	Gross						Effective Properties						Torsional Properties					Lu (in)		
				Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Sx (in ³)	Rx (in)	Iy (in ⁴)	Ry (in)	Ix (in ⁴)	Sx (in ³)	Ma (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	m (in)		Ro (in)	Beta
550S162-33	0.0346	33	33.0	0.327	1.11	1.458	0.530	2.112	0.113	0.589	1.458	0.512	10.11	8.63	699	699	0.130	0.713	-1.114	0.697	2.459	0.795	41.4
550S162-43	0.0451	33	36.3	0.424	1.44	1.883	0.685	2.107	0.145	0.584	1.883	0.681	14.79*	13.14	1550	1199	0.288	0.905	-1.103	0.691	2.448	0.797	39.2
550S162-54	0.0566	50	55.3	0.528	1.80	2.324	0.845	2.098	0.176	0.577	2.324	0.811	26.86*	23.52	3093	1881	0.564	1.105	-1.090	0.684	2.434	0.800	31.6
550S162-68	0.0713	50	56.6	0.657	2.24	2.861	1.040	2.086	0.212	0.568	2.861	1.031	34.94*	32.28	5350	2532	1.114	1.342	-1.072	0.675	2.414	0.803	31.1
550S162-97	0.1017	50	59.2	0.915	3.11	3.886	1.413	2.061	0.276	0.549	3.886	1.413	49.41	49.41	9518	3026	3.154	1.775	-1.037	0.656	2.372	0.809	30.0
550S200-33	0.0346	33	33.0	0.362	1.23	1.694	0.616	2.164	0.204	0.751	1.694	0.559	11.05	9.80	699	699	0.144	1.326	-1.508	0.925	2.742	0.698	42.1
550S200-43	0.0451	33	33.0	0.469	1.60	2.189	0.796	2.159	0.261	0.746	2.189	0.776	15.34	13.96	1550	1199	0.163	1.691	-1.496	0.918	2.731	0.700	51.7
550S200-54	0.0566	50	50.0	0.585	1.99	2.706	0.984	2.152	0.320	0.739	2.706	0.901	26.98	24.85	3093	1881	0.624	2.072	-1.483	0.911	2.716	0.702	41.8
550S200-68	0.0713	50	55.4	0.729	2.48	3.341	1.215	2.141	0.389	0.731	3.341	1.170	38.83	35.92	5350	2532	1.235	2.531	-1.465	0.902	2.695	0.705	39.6
550S200-97	0.1017	50	57.6	1.016	3.46	4.563	1.659	2.119	0.516	0.712	4.563	1.659	57.25	57.25	9518	3026	3.504	3.384	-1.428	0.882	2.652	0.710	38.6
600S137-33	0.0346	33	33.0	0.318	1.08	1.582	0.527	2.229	0.069	0.464	1.548	0.455	8.98	8.19	638	638	0.127	0.500	-0.807	0.519	2.416	0.889	33.5
600S137-43	0.0451	33	33.0	0.413	1.41	2.042	0.681	2.223	0.087	0.459	2.041	0.455	12.74	11.82	1416	1240	0.280	0.633	-0.796	0.513	2.406	0.890	33.2
600S137-54	0.0566	50	50.0	0.514	1.75	2.518	0.839	2.213	0.105	0.452	2.518	0.777	23.26	21.24	2823	1947	0.549	0.769	-0.784	0.506	2.391	0.893	26.8
600S137-68	0.0713	50	50.0	0.640	2.18	3.094	1.031	2.200	0.125	0.443	3.094	1.030	30.84	28.89	5350	2879	1.084	0.930	-0.768	0.497	2.371	0.895	26.5
600S137-97	0.1017	50	60.8	0.889	3.03	4.188	1.396	2.170	0.159	0.422	4.188	1.396	50.80*	50.80	10472	3805	3.066	1.216	-0.734	0.480	2.330	0.901	23.6
600S162-33	0.0346	33	33.0	0.344	1.17	1.793	0.598	2.282	0.116	0.581	1.793	0.577	11.41	9.47	638	638	0.137	0.861	-1.072	0.677	2.587	0.828	41.1
600S162-43	0.0451	33	36.3	0.447	1.52	2.316	0.772	2.276	0.148	0.576	2.316	0.767	16.68*	14.46	1416	1240	0.303	1.095	-1.062	0.670	2.577	0.830	39.0
600S162-54	0.0566	50	55.3	0.556	1.89	2.860	0.953	2.267	0.180	0.570	2.860	0.916	30.33*	25.90	2823	1947	0.594	1.337	-1.049	0.663	2.562	0.832	31.4
600S162-68	0.0713	50	56.6	0.693	2.36	3.525	1.175	2.255	0.218	0.560	3.525	1.164	39.47*	35.70	5350	2879	1.174	1.626	-1.032	0.655	2.543	0.835	30.8
600S162-97	0.1017	50	59.2	0.966	3.29	4.797	1.599	2.229	0.283	0.541	4.797	1.599	56.73*	56.73	10472	3805	3.329	2.153	-0.997	0.636	2.501	0.841	29.8
600S162-118	0.1242	50	61.1	1.158	3.94	5.652	1.884	2.209	0.321	0.526	5.652	1.884	68.94	68.94	12526	3622	5.956	2.487	-0.971	0.623	2.470	0.845	29.1
600S200-33	0.0346	33	33.0	0.379	1.29	2.075	0.692	2.340	0.209	0.743	2.058	0.621	12.28	10.76	638	638	0.151	1.593	-1.457	0.901	2.855	0.740	51.6
600S200-43	0.0451	33	33.0	0.492	1.67	2.683	0.894	2.335	0.268	0.739	2.683	0.873	17.24	15.39	1416	1240	0.344	2.033	-1.446	0.894	2.844	0.742	51.5
600S200-54	0.0566	50	50.0	0.613	2.09	3.319	1.106	2.327	0.328	0.732	3.319	1.015	30.40	27.38	2823	1947	0.655	2.493	-1.432	0.887	2.829	0.744	41.6
600S200-68	0.0713	50	55.4	0.764	2.60	4.101	1.367	2.316	0.400	0.723	4.101	1.317	43.71*	39.69	5350	2879	1.295	3.047	-1.415	0.878	2.809	0.746	39.3
600S200-97	0.1017	50	57.6	1.067	3.63	5.612	1.871	2.293	0.530	0.705	5.612	1.871	64.53*	63.67	10472	3805	3.679	4.080	-1.378	0.859	2.767	0.752	38.3
600S200-118	0.1242	50	59.2	1.283	4.36	6.641	2.214	2.276	0.611	0.690	6.641	2.214	78.44	78.44	12526	3622	6.595	4.753	-1.351	0.845	2.735	0.756	37.6
600S250-43	0.0451	33	33.0	0.537	1.83	3.082	1.027	2.396	0.458	0.923	3.082	0.918	18.14	16.21	1416	1240	0.364	3.411	-1.874	1.136	3.179	0.652	62.4
600S250-54	0.0566	50	50.0	0.670	2.28	3.819	1.273	2.388	0.562	0.917	3.766	1.069	32.00	28.71	2823	1947	0.715	4.194	-1.860	1.129	3.163	0.654	50.5
600S250-68	0.0713	50	50.0	0.836	2.84	4.727	1.576	2.378	0.688	0.908	4.723	1.386	41.49	39.07	5350	2879	1.416	5.145	-1.842	1.119	3.142	0.656	50.4
600S250-97	0.1017	50	56.2	1.169	3.98	6.496	2.165	2.357	0.923	0.889	6.496	2.063	69.38*	66.81	10472	3805	4.030	6.947	-1.803	1.100	3.098	0.661	47.3
600S250-118	0.1242	50	57.4	1.407	4.79	7.713	2.571	2.342	1.075	0.874	7.713	2.498	85.92	86.83	12526	3622	7.234	8.142	-1.775	1.085	3.066	0.665	46.6
600S300-54	0.0566	50	50.0	0.754	2.57	4.462	1.487	2.432	0.986	1.143	4.332	1.277	38.23	33.68	2823	1947	0.806	8.115	-2.483	1.481	3.659	0.539	59.1
600S300-68	0.0713	50	50.0	0.943	3.21	5.534	1.845	2.423	1.214	1.135	5.534	1.610	48.20	45.90	5350	2879	1.597	9.992	-2.465	1.471	3.638	0.541	59.0
600S300-97	0.1017	50	50.0	1.321	4.50	7.639	2.546	2.404	1.649	1.117	7.639	2.442	73.11	72.75	10472	3805	4.556	13.587	-2.427	1.451	3.594	0.544	58.8
600S300-118	0.1242	50	56.3	1.593	5.42	9.100	3.033	2.390	1.940	1.104	9.100	2.939	99.02	99.47	12526	3622	8.1914	16.0127	-2.398	1.437	3.561	0.546	55.3
600S350-54	0.0566	50	50.0	0.825	2.81	5.023	1.674	2.467	1.491	1.344	4.774	1.335	39.97	36.56	2823	1947	0.8812	12.9421	-3.037	1.787	4.137	0.461	74.4
600S350-68	0.0713	50	50.0	1.032	3.51	6.237	2.079	2.459	1.841	1.336	6.207	1.771	53.01	49.70	5350	2879	1.7483	15.9678	-3.018	1.777	4.115	0.462	74.3
600S350-97	0.1017	50	50.0	1.449	4.93	8.631	2.877	2.441	2.518	1.318	8.631	2.593	77.64	78.36	10472	3805	4.9943	21.811	-2.979	1.757	4.071	0.464	74.3
600S350-118	0.1242	50	55.4	1.748	5.95	10.304	3.435	2.428	2.978	1.305	10.304	3.268	108.43	107.66	12526	3622	8.9897	25.7905	-2.951	1.742	4.038	0.466	70.6
800S137-33'	0.0346	33	33.0	0.388	1.32	3.198	0.799	2.873	0.073	0.435	2.998	0.622	12.3	10.71	474	474	0.155	0.957	-0.696	0.460	2.987	0.946	32.5
800S137-43	0.0451	33	33.0	0.503	1.71	4.134	1.033	2.866	0.093	0.430	4.001	0.896	17.7	15.78	1051	1051	0.341	1.214	-0.687	0.454	2.978	0.947	32.2
800S137-54	0.0566	50	50.0	0.627	2.13	5.110	1.277	2.855	0.112	0.423	4.974	1.083	32.42	28.47	2091	2091	0.670	1.478	-0.676	0.448	2.964	0.948	25.9
800S137-68	0.0713	50	50.0	0.782	2.66	6.303	1.576	2.839	0.134	0.414	6.285	1.468	43.96	39.57	4221	3367	1.325	1.789	-0.661	0.440	2.944	0.950	25.6
800S137-97	0.1017	50	50.0	1.093	3.72	8.597	2.149	2.805	0.169	0.394	8.597	2.149	64.35	63.91	10885	5938	3.767	2.349	-0.630	0.423	2.902	0.953	25.0
800S162-33'	0.0346	33	33.0	0.413	1.41	3.582	0.896	2.943	0.125	0.550	3.384	0.710	14.03	12.61	474	474	0.165	1.630	-0.936	0.607	3.137	0.911	40.1
800S162-43	0.0451	33	33.0	0.537	1.83	4.633	1.158	2.937	0.160	0.546	4.500	1.019	20.14	18.33	1051	1051	0.364	2.076	-0.926	0.601	3.128	0.912	39.9
800S162-54	0.0566	50	50.0	0.670	2.28	5.736	1.434	2.927	0.194	0.539	5.600	1.229	36.79	32.81	2091	2091	0.715	2.539	-0.914	0.594	3.113	0.914	32.1
800S162-68	0.0713	50	50.0	0.836	2.84	7.089	1.772	2.913	0.235	0.530	7.070	1.663	49.8	45.11	4221	3367	1.416	3.093	-0.899	0.586	3.094	0.916	



Member	Design Thickness (in)	Fy (KSI)	Fya (KSI)	Gross								Effective Properties						Torsional Properties					Lu (in)
				Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Sx (in ³)	Rx (in)	Iy (in ⁴)	Ry (in)	Ix (in ⁴)	Sx (in ³)	Ma (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in ⁴)	Cw (in ⁴)	Xo (in)	m (in)	Ro (in)	Beta	
1000S162-43	0.0451	33	33.0	0.627	2.13	8.025	1.605	3.577	0.168	0.518	7.523	1.302	25.74	22.49	836	836	0.425	3.430	-0.823	0.545	3.707	0.951	38.8
1000S162-54	0.0566	50	50.0	0.783	2.66	9.950	1.990	3.565	0.204	0.511	9.391	1.572	47.07	40.37	1661	1661	0.836	4.198	-0.812	0.538	3.692	0.952	31.3
1000S162-68	0.0713	50	50.0	0.978	3.33	12.325	2.465	3.550	0.246	0.502	11.978	2.154	64.51	56.35	3345	3345	1.658	5.121	-0.798	0.531	3.673	0.953	31.0
1000S162-97	0.1017	50	50.0	1.372	4.67	16.967	3.393	3.516	0.320	0.483	16.967	3.269	97.89	92.56	9864	7177	4.731	6.827	-0.768	0.514	3.631	0.955	30.4
1000S162-118	0.1242	50	50.0	1.655	5.63	20.169	4.034	3.491	0.363	0.468	20.169	4.034	120.774	120.34	16235	9536	8.511	7.924	-0.746	0.502	3.600	0.957	30.0
1000S200-43	0.0451	33	33.0	0.672	2.29	9.085	1.817	3.676	0.309	0.677	8.602	1.470	29.05	26.15	836	836	0.456	6.236	-1.147	0.743	3.910	0.914	49.3
1000S200-54	0.0566	50	50.0	0.839	2.86	11.278	2.256	3.666	0.378	0.671	10.769	1.705	51.05	46.62	1661	1661	0.896	7.665	-1.135	0.737	3.896	0.915	39.8
1000S200-68	0.0713	50	50.0	1.050	3.57	13.994	2.799	3.652	0.460	0.662	13.665	2.420	72.46	64.50	3345	3345	1.779	9.401	-1.120	0.729	3.876	0.917	39.6
1000S200-97	0.1017	50	50.0	1.474	5.02	19.336	3.867	3.622	0.609	0.643	19.336	3.741	112	104.73	9864	7177	5.082	12.679	-1.088	0.711	3.836	0.920	39.0
1000S200-118	0.1242	50	50.0	1.779	6.05	23.052	4.610	3.599	0.703	0.629	23.052	4.610	138.036	135.74	16235	9536	9.149	14.848	-1.064	0.699	3.805	0.922	38.7
1000S250-43	0.0451	33	33.0	0.717	2.44	10.203	2.041	3.771	0.531	0.860	10.203	1.617	31.95	27.67	836	836	0.486	10.481	-1.518	0.965	4.155	0.867	60.7
1000S250-54	0.0566	50	50.0	0.896	3.05	12.677	2.535	3.762	0.653	0.854	12.660	1.879	56.26	49.16	1661	1661	0.957	12.922	-1.505	0.958	4.140	0.868	49.1
1000S250-68	0.0713	50	50.0	1.121	3.81	15.751	3.150	3.749	0.799	0.844	15.741	2.768	82.89	68.12	3345	3345	1.899	15.909	-1.488	0.950	4.121	0.870	48.8
1000S250-97	0.1017	50	56.2	1.576	5.36	21.827	4.365	3.722	1.072	0.825	21.827	4.181	140.63*	120.13	9864	7177	5.433	21.632	-1.454	0.932	4.080	0.873	45.6
1000S250-118	0.1242	50	57.4	1.904	6.48	26.080	5.216	3.701	1.249	0.810	26.080	5.082	174.8364	159.79	16235	9536	9.788	25.490	-1.428	0.918	4.049	0.876	44.8
1000S300-54	0.0566	50	50.0	0.981	3.34	14.587	2.917	3.856	1.161	1.088	14.360	2.262	67.74	57.91	1661	1661	1.047	23.644	-2.051	1.280	4.502	0.792	58.1
1000S300-68	0.0713	50	50.0	1.228	4.18	18.153	3.631	3.845	1.430	1.079	18.153	3.153	94.41	79.98	3345	3345	2.081	29.210	-2.034	1.271	4.482	0.794	57.8
1000S300-97	0.1017	50	50.0	1.728	5.88	25.237	5.047	3.821	1.945	1.061	25.237	4.847	145.13	130.07	9864	7177	5.959	40.007	-1.998	1.253	4.441	0.798	57.4
1000S300-118	0.1242	50	56.3	2.090	7.11	30.231	6.046	3.803	2.291	1.047	30.231	5.862	197.5224	181.54	16235	9536	10.746	47.400	-1.972	1.239	4.410	0.800	53.8
1000S350-54	0.0566	50	50.0	1.052	3.58	16.220	3.244	3.927	1.768	1.297	15.734	2.328	69.69	62.97	1661	1661	1.123	36.575	-2.546	1.566	4.857	0.725	72.2
1000S350-68	0.0713	50	50.0	1.317	4.48	20.204	4.041	3.917	2.185	1.288	20.204	3.417	102.3168	86.60	3345	3345	2.232	45.277	-2.529	1.557	4.837	0.727	72.0
1000S350-97	0.1017	50	50.0	1.855	6.31	28.148	5.630	3.895	2.992	1.270	28.148	5.118	153.246	139.74	9864	7177	6.397	62.280	-2.492	1.538	4.795	0.730	71.6
1000S350-118	0.1242	50	55.4	2.245	7.64	33.772	6.754	3.878	3.543	1.256	33.772	6.427	213.2508	194.46	16235	9536	11.544	74.030	-2.465	1.524	4.764	0.732	67.8
1200S162-54	0.0566	50	50.0	0.896	3.05	15.730	2.622	4.190	0.212	0.486	14.298	1.914	57.31	46.75	1377	1377	0.957	6.340	-0.732	0.493	4.281	0.971	30.5
1200S162-68	0.0713	50	50.0	1.121	3.81	19.518	3.253	4.173	0.255	0.477	18.390	2.645	79.19	66.14	2771	2771	1.899	7.739	-0.719	0.485	4.261	0.972	30.2
1200S162-97	0.1017	50	50.0	1.576	5.36	26.966	4.494	4.137	0.331	0.459	26.735	4.091	122.49	111.30	8147	7411	5.433	10.331	-0.691	0.470	4.219	0.973	29.5
1200S200-54	0.0566	50	50.0	0.953	3.24	17.662	2.944	4.306	0.393	0.643	16.334	2.073	62.07	54.74	1377	1377	1.017	11.550	-1.032	0.681	4.474	0.947	39.0
1200S200-68	0.0713	50	50.0	1.192	4.06	21.947	3.658	4.291	0.479	0.634	20.864	2.963	88.71	76.55	2771	2771	2.020	14.176	-1.017	0.673	4.455	0.948	38.7
1200S200-97	0.1017	50	50.0	1.677	5.71	30.417	5.069	4.258	0.635	0.615	30.175	4.660	139.51	126.87	8147	7411	5.783	19.150	-0.987	0.656	4.414	0.950	38.1
1200S250-54	0.0566	50	50.0	1.009	3.43	19.681	3.280	4.416	0.683	0.823	18.433	2.149	64.34	58.39	1377	1377	1.078	19.505	-1.378	0.892	4.699	0.914	48.3
1200S250-68	0.0713	50	50.0	1.263	4.30	24.484	4.081	4.402	0.836	0.813	23.575	3.007	90.04	81.59	2771	2771	2.141	24.034	-1.362	0.884	4.679	0.915	48.1
1200S250-97	0.1017	50	50.0	1.779	6.05	34.016	5.669	4.373	1.121	0.794	33.835	5.037	150.82	135.37	8147	7411	6.134	32.734	-1.329	0.867	4.639	0.918	47.5
1200S300-54	0.0566	50	50.0	1.094	3.72	22.479	3.747	4.533	1.221	1.057	22.278	2.702	80.9	80.02	1377	1377	1.168	35.310	-1.893	1.201	5.025	0.858	57.4
1200S300-68	0.0713	50	50.0	1.370	4.66	28.003	4.667	4.520	1.504	1.048	28.003	3.734	111.79	95.87	2771	2771	2.322	43.658	-1.876	1.193	5.005	0.860	57.2
1200S300-97	0.1017	50	50.0	1.932	6.57	39.017	6.503	4.494	2.046	1.029	39.017	6.256	187.31	157.64	8147	7411	6.660	59.901	-1.842	1.175	4.965	0.862	56.7

Notes:

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

* Where Ma is noted with an asterisk, cold-work of forming is applicable and has been used.



Member	Design Thickness (in)	Fy (KSI)	Gross								Effective Properties				Torsional Properties				
			Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Sx (in ³)	Rx (in)	Iy (in ⁴)	Ry (in)	Ix (in ⁴)	Sx (in ³)	Ma (in-k)	Vag (lb)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	m (in)	Ro (in)	Beta
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	0.069	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	0.153	0.042	-0.755	0.453	1.356	0.690
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	0.301	0.054	-0.749	0.449	1.357	0.696
250T125-68	0.0713	50	0.355	1.21	0.408	0.297	1.072	0.054	0.389	0.402	0.262	7.85	3199	0.602	0.069	-0.740	0.444	1.360	0.704
250T125-97	0.1017	50	0.506	1.72	0.604	0.423	1.092	0.074	0.383	0.604	0.423	12.67	4476	1.745	0.101	-0.724	0.434	1.365	0.719
250T150-33	0.0346	33	0.190	0.65	0.221	0.167	1.079	0.045	0.485	0.179	0.107	2.11	1024	0.076	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	0.168	0.070	-0.968	0.570	1.529	0.599
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	0.332	0.089	-0.961	0.566	1.529	0.605
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	0.663	0.114	-0.953	0.561	1.531	0.613
250T150-97	0.1017	50	0.557	1.90	0.701	0.491	1.121	0.124	0.471	0.701	0.463	13.86	4476	1.921	0.168	-0.935	0.550	1.534	0.629
250T200-33	0.0346	33	0.255	0.76	0.280	0.212	1.117	0.097	0.658	0.203	0.112	2.22	1024	0.090	0.118	-1.418	0.813	1.921	0.455
250T200-43	0.0451	33	0.293	1.00	0.366	0.275	1.118	0.126	0.657	0.288	0.163	3.21	1356	0.198	0.153	-1.413	0.810	1.918	0.457
250T200-54	0.0566	50	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.371	0.209	6.25	2563	0.392	0.195	-1.405	0.806	1.917	0.462
250T200-68	0.0713	50	0.462	1.57	0.600	0.437	1.139	0.196	0.652	0.517	0.296	8.86	3199	0.783	0.251	-1.396	0.800	1.916	0.469
250T200-97	0.1017	50	0.659	2.24	0.893	0.626	1.165	0.275	0.646	0.856	0.510	15.27	4476	2.271	0.374	-1.376	0.789	1.915	0.484
250T250-43	0.0451	33	0.338	1.15	0.443	0.333	1.146	0.230	0.826	0.318	0.169	3.34	1356	0.229	0.283	-1.873	1.053	2.346	0.362
250T250-54	0.0566	50	0.424	1.44	0.565	0.419	1.155	0.287	0.824	0.410	0.217	6.50	2563	0.453	0.361	-1.865	1.049	2.343	0.366
250T250-68	0.0713	50	0.534	1.82	0.728	0.530	1.168	0.360	0.821	0.576	0.310	9.27	3199	0.904	0.466	-1.855	1.043	2.341	0.372
250T250-97	0.1017	50	0.761	2.59	1.086	0.761	1.195	0.506	0.815	0.972	0.541	16.20	4476	2.622	0.696	-1.834	1.031	2.336	0.384
350T125-33	0.0346	33	0.207	0.71	0.405	0.222	1.397	0.030	0.379	0.354	0.165	3.27	1024	0.083	0.070	-0.668	0.414	1.594	0.824
350T125-43	0.0451	33	0.270	0.92	0.528	0.288	1.397	0.038	0.377	0.490	0.233	4.61	1739	0.183	0.090	-0.663	0.412	1.592	0.826
350T125-54	0.0566	50	0.339	1.15	0.668	0.361	1.404	0.048	0.375	0.626	0.297	8.89	3372	0.362	0.114	-0.658	0.408	1.595	0.830
350T125-68	0.0713	50	0.427	1.45	0.851	0.454	1.412	0.059	0.372	0.839	0.407	12.18	4536	0.723	0.144	-0.650	0.403	1.599	0.835
350T125-97	0.1017	50	0.608	2.07	1.243	0.645	1.430	0.081	0.366	1.243	0.645	19.30	6383	2.096	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	0.090	0.114	-0.866	0.527	1.738	0.752
350T150-43	0.0451	33	0.293	1.00	0.601	0.328	1.433	0.064	0.467	0.531	0.243	4.80	1739	0.198	0.148	-0.861	0.525	1.736	0.754
350T150-54	0.0566	50	0.367	1.25	0.761	0.412	1.440	0.079	0.465	0.679	0.310	9.28	3372	0.392	0.187	-0.855	0.521	1.738	0.758
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	0.783	0.238	-0.847	0.516	1.741	0.763
350T150-97	0.1017	50	0.659	2.24	1.422	0.738	1.469	0.136	0.455	1.422	0.701	20.98	6383	2.271	0.346	-0.831	0.506	1.748	0.774
350T200-33	0.0346	33	0.259	0.88	0.574	0.315	1.487	0.108	0.647	0.428	0.181	3.57	1024	0.103	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	0.600	0.257	5.09	1739	0.229	0.323	-1.280	0.758	2.066	0.616
350T200-54	0.0566	50	0.424	1.44	0.949	0.513	1.496	0.175	0.642	0.770	0.329	9.85	3372	0.453	0.409	-1.273	0.754	2.067	0.621
350T200-68	0.0713	50	0.534	1.82	1.213	0.647	1.508	0.218	0.639	1.054	0.458	13.71	4536	0.904	0.522	-1.264	0.749	2.069	0.626
350T200-97	0.1017	50	0.761	2.59	1.780	0.923	1.530	0.305	0.633	1.708	0.769	23.01	6383	2.622	0.765	-1.247	0.738	2.073	0.638
350T250-43	0.0451	33	0.383	1.30	0.896	0.490	1.530	0.257	0.819	0.659	0.268	5.29	1739	0.260	0.593	-1.719	0.996	2.443	0.505
350T250-54	0.0566	50	0.480	1.63	1.137	0.615	1.538	0.321	0.817	0.846	0.343	10.26	3372	0.513	0.752	-1.712	0.992	2.442	0.509
350T250-68	0.0713	50	0.605	2.06	1.454	0.776	1.550	0.401	0.814	1.168	0.479	14.35	4536	1.025	0.961	-1.703	0.987	2.443	0.514
350T250-97	0.1017	50	0.862	2.93	2.139	1.109	1.575	0.563	0.808	1.924	0.815	24.39	6383	2.973	1.413	-1.684	0.975	2.443	0.525
362T125-33	0.0346	33	0.212	0.72	0.438	0.232	1.438	0.030	0.377	0.384	0.174	3.44	1024	0.085	0.076	-0.658	0.409	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	0.187	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	0.369	0.123	-0.648	0.404	1.627	0.841
362T125-68	0.0713	50	0.436	1.48	0.921	0.475	1.454	0.060	0.370	0.907	0.427	12.78	4703	0.738	0.156	-0.641	0.399	1.631	0.846
362T125-97	0.1017	50	0.621	2.11	1.343	0.675	1.471	0.082	0.363	1.343	0.675	20.20	6622	2.140	0.226	-0.626	0.390	1.639	0.854
362T125-118	0.1242	50	0.757	2.58	1.666	0.821	1.483	0.097	0.358	1.666	0.821	28.24	8008	3.894	0.278	-0.615	0.383	1.645	0.860
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	0.091	0.124	-0.854	0.522	1.767	0.766
362T150-43	0.0451	33	0.298	1.02	0.650	0.343	1.476	0.064	0.465	0.574	0.255	5.04	1739	0.202	0.160	-0.850	0.519	1.766	0.768
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	0.400	0.202	-0.844	0.516	1.768	0.772
362T150-68	0.0713	50	0.471	1.60	1.050	0.542	1.492	0.099	0.459	0.993	0.449	13.43	4703	0.799	0.257	-0.836	0.511	1.771	0.777
362T150-97	0.1017	50	0.672	2.29	1.534	0.771	1.512	0.138	0.453	1.534	0.733	21.94	6622	2.315	0.374	-0.820	0.501	1.778	0.787
362T150-118	0.1242	50	0.820	2.79	1.907	0.939	1.525	0.165	0.448	1.907	0.939	31.65	8008	4.214	0.462	-0.808	0.494	1.784	0.795
362T200-33	0.0346	33	0.264	0.90	0.619	0.328	1.532	0.110	0.645	0.464	0.190	3.76	1024	0.105	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	0.649	0.270	5.34	1739	0.233	0.350	-1.265	0.752	2.090	0.633
362T200-54	0.0566	50	0.431	1.47	1.024	0.536	1.541	0.177	0.640	0.832	0.345	10.34	3372	0.460	0.442	-1.259	0.748	2.091	0.637
362T200-68	0.0713	50	0.543	1.85	1.307	0.675	1.552	0.221	0.638	1.138	0.480	14.37	4703	0.919	0.564	-1.250	0.743	2.093	0.643
362T200-97	0.1017	50	0.773	2.63	1.917	0.963	1.575	0.308	0.631	1.839	0.803	24.06	6622	2.666	0.825	-1.232	0.732	2.097	0.655
362T200-118	0.1242	50	0.944	3.21	2.388	1.176	1.591	0.371	0.627	2.388	1.072	32.09	8008	4.852	1.026	-1.219	0.724	2.100	0.663
362T250-43	0.0451	33	0.389	1.32	0.966	0.510	1.577	0.260	0.818	0.713	0.281	5.56	1739	0.263	0.641	-1.702	0.990	2.460	0.521
362T250-54	0.0566	50	0.487	1.66	1.224	0.641	1.585	0.324	0.816	0.914	0.360	10.77	3372	0.521	0.812	-1.695	0.986	2.460	0.525
362T250-68	0.0713	50</																	



Member	Design Thickness (in)	Fy (KSI)	Gross							Effective Properties					Torsional Properties				
			Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Sx (in ³)	Rx (in)	Iy (in ⁴)	Ry (in)	Ix (in ⁴)	Sx (in ³)	Ma (in-k)	Vag (lb)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	m (in)	Ro (in)	Beta
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	0.090	0.095	-0.630	0.396	1.725	0.867
400T125-43	0.0451	33	0.293	1.00	0.716	0.344	1.563	0.040	0.369	0.666	0.282	5.57	1739	0.198	0.122	-0.626	0.394	1.724	0.868
400T125-54	0.0566	50	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.849	0.359	10.74	3372	0.392	0.154	-0.621	0.390	1.727	0.871
400T125-68	0.0713	50	0.462	1.57	1.150	0.541	1.577	0.061	0.363	1.134	0.488	14.62	5205	0.783	0.194	-0.614	0.386	1.731	0.874
400T125-97	0.1017	50	0.659	2.24	1.673	0.768	1.594	0.084	0.357	1.673	0.768	23.00	7337	2.271	0.280	-0.600	0.377	1.740	0.881
400T125-118	0.1242	50	0.804	2.74	2.072	0.934	1.605	0.100	0.352	2.072	0.934	32.14	8881	4.134	0.343	-0.589	0.370	1.746	0.886
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	0.097	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	0.214	0.200	-0.817	0.504	1.857	0.807
400T150-54	0.0566	50	0.396	1.35	1.025	0.489	1.610	0.082	0.456	0.918	0.374	11.19	3372	0.422	0.252	-0.811	0.501	1.860	0.810
400T150-68	0.0713	50	0.498	1.69	1.306	0.615	1.619	0.102	0.453	1.237	0.513	15.35	5205	0.844	0.320	-0.804	0.496	1.864	0.814
400T150-97	0.1017	50	0.710	2.41	1.903	0.874	1.638	0.141	0.447	1.903	0.832	24.92	7337	2.447	0.463	-0.788	0.487	1.872	0.823
400T150-118	0.1242	50	0.866	2.95	2.360	1.064	1.651	0.169	0.442	2.360	1.064	35.86	8881	4.453	0.572	-0.777	0.479	1.877	0.829
400T200-33	0.0346	33	0.277	0.94	0.768	0.371	1.666	0.113	0.639	0.581	0.220	4.34	940	0.110	0.336	-1.229	0.737	2.166	0.678
400T200-43	0.0451	33	0.360	1.23	1.002	0.482	1.668	0.146	0.637	0.811	0.311	6.14	1739	0.244	0.436	-1.224	0.734	2.164	0.680
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	0.483	0.551	-1.217	0.730	2.165	0.684
400T200-68	0.0713	50	0.569	1.94	1.617	0.761	1.685	0.227	0.632	1.412	0.549	16.42	5205	0.965	0.702	-1.209	0.725	2.168	0.689
400T200-97	0.1017	50	0.811	2.76	2.363	1.085	1.707	0.317	0.625	2.360	0.981	19.38	4842	2.797	1.022	-1.192	0.715	2.173	0.699
400T200-118	0.1242	50	0.990	3.37	2.937	1.325	1.722	0.381	0.621	2.937	1.211	36.25	8881	5.092	1.268	-1.179	0.707	2.177	0.707
400T250-43	0.0451	33	0.405	1.38	1.193	0.573	1.715	0.268	0.813	0.888	0.324	6.40	1739	0.275	0.799	-1.653	0.970	2.517	0.569
400T250-54	0.0566	50	0.509	1.73	1.511	0.720	1.723	0.335	0.811	1.137	0.413	12.38	3372	0.543	1.011	-1.646	0.966	2.517	0.572
400T250-68	0.0713	50	0.641	2.18	1.928	0.907	1.735	0.418	0.808	1.559	0.574	17.19	5205	1.086	1.289	-1.637	0.961	2.518	0.578
400T250-97	0.1017	50	0.913	3.11	2.823	1.296	1.758	0.587	0.802	2.546	0.965	28.89	7337	3.148	1.886	-1.618	0.950	2.521	0.588
400T250-118	0.1242	50	1.115	3.79	3.514	1.585	1.776	0.709	0.798	3.349	1.297	38.84	8881	5.730	2.345	-1.605	0.942	2.523	0.595
400T300-54	0.0566	50	0.565	1.92	1.754	0.835	1.761	0.548	0.985	1.244	0.427	12.77	3372	0.604	1.662	-2.090	1.206	2.905	0.482
400T300-68	0.0713	50	0.712	2.42	2.239	1.054	1.774	0.686	0.982	1.687	0.594	17.78	5205	1.206	2.122	-2.081	1.200	2.905	0.487
400T300-97	0.1017	50	1.015	3.45	3.284	1.508	1.799	0.967	0.976	2.786	1.005	30.09	7337	3.499	3.111	-2.061	1.189	2.905	0.496
400T300-118	0.1242	50	1.239	4.21	4.091	1.845	1.817	1.170	0.972	3.696	1.360	40.72	8881	6.369	3.876	-2.047	1.180	2.904	0.503
550T125-33	0.0346	33	0.277	0.94	1.159	0.410	2.046	0.033	0.346	1.029	0.270	5.33	680	0.110	0.195	-0.541	0.350	2.145	0.936
550T125-43	0.0451	33	0.360	1.23	1.510	0.533	2.047	0.043	0.344	1.428	0.416	8.23	1504	0.244	0.252	-0.537	0.348	2.144	0.937
550T125-54	0.0566	50	0.452	1.54	1.903	0.668	2.052	0.053	0.342	1.811	0.535	16.01	2980	0.483	0.315	-0.532	0.345	2.147	0.939
550T125-68	0.0713	50	0.569	1.94	2.412	0.839	2.058	0.066	0.339	2.379	0.769	23.02	5350	0.965	0.397	-0.526	0.341	2.152	0.940
550T125-97	0.1017	50	0.811	2.76	3.483	1.190	2.072	0.090	0.333	3.483	1.190	35.62	10197	2.797	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	0.117	0.320	-0.714	0.455	2.259	0.900
550T150-43	0.0451	33	0.383	1.30	1.688	0.596	2.099	0.072	0.432	1.516	0.468	9.25	1504	0.260	0.414	-0.709	0.452	2.258	0.901
550T150-54	0.0566	50	0.480	1.63	2.128	0.747	2.105	0.089	0.430	1.928	0.595	17.81	2980	0.513	0.519	-0.704	0.449	2.261	0.903
550T150-68	0.0713	50	0.605	2.06	2.699	0.939	2.112	0.110	0.427	2.569	0.804	24.07	5350	1.025	0.655	-0.698	0.445	2.265	0.905
550T150-97	0.1017	50	0.862	2.93	3.904	1.333	2.128	0.153	0.421	3.904	1.278	38.27	10197	2.973	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	0.131	0.694	-1.088	0.674	2.516	0.813
550T200-43	0.0451	33	0.428	1.46	2.043	0.722	2.185	0.160	0.611	1.690	0.495	9.79	1504	0.290	0.900	-1.083	0.671	2.514	0.814
550T200-54	0.0566	50	0.537	1.83	2.578	0.905	2.191	0.199	0.609	2.153	0.630	18.86	2980	0.573	1.133	-1.077	0.668	2.517	0.817
550T200-68	0.0713	50	0.676	2.30	3.274	1.139	2.200	0.248	0.606	2.894	0.857	25.67	5350	1.146	1.434	-1.070	0.663	2.521	0.820
550T200-97	0.1017	50	0.964	3.28	4.746	1.621	2.219	0.347	0.600	4.566	1.391	41.64	10197	3.323	2.067	-1.055	0.653	2.529	0.826
550T250-43	0.0451	33	0.473	1.61	2.399	0.848	2.252	0.295	0.790	1.841	0.516	10.20	1504	0.321	1.643	-1.484	0.899	2.810	0.721
550T250-54	0.0566	50	0.594	2.02	3.029	1.063	2.259	0.368	0.788	2.346	0.657	19.66	2980	0.634	2.070	-1.478	0.895	2.812	0.724
550T250-68	0.0713	50	0.748	2.54	3.849	1.339	2.269	0.460	0.785	3.172	0.897	26.86	5350	1.267	2.627	-1.470	0.890	2.815	0.727
550T250-97	0.1017	50	1.066	3.63	5.588	1.908	2.290	0.646	0.779	5.073	1.470	44.01	10197	3.674	3.801	-1.453	0.880	2.822	0.735
600T125-33	0.0346	33	0.294	1.00	1.428	0.465	2.204	0.034	0.339	1.258	0.297	5.87	622	0.117	0.238	-0.516	0.337	2.289	0.949
600T125-43	0.0451	33	0.383	1.30	1.861	0.604	2.205	0.044	0.337	1.768	0.461	9.11	1377	0.260	0.307	-0.513	0.335	2.288	0.950
600T125-54	0.0566	50	0.480	1.63	2.344	0.756	2.209	0.054	0.335	2.241	0.592	17.73	2728	0.513	0.384	-0.508	0.332	2.291	0.951
600T125-68	0.0713	50	0.605	2.06	2.969	0.950	2.215	0.067	0.332	2.934	0.858	25.69	5350	1.025	0.483	-0.503	0.329	2.296	0.952
600T125-97	0.1017	50	0.862	2.93	4.281	1.347	2.228	0.092	0.326	4.281	1.347	40.33	10885	2.973	0.685	-0.491	0.321	2.305	0.955
600T125-118	0.1242	50	1.052	3.58	5.268	1.637	2.237	0.109	0.322	5.268	1.637	56.32	13539	5.411	0.832	-0.483	0.315	2.311	0.956
600T150-33	0.0346	33	0.311	1.06	1.590	0.517	2.260	0.057	0.426	1.334	0.303	5.99	622	0.124	0.390	-0.684	0.439	2.399	0.919
600T150-43	0.0451	33	0.405	1.38	2.072	0.673	2.261	0.073	0.424	1.890	0.474	9.36	1377	0.275	0.504	-0.680	0.437	2.398	0.920
600T150-54	0.0566	50	0.509	1.73	2.611	0.843	2.266	0.091	0.422	2.400	0.609	18.24	2728	0.543	0.632	-0.675	0.434	2.401	0.921
600T150-68	0.0713	50	0.641	2.18	3.309	1.059	2.273	0.113	0.419	3.162	0.891	26.68	5350	1.086	0.797	-0.669	0.430	2.406	0.923
600T150-97	0.1017	50	0.913	3.11	4.778	1.504	2.288	0.156	0.413	4.778	1.444	43.23	10885	3.148	1.138	-0.656	0.421	2.415	0.926
600T150-118	0.1242	50	1.145	3.7922	5.886	1.829	2.298	0.186	0.409	5.886	1.829	61.64	13539	5.730	1.389	-0.647	0.415	2.422	0.929
600T200-																			



Member	Design Thickness (in)	Fy (KSI)	Gross							Effective Properties					Torsional Properties				
			Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Sx (in ³)	Rx (in)	Iy (in ⁴)	Ry (in)	Ix (in ⁴)	Sx (in ³)	Ma (in-k)	Vag (lb)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	m (in)	Ro (in)	Beta
800T125-33 ¹	0.0346	33	0.363	1.24	2.895	0.711	2.824	0.036	0.313	2.441	0.407	8.03	465	0.145	0.456	-0.439	0.294	2.875	0.977
800T125-43	0.0451	33	0.473	1.61	3.773	0.924	2.824	0.046	0.311	3.484	0.640	12.65	1030	0.321	0.589	-0.436	0.292	2.874	0.977
800T125-54	0.0566	50	0.594	2.02	4.745	1.158	2.827	0.057	0.309	4.426	0.824	24.66	2039	0.634	0.735	-0.432	0.289	2.877	0.977
800T125-68	0.0713	50	0.748	2.54	5.998	1.454	2.833	0.070	0.306	5.956	1.216	36.39	4087	1.267	0.920	-0.427	0.286	2.881	0.978
800T125-97	0.1017	50	1.066	3.63	8.613	2.062	2.843	0.096	0.301	8.613	2.062	61.72	10885	3.674	1.296	-0.417	0.279	2.889	0.979
800T125-118	0.1242	50	1.301	4.43	10.569	2.506	2.850	0.114	0.297	10.569	2.506	86.21	16235	6.688	1.567	-0.410	0.274	2.895	0.980
800T150-33 ¹	0.0346	33	0.380	1.29	3.180	0.781	2.891	0.060	0.397	2.569	0.414	8.18	465	0.152	0.751	-0.588	0.388	2.977	0.961
800T150-43	0.0451	33	0.496	1.69	4.144	1.015	2.891	0.077	0.395	3.689	0.655	12.95	1030	0.336	0.972	-0.584	0.386	2.976	0.961
800T150-54	0.0566	50	0.622	2.12	5.214	1.272	2.896	0.096	0.393	4.692	0.844	25.27	2039	0.664	1.215	-0.580	0.383	2.979	0.962
800T150-68	0.0713	50	0.783	2.67	6.594	1.599	2.902	0.119	0.390	6.361	1.255	37.58	4087	1.327	1.526	-0.575	0.379	2.984	0.963
800T150-97	0.1017	50	1.116	3.80	9.479	2.269	2.914	0.165	0.384	9.479	2.192	65.62	10885	3.849	2.162	-0.564	0.372	2.993	0.965
800T150-118	0.1242	50	1.363	4.64	11.641	2.760	2.923	0.197	0.380	11.641	2.760	93.00	16235	7.008	2.627	-0.555	0.366	2.999	0.966
800T200-33 ¹	0.0346	33	0.415	1.41	3.749	0.921	3.005	0.135	0.571	2.788	0.424	8.37	465	0.166	1.638	-0.917	0.589	3.194	0.918
800T200-43	0.0451	33	0.541	1.84	4.887	1.197	3.006	0.175	0.569	4.043	0.676	13.35	1030	0.367	2.124	-0.913	0.587	3.193	0.918
800T200-54	0.0566	50	0.679	2.31	6.152	1.501	3.011	0.218	0.567	5.149	0.871	26.09	2039	0.725	2.664	-0.908	0.584	3.196	0.919
800T200-68	0.0713	50	0.854	2.91	7.786	1.888	3.019	0.272	0.564	7.051	1.310	39.22	4087	1.448	3.357	-0.902	0.580	3.201	0.921
800T200-97	0.1017	50	1.218	4.15	11.212	2.683	3.034	0.379	0.558	10.833	2.347	70.27	10885	4.200	4.792	-0.889	0.571	3.210	0.923
800T200-118	0.1242	50	1.487	5.06	13.785	3.269	3.045	0.455	0.553	13.785	3.059	91.59	16235	7.646	5.854	-0.879	0.565	3.217	0.925
800T250-43	0.0451	33	0.586	1.99	5.629	1.380	3.100	0.326	0.746	4.593	0.739	14.60	1030	0.397	3.877	-1.274	0.801	3.433	0.862
800T250-54	0.0566	50	0.735	2.50	7.090	1.730	3.106	0.407	0.744	5.816	0.959	28.71	2039	0.785	4.870	-1.268	0.798	3.436	0.864
800T250-68	0.0713	50	0.926	3.15	8.978	2.177	3.114	0.509	0.741	7.588	1.560	46.72	4087	1.569	6.151	-1.261	0.793	3.441	0.866
800T250-97	0.1017	50	1.320	4.49	12.944	3.098	3.132	0.713	0.735	11.872	2.487	74.47	10885	4.550	8.818	-1.247	0.784	3.450	0.869
800T250-118	0.1242	50	1.611	5.48	15.930	3.777	3.144	0.860	0.731	15.272	3.248	97.26	16235	8.285	10.907	-1.236	0.777	3.457	0.872
800T300-54	0.0566	50	0.7917	2.694	8.0278	1.9585	3.1843	0.6745	0.923	6.3363	0.9559	28.62	2039	0.8454	7.9602	-1.652	1.02	3.704	0.801
800T300-68	0.0713	50	0.997	3.39	10.171	2.466	3.194	0.844	0.920	8.345	1.548	46.36	4087	1.690	10.067	-1.644	1.015	3.708	0.803
800T300-97	0.1017	50	1.422	4.84	14.676	3.513	3.213	1.188	0.914	12.862	2.586	77.43	10885	4.901	14.473	-1.628	1.006	3.716	0.808
800T300-118	0.1242	50	1.736	5.91	18.074	4.286	3.227	1.436	0.910	16.563	3.394	101.63	16235	8.924	17.775	-1.617	0.998	3.722	0.811
1000T125-43 ¹	0.0451	33	0.563	1.92	6.630	1.305	3.431	0.047	0.290	5.886	0.819	16.19	822	0.382	0.973	-0.379	0.259	3.464	0.988
1000T125-54	0.0566	50	0.707	2.41	8.333	1.634	3.434	0.059	0.288	7.479	1.055	31.59	1628	0.755	1.212	-0.376	0.256	3.466	0.988
1000T125-68	0.0713	50	0.890	3.03	10.522	2.053	3.438	0.073	0.286	10.155	1.575	47.15	3261	1.508	1.515	-0.372	0.253	3.470	0.989
1000T125-97	0.1017	50	1.269	4.32	15.077	2.912	3.447	0.100	0.280	15.077	2.753	82.42	9507	4.375	2.123	-0.363	0.247	3.477	0.989
1000T125-118	0.1242	50	1.549	5.27	18.471	3.540	3.453	0.118	0.276	18.471	3.535	105.85	16235	7.966	2.558	-0.357	0.243	3.482	0.990
1000T150-43 ¹	0.0451	33	0.586	1.99	7.207	1.419	3.507	0.080	0.370	6.195	0.837	16.54	822	0.397	1.612	-0.513	0.345	3.564	0.979
1000T150-54	0.0566	50	0.735	2.50	9.061	1.777	3.511	0.100	0.368	7.880	1.079	32.29	1628	0.785	2.013	-0.509	0.342	3.567	0.980
1000T150-68	0.0713	50	0.926	3.15	11.445	2.233	3.516	0.124	0.366	10.774	1.621	48.53	3261	1.569	2.522	-0.505	0.339	3.571	0.980
1000T150-97	0.1017	50	1.320	4.49	16.413	3.170	3.526	0.171	0.360	16.413	2.902	86.90	9507	4.550	5.557	-0.495	0.332	3.579	0.981
1000T150-118	0.1242	50	1.611	5.48	20.121	3.857	3.534	0.204	0.356	20.121	3.852	115.32	16235	8.285	4.307	-0.488	0.328	3.585	0.982
1000T200-43 ¹	0.0451	33	0.631	2.15	8.361	1.646	3.640	0.183	0.539	6.722	0.861	17.01	822	0.428	3.540	-0.813	0.534	3.769	0.953
1000T200-54	0.0566	50	0.792	2.69	10.516	2.062	3.645	0.228	0.537	8.560	1.111	33.26	1628	0.845	4.434	-0.809	0.531	3.772	0.954
1000T200-68	0.0713	50	0.997	3.39	13.292	2.594	3.651	0.284	0.534	11.820	1.684	50.42	3261	1.690	5.576	-0.803	0.527	3.776	0.955
1000T200-97	0.1017	50	1.422	4.84	19.087	3.686	3.664	0.397	0.528	18.583	3.081	92.25	9507	4.901	7.924	-0.791	0.519	3.786	0.956
1000T200-118	0.1242	50	1.736	5.91	23.422	4.489	3.674	0.476	0.524	23.422	4.208	125.99	16235	8.924	9.649	-0.783	0.514	3.793	0.957
1000T250-43 ¹	0.0451	33	0.676	2.30	9.515	1.873	3.751	0.344	0.713	7.172	0.876	17.32	822	0.458	6.477	-1.147	0.737	3.987	0.917
1000T250-54	0.0566	50	0.848	2.89	11.972	2.348	3.757	0.429	0.711	9.141	1.132	33.89	1628	0.906	8.125	-1.142	0.734	3.990	0.918
1000T250-68	0.0713	50	1.068	3.64	15.138	2.954	3.764	0.536	0.708	12.708	1.726	51.68	3261	1.810	10.240	-1.135	0.730	3.995	0.919
1000T250-97	0.1017	50	1.523	5.18	21.760	4.202	3.780	0.751	0.702	20.254	3.201	95.84	9507	5.252	14.617	-1.122	0.721	4.005	0.921
1000T250-118	0.1242	50	1.860	6.33	26.723	5.122	3.791	0.905	0.698	25.734	4.422	132.38	16235	9.562	17.858	-1.112	0.715	4.012	0.923
1000T300-54	0.0566	50	0.905	3.08	13.427	2.633	3.852	0.714	0.888	10.940	1.191	35.65	1628	0.966	13.289	-1.500	0.947	4.228	0.874
1000T300-68	0.0713	50	1.140	3.88	16.985	3.314	3.860	0.894	0.885	14.316	1.904	57.01	3261	1.931	16.771	-1.493	0.943	4.233	0.876
1000T300-97	0.1017	50	1.625	5.53	24.434	4.719	3.878	1.257	0.879	21.816	3.589	107.45	9507	5.602	24.009	-1.478	0.934	4.242	0.879
1000T300-118	0.1242	50	1.984	6.75	30.024	5.755	3.890	1.519	0.875	27.760	4.668	139.76	16235	10.201	29.395	-1.468	0.927	4.249	0.881
1200T125-54 ¹	0.0566	50	0.820	2.79	13.335	2.186	4.033	0.060	0.271	11.460	1.286	38.51	1354	0.876	1.820	-0.333	0.230	4.055	0.993
1200T125-68	0.0713	50	1.033	3.51	16.826	2.747	4.036	0.074	0.268	15.686	1.934	57.90	2713	1.750	2.270	-0.329	0.227	4.059	0.993
1200T125-97	0.1017	50	1.472	5.01	24.078	3.897	4.044	0.102	0.263	23.751	3.442	103.06	7902	5.076	3.171	-0.322	0.222	4.065	0.994
1200T150-54 ¹	0.0566	50	0.848	2.89	14.378	2.357	4.117	0.103	0.348	12.020	1.313	39.31	1354	0.906	3.033	-0.454	0.310	4.156	0.988
1200T150-68	0.0713	50	1.068	3.64	18.148	2.963	4.121	0.127	0.345	16.566	1.987	59.48	2713	1.810	3.795	-0.450	0.307	4.160	0.988
1200T150-97	0.1017	50	1.523	5.18	25.987	4.266	4.130	0.176	0.340	25.719	3.616	108.27	7902	5.252	5.335	-0.441	0.301	4.168	0.989
1200T200-54																			



Curtain Wall, Non-Composite Wall Limiting Height Tables Notes

1. Studs considered single spanned and unpunched for web crippling and shear.
2. Listed wind pressures represent 1.0 W calculated based on 2021 IBC or 0.6 W calculated based on 2021 IBC. For deflection calculations, listed wind pressures, have been reduced by 0.70 as allowed by IBC. The 5 psf pressure has not been reduced for deflection checks.
3. Web-height thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads. Where limiting heights are followed by "e", web stiffeners are required at ends.
4. Limiting heights based on studs braced against rotation and lateral movement at support with properly fastened sheathing on both flanges over the full height Studs are assumed to be adequately braced at a maximum spacing of Lu to develop full allowable moment, Ma.

5. Limiting heights are based on steel properties only (non-composite).
6. Studs are assumed to be adequately braced at a maximum spacing of Lu to develop full allowable moment, Ma.
7. Web crippling check is based on 1" of bearing at end supports and 3" of bearing at interior support.
8. Shear and web crippling capacity at end supports have NOT been reduced for punchouts. Shear and web crippling capacity at interior support have been reduced for the presence of punchout adjacent to the support.
9. Combined bending and shear check at interior support is based on unreinforced web per AISI S100 (Eq. C3.3.1-1). Shear capacity and combined bending and shear check at interior support have been reduced for the presence of punchouts adjacent to support.
10. Allowable moment is lesser of M_{al} and M_{ad} . Stud distortional buckling is based on an assumed $K\Phi=0$.

Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			40 psf					
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600			
250S137-33	33	12	17' 6"	13' 10"	12' 1"	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' 2"	6' 10"	5' 9"	6' 3"	6' 2"	5' 3"
		16	15' 10"	12' 7"	11' 0"	9' 10"	8' 7"	7' 3"	8' 10"	7' 10"	6' 7"	7' 11"	7' 3"	6' 1"	7' 2"	6' 10"	5' 9"	6' 3"	6' 2"	5' 3"	6' 2"	5' 3"	
		24	13' 10"	11' 0"	9' 7"	8' 4"	7' 6"	6' 4"	7' 2"	6' 10"	5' 9"	6' 5"	6' 4"	5' 4"	5' 11" e	5' 11" e	5' 0"	5' 1" e	5' 1" e	5' 1" e	4' 7" e	4' 7" e	
250S162-33	33	12	18' 4"	14' 7"	12' 9"	11' 4"	9' 11"	8' 5"	10' 4"	9' 0"	7' 7"	9' 7"	8' 5"	7' 1"	8' 11"	7' 11"	6' 8"	7' 8"	7' 2"	6' 0"	6' 8"	6' 6"	5' 6"
		16	16' 8"	13' 3"	11' 7"	10' 4"	9' 0"	7' 7"	9' 5"	8' 2"	6' 11"	8' 5"	7' 7"	6' 5"	7' 8"	7' 2"	6' 0"	6' 8"	6' 6"	5' 11"	6' 6"	5' 6"	
		24	14' 7"	11' 7"	10' 1"	8' 11"	7' 11"	6' 8"	7' 8"	7' 2"	6' 0"	6' 11"	6' 8"	5' 7"	6' 3" e	5' 3"	5' 3"	5' 5" e	5' 5" e	4' 10" e	4' 10" e		
250S137-43	33	12	19' 0"	15' 1"	13' 2"	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' 6"	7' 5"	6' 3"	7' 5"	6' 3"	5' 8"
		16	17' 3"	13' 8"	11' 11"	10' 8"	9' 4"	7' 10"	9' 9"	8' 6"	7' 2"	9' 0"	7' 10"	6' 8"	8' 6"	7' 5"	6' 3"	7' 6"	6' 9"	5' 8"	6' 9"	5' 8"	
		24	15' 1"	11' 11"	10' 5"	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' 2"	5' 11"	5' 0"	5' 11"	5' 0"	
250S162-43	33	12	19' 11"	15' 10"	13' 10"	12' 4"	10' 10"	9' 1"	11' 3"	9' 10"	8' 3"	10' 5"	9' 1"	7' 8"	9' 10"	8' 7"	7' 3"	8' 11"	7' 9"	7' 3"	8' 11"	7' 9"	6' 7"
		16	18' 1"	14' 4"	12' 7"	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' 1"	7' 1"	6' 0"	6' 7"	5' 3"	
		24	15' 10"	12' 7"	11' 0"	9' 10"	8' 7"	7' 3"	8' 11"	7' 9"	6' 7"	8' 3"	7' 3"	6' 1"	7' 7"	6' 10"	5' 9"	6' 7"	6' 2"	5' 3"	6' 2"	5' 3"	
250S137-54	50	12	20' 3"	16' 1"	14' 1"	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' 1"	7' 11"	6' 8"	7' 11"	6' 8"	
		16	18' 5"	14' 8"	12' 9"	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' 3"	7' 2"	6' 1"	7' 2"	6' 1"	
		24	16' 1"	12' 9"	11' 2"	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' 2"	6' 3"	5' 4"	6' 3"	5' 4"	
250S162-54	50	12	21' 4"	16' 11"	14' 9"	13' 3"	11' 7"	9' 9"	12' 0"	10' 6"	8' 10"	11' 2"	9' 9"	8' 3"	10' 6"	9' 2"	7' 9"	9' 6"	8' 4"	7' 0"	7' 0"	6' 5"	
		16	19' 4"	15' 5"	13' 5"	12' 0"	10' 6"	8' 10"	10' 11"	9' 6"	8' 0"	10' 2"	8' 10"	7' 6"	9' 6"	8' 4"	7' 0"	8' 8"	7' 7"	6' 5"	7' 7"	6' 5"	
		24	16' 11"	13' 5"	11' 9"	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' 7"	6' 7"	5' 7"	6' 7"	5' 7"	
250S137-68	50	12	21' 8"	17' 2"	15' 0"	13' 5"	11' 9"	9' 11"	12' 2"	10' 8"	9' 0"	11' 4"	9' 11"	8' 4"	10' 8"	9' 4"	7' 10"	9' 8"	8' 5"	7' 1"	8' 5"	7' 1"	
		16	19' 8"	15' 7"	13' 7"	12' 2"	10' 8"	9' 0"	11' 1"	9' 8"	8' 2"	10' 3"	9' 0"	7' 7"	9' 8"	8' 5"	7' 1"	8' 9"	7' 8"	6' 6"	7' 8"	6' 6"	
		24	17' 2"	13' 7"	11' 11"	10' 8"	9' 4"	7' 10"	9' 8"	8' 5"	7' 1"	9' 0"	7' 10"	6' 7"	8' 5"	7' 5"	6' 3"	7' 8"	6' 8"	5' 8"	7' 8"	5' 8"	
250S162-68	50	12	22' 9"	18' 1"	15' 9"	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' 2"	8' 11"	7' 6"	8' 11"	7' 6"	
		16	20' 8"	16' 5"	14' 4"	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' 3"	8' 1"	6' 10"	8' 1"	6' 10"	
		24	18' 1"	14' 4"	12' 6"	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' 1"	7' 1"	5' 11"	7' 1"	5' 11"	
250S137-97	50	12	23' 8"	18' 10"	16' 5"	14' 8"	12' 10"	10' 10"	13' 4"	11' 8"	9' 10"	12' 5"	10' 10"	9' 1"	11' 8"	10' 2"	8' 7"	10' 7"	9' 3"	8' 5"	7' 9"	7' 9"	
		16	21' 6"	17' 1"	14' 11"	13' 4"	11' 8"	9' 10"	12' 1"	10' 7"	8' 11"	11' 3"	9' 10"	8' 3"	10' 7"	9' 3"	7' 10"	9' 7"	8' 5"	7' 1"	8' 5"	7' 1"	
		24	18' 10"	14' 11"	13' 0"	11' 8"	10' 2"	8' 7"	10' 7"	9' 3"	7' 10"	9' 10"	8' 7"	7' 3"	9' 3"	8' 1"	6' 10"	8' 5"	7' 4"	6' 2"	7' 4"	6' 2"	
250S162-97	50	12	25' 0"	19' 10"	17' 4"	15' 6"	13' 6"	11' 5"	14' 1"	12' 4"	10' 5"	13' 1"	11' 5"	9' 8"	12' 4"	10' 9"	9' 1"	11' 2"	9' 9"	8' 3"	10' 2"	8' 10"	7' 6"
		16	22' 9"	18' 0"	15' 9"	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' 2"	8' 10"	7' 6"	8' 10"	7' 6"	
		24	19' 10"	15' 9"	13' 9"	12' 4"	10' 9"	9' 1"	11' 2"	9' 9"	8' 3"	10' 5"	9' 9"	7' 8"	9' 9"	8' 6"	7' 2"	8' 10"	7' 9"	6' 6"	8' 10"	7' 9"	

350S137-33	33	12	23' 9"	18' 10"	16' 5"	14' 8"	12' 10"	10' 10"	13' 0"	11' 8"	9' 10"	11' 8"	10' 10"	9' 2"	10' 7"	10' 2"	8' 7"	9' 2" e	9' 2" e	7' 10"	9' 2" e	7' 10"
		16	21' 7"	17' 1"	14' 11"	13' 0"	11' 8"	9' 10"	11' 3"	10' 7"	8' 11"	10' 1" e	9' 10"	8' 4"	9' 2" e	9' 2" e	7' 9"	8' 0" e	8' 0" e	7' 1" e	8' 0" e	7' 1" e
		24	18' 5"	14' 11"	13' 1"	10' 8"	10' 2"	8' 7"	9' 2" e	9' 2" e	7' 10"	8' 2" e	8' 2" e	7' 3" e	7' 6" e	6' 9" e	6' 6" e	6' 6" e	6' 2" e	6' 6" e	6' 2" e	
350S162-33	33	12	25' 0"	19' 10"	17' 4"	15' 6"	13' 6"	11' 5"	13' 7"	12' 3"	10' 4"	12' 2"	11' 5"	9' 7"	10' 10"	9' 0"	8' 3"	8' 3"	8' 2"	8' 2"	8' 2"	
		16	22' 8"	18' 0"	15' 9"	13' 7"	12' 3"	10' 4"	11' 9"	11' 2"	9' 5"	9' 11"	9' 11"	8' 9"	8' 3"	8' 3"	8' 2"	6' 2"	6' 2"	6' 2"	6' 2"	
		24	19' 3"	15' 9"	13' 9"	11' 0"	10' 9"	9' 0"	8' 3"	8' 3"	6' 7"	6' 7"	6' 7"	5' 6"	5' 6"	5' 6"	4' 1"	4' 1"	4' 1"	4' 1"	4' 1"	
350S137-43	33	12	25' 10"	20' 6"	17' 11"	15' 11"	13' 11"	11' 9"	14' 6"	12' 8"	10' 8"	13' 6"	11' 9"	9' 11"	12' 6"	11' 1"	9' 4"	10' 10"	10' 1"	8' 6"	10' 1"	8' 6"
		16	23' 5"	18' 7"	16' 3"	14' 6"	12' 8"	10' 8"	13' 2"	11' 6"	9' 9"	11' 10"	10' 8"	9' 0"	10' 10"	10' 1"	8' 6"	9' 5"	9' 2"	7' 9"	9' 2"	7' 9"
		24	20' 6"	16' 3"	14' 2"	12' 6"	11' 1"	9' 4"	10' 10"	10' 1"	8' 6"	9' 8"	9' 4"	7' 11"	8' 10"	7' 5"	7' 8" e	7' 8" e	6' 9"	7' 8" e	6' 9"	
350S162-43	33	12	27' 2"	21' 7"	18' 10"	16' 10"	14' 9"	12' 5"	15' 4"	13' 4"	11' 3"	14' 2"	12' 5"	10' 5"	13' 4"	11' 8"	9' 10"	11' 7"	10' 7"	10' 0"	9' 7"	8' 11"
		16	24' 9"	19' 7"	17' 1"	15' 4"	13' 4"	11' 3"	13' 11"	12' 2"	10' 3"	12' 8"	11' 3"	9' 6"	11' 7"	10' 7"	8' 11"	10' 0"	9' 7"	8' 11"	8' 1"	
		24	21' 7"	17' 1"	14' 11"	13' 4"	11' 8"	9' 10"	11' 7"	10' 7"	8' 11"	10' 4"	9' 10"	8' 3"	9' 3"	9' 3"	7' 10"	6' 11"	6' 11"	6' 11"	6' 11"	
350S137-54	50	12	27' 8"	21' 11"	19' 2"	17' 1"	15' 0"	12' 7"	15' 7"	13' 7"	11' 6"	14' 5"	12' 7"	10' 8"	13' 7"	11' 10"	10' 0"	12' 4"	10' 9"	9' 1"	11' 2"	9' 9"
		16	25' 1"	19' 11"	17' 5"	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' 2"	9' 9"	8' 3"	11' 2"	9' 9"
		24	21' 11"	17' 5"	15' 2"	13' 7"	11' 10"	10' 0"	12' 4"	10' 9"	9' 1"	11' 6"	10' 0"	8' 5"	10' 9"	9' 5"	7' 11"	9' 9"	8' 6"	7' 2"	8' 6"	7' 2"
350S162-54	50	12	29' 2"	23' 2"	20' 3"	18' 1"	15' 9"	13' 4"	16' 5"	14' 4"	12' 1"	15' 3"	13' 4"	11' 2"	14' 4"	12' 6"	10' 7"	13' 0"	11' 4"	10' 4"	11' 4"	9' 7"
		16	26' 6"	21' 0"	18' 4"	16' 5"	14' 4"	12' 1"	14' 11"	13' 0"	11' 0"	13' 10"	12' 1"	10' 2"	13' 0"	11' 4"	9' 7"	11' 10"	10' 4"	8' 8"	11' 10"	10' 4"
		24	23' 2"	18' 4"	16' 0"	14' 4"	12' 6"	10' 7"	13' 0"	11												



Tables | Allowable Heights

Allowable Heights for Curtain Walls

Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			40 psf		
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
362S137-33	33	12	23' 3"	18' 5"	16' 1"	14' 3"	12' 7"	10' 7"	12' 4"	11' 5"	9' 8"	11' 1"	10' 7"	8' 11"	10' 1"	10' 0"	8' 5"	8' 9"	8' 9"	7' 8"
		16	21' 1"	16' 9"	14' 8"	12' 4"	11' 5"	9' 8"	10' 9"	10' 5"	8' 9"	9' 7"	9' 7"	8' 2"	8' 9"	8' 9"	7' 8"	7' 7"	7' 7"	6' 11"
		24	17' 6"	14' 8"	12' 10"	10' 1"	10' 0"	8' 5"	8' 9"	8' 9"	7' 8"	7' 10"	7' 10"	7' 10"	7' 2"	7' 2"	6' 8"	6' 2"	6' 2"	6' 1"
362S162-33	33	12	24' 4"	19' 4"	16' 11"	15' 1"	13' 2"	11' 1"	13' 3"	12' 0"	10' 1"	11' 11"	11' 1"	9' 5"	10' 10"	10' 6"	8' 10"	9' 5"	9' 5"	8' 0"
		16	22' 2"	17' 7"	15' 4"	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' 2"	8' 2"	7' 3"
		24	18' 9"	15' 4"	13' 5"	10' 10"	10' 6"	8' 10"	9' 5"	9' 5"	8' 0"	8' 5"	8' 5"	7' 5"	7' 8"	7' 8"	7' 0"	6' 8"	6' 8"	6' 4"
362S200-33	33	12	25' 8"	20' 5"	17' 10"	15' 11"	13' 11"	11' 9"	13' 11"	12' 8"	10' 8"	12' 5"	11' 9"	9' 11"	11' 4"	11' 1"	9' 4"	9' 10"	9' 10"	8' 6"
		16	23' 4"	18' 6"	16' 2"	13' 11"	12' 8"	10' 8"	12' 1"	11' 6"	9' 8"	10' 9"	10' 8"	9' 0"	9' 10"	9' 10"	8' 6"	8' 6"	8' 6"	7' 8"
		24	19' 8"	16' 2"	14' 2"	11' 4"	11' 1"	9' 4"	9' 10"	9' 10"	8' 6"	8' 10"	8' 10"	7' 10"	8' 0"	8' 0"	7' 5"	7' 0"	7' 0"	6' 9"
362S137-43	33	12	25' 3"	20' 1"	17' 6"	15' 8"	13' 8"	11' 7"	14' 3"	12' 5"	10' 6"	13' 0"	11' 7"	9' 9"	11' 10"	10' 10"	9' 2"	10' 3"	9' 10"	8' 4"
		16	23' 0"	18' 3"	15' 11"	14' 3"	12' 5"	10' 6"	12' 7"	11' 4"	9' 6"	11' 3"	10' 6"	8' 10"	10' 3"	9' 10"	8' 4"	8' 11"	8' 11"	7' 7"
		24	20' 1"	15' 11"	13' 11"	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' 3"	7' 3"	6' 7"
362S162-43	33	12	26' 6"	21' 0"	18' 4"	16' 5"	14' 4"	12' 1"	14' 11"	13' 0"	11' 0"	13' 10"	12' 1"	12' 9"	11' 5"	9' 7"	11' 1"	10' 4"	10' 4"	8' 9"
		16	24' 1"	19' 1"	16' 8"	14' 11"	13' 0"	11' 0"	13' 7"	11' 10"	10' 0"	12' 1"	11' 0"	9' 3"	11' 1"	10' 4"	8' 9"	9' 7"	9' 5"	7' 11"
		24	21' 0"	16' 8"	14' 7"	12' 9"	11' 5"	9' 7"	11' 1"	10' 4"	8' 9"	9' 11"	9' 7"	8' 1"	9' 0"	9' 0"	7' 7"	7' 10"	7' 10"	6' 11"
362S200-43	33	12	28' 0"	22' 3"	19' 5"	17' 4"	15' 2"	12' 9"	15' 9"	13' 9"	11' 7"	14' 8"	12' 9"	10' 9"	13' 8"	12' 0"	10' 2"	11' 10"	10' 11"	9' 3"
		16	25' 5"	20' 2"	17' 8"	15' 9"	13' 9"	11' 7"	14' 4"	12' 6"	10' 7"	13' 0"	11' 7"	9' 10"	11' 10"	10' 11"	9' 3"	10' 3"	9' 11"	8' 4"
		24	22' 3"	17' 8"	15' 5"	13' 8"	12' 0"	10' 2"	11' 10"	10' 11"	9' 3"	10' 7"	10' 2"	8' 7"	9' 8"	9' 7"	8' 1"	8' 5"	8' 5"	7' 4"
362S250-43	33	12	29' 6"	23' 5"	20' 5"	18' 3"	15' 11"	13' 5"	16' 7"	14' 6"	12' 2"	15' 4"	13' 5"	11' 4"	14' 0"	12' 8"	10' 8"	12' 1"	11' 6"	9' 8"
		16	26' 9"	21' 3"	18' 7"	16' 7"	14' 6"	12' 2"	14' 10"	13' 2"	11' 1"	13' 3"	12' 2"	10' 3"	12' 1"	11' 6"	9' 8"	10' 4"	10' 4"	8' 9"
		24	23' 5"	18' 7"	16' 2"	14' 0"	12' 8"	10' 8"	12' 1"	11' 6"	9' 8"	10' 10"	10' 8"	9' 0"	9' 2"	9' 2"	8' 5"	6' 11"	6' 11"	6' 11"
362S137-54	50	12	27' 1"	21' 6"	18' 9"	16' 9"	14' 8"	12' 4"	15' 3"	13' 4"	11' 3"	14' 2"	12' 4"	10' 5"	13' 4"	11' 8"	9' 10"	12' 1"	10' 7"	8' 11"
		16	24' 7"	19' 6"	17' 1"	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' 0"	9' 7"	8' 1"
		24	21' 5"	17' 1"	14' 11"	13' 4"	11' 8"	9' 10"	12' 1"	10' 7"	8' 11"	11' 3"	9' 10"	8' 3"	10' 7"	9' 3"	7' 9"	9' 7"	8' 5"	7' 1"
362S162-54	50	12	28' 5"	22' 6"	19' 8"	17' 7"	15' 4"	13' 0"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"	14' 0"	12' 2"	10' 3"	12' 8"	11' 1"	9' 4"
		16	25' 10"	20' 6"	17' 11"	16' 0"	14' 0"	11' 9"	14' 6"	12' 8"	10' 8"	13' 6"	11' 9"	9' 11"	12' 8"	11' 1"	9' 4"	11' 6"	10' 1"	8' 6"
		24	22' 6"	17' 11"	15' 7"	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' 1"	8' 10"	7' 5"
362S200-54	50	12	30' 0"	23' 10"	20' 10"	18' 7"	16' 3"	13' 8"	16' 11"	14' 9"	12' 5"	15' 8"	13' 8"	11' 7"	14' 9"	12' 11"	10' 10"	13' 5"	11' 9"	9' 11"
		16	27' 3"	21' 8"	18' 11"	16' 11"	14' 9"	12' 5"	15' 4"	13' 5"	11' 4"	14' 3"	12' 5"	10' 6"	13' 5"	11' 9"	9' 11"	12' 2"	10' 8"	9' 0"
		24	23' 10"	18' 11"	16' 6"	14' 9"	12' 11"	10' 10"	13' 5"	11' 9"	9' 11"	12' 5"	10' 10"	9' 2"	11' 9"	10' 3"	8' 8"	10' 8"	9' 4"	7' 10"
362S250-54	50	12	31' 7"	25' 1"	21' 11"	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' 1"	12' 4"	10' 4"
		16	28' 8"	22' 9"	19' 10"	17' 9"	15' 6"	13' 1"	16' 2"	14' 1"	11' 11"	15' 0"	13' 1"	11' 0"	14' 1"	12' 4"	10' 4"	12' 10"	11' 2"	9' 5"
		24	25' 1"	19' 10"	17' 4"	15' 6"	13' 7"	11' 5"	14' 1"	12' 4"	10' 4"	13' 1"	11' 5"	9' 7"	12' 4"	10' 9"	9' 1"	11' 2"	9' 9"	8' 3"
362S137-68	50	12	28' 11"	22' 11"	20' 1"	17' 11"	15' 8"	13' 2"	16' 3"	14' 3"	12' 0"	15' 1"	13' 2"	11' 2"	14' 3"	12' 5"	10' 6"	12' 11"	11' 4"	9' 6"
		16	26' 3"	20' 10"	18' 3"	16' 3"	14' 3"	12' 0"	14' 10"	12' 11"	10' 11"	13' 9"	12' 0"	10' 1"	12' 11"	11' 4"	9' 6"	11' 9"	10' 3"	8' 8"
		24	22' 11"	18' 3"	15' 11"	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' 3"	9' 0"	7' 7"
362S162-68	50	12	30' 4"	24' 1"	21' 1"	18' 10"	16' 5"	13' 10"	17' 1"	14' 11"	12' 7"	15' 11"	13' 10"	11' 8"	14' 11"	13' 1"	11' 0"	13' 7"	11' 10"	10' 0"
		16	27' 7"	21' 11"	19' 2"	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' 4"	10' 9"	9' 1"
		24	24' 1"	19' 2"	16' 9"	14' 11"	13' 1"	11' 0"	13' 7"	11' 10"	10' 0"	12' 7"	11' 0"	9' 3"	11' 10"	10' 4"	8' 9"	10' 9"	9' 5"	7' 11"
362S200-68	50	12	32' 2"	25' 6"	22' 3"	19' 11"	17' 5"	14' 8"	18' 1"	15' 10"	13' 4"	16' 10"	14' 8"	12' 5"	15' 10"	13' 10"	11' 8"	14' 4"	12' 7"	10' 7"
		16	29' 2"	23' 2"	20' 3"	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' 1"	11' 5"	9' 7"
		24	25' 6"	20' 3"	17' 8"	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' 5"	9' 11"	8' 5"
362S250-68	50	12	33' 11"	26' 11"	23' 6"	21' 0"	18' 4"	15' 5"	19' 1"	16' 8"	14' 0"	17' 8"	15' 5"	13' 0"	16' 8"	14' 7"	12' 3"	15' 2"	13' 3"	11' 2"
		16	30' 9"	24' 5"	21' 4"	19' 1"	16' 8"	14' 0"	17' 4"	15' 2"	12' 9"	16' 1"	14' 0"	11' 10"	15' 2"	13' 3"	11' 2"	13' 9"	12' 0"	10' 1"
		24	26' 11"	21' 4"	18' 8"	16' 8"	14' 7"	12' 3"	15' 2"	13' 3"	11' 2"	14' 0"	12' 3"	10' 4"	13' 3"	11' 6"	9' 9"	12' 0"	10' 6"	8' 10"
362S137-97	50	12	31' 10"	25' 3"	22' 1"	19' 9"	17' 3"	14' 6"	17' 11"	15' 8"	13' 2"	16' 8"	14' 6"	12' 3"	15' 8"	13' 8"	11' 6"	14' 3"	12' 5"	10' 6"
		16	28' 11"	22' 11"	20' 1"	17' 11"	15' 8"	13' 2"	16' 3"	14' 3"	12' 0"	15' 1"	13' 2"	11' 2"	14' 3"	12' 5"	10' 6"	12' 11"	11' 3"	9' 6"
		24	25' 3"	20' 1"	17' 6"	15' 8"	13' 8"	11' 6"	14' 3"	12' 5"	10' 6"	13' 2"	11' 6"	9' 9"	12' 5"	10' 10"	9' 2"	11' 3"	9' 10"	8' 4"
362S162-97	50	12	33' 6"	26' 7"	23' 3"	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' 0"	13' 1"	11' 0"
		16	30' 5"	24' 2"	21' 1"	18' 10"	16' 6"	13' 11"	17' 2"	15' 0"	12' 8"	15' 11"	13' 11"	11' 9"	15' 0"	13' 1"	11' 0"	13' 7"	11' 11"	10' 0"
		24	26' 7"	21' 1"	18' 5"	16' 6"	14' 5"	12' 2"	15' 0"	13' 1"	11' 0"	13' 11"	12' 2"	10' 3"	13' 1"	11' 5"	9' 8"	11' 11"	10' 5"	8' 9"
362S200-97	50	12	35' 6"	28' 2"	24' 8"	22' 0"	19' 3"	16' 3"	20' 0"	17' 6"	14' 9"	18' 7"	16' 3"	13' 8"	17' 6"	15' 3"	12' 11"	15' 11"	13' 10"	11' 8"
		16	32' 3"	25' 8"	22' 5"	20' 0"	17' 6"	14' 9"	18' 2"	15' 11"	13' 5"	16' 11"	14' 9"	12' 5"	15' 11"	13' 10"	11' 8"	14' 5"	12' 7"	10' 8"
		24	28' 2"	22' 5"	19' 7"	17' 6"	15' 3"	12' 11"	15' 11"	13' 10"	11' 8"	14' 9"	12' 11"	10' 10"						



Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			40 psf		
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
400S137-33	33	12	25' 1"	19' 11"	17' 5"	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' 3"	9' 3"	8' 3"
		16	22' 7"	18' 1"	15' 10"	13' 1"	12' 4"	10' 5"	11' 4"	11' 3"	9' 6"	10' 1"	10' 1"	8' 9"	9' 3"	9' 3"	8' 0"	8' 0"	8' 0"	7' 6"
		24	18' 6"	15' 10"	13' 10"	10' 8"	10' 8"	9' 1"	9' 3"	9' 3"	8' 3"	8' 3"	8' 3"	7' 8"	7' 6"	7' 6"	6' 6"	6' 6"	6' 6"	6' 6"
400S162-33	33	12	26' 3"	20' 10"	18' 3"	16' 2"	14' 3"	12' 0"	14' 0"	12' 11"	10' 11"	12' 7"	12' 0"	10' 1"	11' 5"	11' 4"	9' 6"	9' 11"	9' 11"	8' 8"
		16	23' 11"	18' 11"	16' 7"	14' 0"	12' 11"	10' 11"	12' 2"	11' 9"	9' 11"	10' 10"	10' 10"	9' 2"	9' 11"	9' 11"	8' 8"	8' 7"	8' 7"	7' 10"
		24	19' 10"	16' 7"	14' 6"	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' 0"	7' 0"	6' 10"
400S200-33	33	12	27' 9"	22' 0"	19' 3"	17' 0"	15' 0"	12' 8"	14' 9"	13' 8"	11' 6"	13' 2"	12' 8"	10' 8"	12' 0"	11' 11"	10' 1"	10' 5"	10' 5"	9' 2"
		16	25' 2"	20' 0"	17' 6"	14' 9"	13' 8"	11' 6"	12' 9"	12' 5"	10' 5"	11' 5"	11' 5"	9' 8"	10' 5"	10' 5"	9' 2"	9' 0"	9' 0"	8' 4"
		24	20' 10"	17' 6"	15' 3"	12' 0"	11' 11"	10' 1"	10' 5"	10' 5"	9' 2"	9' 4"	9' 4"	8' 6"	8' 6"	8' 6"	7' 4"	7' 4"	7' 4"	7' 3"
400S137-43	33	12	27' 4"	21' 8"	18' 11"	16' 11"	14' 9"	12' 6"	15' 4"	13' 5"	11' 4"	13' 9"	12' 6"	10' 6"	12' 7"	11' 9"	9' 11"	10' 10"	10' 8"	9' 0"
		16	24' 10"	19' 8"	17' 2"	15' 4"	13' 5"	11' 4"	13' 4"	12' 2"	10' 4"	11' 11"	11' 4"	9' 7"	10' 10"	10' 8"	9' 0"	9' 5"	9' 5"	8' 2"
		24	21' 8"	17' 2"	15' 0"	12' 7"	11' 9"	9' 11"	10' 10"	10' 8"	9' 0"	9' 9"	9' 9"	8' 4"	8' 11"	8' 11"	7' 10"	7' 8"	7' 8"	7' 2"
400S162-43	33	12	28' 7"	22' 8"	19' 10"	17' 9"	15' 6"	13' 1"	16' 1"	14' 1"	11' 10"	14' 10"	13' 1"	11' 0"	13' 6"	12' 3"	10' 4"	11' 0"	11' 2"	8' 4"
		16	26' 0"	20' 7"	18' 0"	16' 1"	14' 1"	11' 10"	14' 4"	12' 9"	10' 9"	12' 10"	11' 10"	10' 0"	11' 9"	11' 2"	9' 5"	10' 2"	10' 2"	8' 7"
		24	22' 8"	18' 0"	15' 9"	13' 6"	12' 3"	10' 4"	11' 9"	11' 2"	9' 5"	10' 6"	10' 4"	8' 9"	9' 7"	9' 7"	8' 3"	8' 3"	8' 3"	7' 6"
400S200-43	33	12	30' 2"	23' 11"	20' 11"	18' 8"	16' 4"	13' 9"	17' 0"	14' 10"	12' 6"	15' 9"	13' 9"	11' 7"	14' 6"	13' 0"	10' 11"	12' 7"	11' 9"	9' 11"
		16	27' 5"	21' 9"	19' 0"	17' 0"	14' 10"	12' 6"	15' 4"	13' 6"	11' 4"	13' 9"	12' 6"	10' 7"	12' 7"	11' 9"	9' 11"	10' 10"	10' 8"	9' 0"
		24	23' 11"	19' 0"	16' 7"	14' 6"	13' 0"	10' 11"	12' 7"	11' 9"	9' 11"	11' 3"	10' 11"	9' 3"	10' 3"	10' 3"	8' 8"	8' 10"	8' 10"	7' 11"
400S250-43	33	12	31' 9"	25' 2"	22' 0"	19' 8"	17' 2"	14' 6"	17' 10"	15' 7"	13' 2"	16' 3"	14' 6"	12' 2"	14' 10"	13' 7"	11' 6"	12' 10"	12' 4"	10' 5"
		16	28' 10"	22' 10"	20' 0"	17' 10"	15' 7"	13' 2"	15' 9"	14' 2"	11' 11"	14' 1"	13' 2"	11' 1"	12' 10"	12' 4"	10' 5"	11' 1"	11' 1"	9' 6"
		24	25' 2"	20' 0"	17' 5"	14' 10"	13' 7"	11' 6"	12' 10"	12' 4"	10' 5"	11' 6"	11' 6"	9' 8"	10' 6"	10' 6"	9' 1"	9' 1"	9' 1"	8' 3"
400S137-54	50	12	29' 3"	23' 2"	20' 3"	18' 1"	15' 10"	13' 4"	16' 6"	14' 5"	12' 2"	15' 3"	13' 4"	11' 3"	14' 5"	12' 7"	10' 7"	13' 1"	11' 5"	9' 8"
		16	26' 7"	21' 1"	18' 5"	16' 6"	14' 5"	12' 2"	15' 0"	13' 1"	11' 0"	13' 11"	12' 2"	10' 3"	13' 1"	11' 5"	9' 8"	11' 0"	10' 4"	8' 9"
		24	23' 2"	18' 5"	16' 1"	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' 4"	9' 1"	7' 8"
400S162-54	50	12	30' 8"	24' 4"	21' 3"	19' 0"	16' 7"	14' 0"	17' 3"	15' 1"	12' 9"	16' 0"	14' 0"	11' 10"	15' 1"	13' 2"	11' 1"	13' 8"	12' 0"	10' 1"
		16	27' 10"	22' 1"	19' 4"	17' 3"	15' 1"	12' 9"	15' 8"	13' 8"	11' 7"	12' 9"	10' 9"	13' 8"	12' 0"	10' 1"	12' 5"	10' 10"	10' 2"	9' 2"
		24	24' 4"	19' 4"	16' 10"	15' 1"	13' 2"	11' 1"	13' 8"	12' 0"	10' 1"	12' 9"	11' 1"	9' 4"	12' 0"	10' 5"	8' 10"	10' 10"	9' 6"	8' 0"
400S200-54	50	12	32' 4"	25' 8"	22' 5"	20' 1"	17' 6"	14' 9"	18' 3"	15' 11"	13' 5"	16' 11"	14' 9"	12' 6"	15' 11"	13' 11"	11' 9"	14' 6"	12' 8"	10' 8"
		16	29' 5"	23' 4"	20' 5"	18' 3"	15' 11"	13' 5"	16' 7"	14' 6"	12' 2"	15' 4"	13' 5"	11' 4"	14' 6"	12' 8"	10' 8"	13' 2"	11' 6"	9' 8"
		24	25' 8"	20' 5"	17' 10"	15' 11"	13' 11"	11' 9"	14' 6"	12' 8"	10' 8"	13' 5"	11' 9"	9' 11"	12' 8"	11' 0"	9' 4"	11' 6"	10' 0"	8' 5"
400S250-54	50	12	34' 0"	27' 0"	23' 7"	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' 2"	13' 3"	11' 2"
		16	30' 11"	24' 6"	21' 5"	19' 2"	16' 9"	14' 1"	17' 5"	15' 2"	12' 10"	16' 2"	14' 1"	11' 11"	15' 2"	13' 3"	11' 2"	13' 9"	12' 0"	10' 2"
		24	27' 0"	21' 5"	18' 8"	16' 9"	14' 7"	12' 4"	15' 2"	13' 3"	11' 2"	14' 1"	12' 4"	10' 4"	13' 3"	11' 7"	9' 9"	11' 11"	10' 6"	8' 10"
400S137-68	50	12	31' 3"	24' 10"	21' 8"	19' 4"	16' 11"	14' 3"	17' 7"	15' 5"	13' 0"	16' 4"	14' 3"	12' 0"	15' 5"	13' 5"	11' 4"	14' 0"	12' 2"	10' 4"
		16	28' 5"	22' 7"	19' 8"	17' 7"	15' 5"	13' 0"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"	14' 0"	12' 2"	10' 4"	12' 8"	11' 1"	9' 4"
		24	24' 10"	19' 8"	17' 2"	15' 5"	13' 5"	11' 4"	14' 0"	12' 2"	10' 4"	13' 10"	11' 4"	9' 7"	12' 2"	10' 8"	9' 0"	11' 1"	9' 8"	8' 2"
400S162-68	50	12	32' 10"	26' 0"	22' 9"	20' 4"	17' 9"	15' 0"	18' 6"	16' 2"	13' 7"	17' 2"	15' 0"	12' 8"	16' 2"	14' 1"	11' 11"	14' 8"	12' 10"	10' 10"
		16	29' 10"	23' 8"	20' 8"	18' 6"	16' 2"	13' 7"	16' 9"	14' 8"	12' 4"	15' 7"	13' 7"	11' 6"	14' 8"	12' 10"	10' 10"	13' 4"	11' 8"	9' 10"
		24	26' 0"	20' 8"	18' 1"	16' 2"	14' 1"	11' 11"	14' 8"	12' 10"	10' 10"	13' 7"	11' 11"	10' 0"	12' 10"	11' 2"	9' 5"	11' 8"	10' 2"	8' 7"
400S200-68	50	12	34' 8"	27' 6"	24' 0"	21' 6"	18' 9"	15' 10"	19' 6"	17' 1"	14' 5"	18' 1"	15' 10"	13' 4"	17' 1"	14' 11"	12' 7"	15' 6"	13' 6"	11' 5"
		16	31' 6"	25' 0"	21' 10"	19' 6"	17' 1"	14' 5"	17' 9"	15' 6"	13' 1"	16' 6"	14' 5"	12' 2"	15' 6"	13' 6"	11' 5"	14' 1"	12' 4"	10' 4"
		24	27' 6"	21' 10"	19' 1"	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' 4"	10' 9"	9' 1"
400S250-68	50	12	36' 6"	29' 0"	25' 4"	22' 7"	19' 9"	16' 8"	20' 7"	17' 11"	15' 2"	19' 1"	16' 8"	14' 1"	17' 11"	15' 8"	13' 3"	16' 4"	14' 3"	12' 0"
		16	33' 2"	26' 4"	23' 0"	20' 7"	17' 11"	15' 2"	18' 8"	16' 4"	13' 9"	17' 4"	15' 2"	12' 9"	16' 4"	14' 3"	12' 0"	14' 10"	12' 11"	10' 11"
		24	29' 0"	23' 0"	20' 1"	17' 11"	15' 8"	13' 3"	16' 4"	14' 3"	12' 0"	15' 2"	13' 3"	11' 2"	14' 3"	12' 5"	10' 6"	12' 11"	11' 3"	9' 6"
400S137-97	50	12	34' 5"	27' 4"	23' 11"	21' 4"	18' 8"	15' 9"	19' 5"	16' 11"	14' 3"	18' 0"	15' 9"	13' 3"	16' 11"	14' 10"	12' 6"	15' 5"	13' 5"	11' 4"
		16	31' 3"	24' 10"	21' 8"	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' 0"	12' 3"	10' 4"
		24	27' 4"	21' 8"	18' 11"	16' 11"	14' 10"	12' 6"	15' 5"	13' 5"	11' 4"	14' 3"	12' 6"	10' 6"	13' 5"	11' 9"	9' 11"	12' 3"	10' 8"	9' 0"
400S162-97	50	12	36' 3"	28' 9"	25' 1"	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' 2"	14' 2"	11' 11"
		16	32' 11"	26' 1"	22' 10"	20' 5"	17' 10"	15' 0"	18' 6"	16' 2"	13' 8"	17' 2"	15' 0"	12' 8"	16' 2"	14' 2"	11' 11"	14' 9"	12' 10"	10' 10"
		24	28' 9"	22' 10"	19' 11"	17' 10"	15' 7"	13' 2"	16' 2"	14' 2"	11' 11"	15' 0"	13' 2"	11' 1"	14' 2"	12' 4"	10' 5"	12' 10"	11' 3"	9' 6"
400S200-97	50	12	38' 4"	30' 5"	26' 7"	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' 2"	15' 0"	12' 8"
		16	34' 10"	27' 8"	24' 2"	21' 7"	18' 11"	15' 11"	19' 8"	17' 2"	14' 6"	18' 3"	15' 11"	13' 5"	17' 2"	15' 0"	12' 8"	15' 7"	13' 7"	11' 6"
		24	30' 5"	24' 2"	21' 1"	18' 11"	16' 6"	13' 11"	17' 2"											



Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			40 psf		
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
550S162-33	33	12	33' 8"	26' 9"	23' 4"	20' 11" e	18' 3"	15' 5"	18' 4" e	16' 7" e	14' 0"	16' 5" e	15' 5" e	13' 0" e	15' 0" e	14' 6" e	12' 3" e	13' 0" e	13' 0" e	11' 1" e
		16	30' 7"	24' 4"	21' 3"	18' 4" e	16' 7" e	14' 0"	15' 11" e	15' 1" e	12' 8" e	14' 3" e	14' 0" e	11' 9" e	13' 0" e	13' 0" e	11' 1" e	11' 3" e	11' 3" e	10' 1" e
		24	26' 0"	21' 3"	18' 6"	15' 0" e	14' 6" e	12' 3" e	13' 0" e	13' 0" e	11' 1" e	11' 7" e	11' 7" e	10' 4" e	10' 7" e	10' 7" e	9' 8" e	9' 2" e	9' 2" e	8' 10" e
550S200-33	33	12	35' 4"	28' 1"	24' 6"	20' 10" e	19' 2"	16' 2"	18' 0" e	17' 5" e	14' 8"	16' 1" e	16' 1" e	13' 7" e	14' 9" e	14' 9" e	12' 10" e	12' 9" e	12' 9" e	11' 7" e
		16	31' 3"	25' 6"	22' 3"	18' 0" e	17' 5" e	14' 8"	15' 7" e	15' 7" e	13' 4" e	13' 11" e	13' 11" e	12' 4" e	12' 9" e	12' 9" e	11' 7" e	11' 0" e	11' 0" e	10' 7" e
		24	25' 6"	22' 3"	19' 5"	14' 9" e	14' 9" e	12' 10" e	12' 9" e	12' 9" e	11' 7" e	11' 5" e	11' 5" e	10' 9" e	10' 5" e	10' 5" e	10' 2" e	9' 0" e	9' 0" e	9' 0" e
550S162-43	33	12	36' 8"	29' 1"	25' 5"	22' 9"	19' 10"	16' 9"	20' 8"	18' 1"	15' 3"	19' 2"	16' 9"	14' 2"	18' 1" e	15' 9"	13' 4"	15' 8" e	14' 4" e	12' 1"
		16	33' 4"	26' 5"	23' 1"	20' 8"	18' 1"	15' 3"	18' 9"	16' 5"	13' 10"	17' 2" e	15' 3"	12' 10"	15' 8" e	14' 4" e	12' 1"	13' 7" e	13' 0" e	11' 0" e
		24	29' 1"	23' 1"	20' 2"	18' 1" e	15' 9"	13' 4"	15' 8" e	14' 4" e	12' 1"	14' 1" e	13' 4" e	11' 3" e	12' 10" e	12' 6" e	10' 7" e	11' 1" e	11' 1" e	9' 7" e
550S200-43	33	12	38' 6"	30' 7"	26' 8"	23' 10"	20' 10"	17' 7"	21' 6"	18' 11"	16' 0"	19' 3"	17' 7"	14' 10"	17' 7" e	16' 6"	13' 11"	15' 3" e	15' 0" e	12' 8"
		16	35' 0"	27' 9"	24' 3"	21' 6"	18' 11"	16' 0"	18' 8"	17' 2"	14' 6"	16' 8" e	16' 0" e	13' 5"	15' 3" e	15' 0" e	12' 8"	13' 2" e	13' 2" e	11' 6" e
		24	30' 6"	24' 3"	21' 2"	17' 5"	16' 6"	13' 11"	15' 3" e	15' 0" e	12' 8"	13' 7" e	13' 7" e	11' 9" e	12' 5" e	12' 5" e	11' 1" e	10' 9" e	10' 9" e	10' 0"
550S162-54	50	12	39' 4"	31' 3"	27' 3"	24' 5"	21' 4"	18' 0"	22' 2"	19' 4"	16' 4"	20' 7"	18' 0"	15' 2"	19' 4"	16' 11"	14' 3"	17' 7"	15' 4"	13' 0"
		16	35' 9"	28' 5"	24' 9"	22' 2"	19' 4"	16' 4"	20' 2"	17' 7"	14' 10"	18' 8"	16' 4"	13' 9"	17' 7"	15' 4"	13' 0"	16' 0"	14' 0"	11' 9"
		24	31' 3"	24' 9"	21' 8"	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' 0"	12' 2"	10' 3"
550S200-54	50	12	41' 4"	32' 10"	28' 8"	25' 7"	22' 5"	18' 10"	23' 3"	20' 4"	17' 2"	21' 7"	18' 10"	15' 11"	20' 4"	17' 9"	15' 0"	18' 6"	16' 1"	13' 7"
		16	37' 7"	29' 10"	26' 0"	23' 3"	20' 4"	17' 2"	21' 2"	18' 6"	15' 7"	19' 7"	17' 2"	14' 5"	18' 6"	16' 1"	13' 7"	16' 9"	14' 8"	12' 4"
		24	32' 10"	26' 0"	22' 9"	20' 4"	17' 9"	15' 0"	18' 6"	16' 1"	13' 7"	17' 2"	15' 0"	12' 7"	16' 1"	14' 1"	11' 10"	14' 4"	12' 9"	10' 9"
550S162-68	50	12	42' 2"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 9"	20' 9"	17' 6"	22' 1"	19' 3"	16' 3"	20' 9"	18' 2"	15' 3"	18' 10"	16' 6"	13' 11"
		16	38' 4"	30' 5"	26' 7"	23' 9"	20' 9"	17' 6"	21' 7"	18' 10"	15' 11"	20' 0"	17' 6"	14' 9"	18' 10"	16' 6"	13' 11"	17' 2"	15' 0"	12' 7"
		24	33' 6"	26' 7"	23' 3"	20' 9"	18' 2"	15' 3"	18' 10"	16' 6"	13' 11"	17' 6"	15' 3"	12' 11"	16' 6"	14' 5"	12' 2"	15' 0"	13' 1"	11' 0"
550S200-68	50	12	44' 4"	35' 2"	30' 9"	27' 6"	24' 0"	20' 3"	25' 0"	21' 10"	18' 5"	23' 2"	20' 3"	17' 1"	21' 10"	19' 1"	16' 1"	19' 10"	17' 4"	14' 7"
		16	40' 4"	32' 0"	27' 11"	25' 0"	21' 10"	18' 5"	22' 8"	19' 10"	16' 8"	21' 1"	18' 5"	15' 6"	19' 10"	17' 4"	14' 7"	18' 0"	15' 9"	13' 3"
		24	35' 2"	27' 11"	24' 5"	21' 10"	19' 1"	16' 1"	19' 10"	17' 4"	14' 7"	18' 5"	16' 1"	13' 6"	17' 4"	15' 1"	12' 9"	15' 9"	13' 9"	11' 7"
550S162-97	50	12	46' 8"	37' 1"	32' 5"	28' 11"	25' 3"	21' 4"	26' 4"	23' 0"	19' 5"	24' 5"	21' 4"	18' 0"	23' 0"	20' 1"	16' 11"	20' 11"	18' 3"	15' 5"
		16	42' 5"	33' 8"	29' 5"	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' 0"	16' 7"	14' 0"
		24	37' 1"	29' 5"	25' 8"	23' 0"	20' 1"	16' 11"	20' 11"	18' 3"	15' 5"	19' 5"	16' 11"	14' 3"	18' 3"	15' 11"	13' 5"	16' 7"	14' 6"	12' 3"
550S200-97	50	12	49' 3"	39' 1"	34' 2"	30' 6"	26' 8"	22' 6"	27' 8"	24' 2"	20' 5"	25' 9"	22' 6"	18' 11"	24' 2"	21' 2"	17' 10"	22' 0"	19' 2"	16' 2"
		16	44' 9"	35' 6"	31' 0"	27' 8"	24' 2"	20' 5"	25' 2"	22' 0"	18' 6"	23' 4"	20' 5"	17' 2"	22' 0"	19' 2"	16' 2"	20' 0"	17' 5"	14' 8"
		24	39' 1"	31' 0"	27' 1"	24' 2"	21' 2"	17' 10"	22' 0"	19' 2"	16' 2"	20' 5"	17' 10"	15' 0"	19' 2"	16' 9"	14' 2"	17' 5"	15' 3"	12' 10"

Notes:

1. "e" Requires web stiffeners at end supports
2. Strength Multiplier = 1.0
3. Deflection Multiplier = 1.0 for 5 psf
4. Deflection Multiplier = 0.7 for 15 psf and greater
5. Studs considered unpunched for web crippling and shear
6. 1 Span



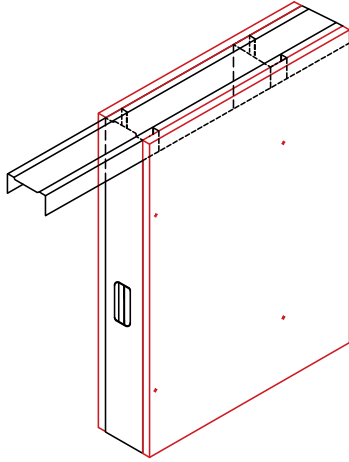
Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			40 psf			
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	
600S137-33	33	12	34' 4"	27' 3"	23' 10"	20' 0"	18' 7"	15' 8"	17' 4"	16' 11"	14' 3"	15' 6"	15' 6"	13' 3"	14' 2"	14' 2"	12' 5"	12' 3"	12' 3"	11' 4"	
		16	30' 0"	24' 9"	21' 8"	17' 4"	16' 11"	14' 3"	15' 0"	15' 0"	12' 11"	13' 5"	13' 5"	12' 0"	12' 3"	12' 3"	11' 4"	10' 7"	10' 7"	10' 3"	8' 8"
		24	24' 6"	21' 8"	18' 11"	14' 2"	14' 2"	12' 5"	12' 3"	12' 3"	11' 4"	11' 4"	10' 11"	10' 6"	10' 6"	10' 0"	10' 0"	9' 11"	8' 7"	8' 7"	8' 8"
600S162-33	33	12	36' 1"	28' 8"	25' 0"	22' 4"	19' 6"	16' 6"	19' 6"	17' 9"	15' 0"	17' 5"	16' 6"	13' 11"	15' 11"	15' 6"	13' 1"	13' 9"	13' 9"	11' 11"	11' 11"
		16	32' 9"	26' 0"	22' 9"	19' 6"	17' 9"	15' 0"	16' 11"	16' 2"	13' 7"	15' 1"	15' 0"	12' 8"	13' 9"	13' 9"	11' 11"	11' 11"	11' 11"	10' 10"	10' 10"
		24	27' 7"	22' 9"	19' 10"	15' 11"	15' 6"	13' 1"	13' 9"	13' 9"	11' 11"	12' 4"	12' 4"	11' 0"	11' 3"	11' 3"	10' 5"	9' 9"	9' 9"	9' 9"	9' 5"
600S200-33	33	12	37' 9"	30' 0"	26' 2"	23' 4"	20' 6"	17' 3"	20' 3"	18' 7"	15' 8"	18' 1"	17' 3"	14' 7"	16' 6"	16' 3"	13' 8"	14' 4"	14' 4"	12' 5"	12' 5"
		16	34' 4"	27' 3"	23' 10"	20' 3"	18' 7"	15' 8"	17' 6"	16' 11"	14' 3"	15' 8"	15' 8"	13' 3"	14' 4"	14' 4"	12' 5"	12' 5"	12' 5"	11' 4"	11' 4"
		24	28' 7"	23' 10"	20' 10"	16' 6"	16' 3"	13' 8"	14' 4"	14' 4"	12' 5"	12' 10"	12' 10"	11' 7"	11' 8"	11' 8"	10' 10"	10' 1"	10' 1"	9' 11"	9' 11"
600S137-43	33	12	37' 8"	29' 11"	26' 2"	23' 4"	20' 5"	17' 3"	20' 7"	18' 6"	15' 8"	18' 5"	17' 3"	14' 6"	16' 10"	16' 2"	13' 8"	14' 7"	14' 7"	12' 5"	12' 5"
		16	34' 3"	27' 2"	23' 9"	20' 7"	18' 6"	15' 8"	17' 10"	16' 10"	14' 2"	16' 0"	15' 8"	13' 2"	14' 7"	14' 7"	12' 5"	12' 7"	12' 7"	11' 3"	11' 3"
		24	29' 2"	23' 9"	20' 9"	16' 10"	16' 2"	13' 8"	14' 7"	14' 7"	12' 5"	13' 0"	13' 0"	11' 6"	11' 11"	11' 11"	10' 10"	10' 4"	10' 4"	9' 10"	9' 10"
600S162-43	33	12	39' 4"	31' 2"	27' 3"	24' 4"	21' 3"	17' 11"	22' 2"	19' 4"	16' 4"	20' 7"	17' 11"	15' 2"	19' 3"	16' 4"	14' 5"	16' 8"	15' 4"	12' 11"	12' 11"
		16	35' 9"	28' 4"	24' 9"	22' 2"	19' 4"	16' 4"	20' 1"	17' 7"	14' 10"	18' 3"	16' 4"	13' 9"	16' 8"	15' 4"	12' 11"	14' 5"	13' 11"	11' 9"	11' 9"
		24	31' 2"	24' 9"	21' 8"	19' 3"	16' 11"	14' 3"	16' 8"	15' 4"	12' 11"	14' 11"	14' 3"	12' 0"	13' 7"	13' 5"	11' 4"	11' 9"	11' 9"	10' 3"	10' 3"
600S200-43	33	12	41' 3"	32' 9"	28' 7"	25' 7"	22' 4"	18' 10"	23' 3"	20' 4"	17' 2"	21' 5"	18' 10"	15' 11"	19' 7"	17' 9"	15' 0"	16' 11"	16' 11"	13' 7"	13' 7"
		16	37' 6"	29' 9"	26' 0"	23' 3"	20' 4"	17' 2"	20' 9"	18' 5"	15' 7"	18' 7"	17' 2"	14' 5"	16' 11"	16' 1"	13' 7"	14' 8"	14' 8"	12' 4"	12' 4"
		24	32' 9"	26' 0"	22' 9"	19' 7"	17' 9"	15' 0"	16' 11"	16' 1"	13' 7"	15' 2"	15' 0"	12' 7"	13' 10"	13' 10"	11' 11"	11' 11"	12' 0"	12' 0"	10' 9"
600S250-43	33	12	43' 2"	34' 3"	29' 11"	26' 9"	23' 4"	19' 8"	23' 2"	21' 3"	17' 11"	20' 9"	19' 8"	16' 7"	18' 11"	18' 6"	15' 8"	16' 5"	16' 5"	14' 11"	14' 11"
		16	39' 3"	31' 2"	27' 2"	23' 2"	21' 3"	17' 11"	20' 1"	19' 3"	16' 3"	18' 0"	17' 11"	15' 1"	16' 5"	16' 5"	14' 2"	14' 2"	13' 7"	11' 5"	11' 5"
		24	32' 10"	27' 2"	23' 9"	17' 3"	17' 3"	15' 8"	16' 5"	16' 5"	14' 2"	14' 8"	14' 8"	13' 2"	13' 5"	13' 5"	12' 5"	12' 5"	12' 5"	10' 0"	10' 0"
600S137-54	50	12	40' 5"	32' 1"	28' 0"	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' 1"	15' 9"	13' 4"	13' 4"
		16	36' 9"	29' 2"	25' 6"	22' 9"	19' 11"	16' 9"	20' 8"	18' 1"	15' 3"	19' 2"	16' 9"	14' 2"	18' 1"	15' 9"	13' 4"	16' 5"	14' 4"	12' 1"	12' 1"
		24	32' 1"	25' 6"	22' 3"	19' 11"	17' 4"	14' 8"	18' 1"	15' 9"	13' 4"	16' 9"	14' 8"	12' 4"	15' 9"	13' 9"	11' 8"	13' 11"	12' 6"	10' 7"	10' 7"
600S162-54	50	12	42' 2"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 9"	20' 9"	17' 6"	22' 1"	19' 3"	16' 3"	20' 9"	18' 1"	15' 3"	18' 10"	16' 6"	13' 11"	13' 11"
		16	38' 4"	30' 5"	26' 7"	23' 9"	20' 9"	17' 6"	21' 7"	18' 10"	15' 11"	20' 0"	17' 6"	14' 9"	18' 10"	16' 6"	13' 11"	17' 2"	15' 0"	12' 7"	12' 7"
		24	33' 6"	26' 7"	23' 3"	20' 9"	18' 1"	15' 3"	18' 10"	16' 6"	13' 11"	17' 6"	15' 3"	12' 11"	16' 6"	14' 5"	12' 2"	15' 0"	13' 1"	11' 0"	11' 0"
600S200-54	50	12	44' 4"	35' 2"	30' 9"	27' 6"	24' 0"	20' 3"	24' 11"	21' 10"	18' 5"	23' 2"	20' 3"	17' 1"	21' 10"	19' 1"	16' 1"	19' 10"	17' 4"	14' 7"	14' 7"
		16	40' 3"	32' 0"	27' 11"	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' 0"	15' 9"	13' 3"	13' 3"
		24	35' 2"	27' 11"	24' 5"	21' 10"	19' 1"	16' 1"	19' 10"	17' 4"	14' 7"	18' 5"	16' 1"	13' 7"	17' 4"	15' 1"	12' 9"	15' 9"	13' 9"	11' 7"	11' 7"
600S250-54	50	12	46' 4"	36' 9"	32' 1"	28' 9"	25' 1"	21' 2"	26' 1"	22' 9"	19' 11"	24' 3"	21' 2"	17' 10"	22' 9"	19' 11"	16' 9"	18' 4"	16' 0"	13' 6"	13' 6"
		16	42' 1"	33' 5"	29' 2"	26' 1"	22' 9"	19' 2"	23' 8"	20' 8"	17' 5"	22' 0"	19' 2"	16' 2"	20' 8"	18' 1"	15' 3"	16' 8"	14' 7"	12' 3"	12' 3"
		24	36' 9"	29' 2"	25' 6"	22' 9"	19' 11"	16' 9"	20' 8"	18' 1"	15' 3"	19' 2"	16' 9"	14' 2"	17' 10"	15' 9"	13' 4"	14' 7"	12' 9"	10' 9"	10' 9"
600S137-68	50	12	43' 4"	34' 4"	30' 0"	26' 10"	23' 5"	19' 9"	24' 5"	21' 4"	18' 0"	22' 8"	19' 9"	16' 8"	21' 4"	18' 7"	15' 8"	19' 4"	16' 11"	14' 3"	14' 3"
		16	39' 4"	31' 3"	27' 3"	24' 5"	21' 4"	18' 0"	22' 2"	19' 4"	16' 4"	20' 7"	18' 0"	15' 2"	19' 4"	16' 11"	14' 3"	17' 7"	15' 4"	12' 11"	12' 11"
		24	34' 4"	27' 3"	23' 10"	21' 4"	18' 7"	15' 8"	19' 4"	16' 11"	14' 3"	18' 0"	15' 8"	13' 3"	16' 11"	14' 9"	12' 5"	15' 4"	13' 5"	11' 4"	11' 4"
600S162-68	50	12	45' 3"	35' 11"	31' 4"	28' 0"	24' 6"	20' 8"	25' 6"	22' 3"	18' 9"	23' 8"	20' 8"	17' 5"	22' 3"	19' 5"	16' 5"	20' 2"	17' 8"	14' 11"	14' 11"
		16	41' 1"	32' 7"	28' 6"	25' 6"	22' 3"	18' 9"	23' 2"	20' 2"	17' 1"	21' 6"	18' 9"	15' 10"	20' 2"	17' 8"	14' 11"	18' 4"	16' 0"	13' 6"	13' 6"
		24	35' 11"	28' 6"	24' 11"	22' 3"	19' 5"	16' 5"	20' 2"	17' 8"	14' 11"	18' 9"	16' 5"	13' 10"	17' 8"	15' 5"	13' 0"	16' 0"	14' 0"	11' 10"	11' 10"
600S200-68	50	12	47' 7"	37' 9"	33' 0"	29' 6"	25' 9"	21' 9"	26' 9"	23' 5"	19' 9"	24' 10"	21' 9"	18' 4"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	15' 8"
		16	43' 2"	34' 3"	29' 11"	26' 9"	23' 5"	19' 9"	24' 4"	21' 3"	17' 11"	22' 7"	19' 9"	16' 8"	21' 3"	18' 7"	15' 8"	19' 4"	16' 10"	14' 3"	14' 3"
		24	37' 9"	29' 11"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	18' 7"	16' 3"	13' 8"	16' 10"	14' 9"	12' 5"	12' 5"
600S250-68	50	12	49' 10"	39' 6"	34' 6"	30' 10"	26' 11"	22' 9"	28' 0"	24' 6"	20' 8"	26' 0"	22' 9"	19' 2"	24' 6"	21' 5"	18' 0"	19' 9"	17' 3"	14' 6"	14' 6"
		16	45' 3"	35' 11"	31' 4"	28' 0"	24' 6"	20' 8"	25' 6"	22' 3"	18' 9"	23' 8"	20' 8"	17' 5"	22' 3"	19' 5"	16' 5"	17' 11"	15' 8"	13' 2"	13' 2"
		24	39' 6"	31' 4"	27' 5"	24' 6"	21' 5"	18' 0"	22' 3"	19' 5"	16' 5"	20' 8"	18' 0"	15' 2"	19' 5"	17' 0"	14' 4"	15' 8"	13' 8"	11' 6"	11' 6"
600S137-97	50	12	47' 11"	38' 0"	33' 2"	29' 8"	25' 11"	21' 10"	27' 0"	23' 7"	19' 10"	25' 0"	21' 10"	18' 5"	23' 7"	20' 7"	17' 4"	21' 5"	18' 8"	15' 9"	15' 9"
		16	43' 6"	34' 6"	30' 2"	27' 0"	23' 7"	19' 10"	24' 6"	21' 5"	18' 1"	22' 9"	19' 10"	16' 9"	21' 5"	18' 8"	15' 9"	19' 5"	17' 0"	14' 4"	14' 4"
		24	38' 0"	30' 2"	26' 4"	23' 7"	20' 7"	17' 4"	21' 5"	18' 8"	15' 9"	19' 10"	17' 4"	14' 8"	18' 8"	16' 4"	13' 9"	17' 0"	14' 10"	12' 6"	12' 6"
600S162-97	50	12	50' 1"	39' 9"	34' 9"	31' 1"	27' 2"	22' 11"	28' 3"	24' 8"	20' 9"	26' 2"	22' 11"	19' 4"	24' 8"	21' 6"	18' 2"	22' 5"	19' 7"	16' 6"	16' 6"
		16	45' 6"	36' 2"	31' 7"	28' 3"	24' 8"	20' 9"	25' 8"	22' 5"	18' 11"	23' 10"	20' 9"	17' 6"	22' 5"	19' 7"	16' 6"	20' 4"	17' 9"	15' 0"	15' 0"
		24	39' 9"	31' 7"	27' 7"	24' 8"	21' 6"	18' 2"	22' 5												



Section	Fy (ksi)	Spacing (in) oc	5 psf			15 psf			20 psf			25 psf			30 psf			40 psf		
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
800S137-33	33	12	40' 6" e	34' 0" e	29' 8" e	23' 5" e	23' 2" e	19' 7" e	20' 3" e	20' 3" e	17' 9" e	18' 1" e	18' 1" e	16' 6" e	16' 6" e	15' 6" e	14' 4" e	14' 4" e	14' 1" e	
		16	35' 1" e	30' 11" e	27' 0" e	20' 3" e	20' 3" e	17' 9" e	17' 6" e	17' 6" e	16' 2" e	15' 8" e	15' 8" e	15' 0" e	14' 4" e	14' 4" e	14' 1" e	12' 5" e	12' 5" e	12' 5" e
		24	28' 8" e	27' 0" e	23' 7" e	16' 6" e	16' 6" e	15' 6" e	14' 4" e	14' 4" e	14' 1" e	12' 10" e	12' 10" e	12' 10" e	11' 8" e	11' 8" e	11' 8" e	10' 1" e	10' 1" e	10' 1" e
800S162-33	33	12	43' 3" e	35' 5" e	30' 11" e	25' 0" e	24' 2" e	20' 4" e	21' 7" e	21' 7" e	18' 6" e	19' 4" e	19' 4" e	17' 2" e	17' 8" e	17' 8" e	16' 2" e	15' 3" e	15' 3" e	14' 8" e
		16	37' 5" e	32' 2" e	28' 1" e	21' 7" e	21' 7" e	18' 6" e	18' 9" e	18' 9" e	16' 10" e	16' 9" e	15' 7" e	15' 3" e	15' 3" e	14' 8" e	13' 3" e	13' 3" e	13' 3" e	
		24	30' 7" e	28' 1" e	24' 7" e	17' 8" e	17' 8" e	16' 2" e	15' 3" e	15' 3" e	14' 8" e	13' 8" e	13' 8" e	13' 8" e	12' 6" e	12' 6" e	12' 6" e	10' 10" e	10' 10" e	10' 10" e
800S200-33	33	12	46' 4" e	37' 9" e	33' 0" e	26' 9" e	25' 9" e	21' 8" e	23' 2" e	23' 2" e	19' 9" e	20' 9" e	20' 9" e	18' 4" e	18' 11" e	18' 11" e	17' 3" e	16' 5" e	16' 5" e	15' 8" e
		16	40' 2" e	34' 3" e	29' 11" e	23' 2" e	23' 2" e	19' 9" e	20' 1" e	20' 1" e	17' 11" e	17' 11" e	16' 8" e	16' 5" e	16' 5" e	15' 8" e	14' 2" e	14' 2" e	14' 2" e	
		24	32' 9" e	29' 11" e	26' 2" e	18' 11" e	18' 11" e	17' 3" e	16' 5" e	16' 5" e	15' 8" e	14' 8" e	14' 8" e	14' 6" e	13' 5" e	13' 5" e	13' 5" e	11' 7" e	11' 7" e	11' 7" e
800S137-43	33	12	47' 2" e	37' 5" e	32' 8" e	28' 1" e	25' 6" e	21' 6" e	24' 3" e	23' 2" e	19' 7" e	21' 9" e	21' 9" e	18' 2" e	19' 10" e	19' 10" e	17' 2" e	17' 2" e	17' 2" e	15' 6" e
		16	42' 1" e	34' 0" e	29' 9" e	24' 3" e	23' 2" e	19' 7" e	21' 0" e	21' 0" e	17' 9" e	18' 10" e	18' 10" e	16' 6" e	17' 2" e	17' 2" e	15' 6" e	14' 10" e	14' 10" e	14' 1" e
		24	34' 4" e	29' 9" e	25' 11" e	19' 10" e	19' 10" e	17' 1" e	17' 2" e	17' 2" e	15' 6" e	15' 4" e	15' 4" e	14' 5" e	14' 0" e	14' 0" e	13' 7" e	12' 2" e	12' 2" e	12' 2" e
800S162-43	33	12	49' 1" e	38' 11" e	34' 0" e	29' 11" e	26' 7" e	22' 5" e	25' 11" e	24' 2" e	20' 4" e	23' 2" e	23' 2" e	22' 5" e	18' 11" e	18' 11" e	17' 9" e	18' 4" e	18' 4" e	16' 2" e
		16	44' 7" e	35' 4" e	30' 11" e	25' 11" e	24' 2" e	20' 4" e	22' 5" e	21' 11" e	18' 6" e	20' 1" e	20' 1" e	17' 2" e	18' 4" e	18' 4" e	16' 2" e	15' 10" e	15' 10" e	14' 8" e
		24	36' 8" e	30' 11" e	27' 0" e	21' 2" e	21' 1" e	17' 9" e	18' 4" e	18' 4" e	16' 2" e	16' 5" e	16' 5" e	15' 0" e	15' 0" e	15' 0" e	14' 1" e	12' 11" e	12' 11" e	12' 10" e
800S200-43	33	12	51' 10" e	41' 1" e	35' 11" e	32' 1" e	28' 1" e	23' 8" e	29' 2" e	25' 6" e	21' 6" e	26' 1" e	23' 8" e	19' 11" e	23' 10" e	22' 3" e	18' 9" e	20' 8" e	20' 3" e	17' 1" e
		16	47' 1" e	37' 4" e	32' 8" e	29' 2" e	25' 6" e	21' 6" e	25' 3" e	23' 2" e	19' 6" e	22' 7" e	21' 6" e	18' 2" e	20' 8" e	20' 3" e	17' 1" e	17' 10" e	17' 10" e	15' 6" e
		24	41' 1" e	32' 8" e	28' 6" e	23' 10" e	22' 3" e	18' 9" e	20' 8" e	20' 8" e	17' 1" e	18' 5" e	18' 5" e	15' 10" e	16' 10" e	16' 10" e	14' 11" e	14' 7" e	14' 7" e	13' 6" e
800S250-43	33	12	54' 0" e	42' 10" e	37' 5" e	31' 3" e	29' 3" e	24' 8" e	27' 1" e	26' 6" e	22' 5" e	24' 3" e	24' 3" e	20' 9" e	22' 1" e	22' 1" e	19' 7" e	19' 2" e	18' 8" e	15' 9" e
		16	46' 11" e	38' 11" e	34' 0" e	27' 1" e	26' 6" e	22' 5" e	23' 5" e	23' 5" e	20' 4" e	21' 0" e	21' 0" e	18' 10" e	19' 2" e	19' 2" e	17' 9" e	16' 7" e	16' 7" e	14' 4" e
		24	38' 4" e	34' 0" e	29' 8" e	22' 1" e	22' 1" e	19' 7" e	19' 2" e	19' 2" e	17' 9" e	17' 1" e	17' 1" e	16' 6" e	15' 7" e	15' 7" e	15' 7" e	13' 6" e	13' 6" e	12' 6" e
800S137-54	50	12	50' 9" e	40' 3" e	35' 2" e	31' 5" e	27' 5" e	23' 2" e	28' 7" e	24' 1" e	21' 0" e	26' 6" e	23' 2" e	19' 6" e	24' 11" e	21' 10" e	18' 5" e	22' 8" e	19' 10" e	16' 8" e
		16	46' 1" e	36' 7" e	31' 11" e	28' 7" e	24' 11" e	21' 0" e	25' 11" e	22' 8" e	19' 1" e	24' 1" e	21' 0" e	17' 9" e	22' 8" e	19' 10" e	16' 8" e	20' 2" e	18' 0" e	15' 2" e
		24	40' 3" e	31' 11" e	27' 11" e	24' 11" e	21' 10" e	18' 5" e	22' 8" e	19' 10" e	16' 8" e	20' 10" e	18' 5" e	15' 6" e	19' 0" e	17' 4" e	14' 7" e	16' 5" e	15' 9" e	13' 3" e
800S162-54	50	12	52' 9" e	41' 10" e	36' 7" e	32' 8" e	28' 7" e	24' 1" e	29' 9" e	25' 11" e	21' 11" e	27' 7" e	24' 1" e	20' 4" e	25' 11" e	22' 8" e	19' 1" e	23' 7" e	20' 7" e	17' 4" e
		16	47' 11" e	38' 1" e	33' 3" e	29' 9" e	25' 11" e	21' 11" e	27' 0" e	23' 7" e	19' 11" e	25' 1" e	21' 11" e	18' 6" e	23' 7" e	20' 7" e	17' 4" e	21' 5" e	18' 9" e	15' 9" e
		24	41' 10" e	33' 3" e	29' 0" e	25' 11" e	22' 8" e	19' 1" e	23' 7" e	20' 7" e	17' 4" e	21' 11" e	19' 1" e	16' 2" e	20' 3" e	18' 0" e	15' 2" e	17' 6" e	16' 4" e	13' 9" e
800S200-54	50	12	55' 8" e	44' 2" e	38' 7" e	34' 6" e	30' 2" e	25' 5" e	31' 4" e	27' 5" e	23' 1" e	29' 1" e	25' 5" e	21' 5" e	27' 5" e	23' 11" e	20' 2" e	24' 10" e	21' 9" e	18' 4" e
		16	50' 7" e	40' 2" e	35' 1" e	31' 4" e	27' 5" e	23' 1" e	28' 6" e	24' 10" e	21' 0" e	26' 5" e	23' 1" e	19' 6" e	24' 10" e	21' 9" e	18' 4" e	22' 7" e	19' 9" e	16' 8" e
		24	44' 2" e	35' 1" e	30' 8" e	27' 5" e	23' 11" e	20' 2" e	24' 10" e	21' 9" e	18' 4" e	23' 1" e	20' 2" e	17' 0" e	21' 9" e	19' 0" e	16' 0" e	19' 4" e	17' 3" e	14' 7" e
800S250-54	50	12	58' 0" e	46' 1" e	40' 3" e	35' 11" e	31' 5" e	26' 6" e	32' 8" e	28' 6" e	24' 1" e	30' 4" e	26' 6" e	22' 4" e	25' 4" e	22' 1" e	18' 8" e	23' 0" e	20' 1" e	16' 11" e
		16	52' 9" e	41' 10" e	36' 6" e	32' 8" e	28' 6" e	24' 1" e	29' 8" e	25' 11" e	21' 10" e	27' 6" e	24' 1" e	20' 3" e	23' 0" e	20' 1" e	16' 11" e	20' 11" e	18' 3" e	15' 5" e
		24	46' 1" e	36' 6" e	31' 11" e	28' 6" e	24' 11" e	21' 0" e	25' 6" e	22' 8" e	19' 1" e	22' 10" e	19' 1" e	17' 9" e	19' 1" e	17' 7" e	14' 9" e	14' 4" e	14' 4" e	13' 5" e
800S137-68	50	12	54' 10" e	43' 6" e	38' 0" e	34' 0" e	29' 8" e	25' 0" e	30' 10" e	27' 0" e	22' 9" e	28' 8" e	25' 0" e	21' 1" e	27' 0" e	23' 7" e	19' 10" e	24' 6" e	21' 5" e	18' 1" e
		16	49' 10" e	39' 6" e	34' 6" e	30' 10" e	27' 0" e	22' 9" e	28' 1" e	24' 6" e	20' 8" e	26' 0" e	22' 9" e	19' 2" e	24' 6" e	21' 5" e	18' 1" e	22' 3" e	19' 5" e	16' 5" e
		24	43' 6" e	34' 6" e	30' 2" e	27' 0" e	23' 7" e	19' 10" e	24' 6" e	21' 5" e	18' 1" e	22' 9" e	19' 10" e	16' 9" e	21' 5" e	18' 8" e	15' 9" e	19' 2" e	17' 0" e	14' 4" e
800S162-68	50	12	57' 0" e	45' 3" e	39' 6" e	35' 4" e	30' 10" e	26' 0" e	32' 1" e	28' 1" e	23' 8" e	29' 10" e	26' 0" e	22' 0" e	28' 1" e	24' 6" e	20' 8" e	25' 6" e	22' 3" e	18' 9" e
		16	51' 10" e	41' 1" e	35' 11" e	32' 1" e	28' 1" e	23' 8" e	29' 2" e	25' 6" e	21' 6" e	27' 1" e	23' 8" e	19' 11" e	25' 6" e	22' 3" e	18' 9" e	23' 2" e	20' 3" e	17' 1" e
		24	45' 3" e	35' 11" e	31' 5" e	28' 1" e	24' 6" e	20' 8" e	25' 6" e	22' 3" e	18' 9" e	23' 8" e	20' 8" e	17' 5" e	22' 3" e	19' 5" e	16' 5" e	20' 3" e	17' 8" e	14' 11" e
800S200-68	50	12	59' 9" e	47' 5" e	41' 5" e	37' 0" e	32' 4" e	27' 4" e	33' 8" e	29' 5" e	24' 10" e	31' 3" e	27' 4" e	23' 0" e	29' 5" e	25' 8" e	21' 8" e	26' 9" e	23' 4" e	19' 8" e
		16	54' 4" e	43' 1" e	37' 8" e	33' 8" e	29' 5" e	24' 10" e	30' 7" e	26' 9" e	22' 6" e	28' 5" e	24' 10" e	20' 11" e	26' 9" e	23' 4" e	19' 8" e	24' 3" e	21' 2" e	17' 11" e
		24	47' 5" e	37' 8" e	32' 11" e	29' 5" e	25' 8" e	21' 8" e	26' 9" e	23' 4" e	19' 8" e	24' 10" e	21' 8" e	18' 3" e	23' 4" e	20' 5" e	17' 2" e	21' 2" e	18' 6" e	15' 7" e
800S250-68	50	12	62' 4" e	49' 6" e	43' 3" e	38' 8" e	33' 9" e	28' 5" e	35' 1" e	30' 8" e	25' 10" e	32' 7" e	28' 5" e	24' 0" e	27' 3" e	23' 9" e	20' 0" e	24' 9" e	21' 7" e	18' 2" e
		16	56' 8" e	44' 11" e	39' 3" e	35' 1" e	30' 8" e	25' 10" e	31' 11" e	27' 10" e	23' 6" e	29' 7" e	25' 10" e	21' 9" e	24' 9" e	21' 7" e	18' 2" e	22' 5" e	19' 7" e	16' 6" e
		24	49' 6" e	39' 3" e	34' 4" e	30' 8" e	26' 9" e	22' 7" e	27' 10" e	24' 4" e	20' 6" e	25' 10" e	22' 7" e	19' 0" e	21' 7" e	18' 10" e	15' 11" e	19' 7" e	17' 2" e	14' 5" e
800S137-97	50	12	60' 10" e	48' 4" e	42' 2" e	37' 9" e	32' 11" e	27' 10" e	34' 3" e	29' 11" e	25' 3" e	31' 10" e	27' 10" e	2						

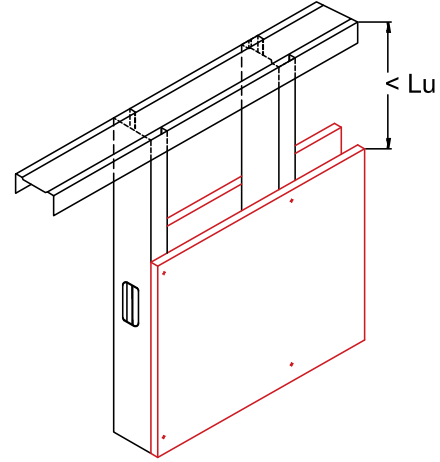
Non-Composite | Fully Braced

Gypsum Board Full Height
Both Sides



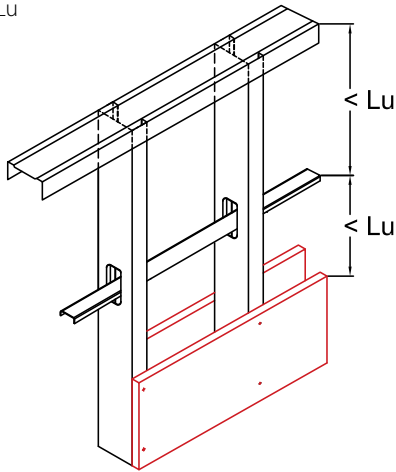
Non-Composite | Fully Braced

Unbraced Length is Less Than Lu



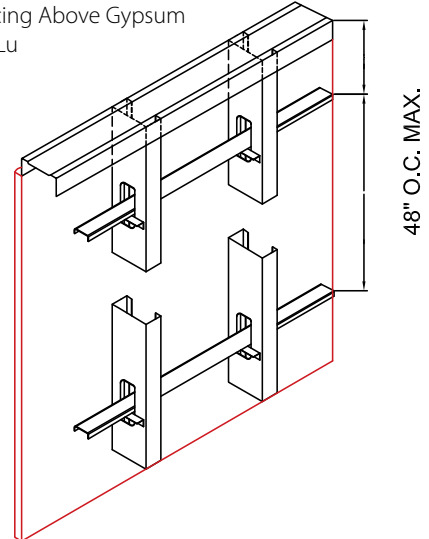
Non-Composite | Fully Braced

Bracing Spacing Above Gypsum
is Less Than Lu



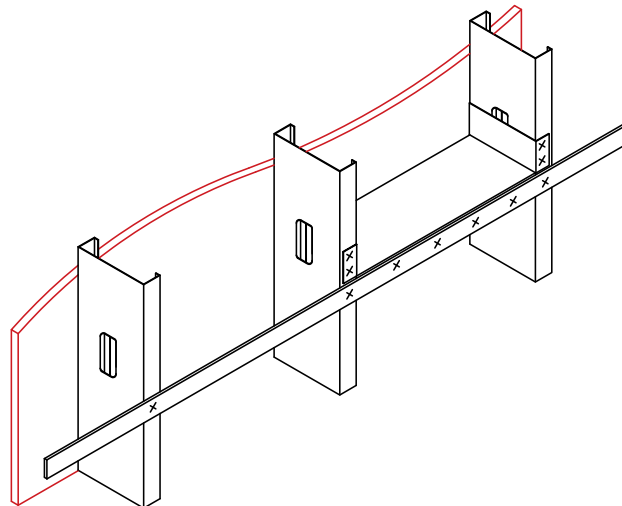
Non-Composite | Fully Braced

Bracing Spacing Above Gypsum
is Less Than Lu



Non-Composite | Fully Braced

Single Flat Strap with Blocking



Combined Loading Allowable Axial Load Table Notes

1. Allowable axial loads listed in kips (1 kip = 1000 pounds)
2. Allowable axial loads based on lateral and torsional bracing at a maximum of 4 feet on center.
3. Studs are assumed to be adequately braced at a maximum spacing of Lu to develop full allowable moment.
4. All tables are based on simple (single) spans.
5. Stud distortional based on an assumed $K\phi = 0$.

Wall Ht. (ft)	Spacing (in) o.c.	250S137-mils (Fy)					250S162-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	0.95 ⁶	1.37 ⁶	1.90 ⁶	2.54 ⁶	3.99 ⁶	1.20 ⁶	1.70 ⁶	2.31 ⁶	3.00 ⁶	4.53 ⁶
	16	0.87 ⁶	1.30 ⁶	1.85 ⁶	2.48 ⁶	3.91 ⁶	1.11 ⁶	1.62 ⁶	2.25 ⁶	2.94 ⁶	4.45 ⁶
	24	0.73 ⁶	1.16 ⁶	1.74 ⁶	2.36 ⁶	3.76 ⁶	0.96 ⁶	1.47 ⁶	2.13 ⁶	2.81 ⁶	4.30 ⁶
9	12	0.80 ⁶	1.18 ⁶	1.66 ⁶	2.21 ⁶	3.39 ⁶	1.02 ⁶	1.47 ⁶	2.01 ⁶	2.61 ⁶	3.88 ⁶
	16	0.72 ⁵	1.10 ⁶	1.60 ⁶	2.14 ⁶	3.30 ⁶	0.92 ⁶	1.37 ⁶	1.94 ⁶	2.53 ⁶	3.80 ⁶
	24	0.57 ³	0.94 ⁴	1.47 ⁵	2.00 ⁶	3.14 ⁶	0.75 ⁴	1.20 ⁵	1.80 ⁶	2.39 ⁶	3.63 ⁶
10	12	0.67 ⁵	1.00 ⁶	1.44 ⁶	1.90 ⁶	2.87 ⁶	0.84 ⁶	1.24 ⁶	1.73 ⁶	2.25 ⁶	3.32 ⁶
	16	0.58 ⁴	0.91 ⁵	1.36 ⁶	1.82 ⁶	2.78 ⁶	0.74 ⁴	1.14 ⁵	1.65 ⁶	2.17 ⁶	3.23 ⁶
	24	0.42 ²	0.74 ³	1.23 ⁴	1.68 ⁵	2.60 ⁶	0.57 ³	0.96 ³	1.51 ⁴	2.01 ⁵	3.05 ⁶
12	12	0.43 ³	0.69 ³	1.05 ⁴	1.39 ⁵	2.06 ⁶	0.56 ³	0.86 ⁵	1.27 ⁵	1.66 ⁶	2.43 ⁶
	16	0.34 ²	0.59 ²	0.97 ³	1.31 ⁴	1.96 ⁵	0.46 ²	0.76 ⁴	1.18 ⁴	1.57 ⁵	2.33 ⁶
	24	0.18 ¹	0.43 ¹	0.82 ²	1.15 ²	1.78 ³	0.28 ¹	0.58 ²	1.03 ²	1.40 ³	2.14 ⁴
14	12	0.26 ¹	0.46 ²	0.76 ³	1.01 ³	1.50 ⁴	0.35 ²	0.59 ²	0.93 ³	1.22 ⁴	1.79 ⁵
	16	0.17 ¹	0.37 ¹	0.68 ²	0.93 ²	1.40 ³	0.26 ¹	0.49 ²	0.84 ²	1.13 ³	1.69 ⁴
	24	0.02	0.21 ¹	0.54 ¹	0.78 ¹	1.23 ²	0.09 ¹	0.32 ¹	0.69 ¹	0.97 ²	1.51 ²
16	12	0.15 ¹	0.30 ¹	0.55 ²	0.74 ²	1.11 ³	0.21 ¹	0.40 ¹	0.68 ²	0.91 ²	1.34 ⁴
	16	0.06	0.22 ¹	0.47 ¹	0.66 ¹	1.02 ²	0.12 ¹	0.31 ¹	0.59 ¹	0.82 ²	1.25 ²
	24	0.00	0.07	0.34 ¹	0.52 ¹	0.86 ¹	0.00	0.15	0.45 ¹	0.67 ¹	1.08 ¹

Wall Ht. (ft)	Spacing (in) o.c.	350S162-mils (Fy)					350S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.81 ⁶	2.56 ⁶	3.97 ⁶	5.08 ⁶	7.48 ⁶	2.19 ⁶	3.17 ⁶	4.95 ⁶	6.30 ⁶	9.01 ⁶
	16	1.74 ⁶	2.48 ⁶	3.90 ⁶	5.01 ⁶	7.41 ⁶	2.10 ⁶	3.09 ⁶	4.87 ⁶	6.23 ⁶	8.93 ⁶
	24	1.58 ⁶	2.32 ⁶	3.76 ⁶	4.87 ⁶	7.27 ⁶	1.94 ⁶	2.92 ⁶	4.71 ⁶	6.07 ⁶	8.77 ⁶
9	12	1.67 ⁶	2.38 ⁶	3.65 ⁶	4.67 ⁶	6.88 ⁶	2.03 ⁶	2.95 ⁶	4.55 ⁶	5.78 ⁶	8.27 ⁶
	16	1.57 ⁶	2.28 ⁶	3.56 ⁶	4.58 ⁶	6.79 ⁶	1.92 ⁶	2.84 ⁶	4.44 ⁶	5.68 ⁶	8.16 ⁶
	24	1.39 ⁶	2.09 ⁶	3.39 ⁶	4.41 ⁶	6.62 ⁶	1.72 ⁶	2.64 ⁶	4.24 ⁶	5.49 ⁶	7.96 ⁶
10	12	1.51 ⁶	2.18 ⁶	3.29 ⁶	4.23 ⁶	6.22 ⁶	1.85 ⁶	2.71 ⁶	4.09 ⁶	5.22 ⁶	7.46 ⁶
	16	1.40 ⁶	2.07 ⁶	3.19 ⁶	4.12 ⁶	6.12 ⁶	1.73 ⁶	2.58 ⁶	3.97 ⁶	5.10 ⁶	7.34 ⁶
	24	1.19 ⁶	1.84 ⁶	2.99 ⁶	3.92 ⁶	5.92 ⁶	1.49 ⁶	2.34 ⁶	3.74 ⁶	4.88 ⁶	7.10 ⁶
12	12	1.18 ⁶	1.75 ⁶	2.56 ⁶	3.31 ⁶	4.86 ⁶	1.47 ⁶	2.19 ⁶	3.16 ⁶	4.07 ⁶	5.83 ⁶
	16	1.04 ⁵	1.61 ⁶	2.44 ⁶	3.18 ⁶	4.73 ⁶	1.32 ⁶	2.03 ⁶	3.02 ⁶	3.93 ⁶	5.68 ⁶
	24	0.79 ³	1.34 ⁴	2.21 ⁶	2.94 ⁶	4.50 ⁶	1.03 ⁶	1.73 ⁶	2.75 ⁶	3.67 ⁶	5.39 ⁶
14	12	0.86 ⁴	1.33 ⁶	1.95 ⁶	2.54 ⁶	3.75 ⁶	1.09 ⁵	1.68 ⁶	2.41 ⁶	3.13 ⁶	4.50 ⁶
	16	0.71 ³	1.17 ⁴	1.82 ⁵	2.40 ⁶	3.61 ⁶	0.92 ⁴	1.51 ⁵	2.25 ⁶	2.98 ⁶	4.34 ⁶
	24	0.46 ²	0.89 ³	1.58 ³	2.16 ⁴	3.36 ⁶	0.63 ²	1.20 ³	1.98 ⁴	2.71 ⁵	4.04 ⁶
16	12	0.59 ³	0.96 ⁴	1.48 ⁵	1.95 ⁶	2.90 ⁶	0.76 ³	1.23 ⁴	1.83 ⁶	2.42 ⁶	3.50 ⁶
	16	0.45 ²	0.80 ³	1.35 ³	1.81 ⁴	2.77 ⁶	0.60 ²	1.06 ³	1.68 ⁴	2.27 ⁵	3.33 ⁶
	24	0.21 ¹	0.54 ²	1.12 ²	1.57 ³	2.52 ⁴	0.32 ¹	0.76 ²	1.41 ³	1.93 ³	3.03 ⁵

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- Ky & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Wall	Spacing (in) o.c.	362S137-mils (Fy)					362S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.49 ⁶	2.14 ⁶	3.32 ⁶	4.37 ⁶	6.12 ⁶	1.87 ⁶	2.65 ⁶	4.15 ⁶	5.38 ⁶	7.90 ⁶	9.80 ⁶
	16	1.42 ⁶	2.07 ⁶	3.26 ⁶	4.30 ⁶	6.06 ⁶	1.80 ⁶	2.57 ⁶	4.08 ⁶	5.31 ⁶	7.83 ⁶	9.73 ⁶
	24	1.29 ⁶	1.93 ⁶	3.13 ⁶	4.17 ⁶	5.95 ⁶	1.65 ⁶	2.42 ⁶	3.94 ⁶	5.17 ⁶	7.70 ⁶	9.59 ⁶
9	12	1.38 ⁶	2.01 ⁶	3.11 ⁶	4.07 ⁶	6.05 ⁶	1.74 ⁶	2.48 ⁶	3.86 ⁶	4.99 ⁶	7.32 ⁶	9.05 ⁶
	16	1.30 ⁶	1.92 ⁶	3.02 ⁶	3.99 ⁶	5.97 ⁶	1.64 ⁶	2.38 ⁶	3.77 ⁶	4.90 ⁶	7.23 ⁶	8.96 ⁶
	24	1.13 ⁶	1.74 ⁶	2.87 ⁶	3.82 ⁶	5.81 ⁶	1.46 ⁶	2.19 ⁶	3.60 ⁶	4.72 ⁶	7.06 ⁶	8.78 ⁶
10	12	1.26 ⁶	1.85 ⁶	2.85 ⁶	3.73 ⁶	5.67 ⁶	1.58 ⁶	2.29 ⁶	3.53 ⁶	4.55 ⁶	6.67 ⁶	8.22 ⁶
	16	1.16 ⁶	1.75 ⁶	2.75 ⁶	3.63 ⁶	5.57 ⁶	1.47 ⁶	2.17 ⁶	3.42 ⁶	4.44 ⁶	6.57 ⁶	8.11 ⁶
	24	0.96 ⁶	1.54 ⁶	2.57 ⁶	3.44 ⁶	5.38 ⁶	1.26 ⁶	1.95 ⁶	3.22 ⁶	4.23 ⁶	6.37 ⁶	7.90 ⁶
12	12	0.99 ⁶	1.51 ⁶	2.27 ⁶	2.97 ⁶	4.48 ⁶	1.25 ⁶	1.87 ⁶	2.79 ⁶	3.60 ⁶	5.29 ⁶	6.48 ⁶
	16	0.86 ³	1.37 ⁶	2.15 ⁶	2.85 ⁶	4.36 ⁶	1.11 ⁶	1.72 ⁶	2.66 ⁶	3.47 ⁶	5.16 ⁶	6.34 ⁶
	24	0.63 ³	1.12 ⁴	1.93 ⁵	2.62 ⁶	4.13 ⁶	0.86 ⁴	1.44 ⁵	2.42 ⁶	3.22 ⁶	4.92 ⁶	6.08 ⁶
14	12	0.72 ⁴	1.15 ⁵	1.75 ⁶	2.30 ⁶	3.45 ⁶	0.93 ⁵	1.44 ⁶	2.14 ⁶	2.78 ⁶	4.10 ⁶	4.98 ⁶
	16	0.59 ³	1.00 ⁴	1.62 ⁵	2.16 ⁶	3.32 ⁶	0.78 ³	1.28 ⁵	2.00 ⁶	2.64 ⁶	3.95 ⁶	4.83 ⁶
	24	0.34 ²	0.73 ²	1.39 ³	1.92 ⁴	3.07 ⁶	0.52 ²	0.99 ³	1.75 ⁴	2.38 ⁵	3.69 ⁶	4.55 ⁶
16	12	0.50 ³	0.83 ³	1.33 ⁴	1.76 ⁵	2.66 ⁶	0.65 ³	1.06 ⁴	1.63 ⁵	2.14 ⁶	3.18 ⁶	3.86 ⁶
	16	0.36 ²	0.68 ²	1.20 ³	1.63 ⁴	2.53 ⁶	0.51 ²	0.90 ³	1.49 ⁴	2.00 ⁶	3.04 ⁶	3.71 ⁶
	24	0.12 ¹	0.42 ²	0.97 ²	1.39 ²	2.28 ⁶	0.25 ¹	0.62 ²	1.25 ²	1.74 ⁴	2.78 ⁴	3.44 ⁶

Wall	Spacing (in) o.c.	362S200-mils (Fy)					362S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.25 ⁶	3.28 ⁶	5.18 ⁶	6.68 ⁶	9.57 ⁶	11.69 ⁶	3.71 ⁶	5.82 ⁶	7.76 ⁶	11.05 ⁶	13.44 ⁶
	16	2.17 ⁶	3.20 ⁶	5.10 ⁶	6.60 ⁶	9.50 ⁶	11.62 ⁶	3.62 ⁶	5.73 ⁶	7.67 ⁶	10.98 ⁶	13.36 ⁶
	24	2.01 ⁶	3.03 ⁶	4.94 ⁶	6.45 ⁶	9.36 ⁶	11.47 ⁶	3.45 ⁶	5.56 ⁶	7.50 ⁶	10.83 ⁶	13.22 ⁶
9	12	2.10 ⁶	3.07 ⁶	4.79 ⁶	6.17 ⁶	8.84 ⁶	10.79 ⁶	3.52 ⁶	5.46 ⁶	7.17 ⁶	10.24 ⁶	12.43 ⁶
	16	2.00 ⁶	2.96 ⁶	4.69 ⁶	6.07 ⁶	8.75 ⁶	10.70 ⁶	3.40 ⁶	5.35 ⁶	7.06 ⁶	10.14 ⁶	12.34 ⁶
	24	1.80 ⁶	2.76 ⁶	4.49 ⁶	5.88 ⁶	8.58 ⁶	10.51 ⁶	3.18 ⁶	5.14 ⁶	6.85 ⁶	9.96 ⁶	12.16 ⁶
10	12	1.93 ⁶	2.84 ⁶	4.37 ⁶	5.61 ⁶	8.06 ⁶	9.82 ⁶	3.29 ⁶	5.08 ⁶	6.54 ⁶	9.36 ⁶	11.37 ⁶
	16	1.81 ⁶	2.71 ⁶	4.25 ⁶	5.49 ⁶	7.95 ⁶	9.71 ⁶	3.15 ⁶	4.95 ⁶	6.40 ⁶	9.25 ⁶	11.25 ⁶
	24	1.57 ⁶	2.47 ⁶	4.01 ⁶	5.27 ⁶	7.74 ⁶	9.49 ⁶	2.89 ⁶	4.69 ⁶	6.15 ⁶	9.03 ⁶	11.03 ⁶
12	12	1.56 ⁶	2.32 ⁶	3.45 ⁶	4.44 ⁶	6.42 ⁶	7.80 ⁶	2.74 ⁶	4.06 ⁶	5.21 ⁶	7.53 ⁶	9.13 ⁶
	16	1.40 ⁶	2.16 ⁶	3.30 ⁶	4.30 ⁶	6.28 ⁶	7.65 ⁶	2.55 ⁶	3.90 ⁶	5.05 ⁶	7.38 ⁶	8.99 ⁶
	24	1.12 ⁴	1.86 ⁶	3.03 ⁶	4.03 ⁶	6.02 ⁶	7.38 ⁶	2.22 ⁶	3.59 ⁶	4.74 ⁶	7.11 ⁶	8.70 ⁶
14	12	1.18 ⁶	1.81 ⁶	2.64 ⁶	3.43 ⁶	5.00 ⁶	6.05 ⁶	2.15 ⁶	3.12 ⁶	4.05 ⁶	5.91 ⁶	7.17 ⁶
	16	1.01 ⁴	1.63 ⁵	2.48 ⁶	3.27 ⁶	4.84 ⁶	5.89 ⁶	1.95 ⁶	2.94 ⁶	3.87 ⁶	5.75 ⁶	7.00 ⁶
	24	0.70 ³	1.31 ³	2.19 ⁴	2.99 ⁶	4.56 ⁶	5.60 ⁶	1.59 ⁴	2.62 ⁵	3.54 ⁶	5.45 ⁶	6.69 ⁶
16	12	0.84 ⁴	1.36 ⁵	2.01 ⁶	2.66 ⁶	3.91 ⁶	4.74 ⁶	1.63 ⁶	2.40 ⁶	3.15 ⁶	4.67 ⁶	5.67 ⁶
	16	0.67 ³	1.18 ⁴	1.86 ⁴	2.50 ⁶	3.76 ⁶	4.57 ⁶	1.42 ⁴	2.22 ⁵	2.97 ⁶	4.50 ⁶	5.49 ⁶
	24	0.38 ²	0.86 ²	1.58 ³	2.21 ⁴	3.47 ⁵	4.28 ⁶	1.06 ³	1.90 ³	2.64 ⁴	4.19 ⁶	5.17 ⁶

Wall	Spacing (in) o.c.	362S300-mils (Fy)				362S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	5.86 ⁶	8.17 ⁶	12.16 ⁶	15.14 ⁶	7.83 ⁶	11.10 ⁶	16.12 ⁶	19.46 ⁶
	16	5.78 ⁶	8.08 ⁶	12.08 ⁶	15.07 ⁶	7.74 ⁶	11.00 ⁶	16.02 ⁶	19.38 ⁶
	24	5.63 ⁶	7.91 ⁶	11.92 ⁶	14.93 ⁶	7.56 ⁶	10.81 ⁶	15.83 ⁶	19.21 ⁶
9	12	5.53 ⁶	7.65 ⁶	11.48 ⁶	14.05 ⁶	7.36 ⁶	10.36 ⁶	14.89 ⁶	17.99 ⁶
	16	5.43 ⁶	7.55 ⁶	11.37 ⁶	13.96 ⁶	7.25 ⁶	10.23 ⁶	14.77 ⁶	17.88 ⁶
	24	5.23 ⁶	7.33 ⁶	11.17 ⁶	13.77 ⁶	7.02 ⁶	9.98 ⁶	14.52 ⁶	17.67 ⁶
10	12	5.16 ⁶	7.06 ⁶	10.59 ⁶	12.88 ⁶	6.85 ⁶	9.55 ⁶	13.60 ⁶	16.44 ⁶
	16	5.03 ⁶	6.93 ⁶	10.46 ⁶	12.77 ⁶	6.71 ⁶	9.40 ⁶	13.44 ⁶	16.31 ⁶
	24	4.79 ⁶	6.67 ⁶	10.21 ⁶	12.55 ⁶	6.43 ⁶	9.10 ⁶	13.15 ⁶	16.04 ⁶
12	12	4.40 ⁶	5.85 ⁶	8.56 ⁶	10.45 ⁶	5.71 ⁶	7.72 ⁶	10.95 ⁶	13.28 ⁶
	16	4.23 ⁶	5.67 ⁶	8.40 ⁶	10.30 ⁶	5.52 ⁶	7.52 ⁶	10.75 ⁶	13.10 ⁶
	24	3.91 ⁶	5.34 ⁶	8.08 ⁶	10.01 ⁶	5.16 ⁶	7.14 ⁶	10.38 ⁶	12.76 ⁶
14	12	3.55 ⁶	4.66 ⁶	6.76 ⁶	8.28 ⁶	4.52 ⁶	5.96 ⁶	8.53 ⁶	10.39 ⁶
	16	3.35 ⁶	4.46 ⁶	6.57 ⁶	2.10 ⁶	4.31 ⁶	5.74 ⁶	8.31 ⁶	10.19 ⁶
	24	3.00 ⁶	4.09 ⁶	6.22 ⁶	7.78 ⁶	3.92 ⁶	5.65 ⁶	7.90 ⁶	9.82 ⁶
16	12	2.77 ⁶	3.64 ⁶	5.36 ⁶	6.60 ⁶	3.55 ⁶	4.64 ⁶	6.71 ⁶	8.22 ⁶
	16	2.56 ⁶	3.44 ⁶	5.16 ⁶	6.41 ⁶	3.33 ⁶	4.42 ⁶	6.48 ⁶	8.01 ⁶
	24	2.21 ⁴	3.07 ⁵	4.80 ⁶	6.08 ⁶	2.94 ⁶	4.02 ⁶	6.07 ⁶	7.63 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- Ky & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 5psf Lateral Load

Wall	Spacing	400S137-mils (Fy)					400S162-mils (Fy)					
		Ht. (ft)	(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)
8	12	1.61 ⁶	2.31 ⁶	3.67 ⁶	4.98 ⁶	6.49 ⁶	2.03 ⁶	2.87 ⁶	4.62 ⁶	6.18 ⁶	9.12 ⁶	11.27 ⁶
	16	1.55 ⁶	2.25 ⁶	3.61 ⁶	4.91 ⁶	6.44 ⁶	1.96 ⁶	2.80 ⁶	4.55 ⁶	6.11 ⁶	9.05 ⁶	11.21 ⁶
	24	1.42 ⁶	2.12 ⁶	3.49 ⁶	4.78 ⁶	6.34 ⁶	1.82 ⁶	2.66 ⁶	4.42 ⁶	5.97 ⁶	8.92 ⁶	11.21 ⁶
9	12	1.52 ⁶	2.20 ⁶	3.49 ⁶	4.79 ⁶	6.43 ⁶	1.91 ⁶	2.72 ⁶	4.37 ⁶	5.85 ⁶	8.60 ⁶	10.61 ⁶
	16	1.44 ⁶	2.12 ⁶	3.42 ⁶	4.70 ⁶	6.37 ⁶	1.82 ⁶	2.63 ⁶	4.28 ⁶	5.76 ⁶	8.52 ⁶	10.52 ⁶
	24	1.28 ⁶	1.95 ⁶	3.27 ⁶	4.54 ⁶	6.23 ⁶	1.65 ⁶	2.46 ⁶	4.11 ⁶	5.59 ⁶	8.35 ⁶	10.52 ⁶
10	12	1.41 ⁶	2.07 ⁶	3.28 ⁶	4.49 ⁶	6.36 ⁶	1.77 ⁶	2.56 ⁶	4.08 ⁶	5.47 ⁶	8.00 ⁶	9.84 ⁶
	16	1.31 ⁶	1.97 ⁶	3.19 ⁶	4.38 ⁶	6.27 ⁶	1.67 ⁶	2.45 ⁶	3.97 ⁶	5.36 ⁶	7.90 ⁶	9.73 ⁶
	24	1.12 ⁶	1.77 ⁶	3.00 ⁶	4.18 ⁶	6.09 ⁶	1.46 ⁶	2.23 ⁶	3.77 ⁶	5.14 ⁶	7.69 ⁶	9.73 ⁶
12	12	1.16 ⁶	1.76 ⁶	2.77 ⁶	3.75 ⁶	5.64 ⁶	1.46 ⁶	2.17 ⁶	3.41 ⁶	4.54 ⁶	6.65 ⁶	8.13 ⁶
	16	1.03 ⁶	1.62 ⁶	2.64 ⁶	3.61 ⁶	5.51 ⁶	1.32 ⁶	2.02 ⁶	3.27 ⁶	4.39 ⁶	6.51 ⁶	7.98 ⁶
	24	0.80 ⁴	1.36 ⁵	2.40 ⁶	3.35 ⁶	5.25 ⁶	1.06 ⁵	1.74 ⁶	3.01 ⁶	4.12 ⁶	6.24 ⁶	7.98 ⁶
14	12	0.90 ⁵	1.41 ⁶	2.22 ⁶	2.96 ⁶	4.44 ⁶	1.14 ⁶	1.75 ⁶	2.71 ⁶	3.57 ⁶	5.25 ⁶	6.39 ⁶
	16	0.75 ⁴	1.25 ⁵	2.08 ⁶	2.80 ⁶	4.29 ⁶	0.98 ⁴	1.58 ⁶	2.55 ⁶	3.41 ⁶	5.09 ⁶	6.22 ⁶
	24	0.49 ²	0.96 ³	1.81 ⁴	2.52 ⁵	4.01 ⁶	0.70 ³	1.26 ⁴	2.27 ⁵	3.10 ⁶	4.80 ⁶	6.22 ⁶
16	12	0.65 ³	1.08 ⁴	1.74 ⁶	2.30 ⁶	3.47 ⁶	0.84 ⁴	1.35 ⁵	2.12 ⁶	2.78 ⁶	4.12 ⁶	5.00 ⁶
	16	0.50 ²	0.91 ³	1.59 ⁴	2.14 ⁵	3.31 ⁶	0.68 ³	1.17 ⁴	1.96 ⁵	2.61 ⁶	3.96 ⁶	4.83 ⁶
	24	0.23 ¹	0.61 ²	1.32 ³	1.86 ³	3.03 ⁶	0.39 ²	0.85 ²	1.67 ³	2.31 ⁴	3.66 ⁵	4.83 ⁶

Wall	Spacing	400S200-mils (Fy)					400S250-mils (Fy)					
		Ht. (ft)	(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)
8	12	2.42 ⁶	3.55 ⁶	5.77 ⁶	7.63 ⁶	11.06 ⁶	13.48 ⁶	3.96 ⁶	6.27 ⁶	8.67 ⁶	12.78 ⁶	15.51 ⁶
	16	2.34 ⁶	3.48 ⁶	5.70 ⁶	7.56 ⁶	10.99 ⁶	13.41 ⁶	3.88 ⁶	6.19 ⁶	8.59 ⁶	12.71 ⁶	15.44 ⁶
	24	2.19 ⁶	3.32 ⁶	5.54 ⁶	7.41 ⁶	10.85 ⁶	13.27 ⁶	3.72 ⁶	6.04 ⁶	8.43 ⁶	12.57 ⁶	15.29 ⁶
9	12	2.28 ⁶	3.37 ⁶	5.43 ⁶	7.19 ⁶	10.39 ⁶	12.65 ⁶	3.79 ⁶	6.03 ⁶	8.28 ⁶	12.02 ⁶	14.58 ⁶
	16	2.19 ⁶	3.27 ⁶	5.33 ⁶	7.10 ⁶	10.30 ⁶	12.56 ⁶	3.69 ⁶	5.93 ⁶	8.17 ⁶	11.93 ⁶	14.48 ⁶
	24	2.00 ⁶	3.08 ⁶	5.14 ⁶	6.91 ⁶	10.13 ⁶	12.38 ⁶	3.48 ⁶	5.73 ⁶	7.96 ⁶	11.74 ⁶	14.30 ⁶
10	12	2.13 ⁶	3.16 ⁶	5.04 ⁶	6.70 ⁶	9.65 ⁶	11.73 ⁶	3.60 ⁶	5.70 ⁶	7.78 ⁶	11.18 ⁶	13.55 ⁶
	16	2.01 ⁶	3.04 ⁶	4.92 ⁶	6.58 ⁶	9.54 ⁶	11.62 ⁶	3.47 ⁶	5.57 ⁶	7.64 ⁶	11.07 ⁶	13.44 ⁶
	24	1.79 ⁶	2.81 ⁶	4.69 ⁶	6.34 ⁶	9.33 ⁶	11.40 ⁶	3.22 ⁶	5.33 ⁶	7.38 ⁶	10.84 ⁶	13.21 ⁶
12	12	1.79 ⁶	2.69 ⁶	4.19 ⁶	5.57 ⁶	8.03 ⁶	9.74 ⁶	3.14 ⁶	4.92 ⁶	6.50 ⁶	9.36 ⁶	11.34 ⁶
	16	1.63 ⁶	2.53 ⁶	4.03 ⁶	5.41 ⁶	7.88 ⁶	9.58 ⁶	2.96 ⁶	4.74 ⁶	6.32 ⁶	9.20 ⁶	11.19 ⁶
	24	1.35 ⁶	2.22 ⁶	3.74 ⁶	5.11 ⁶	7.59 ⁶	9.29 ⁶	2.62 ⁶	4.41 ⁶	5.97 ⁶	8.90 ⁶	10.88 ⁶
14	12	1.43 ⁶	2.19 ⁶	3.32 ⁶	4.39 ⁶	6.37 ⁶	7.72 ⁶	2.58 ⁶	3.92 ⁶	5.15 ⁶	7.51 ⁶	9.10 ⁶
	16	1.25 ⁵	2.00 ⁶	3.14 ⁶	4.21 ⁶	6.20 ⁶	7.54 ⁶	2.37 ⁶	3.71 ⁶	4.95 ⁶	7.32 ⁶	8.91 ⁶
	24	0.92 ³	1.65 ⁵	2.82 ⁶	3.88 ⁶	5.89 ⁶	7.21 ⁶	1.98 ⁶	3.35 ⁶	4.57 ⁶	6.98 ⁶	8.56 ⁶
16	12	1.07 ⁵	1.71 ⁶	2.60 ⁶	3.42 ⁶	5.03 ⁶	6.08 ⁶	2.04 ⁶	3.07 ⁶	4.04 ⁶	5.96 ⁶	7.23 ⁶
	16	0.89 ³	1.51 ⁵	2.41 ⁶	3.24 ⁶	4.85 ⁶	5.90 ⁶	1.81 ⁵	2.86 ⁶	3.82 ⁶	5.76 ⁶	7.03 ⁶
	24	0.56 ²	1.16 ³	2.09 ⁴	2.91 ⁵	4.52 ⁶	5.56 ⁶	1.41 ³	2.49 ⁴	3.44 ⁵	5.41 ⁶	6.67 ⁶

Wall	Spacing	400S300-mils (Fy)				400S350-mils (Fy)			
		Ht. (ft)	(in) o.c.	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)
8	12	6.40 ⁶	9.03 ⁶	13.84 ⁶	17.49 ⁶	8.44 ⁶	12.12 ⁶	18.28 ⁶	22.07 ⁶
	16	6.32 ⁶	8.95 ⁶	13.76 ⁶	17.41 ⁶	8.36 ⁶	12.03 ⁶	18.19 ⁶	21.99 ⁶
	24	6.18 ⁶	8.79 ⁶	13.61 ⁶	17.27 ⁶	8.19 ⁶	11.85 ⁶	18.00 ⁶	21.83 ⁶
9	12	6.11 ⁶	8.67 ⁶	13.13 ⁶	16.46 ⁶	8.03 ⁶	11.56 ⁶	17.14 ⁶	20.71 ⁶
	16	6.01 ⁶	8.56 ⁶	13.03 ⁶	16.36 ⁶	7.93 ⁶	11.45 ⁶	17.02 ⁶	20.60 ⁶
	24	5.83 ⁶	8.36 ⁶	12.83 ⁶	16.18 ⁶	7.72 ⁶	11.21 ⁶	16.78 ⁶	20.39 ⁶
10	12	5.78 ⁶	8.26 ⁶	12.39 ⁶	15.33 ⁶	7.59 ⁶	10.90 ⁶	15.91 ⁶	19.24 ⁶
	16	5.66 ⁶	8.13 ⁶	12.26 ⁶	15.22 ⁶	7.45 ⁶	10.75 ⁶	15.76 ⁶	19.11 ⁶
	24	5.43 ⁶	7.87 ⁶	12.01 ⁶	14.99 ⁶	7.20 ⁶	10.46 ⁶	15.47 ⁶	18.85 ⁶
12	12	5.03 ⁶	7.08 ⁶	10.61 ⁶	12.92 ⁶	6.58 ⁶	9.36 ⁶	13.32 ⁶	16.15 ⁶
	16	4.87 ⁶	6.89 ⁶	10.43 ⁶	12.76 ⁶	6.40 ⁶	9.14 ⁶	13.11 ⁶	15.97 ⁶
	24	4.55 ⁶	6.54 ⁶	10.08 ⁶	12.45 ⁶	6.04 ⁶	8.74 ⁶	12.71 ⁶	15.61 ⁶
14	12	4.29 ⁶	5.83 ⁶	8.56 ⁶	10.46 ⁶	5.46 ⁶	7.50 ⁶	10.72 ⁶	13.04 ⁶
	16	4.08 ⁶	5.61 ⁶	8.35 ⁶	10.27 ⁶	5.23 ⁶	7.25 ⁶	10.47 ⁶	12.82 ⁶
	24	3.70 ⁶	5.20 ⁶	7.95 ⁶	9.90 ⁶	4.82 ⁶	6.80 ⁶	10.01 ⁶	12.40 ⁶
16	12	3.50 ⁶	4.65 ⁶	6.82 ⁶	8.37 ⁶	4.41 ⁶	5.87 ⁶	8.47 ⁶	10.37 ⁶
	16	3.27 ⁶	4.41 ⁶	6.59 ⁶	8.17 ⁶	4.16 ⁶	5.62 ⁶	8.22 ⁶	10.13 ⁶
	24	2.86 ⁵	3.99 ⁶	6.18 ⁶	7.78 ⁶	3.73 ⁶	5.17 ⁶	7.75 ⁶	9.70 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports

Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 5psf Lateral Load



Wall	Spacing (in) o.c.	550S162-mils (Fy)					550S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	2.39 ⁶	3.38 ⁶	5.63 ⁶	7.45 ⁶	11.32 ⁶	2.80 ⁶	4.19 ⁶	7.20 ⁶	9.62 ⁶	15.02 ⁶
	16	2.34 ⁶	3.33 ⁶	5.58 ⁶	7.41 ⁶	11.28 ⁶	2.74 ⁶	4.14 ⁶	7.14 ⁶	9.56 ⁶	14.97 ⁶
	24	2.24 ⁶	3.23 ⁶	5.49 ⁶	7.32 ⁶	11.19 ⁶	2.64 ⁶	4.03 ⁶	7.03 ⁶	9.46 ⁶	14.87 ⁶
9	12	2.32 ⁶	3.31 ⁶	5.55 ⁶	7.41 ⁶	11.27 ⁶	2.72 ⁶	4.09 ⁶	7.02 ⁶	9.39 ⁶	14.69 ⁶
	16	2.26 ⁶	3.24 ⁶	5.49 ⁶	7.35 ⁶	11.22 ⁶	2.66 ⁶	4.02 ⁶	6.94 ⁶	9.32 ⁶	14.62 ⁶
	24	2.13 ⁶	3.12 ⁶	5.38 ⁶	7.24 ⁶	11.10 ⁶	2.52 ⁶	3.88 ⁶	6.80 ⁶	9.19 ⁶	14.48 ⁶
10	12	2.25 ⁶	3.22 ⁶	5.41 ⁶	7.35 ⁶	11.22 ⁶	2.64 ⁶	3.97 ⁶	6.80 ⁶	9.12 ⁶	14.28 ⁶
	16	2.16 ⁶	3.14 ⁶	5.34 ⁶	7.27 ⁶	11.14 ⁶	2.55 ⁶	3.88 ⁶	6.71 ⁶	9.03 ⁶	14.19 ⁶
	24	2.00 ⁶	2.99 ⁶	5.19 ⁶	7.12 ⁶	10.99 ⁶	2.39 ⁶	3.71 ⁶	6.53 ⁶	8.86 ⁶	14.02 ⁶
12	12	2.05 ⁶	3.00 ⁶	5.04 ⁶	6.87 ⁶	11.04 ⁶	2.43 ⁶	3.68 ⁶	6.24 ⁶	8.42 ⁶	13.23 ⁶
	16	1.93 ⁶	2.89 ⁶	4.93 ⁶	6.76 ⁶	10.91 ⁶	2.31 ⁶	3.55 ⁶	6.11 ⁶	8.30 ⁶	13.10 ⁶
	24	1.71 ⁶	2.68 ⁶	4.71 ⁶	6.54 ⁶	10.66 ⁶	2.07 ⁶	3.30 ⁶	5.85 ⁶	8.05 ⁶	12.83 ⁶
14	12	1.81 ⁶	2.72 ⁶	4.54 ⁶	6.23 ⁶	10.00 ⁶	2.16 ⁶	3.31 ⁶	5.56 ⁶	7.56 ⁶	11.91 ⁶
	16	1.66 ⁶	2.57 ⁶	4.39 ⁶	6.07 ⁶	9.83 ⁶	2.01 ⁶	3.14 ⁶	5.38 ⁶	7.39 ⁶	11.72 ⁶
	24	1.37 ⁶	2.29 ⁶	4.11 ⁶	5.78 ⁶	9.49 ⁶	1.71 ⁶	2.81 ⁶	5.05 ⁶	7.06 ⁶	11.37 ⁶
16	12	1.53 ⁶	2.39 ⁶	3.95 ⁶	5.45 ⁶	8.76 ⁶	1.87 ⁶	2.90 ⁶	4.80 ⁶	6.59 ⁶	10.42 ⁶
	16	1.35 ⁶	2.20 ⁶	3.77 ⁶	5.26 ⁶	8.54 ⁶	1.68 ⁶	2.69 ⁶	4.59 ⁶	6.38 ⁶	10.19 ⁶
	24	1.02 ⁴	1.87 ⁶	3.43 ⁶	4.90 ⁶	8.12 ⁶	1.33 ⁵	2.30 ⁶	4.20 ⁶	5.98 ⁶	9.74 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 5psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	600S137-mils (Fy)					600S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.77 ⁶	2.51 ⁶	3.81 ⁶	5.05 ⁶	7.54 ⁶	2.42 ⁶	3.40 ⁶	5.61 ⁶	7.45 ⁶	11.39 ⁶	14.23 ⁶
	16	1.73 ⁶	2.47 ⁶	3.78 ⁶	5.02 ⁶	7.52 ⁶	2.37 ⁶	3.35 ⁶	5.57 ⁶	7.41 ⁶	11.35 ⁶	14.19 ⁶
	24	1.65 ⁶	2.39 ⁶	3.72 ⁶	4.96 ⁶	7.46 ⁶	2.28 ⁶	3.27 ⁶	5.49 ⁶	7.33 ⁶	11.28 ⁶	14.11 ⁶
9	12	1.74 ⁶	2.47 ⁶	3.78 ⁶	5.02 ⁶	7.52 ⁶	2.38 ⁶	3.36 ⁶	5.57 ⁶	7.41 ⁶	11.35 ⁶	14.19 ⁶
	16	1.69 ⁶	2.43 ⁶	3.74 ⁶	4.98 ⁶	7.48 ⁶	2.32 ⁶	3.30 ⁶	5.52 ⁶	7.36 ⁶	11.31 ⁶	14.14 ⁶
	24	1.59 ⁶	2.33 ⁶	3.66 ⁶	4.90 ⁶	7.41 ⁶	2.20 ⁶	3.19 ⁶	5.42 ⁶	7.26 ⁶	11.21 ⁶	14.03 ⁶
10	12	1.70 ⁶	2.44 ⁶	3.75 ⁶	4.99 ⁶	7.49 ⁶	2.33 ⁶	3.31 ⁶	5.53 ⁶	7.37 ⁶	11.31 ⁶	14.14 ⁶
	16	1.63 ⁶	2.37 ⁶	3.70 ⁶	4.94 ⁶	7.44 ⁶	2.25 ⁶	3.24 ⁶	5.46 ⁶	7.30 ⁶	11.25 ⁶	14.07 ⁶
	24	1.51 ⁶	2.25 ⁶	3.59 ⁶	4.83 ⁶	7.36 ⁶	2.10 ⁶	3.11 ⁶	5.33 ⁶	7.17 ⁶	11.12 ⁶	14.39 ⁶
12	12	1.60 ⁶	2.34 ⁶	3.66 ⁶	4.90 ⁶	7.41 ⁶	2.17 ⁶	3.15 ⁶	5.35 ⁶	7.25 ⁶	11.19 ⁶	14.01 ⁶
	16	1.51 ⁶	2.25 ⁶	3.59 ⁶	4.82 ⁶	7.34 ⁶	2.06 ⁶	3.05 ⁶	5.25 ⁶	7.15 ⁶	11.09 ⁶	13.90 ⁶
	24	1.33 ⁶	2.07 ⁶	3.43 ⁶	4.67 ⁶	7.21 ⁶	1.85 ⁶	2.85 ⁶	5.05 ⁶	6.95 ⁶	10.89 ⁶	13.69 ⁶
14	12	1.48 ⁶	2.22 ⁶	3.55 ⁶	4.79 ⁶	7.31 ⁶	1.95 ⁶	2.91 ⁶	4.93 ⁶	6.77 ⁶	10.96 ⁶	13.81 ⁶
	16	1.36 ⁶	2.09 ⁶	3.44 ⁶	4.67 ⁶	7.20 ⁶	1.81 ⁶	2.78 ⁶	4.80 ⁶	6.63 ⁶	10.80 ⁶	13.64 ⁶
	24	1.11 ⁶	1.85 ⁶	3.21 ⁶	4.45 ⁶	7.00 ⁶	1.54 ⁶	2.51 ⁶	4.53 ⁶	6.35 ⁶	10.49 ⁶	13.30 ⁶
16	12	1.34 ⁶	2.07 ⁶	3.40 ⁶	4.63 ⁶	7.15 ⁶	1.71 ⁶	2.62 ⁶	4.41 ⁶	6.10 ⁶	9.89 ⁶	10.05 ⁶
	16	1.18 ⁶	1.90 ⁶	3.24 ⁶	4.46 ⁶	7.00 ⁶	1.53 ⁶	2.45 ⁶	4.24 ⁶	5.91 ⁶	9.68 ⁶	9.95 ⁶
	24	0.87 ⁴	1.59 ⁶	2.95 ⁶	4.16 ⁶	6.71 ⁶	1.20 ⁵	2.12 ⁶	3.91 ⁶	5.57 ⁶	9.28 ⁶	9.76 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	600S200-mils (Fy)					600S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.86 ⁶	4.31 ⁶	7.46 ⁶	9.97 ⁶	15.65 ⁶	20.05 ⁶	4.65 ⁶	7.64 ⁶	11.05 ⁶	18.28 ⁶	23.36 ⁶
	16	2.81 ⁶	4.26 ⁶	7.41 ⁶	9.93 ⁶	15.60 ⁶	19.20 ⁶	4.60 ⁶	7.59 ⁶	11.00 ⁶	18.22 ⁶	23.30 ⁶
	24	2.72 ⁶	4.16 ⁶	7.31 ⁶	9.83 ⁶	15.51 ⁶	19.90 ⁶	4.50 ⁶	7.50 ⁶	10.90 ⁶	18.12 ⁶	23.20 ⁶
9	12	2.80 ⁶	4.23 ⁶	7.31 ⁶	9.79 ⁶	15.39 ⁶	19.83 ⁶	4.57 ⁶	7.51 ⁶	10.85 ⁶	17.92 ⁶	22.90 ⁶
	16	2.74 ⁶	4.16 ⁶	7.25 ⁶	9.73 ⁶	15.33 ⁶	19.76 ⁶	4.50 ⁶	7.44 ⁶	10.78 ⁶	17.85 ⁶	22.83 ⁶
	24	2.62 ⁶	4.03 ⁶	7.12 ⁶	9.61 ⁶	15.20 ⁶	19.63 ⁶	4.37 ⁶	7.32 ⁶	10.64 ⁶	17.72 ⁶	22.69 ⁶
10	12	2.73 ⁶	4.13 ⁶	7.14 ⁶	9.58 ⁶	15.07 ⁶	19.41 ⁶	4.47 ⁶	7.35 ⁶	10.60 ⁶	17.49 ⁶	22.36 ⁶
	16	2.65 ⁶	4.05 ⁶	7.05 ⁶	9.50 ⁶	14.99 ⁶	19.32 ⁶	4.39 ⁶	7.27 ⁶	10.52 ⁶	17.40 ⁶	22.27 ⁶
	24	2.50 ⁶	3.88 ⁶	6.89 ⁶	9.35 ⁶	14.83 ⁶	19.15 ⁶	4.23 ⁶	7.11 ⁶	10.35 ⁶	17.23 ⁶	22.09 ⁶
12	12	2.55 ⁶	3.88 ⁶	6.67 ⁶	9.00 ⁶	14.21 ⁶	18.29 ⁶	4.24 ⁶	6.94 ⁶	10.00 ⁶	16.41 ⁶	20.98 ⁶
	16	2.44 ⁶	3.76 ⁶	6.55 ⁶	8.89 ⁶	14.09 ⁶	18.16 ⁶	4.11 ⁶	6.82 ⁶	9.87 ⁶	16.28 ⁶	20.84 ⁶
	24	2.22 ⁶	3.53 ⁶	6.31 ⁶	8.66 ⁶	13.85 ⁶	17.90 ⁶	3.88 ⁶	6.59 ⁶	9.62 ⁶	16.02 ⁶	20.57 ⁶
14	12	2.32 ⁶	3.56 ⁶	6.07 ⁶	8.26 ⁶	13.08 ⁶	16.81 ⁶	3.94 ⁶	6.46 ⁶	9.26 ⁶	15.07 ⁶	19.26 ⁶
	16	2.17 ⁶	3.40 ⁶	5.91 ⁶	8.10 ⁶	12.91 ⁶	16.62 ⁶	3.77 ⁶	6.29 ⁶	9.08 ⁶	14.88 ⁶	19.07 ⁶
	24	1.89 ⁶	3.09 ⁶	5.59 ⁶	7.79 ⁶	12.58 ⁶	16.25 ⁶	3.45 ⁶	5.98 ⁶	8.73 ⁶	14.52 ⁶	18.69 ⁶
16	12	2.05 ⁶	3.18 ⁶	5.38 ⁶	7.38 ⁶	11.74 ⁶	15.06 ⁶	3.59 ⁶	5.96 ⁶	8.44 ⁶	13.53 ⁶	17.30 ⁶
	16	1.87 ⁶	2.98 ⁶	5.18 ⁶	7.17 ⁶	11.52 ⁶	14.81 ⁶	3.38 ⁶	5.75 ⁶	8.21 ⁶	13.29 ⁶	17.04 ⁶
	24	1.52 ⁶	2.61 ⁶	4.79 ⁶	6.79 ⁶	11.09 ⁶	14.33 ⁶	2.98 ⁶	5.34 ⁶	7.76 ⁶	12.82 ⁶	16.54 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	600S300-mils (Fy)				600S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	7.40 ⁶	11.19 ⁶	19.51 ⁶	25.34 ⁶	10.24 ⁶	14.72 ⁶	24.02 ⁶	31.79 ⁶
	16	7.89 ⁶	11.11 ⁶	19.45 ⁶	25.29 ⁶	10.18 ⁶	14.72 ⁶	23.96 ⁶	31.73 ⁶
	24	7.79 ⁶	11.04 ⁶	19.34 ⁶	25.18 ⁶	10.08 ⁶	14.61 ⁶	23.84 ⁶	31.62 ⁶
9	12	7.80 ⁶	11.00 ⁶	19.12 ⁶	24.86 ⁶	10.04 ⁶	14.51 ⁶	23.57 ⁶	31.04 ⁶
	16	7.73 ⁶	10.93 ⁶	19.04 ⁶	24.79 ⁶	9.97 ⁶	14.44 ⁶	23.49 ⁶	30.96 ⁶
	24	7.61 ⁶	10.80 ⁶	18.89 ⁶	24.65 ⁶	9.84 ⁶	14.29 ⁶	23.34 ⁶	30.82 ⁶
10	12	7.63 ⁶	10.77 ⁶	18.66 ⁶	24.31 ⁶	9.81 ⁶	14.20 ⁶	23.07 ⁶	30.19 ⁶
	16	7.55 ⁶	10.69 ⁶	18.56 ⁶	24.22 ⁶	9.72 ⁶	14.11 ⁶	22.97 ⁶	30.09 ⁶
	24	7.39 ⁶	10.52 ⁶	18.38 ⁶	24.04 ⁶	9.56 ⁶	13.93 ⁶	22.77 ⁶	29.90 ⁶
12	12	7.22 ⁶	10.24 ⁶	17.55 ⁶	22.99 ⁶	9.26 ⁶	13.46 ⁶	21.91 ⁶	28.18 ⁶
	16	7.10 ⁶	10.12 ⁶	17.41 ⁶	22.85 ⁶	9.14 ⁶	13.32 ⁶	21.76 ⁶	28.04 ⁶
	24	6.88 ⁶	9.88 ⁶	17.13 ⁶	22.58 ⁶	8.89 ⁶	13.05 ⁶	21.46 ⁶	27.75 ⁶
14	12	6.71 ⁶	9.62 ⁶	16.23 ⁶	21.48 ⁶	8.60 ⁶	12.56 ⁶	20.42 ⁶	25.85 ⁶
	16	6.56 ⁶	9.45 ⁶	16.02 ⁶	21.28 ⁶	8.43 ⁶	12.36 ⁶	20.20 ⁶	25.64 ⁶
	24	6.25 ⁶	9.11 ⁶	15.63 ⁶	20.88 ⁶	8.10 ⁶	11.99 ⁶	19.77 ⁶	25.23 ⁶
16	12	6.13 ⁶	8.89 ⁶	14.77 ⁶	19.47 ⁶	7.86 ⁶	11.52 ⁶	18.35 ⁶	23.27 ⁶
	16	5.93 ⁶	8.66 ⁶	14.50 ⁶	19.20 ⁶	7.64 ⁶	11.27 ⁶	18.06 ⁶	22.99 ⁶
	24	5.54 ⁶	8.22 ⁶	13.99 ⁶	18.67 ⁶	7.22 ⁶	10.77 ⁶	17.50 ⁶	22.45 ⁶

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Wall	Spacing (in) o.c.	800S137-mils (Fy)					800S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.71* ⁶	2.43 ⁶	3.57 ⁶	4.74 ⁶	7.21 ⁶	2.39* ⁶	3.35 ⁶	5.43 ⁶	7.25 ⁶	11.25 ⁶	14.30 ⁶
	16	1.68* ⁶	2.40 ⁶	3.55 ⁶	4.72 ⁶	7.19 ⁶	2.36* ⁶	3.32 ⁶	5.40 ⁶	7.22 ⁶	11.23 ⁶	14.28 ⁶
	24	1.63* ⁶	2.35 ⁶	3.50 ⁶	4.68 ⁶	7.16 ⁶	2.29* ⁶	3.26 ⁶	5.35 ⁶	7.16 ⁶	11.17 ⁶	14.23 ⁶
9	12	1.69* ⁶	2.40 ⁶	3.55 ⁶	4.73 ⁶	7.20 ⁶	2.37* ⁶	3.33 ⁶	5.41 ⁶	7.22 ⁶	11.23 ⁶	14.28 ⁶
	16	1.65* ⁶	2.37 ⁶	3.52 ⁶	4.70 ⁶	7.17 ⁶	2.39* ⁶	3.29 ⁶	5.37 ⁶	7.19 ⁶	11.20 ⁶	14.25 ⁶
	24	1.58* ⁶	2.30 ⁶	3.47 ⁶	4.65 ⁶	7.12 ⁶	2.24* ⁶	3.21 ⁶	5.30 ⁶	7.12 ⁶	11.13 ⁶	14.19 ⁶
10	12	1.66* ⁶	2.38 ⁶	3.53 ⁶	4.71 ⁶	7.18 ⁶	2.33* ⁶	3.30 ⁶	5.38 ⁶	7.19 ⁶	11.20 ⁶	14.26 ⁶
	16	1.62* ⁶	2.34 ⁶	3.49 ⁶	4.67 ⁶	7.15 ⁶	2.28* ⁶	3.25 ⁶	5.33 ⁶	7.15 ⁶	11.16 ⁶	14.22 ⁶
	24	1.53* ⁶	2.26 ⁶	3.43 ⁶	4.61 ⁶	7.09 ⁶	2.18* ⁶	3.15 ⁶	5.24 ⁶	7.06 ⁶	11.07 ⁶	14.14 ⁶
12	12	1.60* ⁶	2.32 ⁶	3.48 ⁶	4.66 ⁶	7.13 ⁶	2.26* ⁶	3.22 ⁶	5.31 ⁶	7.13 ⁶	11.14 ⁶	14.20 ⁶
	16	1.54* ⁶	2.26 ⁶	3.43 ⁶	4.61 ⁶	7.09 ⁶	2.18* ⁶	3.15 ⁶	5.24 ⁶	7.06 ⁶	11.07 ⁶	14.14 ⁶
	24	1.41* ⁶	2.14 ⁶	3.33 ⁶	4.51 ⁶	7.00 ⁶	2.03* ⁶	3.00 ⁶	5.11 ⁶	6.93 ⁶	10.94 ⁶	14.03 ⁶
14	12	1.53* ⁶	2.25 ⁶	3.42 ⁶	4.60 ⁶	7.08 ⁶	2.17* ⁶	3.13 ⁶	5.22 ⁶	7.04 ⁶	11.05 ⁶	14.12 ⁶
	16	1.44* ⁶	2.16 ⁶	3.35 ⁶	4.53 ⁶	7.01 ⁶	2.06* ⁶	3.03 ⁶	5.13 ⁶	6.94 ⁶	10.95 ⁶	14.03 ⁶
	24	1.27* ⁶	2.00 ⁶	3.21 ⁶	4.40 ⁶	6.88 ⁶	1.85* ⁶	2.83 ⁶	4.94 ⁶	6.76 ⁶	10.76 ⁶	13.87 ⁶
16	12	1.44* ⁶	2.16 ⁶	3.34 ⁶	4.52 ⁶	7.00 ⁶	2.06* ⁶	3.02 ⁶	5.11 ⁶	6.93 ⁶	10.93 ⁶	14.01 ⁶
	16	1.32* ⁶	2.05 ⁶	3.25 ⁶	4.43 ⁶	6.91 ⁶	1.92* ⁶	2.89 ⁶	4.98 ⁶	6.80 ⁶	10.80 ⁶	13.89 ⁶
	24	1.10* ⁶	1.83 ⁶	3.06 ⁶	4.25 ⁶	6.74 ⁶	1.64* ⁶	2.62 ⁶	4.72 ⁶	6.54 ⁶	10.53 ⁶	13.66 ⁶

Wall	Spacing (in) o.c.	800S200-mils (Fy)					800S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.90* ⁶	4.47 ⁶	7.74 ⁶	10.29 ⁶	15.98 ⁶	20.46 ⁶	4.89 ⁶	8.17 ⁶	11.80 ⁶	19.77 ⁶	25.86 ⁶
	16	2.93* ⁶	4.44 ⁶	7.71 ⁶	10.25 ⁶	15.95 ⁶	20.43 ⁶	4.86 ⁶	8.14 ⁶	11.76 ⁶	19.73 ⁶	25.82 ⁶
	24	2.86* ⁶	4.36 ⁶	7.64 ⁶	10.19 ⁶	15.88 ⁶	20.37 ⁶	4.78 ⁶	8.06 ⁶	11.69 ⁶	19.66 ⁶	25.75 ⁶
9	12	2.94* ⁶	4.44 ⁶	7.71 ⁶	10.26 ⁶	15.95 ⁶	20.43 ⁶	4.85 ⁶	8.10 ⁶	11.72 ⁶	19.65 ⁶	25.74 ⁶
	16	2.89* ⁶	4.39 ⁶	7.67 ⁶	10.21 ⁶	15.91 ⁶	20.39 ⁶	4.80 ⁶	8.06 ⁶	11.68 ⁶	19.60 ⁶	25.69 ⁶
	24	2.80* ⁶	4.30 ⁶	7.57 ⁶	10.13 ⁶	15.83 ⁶	20.31 ⁶	4.70 ⁶	7.97 ⁶	11.58 ⁶	19.51 ⁶	25.60 ⁶
10	12	2.90* ⁶	4.41 ⁶	7.68 ⁶	10.22 ⁶	15.92 ⁶	20.40 ⁶	4.79 ⁶	8.02 ⁶	11.63 ⁶	19.51 ⁶	25.50 ⁶
	16	2.85* ⁶	4.35 ⁶	7.62 ⁶	10.17 ⁶	15.87 ⁶	20.35 ⁶	4.73 ⁶	7.97 ⁶	11.57 ⁶	19.45 ⁶	25.44 ⁶
	24	2.73* ⁶	4.23 ⁶	7.50 ⁶	10.06 ⁶	15.76 ⁶	20.25 ⁶	4.61 ⁶	7.85 ⁶	11.45 ⁶	19.33 ⁶	25.32 ⁶
12	12	2.82* ⁶	4.32 ⁶	7.59 ⁶	10.01 ⁶	15.84 ⁶	20.32 ⁶	4.66 ⁶	7.81 ⁶	11.39 ⁶	19.12 ⁶	24.84 ⁶
	16	2.74* ⁶	4.23 ⁶	7.50 ⁶	10.06 ⁶	15.76 ⁶	20.24 ⁶	4.57 ⁶	7.73 ⁶	11.29 ⁶	19.03 ⁶	24.75 ⁶
	24	2.57* ⁶	4.06 ⁶	7.32 ⁶	9.90 ⁶	15.60 ⁶	20.08 ⁶	4.39 ⁶	7.56 ⁶	11.11 ⁶	18.84 ⁶	24.56 ⁶
14	12	2.69* ⁶	4.16 ⁶	7.36 ⁶	9.96 ⁶	15.72 ⁶	20.20 ⁶	4.48 ⁶	7.52 ⁶	10.99 ⁶	18.47 ⁶	23.89 ⁶
	16	2.58* ⁶	4.04 ⁶	7.24 ⁶	9.84 ⁶	15.61 ⁶	20.09 ⁶	4.36 ⁶	7.40 ⁶	10.86 ⁶	18.34 ⁶	23.76 ⁶
	24	2.35* ⁶	3.80 ⁶	6.99 ⁶	9.61 ⁶	15.38 ⁶	19.86 ⁶	4.12 ⁶	7.17 ⁶	10.60 ⁶	18.08 ⁶	23.49 ⁶
16	12	2.52* ⁶	3.93 ⁶	6.95 ⁶	9.45 ⁶	15.15 ⁶	19.78 ⁶	4.26 ⁶	7.15 ⁶	10.42 ⁶	17.49 ⁶	22.66 ⁶
	16	2.37* ⁶	3.77 ⁶	6.78 ⁶	9.30 ⁶	15.00 ⁶	19.62 ⁶	4.10 ⁶	6.99 ⁶	10.25 ⁶	17.32 ⁶	22.48 ⁶
	24	2.09* ⁶	3.46 ⁶	6.46 ⁶	9.00 ⁶	14.68 ⁶	19.29 ⁶	3.78 ⁶	6.69 ⁶	9.92 ⁶	16.97 ⁶	22.12 ⁶

Wall	Spacing (in) o.c.	800S300-mils (Fy)				800S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	8.51 ⁶	13.14 ⁶	22.67 ⁶	30.40 ⁶	10.95 ⁶	15.77 ⁶	25.94 ⁶	34.51 ⁶
	16	8.47 ⁶	13.14 ⁶	22.63 ⁶	30.36 ⁶	10.91 ⁶	15.73 ⁶	25.90 ⁶	34.47 ⁶
	24	8.40 ⁶	13.07 ⁶	22.55 ⁶	30.28 ⁶	10.94 ⁶	15.63 ⁶	25.82 ⁶	34.39 ⁶
9	12	8.44 ⁶	13.07 ⁶	22.48 ⁶	30.20 ⁶	10.84 ⁶	15.63 ⁶	25.77 ⁶	34.23 ⁶
	16	8.39 ⁶	13.02 ⁶	22.43 ⁶	30.15 ⁶	10.79 ⁶	15.58 ⁶	25.71 ⁶	34.18 ⁶
	24	8.30 ⁶	12.92 ⁶	22.32 ⁶	30.04 ⁶	10.70 ⁶	15.48 ⁶	25.60 ⁶	34.07 ⁶
10	12	8.34 ⁶	12.93 ⁶	22.25 ⁶	29.94 ⁶	10.71 ⁶	15.47 ⁶	25.60 ⁶	33.90 ⁶
	16	8.29 ⁶	12.87 ⁶	22.19 ⁶	29.87 ⁶	10.65 ⁶	15.40 ⁶	25.49 ⁶	33.83 ⁶
	24	8.17 ⁶	12.75 ⁶	22.05 ⁶	29.74 ⁶	10.53 ⁶	15.27 ⁶	25.35 ⁶	33.70 ⁶
12	12	8.11 ⁶	12.58 ⁶	21.65 ⁶	29.00 ⁶	10.38 ⁶	15.06 ⁶	24.82 ⁶	33.08 ⁶
	16	8.03 ⁶	12.49 ⁶	21.55 ⁶	28.90 ⁶	10.30 ⁶	14.96 ⁶	24.72 ⁶	32.98 ⁶
	24	7.86 ⁶	12.31 ⁶	21.35 ⁶	28.71 ⁶	10.12 ⁶	14.77 ⁶	24.52 ⁶	32.78 ⁶
14	12	7.80 ⁶	12.12 ⁶	20.88 ⁶	27.77 ⁶	9.98 ⁶	14.52 ⁶	23.92 ⁶	31.85 ⁶
	16	7.69 ⁶	11.99 ⁶	20.74 ⁶	27.63 ⁶	9.85 ⁶	14.39 ⁶	23.78 ⁶	31.71 ⁶
	24	7.45 ⁶	11.75 ⁶	20.46 ⁶	27.35 ⁶	9.61 ⁶	14.12 ⁶	23.49 ⁶	31.42 ⁶
16	12	7.43 ⁶	11.55 ⁶	19.97 ⁶	26.27 ⁶	9.49 ⁶	13.87 ⁶	22.88 ⁶	30.12 ⁶
	16	7.27 ⁶	11.39 ⁶	19.77 ⁶	26.08 ⁶	9.33 ⁶	13.69 ⁶	22.69 ⁶	29.92 ⁶
	24	6.97 ⁶	11.06 ⁶	19.39 ⁶	25.71 ⁶	9.01 ⁶	13.33 ⁶	22.29 ⁶	29.53 ⁶

Notes:
 • ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
 • ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 5psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	1000S162-mils (Fy)					1000S200-mils (Fy)				
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	3.28 ⁶	5.20 ⁶	6.95 ⁶	10.86 ⁶	13.76 ⁶	4.44 ⁶	7.60 ⁶	10.10 ⁶	15.78 ⁶	20.31 ⁶
	16	3.25 ⁶	5.18 ⁶	6.93 ⁶	10.84 ⁶	13.70 ⁶	4.41 ⁶	7.57 ⁶	10.07 ⁶	15.75 ⁶	20.28 ⁶
	24	3.20 ⁶	5.14 ⁶	6.89 ⁶	10.80 ⁶	13.58 ⁶	4.35 ⁶	7.52 ⁶	10.02 ⁶	15.70 ⁶	20.23 ⁶
9	12	3.26 ⁶	5.19 ⁶	6.93 ⁶	10.84 ⁶	13.71 ⁶	4.41 ⁶	7.58 ⁶	10.08 ⁶	15.75 ⁶	20.29 ⁶
	16	3.22 ⁶	5.16 ⁶	6.91 ⁶	10.82 ⁶	13.63 ⁶	4.38 ⁶	7.54 ⁶	10.05 ⁶	15.72 ⁶	20.26 ⁶
	24	3.16 ⁶	5.10 ⁶	6.86 ⁶	10.77 ⁶	13.49 ⁶	4.30 ⁶	7.47 ⁶	9.98 ⁶	15.66 ⁶	20.19 ⁶
10	12	3.23 ⁶	5.16 ⁶	6.92 ⁶	10.82 ⁶	13.65 ⁶	4.38 ⁶	7.55 ⁶	10.05 ⁶	15.73 ⁶	20.26 ⁶
	16	3.19 ⁶	5.13 ⁶	6.88 ⁶	10.79 ⁶	13.56 ⁶	4.3 ⁶	7.51 ⁶	10.01 ⁶	15.69 ⁶	20.22 ⁶
	24	3.12 ⁶	5.06 ⁶	6.82 ⁶	10.73 ⁶	13.38 ⁶	4.25 ⁶	7.42 ⁶	9.93 ⁶	15.61 ⁶	20.14 ⁶
12	12	3.18 ⁶	5.12 ⁶	6.87 ⁶	10.78 ⁶	13.52 ⁶	4.32 ⁶	7.49 ⁶	9.99 ⁶	15.67 ⁶	20.20 ⁶
	16	3.12 ⁶	5.07 ⁶	6.82 ⁶	10.73 ⁶	13.38 ⁶	4.26 ⁶	7.42 ⁶	9.93 ⁶	15.61 ⁶	20.14 ⁶
	24	3.01 ⁶	4.97 ⁶	6.72 ⁶	10.64 ⁶	13.11 ⁶	4.13 ⁶	7.29 ⁶	9.81 ⁶	15.49 ⁶	20.02 ⁶
14	12	3.11 ⁶	5.06 ⁶	6.81 ⁶	10.72 ⁶	13.35 ⁶	4.25 ⁶	7.41 ⁶	9.92 ⁶	15.59 ⁶	20.13 ⁶
	16	3.04 ⁶	4.99 ⁶	6.74 ⁶	10.66 ⁶	13.16 ⁶	4.15 ⁶	7.32 ⁶	9.83 ⁶	15.51 ⁶	20.04 ⁶
	24	2.88 ⁶	4.85 ⁶	6.61 ⁶	10.53 ⁶	12.78 ⁶	3.97 ⁶	7.14 ⁶	9.65 ⁶	15.33 ⁶	19.87 ⁶
16	12	3.04 ⁶	4.98 ⁶	6.74 ⁶	10.65 ⁶	13.15 ⁶	4.15 ⁶	7.31 ⁶	9.82 ⁶	15.50 ⁶	20.03 ⁶
	16	2.93 ⁶	4.89 ⁶	6.65 ⁶	10.57 ⁶	12.89 ⁶	4.03 ⁶	7.19 ⁶	9.70 ⁶	15.38 ⁶	19.91 ⁶
	24	2.73 ⁶	4.71 ⁶	6.47 ⁶	10.39 ⁶	12.38 ⁶	3.79 ⁶	6.95 ⁶	9.46 ⁶	15.14 ⁶	19.67 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S250-mils (Fy)					1000S300-mils (Fy)			
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	4.96 ⁶	8.27 ⁶	11.91 ⁶	19.91 ⁶	25.94 ⁶	10.04 ⁶	13.59 ⁶	23.53 ⁶	31.49 ⁶
	16	4.93 ⁶	8.24 ⁶	11.88 ⁶	19.88 ⁶	25.91 ⁶	10.01 ⁶	13.56 ⁶	23.50 ⁶	31.46 ⁶
	24	4.87 ⁶	8.18 ⁶	11.82 ⁶	19.82 ⁶	25.85 ⁶	9.95 ⁶	13.50 ⁶	23.44 ⁶	31.40 ⁶
9	12	4.93 ⁶	8.24 ⁶	11.89 ⁶	19.88 ⁶	25.91 ⁶	9.99 ⁶	13.53 ⁶	23.43 ⁶	31.40 ⁶
	16	4.89 ⁶	8.21 ⁶	11.85 ⁶	19.85 ⁶	25.88 ⁶	9.95 ⁶	13.49 ⁶	23.39 ⁶	31.37 ⁶
	24	4.82 ⁶	8.13 ⁶	11.78 ⁶	19.77 ⁶	25.81 ⁶	9.87 ⁶	13.42 ⁶	23.31 ⁶	31.28 ⁶
10	12	4.91 ⁶	8.22 ⁶	11.86 ⁶	19.85 ⁶	25.88 ⁶	9.93 ⁶	13.46 ⁶	23.31 ⁶	31.27 ⁶
	16	4.86 ⁶	8.17 ⁶	11.81 ⁶	19.81 ⁶	25.84 ⁶	9.88 ⁶	13.41 ⁶	23.26 ⁶	31.23 ⁶
	24	4.76 ⁶	8.08 ⁶	11.72 ⁶	19.72 ⁶	25.75 ⁶	9.79 ⁶	13.31 ⁶	23.16 ⁶	31.13 ⁶
12	12	4.84 ⁶	8.15 ⁶	11.79 ⁶	19.79 ⁶	25.82 ⁶	9.78 ⁶	13.26 ⁶	22.98 ⁶	30.92 ⁶
	16	4.76 ⁶	8.08 ⁶	11.72 ⁶	19.72 ⁶	25.75 ⁶	9.70 ⁶	13.19 ⁶	22.90 ⁶	30.85 ⁶
	24	4.63 ⁶	7.95 ⁶	11.58 ⁶	19.58 ⁶	25.62 ⁶	9.56 ⁶	13.05 ⁶	22.75 ⁶	30.70 ⁶
14	12	4.73 ⁶	8.03 ⁶	11.68 ⁶	19.70 ⁶	25.73 ⁶	9.56 ⁶	12.98 ⁶	22.51 ⁶	30.42 ⁶
	16	4.63 ⁶	7.93 ⁶	11.58 ⁶	19.60 ⁶	25.63 ⁶	9.47 ⁶	12.88 ⁶	22.40 ⁶	30.35 ⁶
	24	4.45 ⁶	7.75 ⁶	11.39 ⁶	19.41 ⁶	25.44 ⁶	9.27 ⁶	12.69 ⁶	22.19 ⁶	30.11 ⁶
16	12	4.58 ⁶	7.80 ⁶	11.42 ⁶	19.37 ⁶	25.38 ⁶	9.28 ⁶	12.61 ⁶	21.88 ⁶	29.51 ⁶
	16	4.46 ⁶	7.68 ⁶	11.29 ⁶	19.24 ⁶	25.25 ⁶	9.15 ⁶	12.49 ⁶	21.74 ⁶	29.37 ⁶
	24	4.21 ⁶	7.44 ⁶	11.03 ⁶	18.97 ⁶	24.99 ⁶	8.90 ⁶	12.23 ⁶	21.46 ⁶	29.09 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	11.29 ⁶	16.23 ⁶	26.70 ⁶	35.85 ⁶
	16	11.26 ⁶	16.20 ⁶	26.67 ⁶	35.82 ⁶
	24	11.20 ⁶	16.13 ⁶	26.60 ⁶	35.75 ⁶
9	12	11.22 ⁶	16.15 ⁶	26.60 ⁶	35.69 ⁶
	16	11.19 ⁶	16.11 ⁶	26.55 ⁶	35.65 ⁶
	24	11.11 ⁶	16.03 ⁶	26.47 ⁶	35.57 ⁶
10	12	11.15 ⁶	16.06 ⁶	26.48 ⁶	35.50 ⁶
	16	11.10 ⁶	16.00 ⁶	26.42 ⁶	35.45 ⁶
	24	11.00 ⁶	15.90 ⁶	26.32 ⁶	35.35 ⁶
12	12	10.94 ⁶	15.81 ⁶	26.16 ⁶	34.99 ⁶
	16	10.87 ⁶	15.73 ⁶	26.08 ⁶	34.91 ⁶
	24	10.73 ⁶	15.58 ⁶	25.93 ⁶	34.76 ⁶
14	12	10.68 ⁶	15.47 ⁶	25.73 ⁶	34.31 ⁶
	16	10.58 ⁶	15.37 ⁶	25.62 ⁶	34.21 ⁶
	24	10.39 ⁶	15.17 ⁶	25.40 ⁶	34.00 ⁶
16	12	10.34 ⁶	15.06 ⁶	25.02 ⁶	33.50 ⁶
	16	10.22 ⁶	14.92 ⁶	24.87 ⁶	33.35 ⁶
	24	9.97 ⁶	14.65 ⁶	24.58 ⁶	33.06 ⁶

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Wall Ht. (ft)	Spacing (in) o.c.	1200S162-mils (Fy)			1200S200-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	4.95* ⁶	6.63 ⁶	10.38 ⁶	6.69* ⁶	9.66 ⁶	15.46 ⁶
	16	4.93* ⁶	6.61 ⁶	10.36 ⁶	6.67* ⁶	9.64 ⁶	15.44 ⁶
	24	4.90* ⁶	6.58 ⁶	10.33 ⁶	6.63* ⁶	9.60 ⁶	15.40 ⁶
9	12	4.94* ⁶	6.61 ⁶	10.36 ⁶	6.67* ⁶	9.64 ⁶	15.45 ⁶
	16	4.92* ⁶	6.59 ⁶	10.34 ⁶	6.65* ⁶	9.62 ⁶	15.42 ⁶
	24	4.87* ⁶	6.55 ⁶	10.31 ⁶	6.60* ⁶	9.56 ⁶	15.37 ⁶
10	12	4.92* ⁶	6.60 ⁶	10.35 ⁶	6.65* ⁶	9.62 ⁶	15.43 ⁶
	16	4.89* ⁶	6.57 ⁶	10.33 ⁶	6.62* ⁶	9.59 ⁶	15.39 ⁶
	24	4.84* ⁶	6.52 ⁶	10.28 ⁶	6.56* ⁶	9.53 ⁶	15.33 ⁶
12	12	4.89* ⁶	6.56 ⁶	10.32 ⁶	6.61* ⁶	9.58 ⁶	15.38 ⁶
	16	4.85* ⁶	6.52 ⁶	10.28 ⁶	6.57* ⁶	9.53 ⁶	15.33 ⁶
	24	4.77* ⁶	6.45 ⁶	10.21 ⁶	6.48* ⁶	9.43 ⁶	15.24 ⁶
14	12	4.84* ⁶	6.52 ⁶	10.27 ⁶	6.57* ⁶	9.52 ⁶	15.33 ⁶
	16	4.79* ⁶	6.47 ⁶	10.23 ⁶	6.51* ⁶	9.45 ⁶	15.26 ⁶
	24	4.68* ⁶	6.36 ⁶	10.13 ⁶	6.38* ⁶	9.32 ⁶	15.01 ⁶
16	12	4.79* ⁶	6.47 ⁶	10.23 ⁶	6.51* ⁶	9.45 ⁶	15.26 ⁶
	16	4.71* ⁶	6.40 ⁶	10.16 ⁶	6.43* ⁶	9.36 ⁶	15.17 ⁶
	24	4.57* ⁶	6.26 ⁶	10.03 ⁶	6.27* ⁶	9.18 ⁶	14.99 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1200S250-mils (Fy)			1200S300-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	7.70* ⁶	11.11 ⁶	19.49 ⁶	8.80* ⁶	12.26 ⁶	23.59 ⁶
	16	7.67* ⁶	11.09 ⁶	19.47 ⁶	8.78* ⁶	12.20 ⁶	23.56 ⁶
	24	7.63* ⁶	11.04 ⁶	19.42 ⁶	8.73* ⁶	12.15 ⁶	23.51 ⁶
9	12	7.68* ⁶	11.09 ⁶	19.47 ⁶	8.78* ⁶	12.21 ⁶	23.57 ⁶
	16	7.65* ⁶	11.06 ⁶	19.44 ⁶	8.75* ⁶	12.18 ⁶	23.54 ⁶
	24	7.60* ⁶	11.00 ⁶	19.38 ⁶	8.69* ⁶	12.12 ⁶	23.47 ⁶
10	12	7.70* ⁶	11.07 ⁶	19.45 ⁶	8.76* ⁶	12.18 ⁶	23.54 ⁶
	16	7.63* ⁶	11.03 ⁶	19.41 ⁶	8.72* ⁶	12.15 ⁶	23.50 ⁶
	24	7.60* ⁶	10.96 ⁶	19.33 ⁶	8.65* ⁶	12.07 ⁶	23.42 ⁶
12	12	7.62* ⁶	11.02 ⁶	19.39 ⁶	8.71* ⁶	12.13 ⁶	23.49 ⁶
	16	7.57* ⁶	10.97 ⁶	19.34 ⁶	8.65* ⁶	12.08 ⁶	23.42 ⁶
	24	7.47* ⁶	10.86 ⁶	19.23 ⁶	8.54* ⁶	11.97 ⁶	23.30 ⁶
14	12	7.56* ⁶	10.96 ⁶	19.33 ⁶	8.62* ⁶	12.07 ⁶	23.39 ⁶
	16	7.50* ⁶	10.88 ⁶	19.25 ⁶	8.54* ⁶	11.99 ⁶	23.30 ⁶
	24	7.37* ⁶	10.74 ⁶	19.09 ⁶	8.39* ⁶	11.94 ⁶	23.13 ⁶
16	12	7.50* ⁶	10.88 ⁶	19.24 ⁶	8.46* ⁶	11.99 ⁶	23.00 ⁶
	16	7.42* ⁶	10.79 ⁶	19.14 ⁶	8.36* ⁶	11.88 ⁶	22.88 ⁶
	24	7.25* ⁶	10.59 ⁶	18.93 ⁶	8.16* ⁶	11.68 ⁶	22.66 ⁶

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 15psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	250S137-mils (Fy)					2250S162-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	0.54 ³	0.97 ⁴	1.58 ⁵	2.19 ⁶	3.55 ⁶	0.75 ⁴	1.26 ³	1.96 ⁶	2.63 ⁶	4.10 ⁶
	16	0.37 ²	0.79 ³	1.43 ⁴	2.03 ⁴	3.35 ⁶	0.56 ³	1.06 ³	1.80 ⁴	2.47 ⁵	3.90 ⁶
	24	0.06 ¹	0.47 ²	1.17 ²	1.74 ³	2.99 ⁴	0.22 ²	0.71 ²	1.51 ³	2.16 ³	3.54 ⁵
9	12	0.36 ²	0.73 ³	1.30 ³	1.81 ⁴	2.91 ⁶	0.53 ²	0.97 ³	1.61 ⁴	2.19 ⁵	3.40 ⁶
	16	0.18 ¹	0.54 ²	1.14 ²	1.64 ³	2.70 ⁴	0.33 ²	0.77 ²	1.44 ³	2.01 ⁴	3.19 ⁵
	24	0.00	0.21 ¹	0.85 ¹	1.33 ²	2.32 ³	0.00	0.41 ¹	1.13 ²	1.68 ²	2.81 ³
10	12	0.20	0.53 ²	1.04 ²	1.48 ³	2.36 ⁴	0.34 ²	0.72 ²	1.31 ³	1.80 ³	2.81 ⁵
	16	0.02	0.34 ¹	0.88 ²	1.30 ²	2.15 ³	0.14 ¹	0.52 ¹	1.13 ²	1.61 ²	2.59 ³
	24	0.00	0.01	0.59 ¹	0.99 ¹	1.78 ²	0.00	0.16 ¹	0.81 ¹	1.27 ¹	2.20 ²
12	12	0.00	0.22	0.64 ¹	0.95 ¹	1.55 ²	0.06	0.35 ¹	0.83 ¹	1.19 ²	1.90 ³
	16	0.00	0.03	0.48 ¹	0.78 ¹	1.35 ¹	0.00	0.15 ¹	0.65 ¹	1.00 ¹	1.68 ²
	24	0.00	0.00	0.20	0.48	1.00 ¹	0.00	0.00	0.35	0.67 ¹	1.31 ¹
14	12	0.00	0.01	0.36 ¹	0.59 ¹	1.02 ¹	0.00	0.11	0.50 ¹	0.77 ¹	1.28 ¹
	16	0.00	0.00	0.21	0.43	0.83 ¹	0.00	0.00	0.33	0.59 ¹	1.08 ¹
	24	0.00	0.00	0.00	0.15	0.52	0.00	0.00	0.05	0.29	0.74
16	12	0.00	0.00	0.18	0.35	0.66 ¹	0.00	0.00	0.27	0.48	0.86 ¹
	16	0.00	0.00	0.04	0.20	0.49	0.00	0.00	0.12	0.32	0.68
	24	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.04	0.37

Wall Ht. (ft)	Spacing (in) o.c.	350S162-mils (Fy)					350S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.37 ⁶	2.10 ⁶	3.56 ⁶	4.66 ⁶	7.08 ⁶	1.44 ⁶	2.68 ⁶	4.48 ⁶	5.86 ⁶	8.36 ⁶
	16	1.16 ⁶	1.89 ⁶	3.36 ⁶	4.46 ⁶	6.88 ⁶	1.17 ⁶	2.45 ⁶	4.25 ⁶	5.64 ⁶	8.43 ⁶
	24	0.78 ⁶	1.49 ⁶	2.99 ⁶	4.08 ⁶	6.51 ⁶	0.68 ⁵	2.00 ⁶	3.82 ⁶	5.22 ⁶	8.03 ⁶
9	12	1.13 ⁶	1.82 ⁶	3.14 ⁶	4.16 ⁶	6.38 ⁶	1.44 ⁶	2.35 ⁶	3.97 ⁶	5.23 ⁶	7.79 ⁶
	16	0.90 ⁶	1.57 ⁶	2.91 ⁶	3.92 ⁶	6.14 ⁶	1.17 ⁵	2.07 ⁶	3.70 ⁶	4.97 ⁶	7.54 ⁶
	24	0.46 ⁴	1.11 ⁵	2.48 ⁶	3.48 ⁶	5.70 ⁶	0.68 ³	1.56 ⁴	3.20 ⁶	4.48 ⁶	7.07 ⁶
10	12	0.90 ⁶	1.53 ⁶	2.71 ⁶	3.63 ⁶	5.64 ⁶	1.17 ⁵	2.00 ⁶	3.25 ⁶	4.58 ⁶	6.91 ⁶
	16	0.64 ⁴	1.25 ⁶	2.45 ⁶	3.37 ⁶	5.37 ⁶	0.87 ³	1.69 ⁵	3.13 ⁶	4.29 ⁶	6.62 ⁶
	24	0.17 ³	0.74 ⁴	1.99 ⁵	2.88 ⁶	4.87 ⁶	0.34 ²	1.13 ³	2.59 ⁴	3.75 ⁵	6.09 ⁶
12	12	0.47 ⁴	0.98 ⁴	1.90 ⁵	2.62 ⁶	4.17 ⁶	0.67 ³	1.34 ³	2.41 ⁴	3.33 ⁵	5.17 ⁶
	16	0.18 ³	0.67 ⁵	1.62 ⁵	2.33 ⁵	3.88 ⁶	0.34 ²	1.00 ²	2.09 ³	3.01 ⁴	4.85 ⁶
	24	0.00 ³	0.13 ²	1.13 ⁴	1.81 ³	3.34 ⁴	0.00 ¹	0.40 ¹	1.53 ²	2.44 ²	4.27 ⁶
14	12	0.13 ²	0.53 ²	1.27 ²	1.83 ⁴	3.03 ⁵	0.26	0.80 ²	1.64 ³	2.36 ³	3.81 ⁶
	16	0.00 ²	0.22 ²	1.00 ²	1.54 ³	2.73 ⁴	0.00	0.45 ¹	1.33 ²	2.05 ²	3.48 ⁶
	24	0.00	0.00	0.53 ¹	1.04 ²	2.21 ³	0.00	0.00 ¹	0.79 ¹	1.49 ¹	2.91 ⁶
16	12	0.00	0.20 ¹	0.82 ²	1.26 ³	2.20 ⁴	0.00	0.39	1.08 ²	1.66 ²	2.81 ³
	16	0.00	0.00	0.57 ¹	0.98 ²	1.91 ³	0.00	0.07	0.79 ¹	1.36 ¹	2.49 ²
	24	0.00	0.00	0.13 ¹	0.51 ¹	1.42 ²	0.00	0.00	0.29 ¹	0.84 ¹	1.95 ¹

Wall Ht. (ft)	Spacing (in) o.c.	362S137-mils (Fy)					362S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.09 ⁶	1.72 ⁶	2.95 ⁶	3.98 ⁶	5.78 ⁶	1.44 ⁶	2.20 ⁶	3.74 ⁶	4.96 ⁶	7.50 ⁶	9.38 ⁶
	16	0.91 ⁶	1.53 ⁶	2.77 ⁶	3.80 ⁶	5.61 ⁶	1.23 ⁶	1.99 ⁶	3.55 ⁶	4.76 ⁶	7.31 ⁶	9.17 ⁶
	24	0.56 ⁵	1.16 ⁶	2.43 ⁶	3.44 ⁶	5.30 ⁶	0.85 ⁶	1.59 ⁶	3.17 ⁶	4.38 ⁶	6.93 ⁶	8.78 ⁶
9	12	0.90 ⁶	1.49 ⁶	2.64 ⁶	3.59 ⁶	5.58 ⁶	1.21 ⁶	1.93 ⁶	3.35 ⁶	4.47 ⁶	6.82 ⁶	8.52 ⁶
	16	0.68 ⁶	1.26 ⁶	2.43 ⁶	3.37 ⁶	5.37 ⁶	0.97 ⁶	1.68 ⁶	3.12 ⁶	4.23 ⁶	6.58 ⁶	8.26 ⁶
	24	0.28 ⁴	0.83 ⁵	2.03 ⁶	2.94 ⁶	4.95 ⁶	0.53 ⁴	1.21 ⁶	2.68 ⁶	3.77 ⁶	6.13 ⁶	7.78 ⁶
10	12	0.70 ⁵	1.25 ⁶	2.31 ⁶	3.16 ⁶	5.10 ⁶	0.97 ⁶	1.64 ⁶	2.94 ⁶	3.94 ⁶	6.08 ⁶	7.59 ⁶
	16	0.46 ⁴	0.99 ⁵	2.07 ⁶	2.91 ⁶	4.84 ⁶	0.71 ⁵	1.36 ⁶	2.67 ⁶	3.66 ⁶	5.81 ⁶	7.30 ⁶
	24	0.02 ²	0.51 ³	1.62 ⁴	2.44 ⁵	4.35 ⁶	0.23 ³	0.84 ⁴	2.18 ⁵	3.15 ⁶	5.30 ⁶	6.75 ⁶
12	12	0.33 ³	0.78 ⁴	1.63 ⁵	2.30 ⁶	3.80 ⁶	0.53 ³	1.08 ⁵	2.10 ⁶	2.88 ⁶	4.58 ⁶	5.72 ⁶
	16	0.06 ²	0.48 ³	1.36 ⁴	2.02 ⁵	3.51 ⁶	0.24 ²	0.76 ³	1.81 ⁴	2.58 ⁵	4.27 ⁶	5.38 ⁶
	24	0.00	0.00	0.89 ²	1.51 ³	2.99 ⁵	0.00	0.20 ²	1.29 ³	2.03 ³	3.70 ⁵	4.78 ⁶
14	12	0.03 ²	0.38 ²	1.08 ³	1.60 ⁴	2.74 ⁵	0.18 ²	0.61 ³	1.42 ³	2.03 ⁴	3.35 ⁶	4.19 ⁵
	16	0.00	0.08 ²	0.82 ²	1.31 ³	2.45 ⁴	0.00	0.29 ²	1.14 ²	1.73 ³	3.03 ⁶	3.85 ³
	24	0.00	0.00	0.35 ¹	0.82 ²	1.94 ¹	0.00	0.00	0.64 ¹	1.19 ²	2.48 ³	3.27 ²
16	12	0.00	0.09 ¹	0.68 ²	1.07 ²	1.97 ²	0.00	0.26 ²	0.93 ²	1.41 ³	2.44 ⁴	3.08 ³
	16	0.00	0.00	0.42 ¹	0.80 ²	1.69 ¹	0.00	0.00	0.66 ¹	1.12 ²	2.14 ³	2.76 ²
	24	0.00	0.00	0.00	0.34 ¹	1.21 ¹	0.00	0.00	0.19 ¹	0.62 ¹	1.62 ²	2.21 ¹

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Wall	Spacing (in) o.c.	362S200-mils (Fy)						362S250-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.77 ⁶	2.79 ⁶	4.71 ⁶	6.22 ⁶	9.15 ⁶	11.26 ⁶	3.19 ⁶	5.32 ⁶	7.25 ⁶	10.62 ⁶	13.00 ⁶
	16	1.55 ⁶	2.56 ⁶	4.49 ⁶	6.01 ⁶	8.95 ⁶	11.05 ⁶	2.95 ⁶	5.08 ⁶	7.01 ⁶	10.41 ⁶	12.79 ⁶
	24	1.13 ⁶	2.13 ⁶	4.06 ⁶	5.58 ⁶	8.55 ⁶	10.64 ⁶	2.48 ⁶	4.62 ⁶	6.53 ⁶	9.99 ⁶	12.37 ⁶
9	12	1.51 ⁶	2.47 ⁶	4.21 ⁶	5.60 ⁶	8.32 ⁶	10.24 ⁶	2.87 ⁶	4.84 ⁶	6.54 ⁶	9.69 ⁶	11.89 ⁶
	16	1.25 ⁶	2.19 ⁶	3.94 ⁶	5.34 ⁶	8.07 ⁶	9.98 ⁶	2.57 ⁶	4.55 ⁶	6.24 ⁶	9.43 ⁶	11.62 ⁶
	24	0.77 ⁵	1.68 ⁶	3.44 ⁶	4.84 ⁶	7.59 ⁶	9.49 ⁶	2.01 ⁵	4.00 ⁶	5.68 ⁶	8.92 ⁶	11.11 ⁶
10	12	1.25 ⁶	2.13 ⁶	3.69 ⁶	4.95 ⁶	7.44 ⁶	9.17 ⁶	2.51 ⁶	4.33 ⁶	5.79 ⁶	8.71 ⁶	10.71 ⁶
	16	0.95 ⁶	1.82 ⁶	3.38 ⁶	4.65 ⁶	7.15 ⁶	8.87 ⁶	2.17 ⁶	3.99 ⁶	5.45 ⁶	8.40 ⁶	10.39 ⁶
	24	0.42 ⁴	1.25 ⁵	2.83 ⁶	4.09 ⁶	6.60 ⁶	8.29 ⁶	1.54 ⁴	3.37 ⁵	4.82 ⁶	7.82 ⁶	9.80 ⁶
12	12	0.74 ⁴	1.46 ⁶	2.65 ⁶	3.66 ⁶	5.66 ⁶	7.00 ⁶	1.77 ⁴	3.17 ⁶	4.32 ⁶	6.72 ⁶	8.31 ⁶
	16	0.41 ³	1.11 ⁴	2.32 ⁵	3.32 ⁶	5.32 ⁶	6.65 ⁶	1.37 ³	2.79 ⁴	3.93 ⁵	6.35 ⁶	7.93 ⁶
	24	0.00	0.49 ³	1.73 ³	2.72 ⁴	4.72 ⁶	6.01 ⁶	0.67 ²	2.12 ³	3.25 ³	5.69 ⁵	7.25 ⁶
14	12	0.32 ²	0.90 ³	1.82 ⁴	2.61 ⁵	4.19 ⁶	5.20 ⁶	1.12 ³	2.20 ³	3.11 ⁴	5.03 ⁶	6.27 ⁶
	16	0.00	0.54 ²	1.49 ³	2.28 ⁴	3.85 ⁵	4.84 ⁴	0.71 ²	1.82 ²	2.72 ³	4.66 ⁴	5.88 ⁵
	24	0.00	0.00	0.92 ²	1.69 ²	3.24 ³	4.20 ³	0.01 ¹	1.17 ¹	2.05 ²	3.99 ³	5.19 ³
16	12	0.01 ¹	0.46 ²	1.22 ³	1.85 ³	3.10 ⁵	3.89 ⁴	0.61 ²	1.49 ²	2.22 ³	3.77 ⁴	4.75 ⁵
	16	0.00	0.12 ¹	0.91 ²	1.53 ²	2.77 ³	3.54 ³	0.22 ¹	1.14 ¹	1.85 ²	3.41 ³	4.37 ³
	24	0.00	0.00	0.38 ¹	0.97 ¹	2.20 ²	2.93 ²	0.00 ¹	0.53 ¹	1.21 ¹	2.77 ²	3.70 ²

Wall	Spacing (in) o.c.	362S300-mils (Fy)				362S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	6.40 ⁶	8.66 ⁶	12.84 ⁶	15.69 ⁶	7.30 ⁶	10.52 ⁶	15.55 ⁶	18.96 ⁶
	16	6.15 ⁶	8.40 ⁶	12.59 ⁶	15.46 ⁶	7.05 ⁶	10.24 ⁶	15.26 ⁶	18.71 ⁶
	24	5.68 ⁶	7.89 ⁶	12.11 ⁶	15.01 ⁶	6.55 ⁶	9.70 ⁶	14.72 ⁶	18.23 ⁶
9	12	5.86 ⁶	7.97 ⁶	11.71 ⁶	14.36 ⁶	6.69 ⁶	9.62 ⁶	14.16 ⁶	17.35 ⁶
	16	5.56 ⁶	7.64 ⁶	11.40 ⁶	14.08 ⁶	6.38 ⁶	9.28 ⁶	13.82 ⁶	17.04 ⁶
	24	4.98 ⁶	7.03 ⁶	10.81 ⁶	13.53 ⁶	5.78 ⁶	8.62 ⁶	13.15 ⁶	16.44 ⁶
10	12	5.28 ⁶	7.13 ⁶	10.52 ⁶	12.96 ⁶	6.04 ⁶	8.67 ⁶	12.72 ⁶	15.67 ⁶
	16	4.92 ⁶	6.75 ⁶	10.16 ⁶	12.62 ⁶	5.67 ⁶	8.26 ⁶	12.31 ⁶	15.30 ⁶
	24	4.26 ⁶	6.05 ⁶	9.48 ⁶	11.98 ⁶	4.99 ⁶	7.51 ⁶	11.54 ⁶	14.60 ⁶
12	12	4.01 ⁶	5.36 ⁶	8.13 ⁶	10.13 ⁶	4.69 ⁶	6.62 ⁶	9.85 ⁶	12.29 ⁶
	16	3.59 ⁶	4.93 ⁶	7.71 ⁶	9.72 ⁶	4.24 ⁵	6.15 ⁶	9.37 ⁶	11.84 ⁶
	24	2.85 ⁶	4.17 ⁴	6.94 ⁶	8.98 ⁶	3.46 ³	5.31 ⁵	8.48 ⁶	11.01 ⁶
14	12	0.85 ⁴	3.89 ⁵	6.09 ⁶	7.68 ⁶	3.41 ⁴	4.82 ⁶	7.36 ⁶	9.31 ⁶
	16	0.74 ³	3.46 ⁴	5.65 ⁵	7.26 ⁶	2.96 ³	4.35 ⁴	6.86 ⁶	8.84 ⁶
	24	0.55 ²	2.70 ²	4.88 ³	6.49 ⁴	2.18 ²	3.53 ³	5.98 ⁴	8.00 ⁵
16	12	0.60	2.80 ³	4.57 ⁵	5.86 ⁵	2.44 ³	3.51 ⁴	5.52 ⁵	7.11 ⁶
	16	0.50	2.39 ²	4.15 ³	5.44 ⁴	2.00 ²	3.06 ³	5.04 ⁴	6.65 ⁵
	24	0.30	1.68 ¹	3.40 ²	4.70 ²	1.26 ¹	2.29 ²	4.20 ²	5.83 ³

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 15psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	400S137-mils (Fy)					400S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.24 ⁶	1.92 ⁶	3.32 ⁶	4.60 ⁶	6.20 ⁶	1.62 ⁶	2.45 ⁶	4.22 ⁶	5.77 ⁶	8.73 ⁶	10.87 ⁶
	16	1.06 ⁶	1.74 ⁶	3.14 ⁶	4.41 ⁶	6.05 ⁶	1.42 ⁶	2.25 ⁶	4.04 ⁶	5.57 ⁶	8.54 ⁶	10.67 ⁶
	24	0.72 ⁶	1.38 ⁶	2.81 ⁶	4.06 ⁶	5.77 ⁶	1.05 ⁶	1.86 ⁶	3.67 ⁶	5.18 ⁶	8.17 ⁶	10.28 ⁶
9	12	1.05 ⁶	1.71 ⁶	3.05 ⁶	4.30 ⁶	6.04 ⁶	1.40 ⁶	2.20 ⁶	3.87 ⁶	5.33 ⁶	8.11 ⁶	10.09 ⁶
	16	0.84 ⁶	1.49 ⁶	2.83 ⁶	4.07 ⁶	5.84 ⁶	1.17 ⁶	1.95 ⁶	3.64 ⁶	5.08 ⁶	7.87 ⁶	9.35 ⁶
	24	0.44 ⁵	1.06 ⁶	2.43 ⁶	3.63 ⁶	5.47 ⁶	0.73 ⁵	1.49 ⁶	3.20 ⁶	4.61 ⁶	7.41 ⁶	9.20 ⁶
10	12	0.86 ⁶	1.49 ⁶	2.74 ⁶	3.89 ⁶	5.83 ⁶	1.17 ⁶	1.93 ⁶	3.48 ⁶	4.83 ⁶	7.40 ⁶	9.20 ⁶
	16	0.62 ⁵	1.22 ⁶	2.49 ⁶	3.62 ⁶	5.59 ⁶	0.90 ⁶	1.64 ⁶	3.21 ⁶	4.54 ⁶	7.12 ⁶	8.90 ⁶
	24	0.17 ³	0.74 ⁴	2.03 ⁶	3.11 ⁶	5.12 ⁶	0.41 ⁴	1.12 ⁵	2.70 ⁶	3.99 ⁶	6.58 ⁶	8.33 ⁶
12	12	0.48 ⁴	1.01 ⁵	2.08 ⁶	2.99 ⁶	4.90 ⁶	0.72 ⁵	1.37 ⁶	2.65 ⁶	3.73 ⁶	5.87 ⁶	7.30 ⁶
	16	0.19 ³	0.70 ⁴	1.78 ⁵	2.67 ⁶	4.57 ⁶	0.41 ³	1.03 ⁴	2.33 ⁵	3.38 ⁶	5.52 ⁶	6.93 ⁶
	24	0.00	0.14 ²	1.25 ³	2.09 ⁴	3.98 ³	0.00	0.43 ³	1.75 ³	2.76 ⁴	4.88 ⁶	6.26 ⁶
14	12	0.15 ²	0.58 ³	1.46 ⁴	2.15 ⁵	3.64 ⁴	0.33 ³	0.86 ⁴	1.89 ⁴	2.70 ⁶	4.40 ⁶	5.49 ⁶
	16	0.00	0.25 ²	1.15 ³	1.82 ³	3.30 ³	0.01 ²	0.50 ³	1.56 ³	2.35 ⁴	4.04 ⁶	5.10 ⁵
	24	0.00	0.00	0.62 ²	1.24 ²	2.70 ²	0.00	0.00	0.98 ²	1.72 ³	3.40 ⁴	4.42 ³
16	12	0.00	0.23 ²	0.97 ²	1.49 ³	2.66 ³	0.03 ²	0.44 ²	1.30 ³	1.92 ⁴	3.26 ⁵	4.09 ⁴
	16	0.00	0.00	0.67 ²	1.17 ²	2.34 ²	0.00	0.09 ²	0.92 ²	1.58 ³	2.91 ⁴	3.72 ³
	24	0.00	0.00	0.16 ¹	0.62 ¹	1.77 ¹	0.00	0.00	0.42 ¹	0.98 ²	2.30 ²	3.07 ²

Wall Ht. (ft)	Spacing (in) o.c.	400S200-mils (Fy)					400S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.97 ⁶	3.10 ⁶	5.32 ⁶	7.19 ⁶	10.65 ⁶	13.06 ⁶	3.48 ⁶	5.81 ⁶	8.19 ⁶	12.36 ⁶	15.08 ⁶
	16	1.76 ⁶	2.88 ⁶	5.10 ⁶	6.97 ⁶	10.45 ⁶	12.85 ⁶	3.25 ⁶	5.59 ⁶	7.95 ⁶	12.15 ⁶	14.87 ⁶
	24	1.35 ⁶	2.46 ⁶	4.68 ⁶	6.55 ⁶	10.06 ⁶	12.45 ⁶	2.81 ⁶	5.16 ⁶	7.49 ⁶	11.73 ⁶	14.46 ⁶
9	12	1.73 ⁶	2.80 ⁶	4.86 ⁶	6.63 ⁶	9.87 ⁶	12.11 ⁶	3.19 ⁶	5.44 ⁶	7.65 ⁶	11.47 ⁶	14.03 ⁶
	16	1.47 ⁶	2.53 ⁶	4.59 ⁶	6.36 ⁶	9.62 ⁶	11.86 ⁶	2.90 ⁶	5.16 ⁶	7.35 ⁶	11.21 ⁶	13.76 ⁶
	24	0.99 ⁶	2.03 ⁶	4.09 ⁶	5.84 ⁶	9.14 ⁶	11.35 ⁶	2.36 ⁶	4.62 ⁶	6.78 ⁶	10.70 ⁶	13.25 ⁶
10	12	1.47 ⁶	2.48 ⁶	4.36 ⁶	6.01 ⁶	9.01 ⁶	11.08 ⁶	2.86 ⁶	4.98 ⁶	7.01 ⁶	10.51 ⁶	12.88 ⁶
	16	1.18 ⁶	2.17 ⁶	4.05 ⁶	5.69 ⁶	8.71 ⁶	10.76 ⁶	2.52 ⁶	4.64 ⁶	6.65 ⁶	10.19 ⁶	12.56 ⁶
	24	0.64 ³	1.59 ⁶	3.47 ⁶	5.09 ⁶	8.14 ⁶	10.17 ⁶	1.90 ⁵	4.02 ⁶	5.98 ⁶	9.59 ⁶	11.94 ⁶
12	12	0.96 ⁵	1.81 ⁶	3.33 ⁶	4.69 ⁶	7.19 ⁶	8.87 ⁶	2.17 ⁶	3.95 ⁶	5.50 ⁶	8.47 ⁶	10.44 ⁶
	16	0.61 ⁴	1.44 ⁵	2.96 ⁶	4.31 ⁶	6.82 ⁶	8.48 ⁶	1.75 ⁴	3.54 ⁵	5.07 ⁶	8.07 ⁶	10.03 ⁶
	24	0.00	0.78 ³	2.31 ⁴	3.62 ⁵	6.14 ⁶	7.76 ⁶	1.01 ³	2.80 ³	4.29 ⁴	7.33 ⁶	9.27 ⁶
14	12	0.50 ³	1.21 ³	2.39 ⁵	3.44 ⁶	5.45 ⁶	6.76 ⁶	1.48 ³	2.87 ⁴	4.07 ⁵	6.51 ⁶	8.07 ⁶
	16	0.14 ²	0.81 ³	2.01 ⁴	3.05 ⁵	5.06 ⁶	6.35 ⁶	1.03 ²	2.44 ³	3.62 ⁴	6.08 ⁶	7.63 ⁶
	24	0.00	0.13 ²	1.36 ²	2.36 ³	4.37 ⁴	5.61 ⁴	0.26 ¹	1.69 ²	2.83 ²	5.31 ⁴	6.83 ⁴
16	12	0.14 ²	0.71 ³	1.67 ³	2.48 ⁴	4.09 ⁶	5.11 ⁵	0.90	2.01 ³	2.95 ³	4.93 ⁵	6.18 ⁶
	16	0.00	0.32 ²	1.30 ²	2.10 ³	3.71 ⁴	4.70 ⁴	0.46	1.60 ²	2.52 ²	4.51 ⁴	5.73 ⁴
	24	0.00	0.00	0.68 ¹	1.45 ²	3.04 ³	4.00 ²	0.00	0.89 ¹	1.77 ¹	3.76 ²	4.95 ³

Wall Ht. (ft)	Spacing (in) o.c.	400S300-mils (Fy)				400S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	7.02 ⁶	9.65 ⁶	14.82 ⁶	18.07 ⁶	7.95 ⁶	11.59 ⁶	17.73 ⁶	21.59 ⁶
	16	6.79 ⁶	9.40 ⁶	14.58 ⁶	17.85 ⁶	7.72 ⁶	11.33 ⁶	17.46 ⁶	21.35 ⁶
	24	6.34 ⁶	8.92 ⁶	14.10 ⁶	17.41 ⁶	7.26 ⁶	10.82 ⁶	16.93 ⁶	20.89 ⁶
9	12	6.54 ⁶	9.05 ⁶	13.75 ⁶	16.82 ⁶	7.42 ⁶	10.87 ⁶	16.43 ⁶	20.09 ⁶
	16	6.25 ⁶	8.73 ⁶	13.44 ⁶	16.53 ⁶	7.12 ⁶	10.54 ⁶	16.09 ⁶	19.79 ⁶
	24	5.69 ⁶	8.13 ⁶	12.85 ⁶	15.99 ⁶	6.55 ⁶	9.90 ⁶	15.43 ⁶	19.20 ⁶
10	12	6.00 ⁶	8.36 ⁶	12.59 ⁶	15.46 ⁶	6.83 ⁶	10.04 ⁶	15.04 ⁶	18.48 ⁶
	16	5.65 ⁶	7.98 ⁶	12.22 ⁶	15.12 ⁶	6.47 ⁶	9.64 ⁶	14.63 ⁶	18.11 ⁶
	24	5.00 ⁶	7.26 ⁶	11.52 ⁶	14.46 ⁶	5.80 ⁶	8.88 ⁶	13.84 ⁶	17.40 ⁶
12	12	4.85 ⁶	6.74 ⁶	10.16 ⁶	12.61 ⁶	5.55 ⁶	8.18 ⁶	12.15 ⁶	15.10 ⁶
	16	4.40 ⁶	6.26 ⁶	9.69 ⁶	12.16 ⁶	5.10 ⁶	7.67 ⁶	11.63 ⁶	14.62 ⁶
	24	3.61 ⁴	5.40 ⁵	8.84 ⁶	11.34 ⁶	4.28 ⁴	6.74 ⁶	10.67 ⁶	13.73 ⁶
14	12	3.63 ³	5.04 ⁶	7.83 ⁶	9.83 ⁶	4.27 ⁶	6.20 ⁶	9.39 ⁶	11.83 ⁶
	16	3.17 ⁴	4.54 ⁵	7.32 ⁶	9.34 ⁶	3.77 ⁴	5.66 ⁵	8.83 ⁶	11.30 ⁶
	24	2.35 ²	3.67 ³	6.43 ⁴	8.47 ⁵	2.91 ³	4.71 ³	7.82 ⁵	10.34 ⁶
16	12	2.60 ³	3.69 ⁴	5.94 ⁶	7.56 ⁶	3.16 ⁴	4.57 ⁵	7.12 ⁶	9.00 ⁶
	16	2.15 ²	3.21 ³	5.44 ⁴	7.08 ⁵	2.67 ³	4.05 ³	6.57 ⁵	8.58 ⁶
	24	1.37 ¹	2.38 ²	4.58 ³	6.22 ³	1.82 ²	3.15 ²	5.60 ³	7.65 ⁴

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Wall	Spacing (in) o.c.	550S162-mils (Fy)					550S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	2.08 ⁶	3.09 ⁶	5.36 ⁶	7.19 ⁶	11.06 ⁶	2.48 ⁶	3.86 ⁶	6.87 ⁶	9.31 ⁶	14.71 ⁶
	16	1.93 ⁶	2.95 ⁶	5.22 ⁶	7.06 ⁶	10.93 ⁶	2.33 ⁶	3.70 ⁶	6.70 ⁶	9.15 ⁶	14.56 ⁶
	24	1.64 ⁶	2.68 ⁶	4.96 ⁶	6.80 ⁶	10.67 ⁶	2.02 ⁶	3.38 ⁶	6.38 ⁶	8.85 ⁶	14.25 ⁶
9	12	1.94 ⁶	2.94 ⁶	5.20 ⁶	7.07 ⁶	10.93 ⁶	2.32 ⁶	3.67 ⁶	6.59 ⁶	8.99 ⁶	14.28 ⁶
	16	1.75 ⁶	2.77 ⁶	5.03 ⁶	6.90 ⁶	10.76 ⁶	2.13 ⁶	3.46 ⁶	6.38 ⁶	8.79 ⁶	14.08 ⁶
	24	1.38 ⁶	2.42 ⁶	4.69 ⁶	6.56 ⁶	10.42 ⁶	1.75 ⁶	3.06 ⁶	5.97 ⁶	8.40 ⁶	13.68 ⁶
10	12	1.77 ⁶	2.77 ⁶	4.97 ⁶	6.90 ⁶	10.77 ⁶	2.15 ⁶	3.45 ⁶	6.26 ⁶	8.61 ⁶	13.76 ⁶
	16	1.54 ⁶	2.56 ⁶	4.76 ⁶	6.69 ⁶	10.55 ⁶	1.91 ⁶	3.20 ⁶	6.01 ⁶	8.37 ⁶	13.51 ⁶
	24	1.10 ⁶	2.14 ⁶	4.35 ⁶	6.26 ⁶	10.11 ⁶	1.46 ⁶	2.71 ⁶	5.51 ⁶	7.89 ⁶	13.01 ⁶
12	12	1.39 ⁶	2.36 ⁶	4.40 ⁶	6.22 ⁶	10.30 ⁶	1.74 ⁶	2.94 ⁶	5.48 ⁶	7.69 ⁶	12.45 ⁶
	16	1.08 ⁶	2.07 ⁶	4.10 ⁶	5.91 ⁶	9.96 ⁶	1.42 ⁶	2.59 ⁶	5.12 ⁶	7.34 ⁶	12.08 ⁶
	24	0.52 ⁵	1.51 ⁶	3.54 ⁶	5.32 ⁶	9.29 ⁶	0.83 ⁴	1.94 ⁵	4.45 ⁶	6.68 ⁶	11.37 ⁶
14	12	0.97 ⁶	1.90 ⁶	3.71 ⁶	5.36 ⁶	9.00 ⁶	1.29 ⁵	2.36 ⁶	4.58 ⁶	6.59 ⁶	10.85 ⁶
	16	0.61 ⁴	1.53 ⁶	3.34 ⁶	4.97 ⁶	8.55 ⁶	0.91 ⁴	1.94 ⁵	4.14 ⁶	6.15 ⁶	10.37 ⁶
	24	0.00	0.86 ⁴	2.66 ⁵	4.24 ⁶	7.72 ⁶	0.21 ²	1.17 ³	3.35 ⁴	5.35 ⁵	9.48 ⁶
16	12	0.58 ⁴	1.42 ⁵	2.98 ⁶	4.42 ⁶	7.55 ⁶	0.85 ³	1.78 ⁴	3.67 ⁵	5.44 ⁶	9.13 ⁶
	16	0.18 ³	1.00 ⁴	2.57 ⁵	3.97 ⁶	7.03 ⁶	0.43 ²	1.31 ³	3.19 ⁴	4.94 ⁵	8.58 ⁶
	24	0.00	0.28 ²	1.83 ³	3.18 ⁴	6.10 ⁵	0.00	0.48 ²	2.33 ²	4.06 ³	7.58 ⁴

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 15psf Lateral Load

Wall	Spacing	600S137-mils (Fy)					600S162-mils (Fy)					
		(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.54 ⁶	2.28 ⁶	3.62 ⁶	4.86 ⁶	7.38 ⁶	2.14 ⁶	3.14 ⁶	5.37 ⁶	7.22 ⁶	11.17 ⁶	13.99 ⁶
	16	1.42 ⁶	2.17 ⁶	3.53 ⁶	4.77 ⁶	7.30 ⁶	2.00 ⁶	3.02 ⁶	5.25 ⁶	7.10 ⁶	11.06 ⁶	13.88 ⁶
	24	1.19 ⁶	1.95 ⁶	3.34 ⁶	4.58 ⁶	7.14 ⁶	1.73 ⁶	2.77 ⁶	5.02 ⁶	6.87 ⁶	10.83 ⁶	13.65 ⁶
9	12	1.44 ⁶	2.18 ⁶	3.54 ⁶	4.78 ⁶	7.31 ⁶	2.02 ⁶	3.03 ⁶	5.26 ⁶	7.11 ⁶	11.06 ⁶	13.88 ⁶
	16	1.29 ⁶	2.04 ⁶	3.41 ⁶	4.66 ⁶	7.21 ⁶	1.85 ⁶	2.87 ⁶	5.11 ⁶	6.96 ⁶	10.91 ⁶	13.73 ⁶
	24	1.01 ⁶	1.76 ⁶	3.17 ⁶	4.42 ⁶	7.00 ⁶	1.51 ⁶	2.56 ⁶	4.81 ⁶	6.67 ⁶	10.62 ⁶	13.43 ⁶
10	12	1.33 ⁶	2.07 ⁶	3.44 ⁶	4.68 ⁶	7.22 ⁶	1.89 ⁶	2.91 ⁶	5.14 ⁶	6.98 ⁶	10.93 ⁶	13.74 ⁶
	16	1.15 ⁶	1.90 ⁶	3.28 ⁶	4.53 ⁶	7.09 ⁶	1.67 ⁶	2.71 ⁶	4.94 ⁶	6.79 ⁶	10.74 ⁶	13.55 ⁶
	24	0.80 ⁶	1.55 ⁶	2.98 ⁶	4.23 ⁶	6.83 ⁶	1.26 ⁶	2.32 ⁶	4.57 ⁶	6.42 ⁶	10.37 ⁶	13.16 ⁶
12	12	1.07 ⁶	1.81 ⁶	3.20 ⁶	4.44 ⁶	7.00 ⁶	1.54 ⁶	2.56 ⁶	4.76 ⁶	6.66 ⁶	10.59 ⁶	13.37 ⁶
	16	0.82 ⁶	1.56 ⁶	2.97 ⁶	4.21 ⁶	6.80 ⁶	1.25 ⁶	2.28 ⁶	4.48 ⁶	6.37 ⁶	10.29 ⁶	13.06 ⁶
	24	0.35 ⁵	1.08 ⁶	2.54 ⁶	3.78 ⁶	6.41 ⁶	0.70 ⁶	1.75 ⁶	3.94 ⁶	5.82 ⁶	9.73 ⁶	12.46 ⁶
14	12	0.78 ⁶	1.50 ⁶	2.89 ⁶	4.12 ⁶	6.70 ⁶	1.15 ⁶	2.13 ⁶	4.15 ⁶	5.95 ⁶	10.05 ⁶	12.82 ⁶
	16	0.46 ⁵	1.17 ⁶	2.59 ⁶	3.81 ⁶	6.42 ⁶	0.79 ⁶	1.78 ⁶	3.78 ⁶	5.58 ⁶	9.63 ⁶	12.36 ⁶
	24	0.00	0.57 ⁴	2.02 ⁵	3.22 ⁶	5.87 ⁶	0.14 ⁴	1.12 ⁵	3.11 ⁶	4.87 ⁶	8.83 ⁶	11.50 ⁶
16	12	0.46 ⁴	1.16 ⁶	2.53 ⁶	3.73 ⁶	6.31 ⁶	0.75 ⁵	1.67 ⁶	3.45 ⁶	5.08 ⁶	8.73 ⁶	11.47 ⁶
	16	0.09 ³	0.76 ⁴	2.15 ⁵	3.33 ⁶	5.92 ⁶	0.35 ⁴	1.26 ⁵	3.03 ⁶	4.63 ⁶	8.21 ⁶	10.88 ⁶
	24	0.00	0.05 ³	1.47 ³	2.61 ⁴	5.21 ⁶	0.00	0.51 ³	2.28 ³	3.82 ⁵	7.28 ⁶	9.82 ⁶

Wall	Spacing	600S200-mils (Fy)					600S250-mils (Fy)					
		(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	2.57 ⁶	4.01 ⁶	7.16 ⁶	9.69 ⁶	15.37 ⁶	19.75 ⁶	4.34 ⁶	7.35 ⁶	10.74 ⁶	17.96 ⁶	23.04 ⁶
	16	2.43 ⁶	3.86 ⁶	7.01 ⁶	9.55 ⁶	15.23 ⁶	19.60 ⁶	4.19 ⁶	7.21 ⁶	10.58 ⁶	17.81 ⁶	22.88 ⁶
	24	2.15 ⁶	3.56 ⁶	6.71 ⁶	9.27 ⁶	14.95 ⁶	19.31 ⁶	3.89 ⁶	6.92 ⁶	10.27 ⁶	17.50 ⁶	22.57 ⁶
9	12	2.43 ⁶	3.84 ⁶	6.92 ⁶	9.43 ⁶	15.02 ⁶	19.43 ⁶	4.17 ⁶	7.13 ⁶	10.44 ⁶	17.51 ⁶	22.49 ⁶
	16	2.26 ⁶	3.65 ⁶	6.73 ⁶	9.25 ⁶	14.84 ⁶	19.24 ⁶	3.98 ⁶	6.95 ⁶	10.24 ⁶	17.31 ⁶	22.29 ⁶
	24	1.90 ⁶	3.27 ⁶	6.35 ⁶	8.89 ⁶	14.48 ⁶	18.85 ⁶	3.60 ⁶	6.58 ⁶	9.84 ⁶	16.91 ⁶	21.88 ⁶
10	12	2.28 ⁶	3.65 ⁶	6.65 ⁶	9.12 ⁶	14.60 ⁶	18.90 ⁶	3.98 ⁶	6.88 ⁶	10.09 ⁶	16.97 ⁶	21.83 ⁶
	16	2.06 ⁶	3.41 ⁶	6.41 ⁶	8.89 ⁶	14.37 ⁶	18.66 ⁶	3.74 ⁶	6.65 ⁶	9.84 ⁶	16.72 ⁶	21.57 ⁶
	24	1.63 ⁶	2.96 ⁶	5.94 ⁶	8.45 ⁶	13.91 ⁶	18.17 ⁶	3.28 ⁶	6.20 ⁶	9.35 ⁶	16.22 ⁶	21.06 ⁶
12	12	1.91 ⁶	3.19 ⁶	5.96 ⁶	8.33 ⁶	13.52 ⁶	17.52 ⁶	3.53 ⁶	6.25 ⁶	9.24 ⁶	15.63 ⁶	20.18 ⁶
	16	1.60 ⁶	2.86 ⁶	5.63 ⁶	8.00 ⁶	13.16 ⁶	17.15 ⁶	3.19 ⁶	5.93 ⁶	8.88 ⁶	15.26 ⁶	19.79 ⁶
	24	1.03 ⁶	2.24 ⁶	4.98 ⁶	7.37 ⁶	12.50 ⁶	16.42 ⁶	2.55 ⁶	5.29 ⁶	8.18 ⁶	14.53 ⁶	19.03 ⁶
14	12	1.49 ⁶	2.65 ⁶	5.14 ⁶	7.34 ⁶	12.10 ⁶	15.72 ⁶	3.00 ⁶	5.53 ⁶	8.23 ⁶	13.99 ⁶	18.13 ⁶
	16	1.11 ⁶	2.24 ⁶	4.71 ⁶	6.92 ⁶	11.64 ⁶	15.22 ⁶	2.57 ⁶	5.10 ⁶	7.75 ⁶	13.49 ⁶	17.61 ⁶
	24	0.42 ⁴	1.48 ⁶	3.92 ⁶	6.12 ⁶	10.77 ⁶	14.26 ⁶	1.76 ⁶	4.30 ⁶	6.85 ⁶	12.53 ⁶	16.60 ⁶
16	12	1.05 ⁶	2.09 ⁶	4.25 ⁶	6.25 ⁶	10.49 ⁶	13.67 ⁶	2.43 ⁶	4.78 ⁶	7.14 ⁶	12.16 ⁶	15.84 ⁶
	16	0.62 ⁴	1.62 ⁶	3.76 ⁶	5.75 ⁶	9.94 ⁶	13.05 ⁶	1.92 ⁴	4.26 ⁶	6.56 ⁶	11.55 ⁶	15.19 ⁶
	24	0.00	0.76 ⁴	2.88 ⁵	4.84 ⁶	8.92 ⁶	11.92 ⁶	1.00 ³	3.32 ⁴	5.51 ⁵	10.43 ⁶	13.98 ⁶

Wall	Spacing	600S300-mils (Fy)				600S350-mils (Fy)			
		(in) o.c.	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	8.84 ⁶	11.95 ⁶	20.47 ⁶	27.10 ⁶	9.93 ⁶	14.43 ⁶	23.66 ⁶	31.44 ⁶
	16	8.69 ⁶	11.80 ⁶	20.30 ⁶	26.94 ⁶	9.78 ⁶	14.28 ⁶	23.49 ⁶	31.27 ⁶
	24	8.38 ⁶	11.49 ⁶	19.96 ⁶	26.61 ⁶	9.47 ⁶	13.95 ⁶	23.13 ⁶	30.93 ⁶
9	12	8.59 ⁶	11.64 ⁶	20.00 ⁶	26.40 ⁶	9.64 ⁶	14.08 ⁶	23.31 ⁶	30.59 ⁶
	16	8.39 ⁶	11.45 ⁶	19.78 ⁶	26.19 ⁶	9.45 ⁶	13.87 ⁶	22.88 ⁶	30.37 ⁶
	24	8.00 ⁶	11.06 ⁶	19.34 ⁶	25.76 ⁶	9.06 ⁶	13.45 ⁶	22.43 ⁶	29.93 ⁶
10	12	8.29 ⁶	11.28 ⁶	19.46 ⁶	25.58 ⁶	9.31 ⁶	13.66 ⁶	22.48 ⁶	29.62 ⁶
	16	8.04 ⁶	11.04 ⁶	19.18 ⁶	25.31 ⁶	9.07 ⁶	13.39 ⁶	22.19 ⁶	29.34 ⁶
	24	7.56 ⁶	10.55 ⁶	18.63 ⁶	24.77 ⁶	8.60 ⁶	12.87 ⁶	21.62 ⁶	28.78 ⁶
12	12	7.58 ⁶	10.47 ⁶	18.17 ⁶	23.61 ⁶	8.54 ⁶	12.65 ⁶	21.01 ⁶	27.32 ⁶
	16	7.23 ⁶	10.11 ⁶	17.75 ⁶	23.21 ⁶	8.19 ⁶	12.26 ⁶	20.58 ⁶	26.90 ⁶
	24	6.55 ⁶	9.41 ⁶	16.94 ⁶	22.42 ⁶	7.52 ⁶	11.50 ⁶	19.73 ⁶	26.07 ⁶
14	12	6.73 ⁶	9.55 ⁶	16.40 ⁶	21.26 ⁶	7.63 ⁶	11.44 ⁶	19.14 ⁶	24.63 ⁶
	16	6.27 ⁶	9.07 ⁶	15.83 ⁶	20.70 ⁶	7.17 ⁶	10.92 ⁶	18.54 ⁶	24.05 ⁶
	24	5.40 ⁶	8.14 ⁶	14.75 ⁶	19.64 ⁶	6.31 ⁶	9.93 ⁶	17.40 ⁶	22.94 ⁶
16	12	5.80 ⁶	8.46 ⁶	14.27 ⁶	18.65 ⁶	6.63 ⁶	10.08 ⁶	16.71 ⁶	21.68 ⁶
	16	5.24 ⁶	7.86 ⁶	13.57 ⁶	17.96 ⁶	6.07 ⁶	9.44 ⁶	15.98 ⁶	20.95 ⁶
	24	4.23 ⁴	6.75 ⁵	12.30 ⁶	16.68 ⁶	5.06 ⁵	8.25 ⁴	14.62 ⁶	19.60 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports

Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 15psf Lateral Load



Wall	Spacing (in) o.c.	800S137-mils (Fy)					800S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.55 ⁶	2.27 ⁶	3.14 ⁶	4.62 ⁶	7.10 ⁶	2.20 ⁶	3.17 ⁶	5.26 ⁶	7.08 ⁶	11.09 ⁶	14.30 ⁶
	16	1.46 ⁶	2.19 ⁶	3.38 ⁶	4.56 ⁶	7.04 ⁶	2.10 ⁶	3.07 ⁶	5.18 ⁶	7.00 ⁶	11.01 ⁶	14.28 ⁶
	24	1.30 ⁶	2.03 ⁶	3.25 ⁶	4.44 ⁶	6.93 ⁶	1.90 ⁶	2.89 ⁶	5.01 ⁶	6.83 ⁶	10.85 ⁶	14.23 ⁶
9	12	1.48 ⁶	2.20 ⁶	3.39 ⁶	4.57 ⁶	7.05 ⁶	2.12 ⁶	3.09 ⁶	5.19 ⁶	7.01 ⁶	11.02 ⁶	14.28 ⁶
	16	1.37 ⁶	2.10 ⁶	3.31 ⁶	4.49 ⁶	6.98 ⁶	1.99 ⁶	2.97 ⁶	5.08 ⁶	6.90 ⁶	10.92 ⁶	14.25 ⁶
	24	1.17 ⁶	1.91 ⁶	3.14 ⁶	4.34 ⁶	6.83 ⁶	1.75 ⁶	2.73 ⁶	4.87 ⁶	6.69 ⁶	10.71 ⁶	14.19 ⁶
10	12	1.40 ⁶	2.13 ⁶	3.33 ⁶	4.51 ⁶	6.99 ⁶	2.02 ⁶	3.00 ⁶	5.11 ⁶	6.93 ⁶	10.94 ⁶	14.26 ⁶
	16	1.27 ⁶	2.01 ⁶	3.22 ⁶	4.42 ⁶	6.90 ⁶	1.87 ⁶	2.85 ⁶	4.97 ⁶	6.80 ⁶	10.81 ⁶	14.22 ⁶
	24	1.02 ⁶	1.76 ⁶	3.02 ⁶	4.22 ⁶	6.72 ⁶	1.57 ⁶	2.56 ⁶	4.70 ⁶	6.53 ⁶	10.55 ⁶	14.22 ⁶
12	12	1.22 ⁶	1.96 ⁶	3.18 ⁶	4.37 ⁶	6.86 ⁶	1.81 ⁶	2.79 ⁶	4.91 ⁶	6.73 ⁶	10.74 ⁶	14.14 ⁶
	16	1.04 ⁶	1.78 ⁶	3.03 ⁶	4.23 ⁶	6.72 ⁶	1.59 ⁶	2.57 ⁶	4.71 ⁶	6.53 ⁶	10.55 ⁶	14.14 ⁶
	24	0.68 ⁶	1.43 ⁶	2.74 ⁶	3.95 ⁶	6.45 ⁶	1.16 ⁶	2.15 ⁶	4.31 ⁶	6.14 ⁶	10.16 ⁶	14.03 ⁶
14	12	1.01 ⁶	1.75 ⁶	3.00 ⁶	4.20 ⁶	6.69 ⁶	1.55 ⁶	2.53 ⁶	4.65 ⁶	6.48 ⁶	10.48 ⁶	14.12 ⁶
	16	0.77 ⁶	1.51 ⁶	2.80 ⁶	4.00 ⁶	6.50 ⁶	1.25 ⁶	2.24 ⁶	4.38 ⁶	6.20 ⁶	10.20 ⁶	14.03 ⁶
	24	0.29 ⁶	1.04 ⁶	2.40 ⁶	3.61 ⁶	6.12 ⁶	0.69 ⁶	1.68 ⁶	3.84 ⁶	5.66 ⁶	9.65 ⁶	13.87 ⁶
16	12	0.77 ⁶	1.51 ⁶	2.79 ⁶	3.99 ⁶	6.48 ⁶	1.25 ⁶	2.23 ⁶	4.35 ⁶	6.16 ⁶	10.14 ⁶	14.01 ⁶
	16	0.46 ⁶	1.20 ⁶	2.53 ⁶	3.73 ⁶	6.22 ⁶	0.88 ⁶	1.86 ⁶	3.98 ⁶	5.80 ⁶	9.77 ⁶	13.89 ⁶
	24	0.00	0.61 ⁶	2.02 ⁶	3.22 ⁶	5.73 ⁶	0.19 ⁶	1.15 ⁶	3.29 ⁶	5.09 ⁶	9.03 ⁶	13.66 ⁶

Wall	Spacing (in) o.c.	800S200-mils (Fy)					800S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.75 ⁶	4.25 ⁶	7.53 ⁶	10.09 ⁶	15.79 ⁶	20.46 ⁶	4.67 ⁶	7.96 ⁶	11.57 ⁶	19.55 ⁶	25.86 ⁶
	16	2.65 ⁶	4.14 ⁶	7.42 ⁶	9.99 ⁶	15.70 ⁶	20.43 ⁶	4.55 ⁶	7.85 ⁶	11.46 ⁶	19.44 ⁶	25.82 ⁶
	24	2.44 ⁶	3.93 ⁶	7.21 ⁶	9.80 ⁶	15.51 ⁶	20.37 ⁶	4.33 ⁶	7.63 ⁶	11.23 ⁶	19.21 ⁶	25.75 ⁶
9	12	2.67 ⁶	4.16 ⁶	7.44 ⁶	10.00 ⁶	15.71 ⁶	20.43 ⁶	4.56 ⁶	7.83 ⁶	11.43 ⁶	19.36 ⁶	25.74 ⁶
	16	2.53 ⁶	4.02 ⁶	7.30 ⁶	9.88 ⁶	15.59 ⁶	20.39 ⁶	4.41 ⁶	7.69 ⁶	11.28 ⁶	19.22 ⁶	25.69 ⁶
	24	2.27 ⁶	3.74 ⁶	7.02 ⁶	9.63 ⁶	15.35 ⁶	20.31 ⁶	4.13 ⁶	7.42 ⁶	10.99 ⁶	18.93 ⁶	25.60 ⁶
10	12	2.57 ⁶	4.06 ⁶	7.33 ⁶	9.90 ⁶	15.61 ⁶	20.40 ⁶	4.43 ⁶	7.68 ⁶	11.26 ⁶	19.14 ⁶	25.50 ⁶
	16	2.40 ⁶	3.88 ⁶	7.15 ⁶	9.75 ⁶	15.46 ⁶	20.35 ⁶	4.25 ⁶	7.51 ⁶	11.08 ⁶	18.96 ⁶	25.44 ⁶
	24	2.07 ⁶	3.54 ⁶	6.81 ⁶	9.43 ⁶	15.16 ⁶	20.25 ⁶	3.90 ⁶	7.17 ⁶	10.71 ⁶	18.60 ⁶	25.32 ⁶
12	12	2.33 ⁶	3.80 ⁶	7.06 ⁶	9.66 ⁶	15.37 ⁶	20.32 ⁶	4.13 ⁶	7.30 ⁶	10.84 ⁶	18.57 ⁶	24.84 ⁶
	16	2.09 ⁶	3.55 ⁶	6.81 ⁶	9.42 ⁶	15.14 ⁶	20.24 ⁶	3.87 ⁶	7.05 ⁶	10.57 ⁶	18.30 ⁶	24.75 ⁶
	24	1.63 ⁶	3.05 ⁶	6.30 ⁶	8.95 ⁶	14.68 ⁶	20.08 ⁶	3.37 ⁶	6.56 ⁶	10.03 ⁶	17.76 ⁶	24.56 ⁶
14	12	2.03 ⁶	3.45 ⁶	6.63 ⁶	9.27 ⁶	15.04 ⁶	20.20 ⁶	3.76 ⁶	6.82 ⁶	10.22 ⁶	17.69 ⁶	23.89 ⁶
	16	1.71 ⁶	3.11 ⁶	6.28 ⁶	8.94 ⁶	14.71 ⁶	20.09 ⁶	3.42 ⁶	6.48 ⁶	9.85 ⁶	17.31 ⁶	23.76 ⁶
	24	1.10 ⁶	2.46 ⁶	5.59 ⁶	8.29 ⁶	14.05 ⁶	19.86 ⁶	2.74 ⁶	5.82 ⁶	9.12 ⁶	16.56 ⁶	23.50 ⁶
16	12	1.68 ⁶	3.02 ⁶	6.00 ⁶	8.55 ⁶	14.22 ⁶	19.78 ⁶	3.33 ⁶	6.24 ⁶	9.42 ⁶	16.46 ⁶	22.66 ⁶
	16	1.28 ⁶	2.59 ⁶	5.55 ⁶	8.12 ⁶	13.78 ⁶	19.62 ⁶	2.89 ⁶	5.81 ⁶	8.94 ⁶	15.96 ⁶	22.48 ⁶
	24	0.54 ⁶	1.79 ⁶	4.71 ⁶	7.30 ⁶	12.92 ⁶	19.29 ⁶	2.06 ⁶	4.98 ⁶	8.03 ⁶	15.00 ⁶	22.12 ⁶

Wall	Spacing (in) o.c.	800S300-mils (Fy)				800S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	9.77 ⁶	13.18 ⁶	22.67 ⁶	30.40 ⁶	10.95 ⁶	15.77 ⁶	25.94 ⁶	34.51 ⁶
	16	9.73 ⁶	13.14 ⁶	22.63 ⁶	30.36 ⁶	10.91 ⁶	15.73 ⁶	25.90 ⁶	34.47 ⁶
	24	9.66 ⁶	13.07 ⁶	22.55 ⁶	30.28 ⁶	10.94 ⁶	15.65 ⁶	25.82 ⁶	34.39 ⁶
9	12	9.68 ⁶	13.07 ⁶	22.48 ⁶	30.20 ⁶	10.84 ⁶	15.63 ⁶	25.77 ⁶	34.23 ⁶
	16	9.64 ⁶	13.02 ⁶	22.43 ⁶	30.15 ⁶	10.79 ⁶	15.58 ⁶	25.71 ⁶	34.18 ⁶
	24	9.54 ⁶	12.92 ⁶	22.32 ⁶	30.04 ⁶	10.69 ⁶	15.48 ⁶	25.60 ⁶	34.07 ⁶
10	12	9.58 ⁶	12.93 ⁶	22.25 ⁶	29.94 ⁶	10.71 ⁶	15.47 ⁶	25.56 ⁶	33.90 ⁶
	16	9.52 ⁶	12.87 ⁶	22.19 ⁶	29.87 ⁶	10.65 ⁶	15.40 ⁶	25.49 ⁶	33.83 ⁶
	24	9.40 ⁶	12.75 ⁶	22.05 ⁶	29.74 ⁶	10.53 ⁶	15.27 ⁶	25.35 ⁶	33.70 ⁶
12	12	9.31 ⁶	12.58 ⁶	21.65 ⁶	29.00 ⁶	10.38 ⁶	15.06 ⁶	24.82 ⁶	33.08 ⁶
	16	9.22 ⁶	12.49 ⁶	21.55 ⁶	28.90 ⁶	10.30 ⁶	14.96 ⁶	24.72 ⁶	32.98 ⁶
	24	9.04 ⁶	12.31 ⁶	21.35 ⁶	28.71 ⁶	10.12 ⁶	14.77 ⁶	24.52 ⁶	32.78 ⁶
14	12	8.96 ⁶	12.12 ⁶	20.88 ⁶	27.77 ⁶	9.98 ⁶	14.52 ⁶	23.92 ⁶	31.85 ⁶
	16	8.83 ⁶	11.99 ⁶	20.74 ⁶	27.63 ⁶	9.85 ⁶	14.39 ⁶	23.77 ⁶	31.71 ⁶
	24	8.58 ⁶	11.75 ⁶	20.46 ⁶	27.35 ⁶	9.61 ⁶	14.12 ⁶	23.49 ⁶	31.42 ⁶
16	12	8.53 ⁶	11.55 ⁶	19.97 ⁶	26.27 ⁶	9.49 ⁶	13.87 ⁶	22.88 ⁶	30.12 ⁶
	16	8.36 ⁶	11.39 ⁶	19.77 ⁶	26.08 ⁶	9.33 ⁶	13.69 ⁶	22.69 ⁶	29.92 ⁶
	24	8.03 ⁶	11.06 ⁶	19.39 ⁶	25.71 ⁶	9.01 ⁶	13.33 ⁶	22.29 ⁶	29.53 ⁶

Notes:

- ¹ Deflection meets L/120
- ³ Deflection meets L/360
- ⁵ Deflection meets L/600
- Axial Load Multiplier = 1
- Lateral Load Multiplier - Strength = 1
- * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240
- ⁴ Deflection meets L/480
- ⁶ Deflection meets L/720
- KyLy & KtLt = 48
- Lateral Load Multiplier - Deflection = 1.0



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 20psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	1000S162-mils (Fy)					1000S200-mils (Fy)				
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	3.13* ⁶	5.07 ⁶	6.83 ⁶	10.74 ⁶	13.87 ⁶	4.27* ⁶	7.43 ⁶	9.94 ⁶	15.62 ⁶	20.31 ⁶
	16	3.06* ⁶	5.01 ⁶	6.77 ⁶	10.68 ⁶	13.85 ⁶	4.18* ⁶	7.35 ⁶	9.86 ⁶	15.55 ⁶	20.28 ⁶
	24	2.91* ⁶	4.88 ⁶	6.64 ⁶	10.57 ⁶	13.85 ⁶	4.01* ⁶	7.19 ⁶	9.71 ⁶	15.39 ⁶	20.23 ⁶
9	12	3.07* ⁶	5.02 ⁶	6.78 ⁶	10.69 ⁶	13.86 ⁶	4.20* ⁶	7.37 ⁶	9.88 ⁶	15.56 ⁶	20.29 ⁶
	16	2.98* ⁶	4.94 ⁶	6.70 ⁶	10.62 ⁶	13.83 ⁶	4.09* ⁶	7.26 ⁶	9.78 ⁶	15.46 ⁶	20.26 ⁶
	24	2.79* ⁶	4.77 ⁶	6.54 ⁶	10.47 ⁶	13.78 ⁶	3.87* ⁶	7.05 ⁶	9.57 ⁶	15.27 ⁶	20.20 ⁶
10	12	3.00* ⁶	4.96 ⁶	6.72 ⁶	10.64 ⁶	13.84 ⁶	4.12* ⁶	7.29 ⁶	9.80 ⁶	15.48 ⁶	20.26 ⁶
	16	2.88* ⁶	4.86 ⁶	6.62 ⁶	10.54 ⁶	13.81 ⁶	3.98* ⁶	7.16 ⁶	9.68 ⁶	15.36 ⁶	20.22 ⁶
	24	2.66* ⁶	4.65 ⁶	6.43 ⁶	10.36 ⁶	13.74 ⁶	3.71* ⁶	6.90 ⁶	9.42 ⁶	15.12 ⁶	20.14 ⁶
12	12	2.84* ⁶	4.82 ⁶	6.58 ⁶	10.53 ⁶	13.79 ⁶	3.93* ⁶	7.10 ⁶	9.62 ⁶	15.31 ⁶	20.20 ⁶
	16	2.68* ⁶	4.67 ⁶	6.44 ⁶	10.37 ⁶	13.75 ⁶	3.73* ⁶	6.91 ⁶	9.43 ⁶	15.12 ⁶	20.14 ⁶
	24	2.34* ⁶	4.37 ⁶	6.15 ⁶	10.09 ⁶	13.66 ⁶	3.35* ⁶	6.53 ⁶	9.06 ⁶	14.76 ⁶	20.02 ⁶
14	12	2.65* ⁶	4.64 ⁶	6.41 ⁶	10.34 ⁶	13.74 ⁶	3.70* ⁶	6.87 ⁶	9.39 ⁶	15.08 ⁶	20.13 ⁶
	16	2.42* ⁶	4.44 ⁶	6.21 ⁶	10.14 ⁶	13.67 ⁶	3.43* ⁶	6.60 ⁶	9.13 ⁶	14.82 ⁶	20.04 ⁶
	24	1.98* ⁶	4.03 ⁶	5.82 ⁶	9.76 ⁶	13.54 ⁶	2.91* ⁶	6.08 ⁶	8.62 ⁶	14.32 ⁶	19.87 ⁶
16	12	2.42* ⁶	4.43 ⁶	6.20 ⁶	10.13 ⁶	13.67 ⁶	3.43* ⁶	6.59 ⁶	9.11 ⁶	14.80 ⁶	20.03 ⁶
	16	2.13* ⁶	4.16 ⁶	5.94 ⁶	9.87 ⁶	13.58 ⁶	3.08* ⁶	6.23 ⁶	8.77 ⁶	14.45 ⁶	19.91 ⁶
	24	1.55* ⁶	3.63 ⁶	5.42 ⁶	9.36 ⁶	13.41 ⁶	2.40* ⁶	5.54 ⁶	8.09 ⁶	13.77 ⁶	19.67 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S250-mils (Fy)					1000S300-mils (Fy)			
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	4.78* ⁶	8.10 ⁶	11.74 ⁶	19.74	25.94 ⁶	10.74 ⁶	14.41 ⁶	24.63 ⁶	29.36 ⁶
	16	4.69* ⁶	8.01 ⁶	11.65 ⁶	19.65	25.91 ⁶	10.71 ⁶	14.38 ⁶	24.60 ⁶	29.33 ⁶
	24	4.51* ⁶	7.84 ⁶	11.47 ⁶	19.48	25.85 ⁶	10.56 ⁶	14.32 ⁶	24.53 ⁶	29.27 ⁶
9	12	4.70* ⁶	8.03 ⁶	11.66 ⁶	19.67	25.91 ⁶	10.68 ⁶	14.34 ⁶	24.54 ⁶	29.33 ⁶
	16	4.59* ⁶	7.92 ⁶	11.55 ⁶	19.56	25.88 ⁶	10.64 ⁶	14.31 ⁶	24.49 ⁶	29.29 ⁶
	24	4.36* ⁶	7.70 ⁶	11.32 ⁶	19.34	25.81 ⁶	10.56 ⁶	14.23 ⁶	24.41 ⁶	29.22 ⁶
10	12	4.62* ⁶	7.95 ⁶	11.58 ⁶	19.58	25.89 ⁶	10.61 ⁶	14.26 ⁶	24.42 ⁶	29.19 ⁶
	16	4.48* ⁶	7.81 ⁶	11.44 ⁶	19.45	25.84 ⁶	10.56 ⁶	14.22 ⁶	24.37 ⁶	29.14 ⁶
	24	4.19* ⁶	7.54 ⁶	11.16 ⁶	19.18	25.75 ⁶	10.47 ⁶	14.12 ⁶	24.26 ⁶	29.04 ⁶
12	12	4.42* ⁶	7.75 ⁶	11.37 ⁶	19.38	25.82 ⁶	10.43 ⁶	14.05 ⁶	24.10 ⁶	28.79 ⁶
	16	4.22* ⁶	7.56 ⁶	11.16 ⁶	19.18	25.75 ⁶	10.36 ⁶	13.98 ⁶	24.02 ⁶	28.72 ⁶
	24	3.81* ⁶	7.16 ⁶	10.75 ⁶	18.78	25.62 ⁶	10.22 ⁶	13.84 ⁶	23.87 ⁶	28.57 ⁶
14	12	4.16* ⁶	7.48 ⁶	11.09 ⁶	19.12	25.73 ⁶	10.18 ⁶	13.75 ⁶	23.66 ⁶	28.20 ⁶
	16	3.88* ⁶	7.20 ⁶	10.80 ⁶	18.84	25.63 ⁶	10.08 ⁶	13.65 ⁶	23.55 ⁶	28.10 ⁶
	24	3.33* ⁶	6.67 ⁶	10.23 ⁶	18.27	25.44 ⁶	9.09 ⁶	13.46 ⁶	23.33 ⁶	27.87 ⁶
16	12	3.84* ⁶	7.08 ⁶	10.64 ⁶	18.59	25.73 ⁶	9.86 ⁶	13.36 ⁶	23.09 ⁶	27.40 ⁶
	16	3.48* ⁶	6.72 ⁶	10.25 ⁶	18.20	25.63 ⁶	9.73 ⁶	13.23 ⁶	22.94 ⁶	27.26 ⁶
	24	2.77* ⁶	6.03 ⁶	9.50 ⁶	17.45	25.44 ⁶	9.47 ⁶	12.97 ⁶	22.65 ⁶	26.99 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	11.29 ⁶	16.23 ⁶	26.70 ⁶	35.85 ⁶
	16	11.26 ⁶	16.20 ⁶	26.67 ⁶	35.82 ⁶
	24	11.20 ⁶	16.13 ⁶	26.60 ⁶	35.75 ⁶
9	12	11.22 ⁶	16.15 ⁶	26.60 ⁶	35.69 ⁶
	16	11.19 ⁶	16.11 ⁶	26.56 ⁶	35.65 ⁶
	24	11.10 ⁶	16.03 ⁶	26.47 ⁶	35.57 ⁶
10	12	11.15 ⁶	16.06 ⁶	26.48 ⁶	35.50 ⁶
	16	11.10 ⁶	16.00 ⁶	26.42 ⁶	35.45 ⁶
	24	11.00 ⁶	15.90 ⁶	26.32 ⁶	35.35 ⁶
12	12	10.94 ⁶	15.81 ⁶	26.16 ⁶	34.99 ⁶
	16	10.87 ⁶	15.73 ⁶	26.08 ⁶	34.91 ⁶
	24	10.73 ⁶	15.58 ⁶	25.93 ⁶	34.76 ⁶
14	12	10.68 ⁶	15.47 ⁶	25.73 ⁶	34.31 ⁶
	16	10.58 ⁶	15.37 ⁶	25.62 ⁶	34.21 ⁶
	24	10.39 ⁶	15.17 ⁶	25.41 ⁶	34.00 ⁶
16	12	10.34 ⁶	15.06 ⁶	25.02 ⁶	33.49 ⁶
	16	10.22 ⁶	14.92 ⁶	24.87 ⁶	33.35 ⁶
	24	9.97 ⁶	14.65 ⁶	24.58 ⁶	33.06 ⁶

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0

Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 15psf Lateral Load



Wall Ht. (ft)	Spacing (in) o.c.	1200S162-mils (Fy)			1200S200-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	4.85* ⁶	6.53 ⁶	10.28 ⁶	6.57* ⁶	9.54 ⁶	15.34 ⁶
	16	4.80* ⁶	6.48 ⁶	10.24 ⁶	6.51* ⁶	9.47 ⁶	15.28 ⁶
	24	4.69* ⁶	6.38 ⁶	10.15 ⁶	6.39* ⁶	9.35 ⁶	15.16 ⁶
9	12	4.81* ⁶	6.49 ⁶	10.25 ⁶	6.52* ⁶	9.48 ⁶	15.29 ⁶
	16	4.74* ⁶	6.42 ⁶	10.19 ⁶	6.45* ⁶	9.41 ⁶	15.21 ⁶
	24	4.61* ⁶	6.30 ⁶	10.07 ⁶	6.30* ⁶	9.25 ⁶	15.06 ⁶
10	12	4.76* ⁶	6.44 ⁶	10.20 ⁶	6.47* ⁶	9.43 ⁶	15.23 ⁶
	16	4.68* ⁶	6.36 ⁶	10.13 ⁶	6.38* ⁶	9.33 ⁶	15.14 ⁶
	24	4.51* ⁶	6.21 ⁶	9.99 ⁶	6.19* ⁶	9.13 ⁶	14.95 ⁶
12	12	4.65* ⁶	6.33 ⁶	10.10 ⁶	6.35* ⁶	9.29 ⁶	15.10 ⁶
	16	4.53* ⁶	6.22 ⁶	10.00 ⁶	6.21* ⁶	9.14 ⁶	14.96 ⁶
	24	4.29* ⁶	6.00 ⁶	9.79 ⁶	5.95* ⁶	8.86 ⁶	14.68 ⁶
14	12	4.51* ⁶	6.20 ⁶	9.98 ⁶	6.20* ⁶	9.12 ⁶	14.93 ⁶
	16	4.35* ⁶	6.05 ⁶	9.83 ⁶	6.02* ⁶	8.92 ⁶	14.74 ⁶
	24	4.02* ⁶	5.74 ⁶	9.54 ⁶	5.66* ⁶	8.52 ⁶	14.35 ⁶
16	12	4.35* ⁶	6.05 ⁶	9.83 ⁶	6.04* ⁶	8.92 ⁶	14.73 ⁶
	16	4.13* ⁶	5.84 ⁶	9.64 ⁶	5.80* ⁶	8.65 ⁶	14.47 ⁶
	24	3.70* ⁶	5.43 ⁶	9.25 ⁶	5.33* ⁶	8.13 ⁶	13.95 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1200S250-mils (Fy)			1200S300-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	7.57 ⁶	10.97	19.35 ⁶	10.57* ⁶	14.48 ⁶	24.72 ⁶
	16	7.50 ⁶	10.91	19.28 ⁶	10.55* ⁶	14.45 ⁶	24.69 ⁶
	24	7.38 ⁶	10.77	19.13 ⁶	10.50* ⁶	14.40 ⁶	24.64 ⁶
9	12	7.52 ⁶	10.92	19.29 ⁶	10.55* ⁶	14.46 ⁶	24.70 ⁶
	16	7.44 ⁶	10.83	19.20 ⁶	10.52* ⁶	14.42 ⁶	24.66 ⁶
	24	7.27 ⁶	10.66	19.01 ⁶	10.46* ⁶	14.36 ⁶	24.60 ⁶
10	12	7.46 ⁶	10.85	19.22 ⁶	10.53* ⁶	14.43 ⁶	24.67 ⁶
	16	7.36 ⁶	10.75	19.11 ⁶	10.49* ⁶	14.39 ⁶	24.63 ⁶
	24	7.16 ⁶	10.53	18.88 ⁶	10.41* ⁶	14.31 ⁶	24.54 ⁶
12	12	7.33 ⁶	10.71	19.06 ⁶	10.47* ⁶	14.38 ⁶	24.61 ⁶
	16	7.19 ⁶	10.55	18.89 ⁶	10.41* ⁶	14.32 ⁶	24.55 ⁶
	24	6.99 ⁶	10.24	18.56 ⁶	10.30* ⁶	14.20 ⁶	24.43 ⁶
14	12	7.17 ⁶	10.52	18.86 ⁶	10.40* ⁶	14.23 ⁶	24.48 ⁶
	16	6.98 ⁶	10.31	18.62 ⁶	10.32* ⁶	14.15 ⁶	24.39 ⁶
	24	6.59 ⁶	9.88	18.16 ⁶	10.16* ⁶	14.00 ⁶	24.22 ⁶
16	12	6.99 ⁶	10.30	18.61 ⁶	10.32* ⁶	13.98 ⁶	21.11 ⁶
	16	6.74 ⁶	10.02	18.30 ⁶	10.21* ⁶	13.87 ⁶	23.99 ⁶
	24	6.23 ⁶	9.45	17.67 ⁶	10.00* ⁶	13.66 ⁶	23.76 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 20psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	250S137-mils (Fy)					2250S162-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	0.37 ²	0.79 ³	1.43 ⁴	2.03 ⁴	3.35 ⁶	0.56 ³	1.06 ³	1.80 ⁴	2.47 ⁵	3.90 ⁶
	16	0.16 ²	0.57 ²	1.25 ³	1.84 ³	3.11 ⁴	0.32 ²	0.83 ²	1.60 ³	2.26 ⁴	3.66 ⁵
	24	0.00	0.19 ¹	0.92 ²	1.48 ²	2.66 ³	0.00 ¹	0.40 ²	1.24 ²	1.87 ²	3.21 ³
9	12	0.18 ¹	0.54 ²	1.14 ²	1.64 ³	2.70 ⁴	0.33 ²	0.77 ²	1.44 ³	2.01 ⁴	3.19 ⁵
	16	0.00	0.32 ¹	0.94 ²	1.43 ²	2.44 ³	0.09 ¹	0.52 ¹	1.23 ²	1.78 ³	2.93 ⁴
	24	0.00	0.00	0.60 ¹	1.06 ¹	1.99 ²	0.00 ¹	0.09 ¹	0.86 ¹	1.38 ²	2.46 ²
10	12	0.02 ¹	0.34 ¹	0.88 ²	1.30 ²	2.15 ³	0.14 ¹	0.52 ⁴	1.13 ²	1.61 ²	2.59 ³
	16	0.00	0.11 ¹	0.68 ¹	1.09 ¹	1.90 ²	0.00 ¹	0.27 ¹	0.91 ¹	1.38 ²	2.32 ²
	24	0.00	0.00	0.33 ¹	0.71 ¹	1.45 ¹	0.00	0.00	0.54 ¹	0.98 ¹	1.86 ¹
12	12	0.00	0.03	0.48 ¹	0.78 ¹	1.35 ¹	0.00	0.15 ¹	0.65 ¹	1.00 ¹	1.68 ²
	16	0.00	0.00	0.28 ¹	0.57 ¹	1.11 ¹	0.00	0.00	0.44 ¹	0.78 ¹	1.43 ¹
	24	0.00	0.00	0.00	0.22	0.70	0.00	0.00	0.09	0.39	0.99 ¹
14	12	0.00	0.00	0.21	0.43	0.83 ¹	0.00	0.00	0.33	0.59 ¹	1.08 ¹
	16	0.00	0.00	0.03	0.24	0.62	0.00	0.00	0.14	0.38	0.84 ¹
	24	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.03	0.44
16	12	0.00	0.00	0.04	0.20	0.49	0.00	0.00	0.12	0.32	0.68
	16	0.00	0.00	0.00	0.03	0.30	0.00	0.00	0.00	0.13	0.46
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10

Wall Ht. (ft)	Spacing (in) o.c.	350S162-mils (Fy)					350S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.16 ⁶	1.89 ⁶	3.36 ⁶	4.46 ⁶	6.88 ⁶	1.47 ⁶	2.45 ⁶	4.25 ⁶	5.64 ⁶	8.43 ⁶
	16	0.90 ⁶	1.62 ⁶	3.11 ⁶	4.21 ⁶	6.63 ⁶	1.19 ⁵	2.15 ⁶	3.96 ⁶	5.36 ⁶	8.16 ⁶
	24	0.43 ⁴	1.11 ⁵	2.64 ⁶	3.72 ⁶	6.15 ⁶	0.66 ⁴	1.59 ⁴	3.42 ⁶	4.83 ⁶	7.66 ⁶
9	12	0.90 ⁶	1.57 ⁶	2.91 ⁶	3.92 ⁶	6.14 ⁶	1.17 ⁵	2.07 ⁶	3.70 ⁶	4.97 ⁶	7.54 ⁶
	16	0.60 ⁴	1.26 ⁶	2.62 ⁶	3.62 ⁶	5.84 ⁶	0.84 ⁴	1.72 ⁵	3.36 ⁶	4.64 ⁶	7.23 ⁶
	24	0.07 ³	0.69 ⁴	2.08 ⁵	3.06 ⁶	5.28 ⁶	0.25 ²	1.09 ³	2.75 ⁴	4.03 ⁵	6.63 ⁶
10	12	0.64 ⁴	1.25 ⁶	2.45 ⁶	3.37 ⁶	5.37 ⁶	0.87 ³	1.69 ⁵	3.13 ⁶	4.29 ⁶	6.62 ⁶
	16	0.32 ³	0.91 ⁴	2.14 ⁵	3.03 ⁶	5.03 ⁶	0.51 ²	1.31 ³	2.76 ⁴	3.92 ⁵	6.26 ⁶
	24	0.00	0.29 ³	1.56 ³	2.43 ⁴	4.41 ⁶	0.00	0.63 ²	2.10 ³	3.26 ³	5.60 ⁵
12	12	0.18 ²	0.67 ³	1.62 ⁴	2.33 ⁵	3.88 ⁶	0.34 ²	0.99 ²	2.09 ³	3.01 ⁴	4.85 ⁵
	16	0.00	0.30 ²	1.29 ³	1.97 ⁴	3.51 ⁵	0.00	0.59 ²	1.71 ²	2.62 ³	4.46 ⁴
	24	0.00	0.00	0.70 ²	1.35 ²	2.86 ³	0.00	0.00	1.04 ¹	1.94 ²	3.75 ²
14	12	0.00	0.22 ²	1.00 ²	1.54 ³	2.73 ⁴	0.00	0.45 ¹	1.33 ²	2.05 ²	3.48 ³
	16	0.00	0.00	0.68 ²	1.20 ²	2.37 ³	0.00	0.05 ¹	0.96 ¹	1.67 ²	3.09 ²
	24	0.00	0.00	0.13 ¹	0.60 ¹	1.75 ²	0.00	0.00	0.33 ¹	1.01 ¹	2.41 ¹
16	12	0.00	0.00	0.57 ¹	0.98 ²	1.91 ³	0.00	0.07	0.79 ¹	1.36 ¹	2.49 ²
	16	0.00	0.00	0.26 ¹	0.66 ¹	1.58 ²	0.00	0.00	0.45 ¹	1.00 ¹	2.12 ¹
	24	0.00	0.00	0.00	0.11 ¹	0.99 ¹	0.00	0.00	0.00	0.39	1.48 ¹

Wall Ht. (ft)	Spacing (in) o.c.	362S137-mils (Fy)					362S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	0.91 ⁶	1.53 ⁶	2.77 ⁶	3.80 ⁶	5.61 ⁶	1.23 ⁶	1.99 ⁶	3.55 ⁶	4.76 ⁶	7.31 ⁶	9.17 ⁶
	16	0.67 ⁵	1.28 ⁶	2.54 ⁶	3.56 ⁶	5.40 ⁶	0.98 ⁶	1.72 ⁶	3.30 ⁶	4.50 ⁶	7.06 ⁶	8.91 ⁶
	24	0.24 ⁴	0.81 ⁵	2.11 ⁶	3.10 ⁶	4.99 ⁶	0.50 ⁵	1.21 ⁶	2.82 ⁶	4.01 ⁶	6.57 ⁶	8.39 ⁶
9	12	0.68 ⁶	1.26 ⁶	2.43 ⁶	3.37 ⁶	5.37 ⁶	0.97 ⁶	1.68 ⁶	3.12 ⁶	4.23 ⁶	6.58 ⁶	8.26 ⁶
	16	0.41 ⁴	0.97 ⁵	2.16 ⁶	3.08 ⁶	5.09 ⁶	0.67 ⁵	1.36 ⁶	2.82 ⁶	3.92 ⁶	6.28 ⁶	7.84 ⁶
	24	0.00	0.44 ³	1.66 ⁴	2.55 ⁵	4.56 ⁵	0.13 ³	0.78 ⁴	2.27 ⁵	3.34 ⁶	5.71 ⁶	7.33 ⁶
10	12	0.46 ⁴	0.99 ⁵	2.07 ⁶	2.91 ⁶	4.84 ⁶	0.71 ⁵	1.36 ⁶	2.67 ⁶	3.66 ⁶	5.81 ⁶	7.30 ⁶
	16	0.16 ³	0.66 ⁴	1.77 ⁵	2.59 ⁶	4.51 ⁶	0.38 ³	1.01 ⁴	2.34 ⁶	3.32 ⁶	5.46 ⁶	6.93 ⁶
	24	0.00	0.09 ²	1.22 ³	2.01 ⁴	3.91 ⁴	0.00	0.38 ³	1.74 ⁴	2.69 ⁵	4.82 ⁶	6.24 ⁵
12	12	0.06 ²	0.48 ³	1.36 ⁴	2.02 ⁴	3.51 ⁴	0.24 ²	0.76 ³	1.81 ⁴	2.58 ⁵	4.27 ⁶	5.38 ⁶
	16	0.00	0.13 ²	1.04 ³	1.67 ³	3.15 ³	0.00	0.38 ²	1.45 ³	2.20 ⁴	3.88 ⁵	4.98 ⁴
	24	0.00	0.00	0.48 ²	1.06 ²	2.52 ²	0.00	0.00	0.84 ²	1.55 ⁵	3.20 ³	4.24 ³
14	12	0.00	0.08 ²	0.82 ²	1.31 ³	2.45 ²	0.00	0.29 ²	1.14 ²	1.73 ³	3.03 ⁴	3.85 ³
	16	0.00	0.00	0.50 ¹	0.97 ²	2.10 ²	0.00	0.00	0.79 ²	1.36 ²	2.66 ³	3.45 ³
	24	0.00	0.00	0.00	0.39 ¹	1.49 ¹	0.00	0.00	0.21 ¹	0.73 ¹	2.00 ²	2.75 ²
16	12	0.00	0.00	0.42 ¹	0.80 ²	1.69 ¹	0.00	0.00	0.66 ¹	1.12 ²	2.14 ³	2.76 ²
	16	0.00	0.00	0.13 ¹	0.49 ²	1.36 ¹	0.00	0.00	0.34 ¹	0.77 ¹	1.78 ²	2.38 ²
	24	0.00	0.00	0.00	0.00 ¹	0.80	0.00	0.00	0.00	0.19 ¹	1.17 ¹	1.73 ¹

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Wall	Spacing (in) o.c.	362S200-mils (Fy)						362S250-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.55 ⁶	2.56 ⁶	4.49 ⁶	6.01 ⁶	8.95 ⁶	11.05 ⁶	2.95 ⁶	5.08 ⁶	7.01 ⁶	10.41 ⁶	12.79 ⁶
	16	1.27 ⁶	2.27 ⁶	4.20 ⁶	5.72 ⁶	8.68 ⁶	10.77 ⁶	2.63 ⁶	4.77 ⁶	6.69 ⁶	10.13 ⁶	12.51 ⁶
	24	0.74 ⁵	1.71 ⁶	3.65 ⁶	5.18 ⁶	8.17 ⁶	10.24 ⁶	2.03 ⁶	4.19 ⁶	6.08 ⁶	9.59 ⁶	11.96 ⁶
9	12	1.25 ⁶	2.19 ⁶	3.94 ⁶	5.34 ⁶	8.07 ⁶	9.98 ⁶	2.57 ⁶	4.55 ⁶	6.24 ⁶	9.43 ⁶	11.62 ⁶
	16	0.92 ⁶	1.85 ⁶	3.60 ⁶	5.00 ⁶	7.75 ⁶	9.65 ⁶	2.19 ⁶	4.18 ⁶	5.86 ⁶	9.09 ⁶	11.28 ⁶
	24	0.32 ⁴	1.21 ⁵	2.97 ⁶	4.37 ⁶	7.14 ⁶	9.01 ⁶	1.49 ⁴	3.49 ⁶	5.15 ⁶	8.44 ⁶	10.62 ⁶
10	12	0.95 ⁶	1.82 ⁶	3.38 ⁶	4.65 ⁶	7.15 ⁶	8.87 ⁶	2.17 ⁶	3.99 ⁶	5.45 ⁶	8.40 ⁶	10.39 ⁶
	16	0.59 ⁴	1.43 ⁵	3.00 ⁶	4.27 ⁶	6.78 ⁶	8.48 ⁶	1.74 ⁴	3.57 ⁶	5.02 ⁶	8.01 ⁶	9.99 ⁶
	24	0.00	0.74 ³	2.32 ⁴	3.58 ⁵	6.10 ⁶	7.76 ⁶	0.97 ³	2.81 ³	4.24 ⁴	7.28 ⁶	9.24 ⁶
12	12	0.41 ³	1.11 ⁴	2.32 ⁵	3.32 ⁶	5.32 ⁶	6.65 ⁶	1.37 ³	2.79 ⁴	3.93 ⁵	6.35 ⁶	7.93 ⁶
	16	0.01 ²	0.69 ³	1.92 ⁴	2.91 ⁵	4.91 ⁶	6.21 ⁵	0.89 ²	2.33 ³	3.47 ⁴	5.91 ⁵	7.47 ⁶
	24	0.00	0.00	1.21 ²	2.19 ³	4.17 ⁴	5.42 ³	0.06 ¹	1.53 ²	2.64 ²	5.10 ³	6.63 ⁴
14	12	0.00	0.54 ²	1.49 ³	2.28 ⁴	3.85 ⁵	4.84 ⁴	0.71 ²	1.82 ²	2.72 ³	4.66 ⁴	5.88 ⁵
	16	0.00	0.12 ²	1.10 ²	1.88 ³	3.44 ⁴	4.41 ³	0.23 ¹	1.38 ²	2.26 ²	4.20 ³	5.41 ⁴
	24	0.00	0.00	0.43 ¹	1.18 ²	2.71 ²	3.64 ²	0.00 ¹	0.61 ¹	1.46 ¹	3.40 ²	4.57 ²
16	12	0.00	0.12 ¹	0.91 ²	1.53 ²	2.77 ³	3.54 ³	0.22 ¹	1.14 ¹	1.85 ²	3.41 ³	4.37 ³
	16	0.00	0.00	0.54 ¹	1.15 ²	2.38 ²	3.12 ²	0.00	0.72 ¹	1.41 ¹	2.97 ²	3.91 ²
	24	0.00	0.00	0.00	0.50 ¹	1.70 ¹	2.40 ¹	0.00	0.00	0.66 ¹	2.21 ¹	3.11 ¹

Wall	Spacing (in) o.c.	362S300-mils (Fy)				362S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	5.17 ⁶	8.40 ⁶	12.59 ⁶	14.50 ⁶	7.05 ⁶	10.24 ⁶	15.26 ⁶	18.71 ⁶
	16	4.87 ⁶	8.06 ⁶	12.27 ⁶	14.22 ⁶	6.72 ⁶	9.88 ⁶	14.90 ⁶	18.39 ⁶
	24	4.31 ⁶	7.41 ⁶	11.64 ⁶	13.67 ⁶	6.08 ⁶	9.18 ⁶	14.19 ⁶	17.57 ⁶
9	12	4.66 ⁶	7.64 ⁶	11.40 ⁶	13.23 ⁶	6.38 ⁶	9.28 ⁶	13.82 ⁶	17.04 ⁶
	16	4.30 ⁶	7.23 ⁶	11.01 ⁶	12.89 ⁶	5.98 ⁶	8.84 ⁶	13.37 ⁶	16.64 ⁶
	24	3.63 ⁵	6.45 ⁶	10.25 ⁶	12.22 ⁶	5.22 ⁶	8.00 ⁶	12.51 ⁶	15.87 ⁶
10	12	4.12 ⁶	6.75 ⁶	10.16 ⁶	11.90 ⁶	5.67 ⁶	8.26 ⁶	13.31 ⁶	15.30 ⁶
	16	3.71 ⁶	6.28 ⁶	9.70 ⁶	11.50 ⁶	5.21 ⁶	7.75 ⁶	11.79 ⁶	14.83 ⁶
	24	2.96 ⁴	5.41 ⁵	8.85 ⁶	10.73 ⁶	4.36 ⁴	6.81 ⁶	10.82 ⁶	13.93 ⁶
12	12	3.08 ⁴	4.93 ⁶	7.71 ⁶	9.22 ⁶	4.24 ⁵	6.15 ⁶	9.37 ⁶	11.84 ⁶
	16	2.59 ³	4.41 ⁴	7.19 ⁶	8.73 ⁶	3.71 ⁴	5.58 ⁵	8.77 ⁶	11.26 ⁶
	24	1.74 ²	3.48 ³	6.24 ⁴	7.85 ⁵	2.77 ²	4.56 ³	7.69 ⁶	10.26 ⁶
14	12	2.11 ³	3.46 ⁴	5.65 ⁵	6.93 ⁵	2.96 ³	4.35 ⁴	6.86 ⁶	8.84 ⁶
	16	1.62 ²	2.94 ³	5.12 ⁴	6.43 ⁴	2.43 ²	3.79 ³	6.26 ⁴	8.27 ⁵
	24	0.76 ¹	2.05 ²	4.19 ²	5.54 ³	1.51 ¹	2.81 ¹	5.20 ³	7.26 ³
16	12	1.34 ²	2.39 ²	4.15 ³	5.22 ⁴	2.00 ²	3.06 ³	5.04 ⁴	6.65 ⁵
	16	0.87 ¹	1.90 ²	3.63 ²	4.72 ³	1.49 ¹	2.53 ²	4.47 ³	6.10 ³
	24	0.07 ¹	1.07 ¹	2.75 ¹	3.86 ²	0.62 ¹	1.62 ¹	3.47 ²	5.12 ²

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 20psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	400S137-mils (Fy)					400S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.06 ⁶	1.74 ⁶	3.14 ⁶	4.41 ⁶	6.05 ⁶	1.42 ⁶	2.25 ⁶	4.04 ⁶	5.57 ⁶	8.54 ⁶	10.67 ⁶
	16	0.83 ⁶	1.50 ⁶	2.92 ⁶	4.18 ⁶	5.86 ⁶	1.17 ⁶	1.99 ⁶	3.79 ⁶	5.31 ⁶	8.30 ⁶	10.41 ⁶
	24	0.40 ⁵	1.04 ⁶	2.50 ⁶	3.72 ⁶	5.49 ⁶	0.70 ⁶	1.50 ⁶	3.32 ⁶	4.81 ⁶	7.82 ⁶	9.90 ⁶
9	12	0.84 ⁶	1.49 ⁶	2.83 ⁶	4.07 ⁶	5.84 ⁶	1.17 ⁶	1.95 ⁶	3.64 ⁶	5.08 ⁶	7.87 ⁶	9.84 ⁶
	16	0.57 ⁵	1.20 ⁶	2.56 ⁶	3.77 ⁶	5.60 ⁶	0.87 ⁶	1.64 ⁶	3.34 ⁶	4.76 ⁶	7.56 ⁶	9.51 ⁶
	24	0.07 ⁵	0.67 ⁴	2.06 ⁶	3.21 ⁶	5.12 ⁶	0.33 ⁴	1.07 ⁵	2.78 ⁶	4.16 ⁶	6.98 ⁶	8.89 ⁶
10	12	0.62 ³	1.22 ⁶	2.49 ⁶	3.62 ⁶	5.59 ⁶	0.90 ⁶	1.64 ⁶	3.21 ⁶	4.54 ⁶	7.12 ⁶	8.90 ⁶
	16	0.31 ⁵	0.89 ⁵	2.18 ⁶	3.28 ⁶	5.27 ⁶	0.57 ⁴	1.29 ⁶	2.87 ⁶	4.17 ⁶	6.75 ⁶	8.52 ⁶
	24	0.00 ⁴	0.30 ³	1.61 ⁴	2.65 ⁵	4.68 ⁵	0.00	0.64 ⁴	2.24 ⁵	3.48 ⁶	6.08 ⁶	7.80 ⁶
12	12	0.19 ³	0.70 ⁴	1.78 ⁵	2.67 ⁶	4.57 ⁶	0.41 ³	1.03 ⁴	2.33 ⁵	3.38 ⁶	5.52 ⁶	6.93 ⁶
	16	0.00	0.32 ³	1.42 ³	2.27 ⁴	4.17 ⁴	0.04 ²	0.62 ³	1.94 ⁴	2.96 ⁵	5.09 ⁶	6.47 ⁶
	24	0.00	0.00	0.79 ²	1.58 ³	3.45 ³	0.00	0.00	1.25 ⁴	2.20 ³	4.32 ⁴	5.64 ⁴
14	12	0.00	0.25 ²	1.15 ³	1.82 ³	3.30 ³	0.01	0.50 ³	1.56 ²	2.35 ⁴	4.04 ⁶	5.10 ⁵
	16	0.00	0.00	0.79 ²	1.42 ²	2.90 ³	0.00	0.08 ²	1.16 ³	1.92 ³	3.60 ⁴	4.64 ³
	24	0.00	0.00	0.16 ¹	0.73 ¹	2.19 ²	0.00	0.00	0.48 ¹	1.18 ²	2.84 ³	3.82 ²
16	12	0.00	0.00	0.67 ²	1.17 ²	2.34 ²	0.00	0.09	0.98 ²	1.58 ³	2.91 ⁴	3.72 ³
	16	0.00	0.00	0.32 ¹	0.80 ¹	1.95 ²	0.00	0.00	0.60 ¹	1.17 ²	2.49 ³	3.28 ²
	24	0.00	0.00	0.00	0.15 ¹	1.29 ¹	0.00	0.00	0.00	0.48 ¹	1.77 ²	2.51 ¹

Wall Ht. (ft)	Spacing (in) o.c.	400S200-mils (Fy)					400S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.76 ⁶	2.88 ⁶	5.10 ⁶	6.97 ⁶	10.45 ⁶	12.85 ⁶	3.25 ⁶	5.59 ⁶	7.95 ⁶	12.15 ⁶	14.87 ⁶
	16	1.48 ⁶	2.60 ⁶	4.82 ⁶	6.69 ⁶	10.19 ⁶	12.58 ⁶	2.95 ⁶	5.30 ⁶	7.64 ⁶	11.87 ⁶	14.60 ⁶
	24	0.97 ⁶	2.06 ⁶	4.28 ⁶	6.14 ⁶	9.68 ⁶	12.06 ⁶	2.38 ⁶	4.74 ⁶	7.04 ⁶	11.33 ⁶	14.06 ⁶
9	12	1.47 ⁶	2.53 ⁶	4.59 ⁶	6.36 ⁶	9.62 ⁶	11.86 ⁶	2.90 ⁶	5.16 ⁶	7.35 ⁶	11.21 ⁶	13.76 ⁶
	16	1.15 ⁶	2.19 ⁶	4.25 ⁶	6.01 ⁶	9.30 ⁶	11.52 ⁶	2.54 ⁶	4.80 ⁶	6.97 ⁶	10.87 ⁶	13.42 ⁶
	24	0.55 ⁵	1.56 ⁶	3.61 ⁶	5.35 ⁶	8.67 ⁶	10.87 ⁶	1.85 ⁵	4.12 ⁶	6.24 ⁶	10.20 ⁶	12.75 ⁶
10	12	1.18 ⁶	2.17 ⁶	4.05 ⁶	5.69 ⁶	8.71 ⁶	10.76 ⁶	2.52 ⁶	4.64 ⁶	6.65 ⁶	10.19 ⁶	12.56 ⁶
	16	0.81 ⁵	1.78 ⁶	3.66 ⁶	5.29 ⁶	8.33 ⁶	10.36 ⁶	2.10 ⁵	4.22 ⁶	6.19 ⁶	9.78 ⁶	12.14 ⁶
	24	0.15 ³	1.07 ⁴	2.94 ⁶	4.54 ⁶	7.61 ⁶	9.61 ⁶	1.33 ³	3.44 ⁶	5.35 ⁶	9.01 ⁶	11.36 ⁶
12	12	0.61 ⁴	1.44 ⁵	2.96 ⁵	4.31 ⁶	6.82 ⁶	8.48 ⁶	1.75 ⁴	3.54 ⁵	5.07 ⁶	8.07 ⁶	10.03 ⁶
	16	0.20 ³	0.99 ⁴	2.52 ³	3.84 ⁶	6.36 ⁶	7.99 ⁶	1.25 ³	3.03 ³	4.54 ⁶	7.57 ⁶	9.52 ⁶
	24	0.00	0.20 ²	1.73 ⁴	3.00 ⁴	5.52 ⁵	7.11 ⁴	0.36 ²	2.14 ⁴	3.59 ⁴	6.66 ⁵	8.58 ⁵
14	12	0.14 ²	0.81 ³	2.01 ³	3.05 ⁵	5.06 ⁶	6.35 ⁶	1.03 ²	2.44 ³	3.62 ⁵	6.08 ⁶	7.63 ⁶
	16	0.00	0.35 ²	1.57 ²	2.58 ⁴	4.59 ⁵	5.84 ⁴	0.51 ²	1.93 ²	3.08 ⁴	5.55 ⁵	7.09 ⁵
	24	0.00	0.00	0.79 ²	1.76 ²	3.75 ³	4.96 ³	0.00	1.04 ²	2.15 ²	4.63 ³	6.12 ³
16	12	0.00	0.32 ²	1.30 ²	2.10 ³	3.71 ⁴	4.70 ⁴	0.46 ¹	1.60 ²	2.52 ³	4.51 ⁴	5.73 ⁴
	16	0.00	0.00	0.87 ²	1.65 ²	3.25 ³	4.22 ³	0.00	1.11 ²	2.00 ²	4.00 ³	5.20 ³
	24	0.00	0.00	0.14 ¹	0.89 ¹	2.46 ²	3.38 ²	0.00	0.27 ¹	1.12 ¹	3.11 ²	4.27 ²

Wall Ht. (ft)	Spacing (in) o.c.	400S300-mils (Fy)				400S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	7.20 ⁶	10.16 ⁶	15.08 ⁶	18.44 ⁶	7.72 ⁶	11.33 ⁶	17.46 ⁶	21.35 ⁶
	16	6.89 ⁶	9.82 ⁶	14.75 ⁶	18.14 ⁶	7.41 ⁶	10.99 ⁶	17.10 ⁶	21.04 ⁶
	24	6.30 ⁶	9.16 ⁶	14.12 ⁶	17.56 ⁶	6.81 ⁶	10.33 ⁶	16.41 ⁶	20.43 ⁶
9	12	6.60 ⁶	9.38 ⁶	13.88 ⁶	17.06 ⁶	7.12 ⁶	10.54 ⁶	16.09 ⁶	19.79 ⁶
	16	6.22 ⁶	8.95 ⁶	13.48 ⁶	16.69 ⁶	6.74 ⁶	10.11 ⁶	15.65 ⁶	19.39 ⁶
	24	5.51 ⁶	8.15 ⁶	12.70 ⁶	15.97 ⁶	6.01 ⁶	9.30 ⁶	14.79 ⁶	18.63 ⁶
10	12	5.95 ⁶	8.43 ⁶	12.61 ⁶	15.58 ⁶	6.47 ⁶	9.64 ⁶	14.63 ⁶	18.11 ⁶
	16	5.50 ⁶	7.94 ⁶	12.13 ⁶	15.13 ⁶	6.02 ⁶	9.12 ⁶	14.10 ⁶	17.63 ⁶
	24	4.69 ⁶	7.02 ⁶	11.22 ⁶	14.28 ⁶	5.17 ⁶	8.17 ⁶	13.10 ⁶	16.72 ⁶
12	12	4.60 ⁶	6.51 ⁶	9.98 ⁶	12.51 ⁶	5.10 ⁶	7.67 ⁶	11.63 ⁶	14.62 ⁶
	16	4.07 ⁴	5.92 ⁶	9.39 ⁶	11.95 ⁶	4.54 ⁵	7.04 ⁶	10.98 ⁶	14.02 ⁶
	24	3.12 ³	4.87 ⁴	8.32 ⁵	10.91 ⁶	3.54 ³	5.91 ⁴	9.79 ⁶	12.91 ⁶
14	12	3.34 ⁴	4.73 ⁵	7.53 ⁶	9.59 ⁶	3.77 ⁴	5.66 ⁵	8.83 ⁶	11.30 ⁶
	16	2.79 ³	4.13 ³	6.92 ⁵	8.99 ⁶	3.18 ³	5.01 ⁴	8.17 ⁶	10.65 ⁶
	24	1.83 ²	3.10 ²	5.83 ³	7.92 ⁴	2.15 ²	3.88 ²	6.93 ⁴	9.48 ⁴
16	12	2.29 ²	3.35 ³	5.59 ⁴	7.26 ⁵	2.67 ³	4.05 ³	6.57 ⁵	8.58 ⁶
	16	1.76 ²	2.79 ²	4.99 ³	6.67 ⁴	2.09 ²	3.44 ²	5.90 ⁴	7.94 ⁴
	24	0.86 ¹	1.81 ¹	3.96 ²	5.63 ²	1.09 ¹	2.38 ¹	4.75 ²	6.82 ²

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Wall	Spacing (in) o.c.	550S162-mils (Fy)					550S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.93 ⁶	2.95 ⁶	5.22 ⁶	7.06 ⁶	10.93 ⁶	2.33 ⁶	3.70 ⁶	6.70 ⁶	9.15 ⁶	14.56 ⁶
	16	1.74 ⁶	2.77 ⁶	5.05 ⁶	6.89 ⁶	10.76 ⁶	2.12 ⁶	3.48 ⁶	6.49 ⁶	8.95 ⁶	14.35 ⁶
	24	1.35 ⁶	2.41 ⁶	4.70 ⁶	6.55 ⁶	10.41 ⁶	1.73 ⁶	3.06 ⁶	6.06 ⁶	8.55 ⁶	13.95 ⁶
9	12	1.75 ⁶	2.77 ⁶	5.03 ⁶	6.90 ⁶	10.76 ⁶	2.13 ⁶	3.70 ⁶	6.38 ⁶	8.79 ⁶	14.08 ⁶
	16	1.50 ⁶	2.54 ⁶	4.80 ⁶	6.67 ⁶	10.53 ⁶	1.88 ⁶	3.48 ⁶	6.11 ⁶	8.53 ⁶	13.81 ⁶
	24	1.03 ⁶	2.09 ⁶	4.36 ⁶	6.23 ⁶	10.08 ⁶	1.38 ⁶	3.06 ⁶	5.57 ⁶	8.02 ⁶	13.29 ⁶
10	12	1.54 ⁶	2.56 ⁶	4.76 ⁶	6.69 ⁶	10.55 ⁶	1.91 ⁶	3.20 ⁶	6.01 ⁶	8.37 ⁶	13.51 ⁶
	16	1.24 ⁶	2.28 ⁶	4.48 ⁶	6.40 ⁶	10.26 ⁶	1.60 ⁶	2.87 ⁶	5.67 ⁶	8.05 ⁶	13.17 ⁶
	24	0.69 ⁶	1.74 ⁶	3.95 ⁶	5.85 ⁶	9.69 ⁶	1.02 ⁵	2.24 ⁶	5.03 ⁶	7.42 ⁶	12.53 ⁶
12	12	1.08 ⁶	2.07 ⁶	4.10 ⁶	5.91 ⁶	9.96 ⁶	1.42 ⁶	2.59 ⁶	5.12 ⁶	7.34 ⁶	12.08 ⁶
	16	0.70 ⁵	1.69 ⁶	3.72 ⁶	5.51 ⁶	9.51 ⁶	1.02 ⁴	2.15 ⁶	4.67 ⁶	6.89 ⁶	11.60 ⁶
	24	0.00	0.99 ⁵	3.01 ⁶	4.76 ⁶	8.67 ⁶	0.28 ³	1.34 ⁴	3.83 ⁵	6.05 ⁶	10.70 ⁶
14	12	0.61 ⁴	1.53 ⁶	3.34 ⁶	4.97 ⁶	8.55 ⁶	0.91 ⁴	1.94 ⁵	4.14 ⁴	6.15 ⁶	10.37 ⁶
	16	0.17 ³	1.08 ⁴	2.88 ⁵	4.48 ⁶	7.99 ⁶	0.44 ³	1.42 ³	3.61 ³	5.61 ⁵	9.77 ⁶
	24	0.00	0.26 ³	2.05 ³	3.59 ⁴	6.96 ⁶	0.00	0.48 ²	2.63 ²	4.61 ³	8.66 ⁶
16	12	0.18 ²	1.00 ⁴	2.57 ⁵	3.97 ⁶	7.03 ⁶	0.43 ²	1.31 ³	3.19 ⁴	4.94 ⁵	8.58 ⁶
	16	0.00	0.51 ³	2.07 ³	3.44 ⁴	6.40 ⁶	0.00	0.74 ²	2.60 ³	4.34 ⁴	7.90 ⁶
	24	0.00	0.00	1.19 ²	2.48 ³	5.29 ⁴	0.00	0.00	1.58 ²	3.28 ²	6.69 ⁴

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 20psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	600S137-mils (Fy)					600S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.42 ⁶	2.17 ⁶	3.53 ⁶	4.77 ⁶	7.30 ⁶	2.00 ⁶	3.02 ⁶	5.25 ⁶	7.10 ⁶	11.06 ⁶	13.88 ⁶
	16	1.27 ⁶	2.02 ⁶	3.40 ⁶	4.65 ⁶	7.20 ⁶	1.82 ⁶	2.85 ⁶	5.10 ⁶	6.95 ⁶	10.91 ⁶	13.72 ⁶
	24	0.97 ⁶	1.73 ⁶	3.15 ⁶	4.40 ⁶	6.99 ⁶	1.47 ⁶	2.53 ⁶	4.79 ⁶	6.65 ⁶	10.61 ⁶	13.42 ⁶
9	12	1.29 ⁶	2.04 ⁶	3.41 ⁶	4.66 ⁶	7.21 ⁶	1.85 ⁶	2.87 ⁶	5.11 ⁶	6.96 ⁶	10.91 ⁶	13.73 ⁶
	16	1.10 ⁶	1.85 ⁶	3.25 ⁶	4.50 ⁶	7.07 ⁶	1.62 ⁶	2.66 ⁶	4.91 ⁶	6.76 ⁶	10.72 ⁶	13.53 ⁶
	24	0.73 ⁶	1.48 ⁶	2.93 ⁶	4.18 ⁶	6.80 ⁶	1.18 ⁶	2.25 ⁶	4.51 ⁶	6.38 ⁶	10.34 ⁶	13.13 ⁶
10	12	1.15 ⁶	1.90 ⁶	3.28 ⁶	4.53 ⁶	7.09 ⁶	1.67 ⁶	2.71 ⁶	4.94 ⁶	6.79 ⁶	10.74 ⁶	13.55 ⁶
	16	0.92 ⁶	1.67 ⁶	3.08 ⁶	4.33 ⁶	6.92 ⁶	1.40 ⁶	2.45 ⁶	4.69 ⁶	6.55 ⁶	10.50 ⁶	13.29 ⁶
	24	0.47 ⁶	1.22 ⁶	2.69 ⁶	3.94 ⁶	6.58 ⁶	0.86 ⁶	1.94 ⁶	4.20 ⁶	6.06 ⁶	10.01 ⁶	12.78 ⁶
12	12	0.82 ⁶	1.56 ⁶	2.97 ⁶	4.21 ⁶	6.80 ⁶	1.25 ⁶	2.28 ⁶	4.48 ⁶	6.37 ⁶	10.29 ⁶	13.06 ⁶
	16	0.50 ⁶	1.24 ⁶	2.68 ⁶	3.92 ⁶	6.54 ⁶	0.88 ⁶	1.92 ⁶	4.11 ⁶	6.00 ⁶	9.91 ⁶	12.66 ⁶
	24	0.00	0.63 ⁵	2.13 ⁶	3.36 ⁶	6.03 ⁶	0.19 ⁴	1.24 ⁶	3.43 ⁶	5.29 ⁶	9.18 ⁶	11.88 ⁶
14	12	0.46 ⁵	1.17 ⁶	2.59 ⁶	3.81 ⁶	6.42 ⁶	0.79 ⁶	1.78 ⁶	3.78 ⁶	5.58 ⁶	9.63 ⁶	12.36 ⁶
	16	0.07 ³	0.76 ⁵	2.21 ⁶	3.42 ⁶	6.05 ⁶	0.35 ⁴	1.33 ⁵	3.33 ⁶	5.10 ⁶	9.09 ⁶	11.78 ⁶
	24	0.00	0.01 ³	1.50 ⁴	2.68 ⁵	5.35 ⁶	0.00	0.52 ³	2.49 ⁴	4.21 ⁶	8.09 ⁶	10.69 ⁶
16	12	0.09 ³	0.76 ⁴	2.15 ⁵	3.33 ⁶	5.92 ⁶	0.35 ⁴	1.26 ⁵	3.03 ⁶	4.63 ⁶	8.21 ⁶	10.88 ⁶
	16	0.00	0.28 ³	1.69 ⁴	2.84 ⁵	5.44 ⁶	0.00	0.75 ³	2.52 ⁴	4.08 ⁶	7.58 ⁶	10.16 ⁶
	24	0.00	0.00	0.85 ²	1.95 ³	4.56 ⁴	0.00	0.00	1.60 ³	3.09 ⁴	6.44 ⁵	8.87 ⁴

Wall Ht. (ft)	Spacing (in) o.c.	600S200-mils (Fy)					600S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.43 ⁶	3.86 ⁶	7.01 ⁶	9.55 ⁶	15.23 ⁶	19.60 ⁶	4.19 ⁶	7.21 ⁶	10.58 ⁶	17.81 ⁶	22.88 ⁶
	16	2.25 ⁶	3.66 ⁶	6.81 ⁶	9.36 ⁶	15.04 ⁶	19.41 ⁶	3.99 ⁶	7.01 ⁶	10.37 ⁶	17.60 ⁶	22.67 ⁶
	24	1.88 ⁶	3.27 ⁶	6.42 ⁶	9.00 ⁶	14.67 ⁶	19.02 ⁶	3.59 ⁶	6.63 ⁶	9.96 ⁶	17.19 ⁶	22.26 ⁶
9	12	2.26 ⁶	3.65 ⁶	6.73 ⁶	9.25 ⁶	14.84 ⁶	19.24 ⁶	3.98 ⁶	6.95 ⁶	10.24 ⁶	17.31 ⁶	22.29 ⁶
	16	2.02 ⁶	3.40 ⁶	6.48 ⁶	9.01 ⁶	14.60 ⁶	18.98 ⁶	3.72 ⁶	6.70 ⁶	9.97 ⁶	17.04 ⁶	22.01 ⁶
	24	1.56 ⁶	2.91 ⁶	5.98 ⁶	8.54 ⁶	14.12 ⁶	18.47 ⁶	3.22 ⁶	6.22 ⁶	9.45 ⁶	16.51 ⁶	21.48 ⁶
10	12	2.06 ⁶	3.41 ⁶	6.41 ⁶	8.89 ⁶	14.37 ⁶	18.66 ⁶	3.74 ⁶	6.65 ⁶	9.84 ⁶	16.72 ⁶	21.57 ⁶
	16	1.77 ⁶	3.11 ⁶	6.10 ⁶	8.59 ⁶	14.06 ⁶	18.33 ⁶	3.43 ⁶	6.34 ⁶	9.51 ⁶	16.38 ⁶	21.23 ⁶
	24	1.22 ⁶	2.51 ⁶	5.49 ⁶	8.01 ⁶	13.47 ⁶	17.69 ⁶	2.82 ⁶	5.75 ⁶	8.86 ⁶	15.72 ⁶	20.55 ⁶
12	12	1.60 ⁶	2.86 ⁶	5.63 ⁶	8.00 ⁶	13.16 ⁶	17.15 ⁶	3.19 ⁶	5.93 ⁶	8.88 ⁶	15.26 ⁶	19.79 ⁶
	16	1.22 ⁶	2.44 ⁶	5.19 ⁶	7.58 ⁶	12.72 ⁶	16.67 ⁶	2.76 ⁶	5.50 ⁶	8.41 ⁶	14.77 ⁶	19.28 ⁶
	24	0.50 ⁵	1.66 ⁶	4.37 ⁶	6.77 ⁶	11.86 ⁶	15.73 ⁶	1.94 ⁶	4.69 ⁶	7.51 ⁶	13.82 ⁶	18.30 ⁶
14	12	1.11 ⁶	2.24 ⁶	4.71 ⁶	6.92 ⁶	11.64 ⁶	15.22 ⁶	2.57 ⁶	5.10 ⁶	7.75 ⁶	13.49 ⁶	17.61 ⁶
	16	0.64 ⁵	1.73 ⁶	4.18 ⁶	6.38 ⁶	11.06 ⁶	14.57 ⁶	2.02 ⁶	4.56 ⁶	7.15 ⁶	12.84 ⁶	16.93 ⁶
	24	0.00	0.79 ⁴	3.19 ⁵	5.39 ⁶	9.97 ⁶	13.37 ⁶	1.03 ⁴	3.56 ⁵	6.02 ⁶	11.64 ⁶	15.66 ⁶
16	12	0.62 ⁴	1.62 ⁶	3.76 ⁶	5.75 ⁶	9.94 ⁶	13.05 ⁶	1.92 ⁶	4.26 ⁶	6.56 ⁶	11.55 ⁶	15.19 ⁶
	16	0.10 ³	1.04 ⁴	3.16 ⁵	5.13 ⁶	9.25 ⁶	12.28 ⁶	1.29 ⁴	3.62 ⁵	5.84 ⁶	10.79 ⁶	14.37 ⁶
	24	0.00	0.01 ³	2.09 ³	4.03 ⁴	8.01 ⁵	10.90 ⁵	0.17 ³	2.47 ³	4.56 ⁴	9.40 ⁵	12.90 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	600S300-mils (Fy)				600S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	9.25 ⁶	12.56 ⁶	21.59 ⁶	27.56 ⁶	9.78 ⁶	14.28 ⁶	23.49 ⁶	31.27 ⁶
	16	9.04 ⁶	12.35 ⁶	21.36 ⁶	27.34 ⁶	9.57 ⁶	14.06 ⁶	23.25 ⁶	31.04 ⁶
	24	8.62 ⁶	11.93 ⁶	20.89 ⁶	26.90 ⁶	9.17 ⁶	13.62 ⁶	22.79 ⁶	30.59 ⁶
9	12	8.93 ⁶	12.18 ⁶	20.94 ⁶	26.78 ⁶	9.45 ⁶	13.87 ⁶	22.88 ⁶	30.37 ⁶
	16	8.66 ⁶	11.91 ⁶	20.63 ⁶	26.50 ⁶	9.19 ⁶	13.59 ⁶	22.58 ⁶	30.08 ⁶
	24	8.13 ⁶	11.38 ⁶	20.03 ⁶	25.94 ⁶	8.68 ⁶	13.03 ⁶	21.98 ⁶	29.49 ⁶
10	12	8.55 ⁶	11.74 ⁶	20.17 ⁶	25.88 ⁶	9.07 ⁶	13.39 ⁶	22.19 ⁶	29.34 ⁶
	16	8.22 ⁶	11.41 ⁶	19.79 ⁶	25.52 ⁶	8.75 ⁶	13.41 ⁶	21.81 ⁶	28.97 ⁶
	24	7.57 ⁶	10.75 ⁶	19.04 ⁶	24.81 ⁶	8.13 ⁶	12.35 ⁶	21.06 ⁶	28.23 ⁶
12	12	7.66 ⁶	10.77 ⁶	18.35 ⁶	23.71 ⁶	8.19 ⁶	12.26 ⁶	20.58 ⁶	26.90 ⁶
	16	7.19 ⁶	10.28 ⁶	17.79 ⁶	23.18 ⁶	7.74 ⁶	11.75 ⁶	20.01 ⁶	26.35 ⁶
	24	6.29 ⁶	9.35 ⁶	16.73 ⁶	22.15 ⁶	6.87 ⁶	10.78 ⁶	18.91 ⁶	25.27 ⁶
14	12	6.62 ⁶	9.72 ⁶	16.21 ⁶	21.14 ⁶	7.17 ⁶	10.92 ⁶	18.54 ⁶	24.05 ⁶
	16	6.03 ⁶	9.06 ⁶	15.48 ⁶	20.43 ⁶	6.59 ⁶	10.25 ⁶	17.77 ⁶	23.30 ⁶
	24	4.92 ⁵	7.85 ⁶	14.12 ⁶	19.09 ⁶	5.50 ⁵	9.00 ⁶	16.33 ⁶	21.89 ⁶
16	12	5.51 ⁶	8.36 ⁶	13.91 ⁶	18.34 ⁶	6.07 ⁶	9.44 ⁶	15.98 ⁶	20.95 ⁶
	16	4.81 ⁵	7.58 ⁶	13.04 ⁶	17.47 ⁶	5.38 ⁵	8.63 ⁶	15.05 ⁶	20.03 ⁶
	24	3.57 ³	6.18 ⁴	11.47 ⁶	15.89 ⁶	4.13 ³	7.18 ⁴	13.38 ⁶	18.36 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Wall	Spacing (in) o.c.	800S137-mils (Fy)					800S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.46* ⁶	2.19 ⁶	3.38 ⁶	4.56 ⁶	7.04 ⁶	2.10* ⁶	3.07 ⁶	5.18 ⁶	7.00 ⁶	11.01 ⁶	14.09 ⁶
	16	1.35* ⁶	2.09 ⁶	3.29 ⁶	4.48 ⁶	6.97 ⁶	1.97* ⁶	2.95 ⁶	5.06 ⁶	6.89 ⁶	10.91 ⁶	14.00 ⁶
	24	1.14* ⁶	1.88 ⁶	3.12 ⁶	4.32 ⁶	6.81 ⁶	1.71* ⁶	2.70 ⁶	4.84 ⁶	6.67 ⁶	10.69 ⁶	13.81 ⁶
9	12	1.37* ⁶	2.10 ⁶	3.31 ⁶	4.49 ⁶	6.98 ⁶	1.99* ⁶	2.97 ⁶	5.08 ⁶	6.90 ⁶	10.92 ⁶	14.01 ⁶
	16	1.24* ⁶	1.97 ⁶	3.20 ⁶	4.39 ⁶	6.88 ⁶	1.83* ⁶	2.81 ⁶	4.94 ⁶	6.76 ⁶	10.78 ⁶	13.89 ⁶
	24	0.96* ⁶	1.71 ⁶	2.98 ⁶	4.18 ⁶	6.68 ⁶	1.50* ⁶	2.50 ⁶	4.65 ⁶	6.48 ⁶	10.51 ⁶	13.65 ⁶
10	12	1.27* ⁶	2.01 ⁶	3.22 ⁶	4.42 ⁶	6.91 ⁶	1.87* ⁶	2.85 ⁶	4.97 ⁶	6.80 ⁶	10.81 ⁶	13.92 ⁶
	16	1.10* ⁶	1.84 ⁶	3.09 ⁶	4.29 ⁶	6.78 ⁶	1.67* ⁶	2.65 ⁶	4.79 ⁶	6.62 ⁶	10.64 ⁶	13.76 ⁶
	24	0.77* ⁶	1.52 ⁶	2.83 ⁶	4.03 ⁶	6.54 ⁶	1.27* ⁶	2.27 ⁶	4.43 ⁶	6.27 ⁶	10.29 ⁶	13.46 ⁶
12	12	1.04* ⁶	1.78 ⁶	3.03 ⁶	4.23 ⁶	6.72 ⁶	1.59* ⁶	2.57 ⁶	4.71 ⁶	6.53 ⁶	10.55 ⁶	13.68 ⁶
	16	0.78* ⁶	1.54 ⁶	2.84 ⁶	4.04 ⁶	6.54 ⁶	1.30* ⁶	2.29 ⁶	4.44 ⁶	6.27 ⁶	10.29 ⁶	13.45 ⁶
	24	0.33* ⁶	1.09 ⁶	2.46 ⁶	3.67 ⁶	6.19 ⁶	0.74* ⁶	1.74 ⁶	3.93 ⁶	5.76 ⁶	9.77 ⁶	12.99 ⁶
14	12	0.77* ⁶	1.51 ⁶	2.80 ⁶	4.00 ⁶	6.50 ⁶	1.25* ⁶	2.24 ⁶	4.38 ⁶	6.20 ⁶	10.20 ⁶	13.37 ⁶
	16	0.45* ⁶	1.19 ⁶	2.54 ⁶	3.74 ⁶	6.25 ⁶	0.87* ⁶	1.86 ⁶	4.02 ⁶	5.84 ⁶	9.84 ⁶	13.04 ⁶
	24	0.00	0.59 ⁶	2.02 ⁶	3.24 ⁶	5.76 ⁶	0.15* ⁵	1.14 ⁶	3.32 ⁶	5.14 ⁶	9.12 ⁶	12.40 ⁶
16	12	0.46* ⁶	1.20 ⁶	2.53 ⁶	3.73 ⁶	6.22 ⁶	0.88* ⁶	1.86 ⁶	3.98 ⁶	5.80 ⁶	9.77 ⁶	12.96 ⁶
	16	0.07* ⁵	0.80 ⁶	2.18 ⁶	3.39 ⁶	5.89 ⁶	0.41* ⁵	1.38 ⁶	3.52 ⁶	5.32 ⁶	9.27 ⁶	12.54 ⁶
	24	0.00	0.06 ⁴	1.53 ⁵	2.73 ⁶	5.24 ⁶	0.00	0.49 ⁵	2.63 ⁶	4.42 ⁶	8.33 ⁶	11.65 ⁶

Wall	Spacing (in) o.c.	800S200-mils (Fy)					800S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.65* ⁶	4.14 ⁶	7.42 ⁶	9.99 ⁶	15.70 ⁶	20.19 ⁶	4.55 ⁶	7.85 ⁶	11.46 ⁶	19.44 ⁶	25.52 ⁶
	16	2.51* ⁶	4.00 ⁶	7.28 ⁶	9.86 ⁶	15.57 ⁶	20.06 ⁶	4.40 ⁶	7.70 ⁶	11.31 ⁶	19.29 ⁶	25.37 ⁶
	24	2.23* ⁶	3.71 ⁶	6.99 ⁶	9.60 ⁶	15.33 ⁶	19.82 ⁶	4.10 ⁶	7.42 ⁶	11.00 ⁶	18.99 ⁶	25.08 ⁶
9	12	2.53* ⁶	4.02 ⁶	7.30 ⁶	9.88 ⁶	15.59 ⁶	20.08 ⁶	4.41 ⁶	7.69 ⁶	11.28 ⁶	19.22 ⁶	25.31 ⁶
	16	2.36* ⁶	3.84 ⁶	7.11 ⁶	9.71 ⁶	15.43 ⁶	19.92 ⁶	4.22 ⁶	7.51 ⁶	11.09 ⁶	19.03 ⁶	25.11 ⁶
	24	2.01* ⁶	3.47 ⁶	6.75 ⁶	9.38 ⁶	15.11 ⁶	19.60 ⁶	3.84 ⁶	7.14 ⁶	10.70 ⁶	18.65 ⁶	24.73 ⁶
10	12	2.40* ⁶	3.88 ⁶	7.15 ⁶	9.75 ⁶	15.46 ⁶	19.95 ⁶	4.25 ⁶	7.51 ⁶	11.08 ⁶	18.96 ⁶	24.95 ⁶
	16	2.18* ⁶	3.65 ⁶	6.92 ⁶	9.54 ⁶	15.26 ⁶	19.75 ⁶	4.02 ⁶	7.28 ⁶	10.84 ⁶	18.72 ⁶	24.71 ⁶
	24	1.75* ⁶	3.20 ⁶	6.47 ⁶	9.12 ⁶	14.85 ⁶	19.35 ⁶	3.55 ⁶	6.83 ⁶	10.35 ⁶	18.24 ⁶	24.23 ⁶
12	12	2.09* ⁶	3.55 ⁶	6.81 ⁶	9.42 ⁶	15.14 ⁶	19.62 ⁶	3.87 ⁶	7.05 ⁶	10.57 ⁶	18.30 ⁶	24.01 ⁶
	16	1.78* ⁶	3.22 ⁶	6.47 ⁶	9.11 ⁶	14.83 ⁶	19.32 ⁶	3.53 ⁶	6.73 ⁶	10.21 ⁶	17.94 ⁶	23.65 ⁶
	24	1.17* ⁶	2.57 ⁶	5.81 ⁶	8.49 ⁶	14.22 ⁶	18.71 ⁶	2.87 ⁶	6.08 ⁶	9.50 ⁶	17.23 ⁶	22.93 ⁶
14	12	1.71* ⁶	3.11 ⁶	6.28 ⁶	8.94 ⁶	14.71 ⁶	19.18 ⁶	3.42 ⁶	6.48 ⁶	9.85 ⁶	17.31 ⁶	22.72 ⁶
	16	1.30* ⁶	2.67 ⁶	5.82 ⁶	8.51 ⁶	14.27 ⁶	18.74 ⁶	2.96 ⁶	6.04 ⁶	9.36 ⁶	16.81 ⁶	22.21 ⁶
	24	0.52* ⁶	1.83 ⁶	4.94 ⁶	7.66 ⁶	13.41 ⁶	17.87 ⁶	2.10 ⁶	5.18 ⁶	8.42 ⁶	15.84 ⁶	21.22 ⁶
16	12	1.28* ⁶	2.59 ⁶	5.55 ⁶	8.12 ⁶	13.78 ⁶	18.35 ⁶	2.89 ⁶	5.81 ⁶	8.94 ⁶	15.96 ⁶	21.09 ⁶
	16	0.78* ⁶	2.05 ⁶	4.98 ⁶	7.57 ⁶	13.20 ⁶	17.75 ⁶	2.33 ⁶	5.25 ⁶	8.33 ⁶	15.32 ⁶	20.42 ⁶
	24	0.00	1.03 ⁶	3.91 ⁶	6.52 ⁶	12.09 ⁶	16.58 ⁶	1.27 ⁶	4.19 ⁶	7.15 ⁶	14.08 ⁶	19.14 ⁶

Wall	Spacing (in) o.c.	800S300-mils (Fy)				800S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	118 (50)
8	12	10.07 ⁶	13.64 ⁶	23.46 ⁶	30.87 ⁶	10.61 ⁶	15.40 ⁶	25.56 ⁶	34.14 ⁶
	16	9.92 ⁶	13.48 ⁶	23.00 ⁶	30.71 ⁶	10.46 ⁶	15.24 ⁶	25.40 ⁶	33.98 ⁶
	24	9.60 ⁶	13.17 ⁶	22.96 ⁶	30.40 ⁶	10.16 ⁶	14.92 ⁶	25.06 ⁶	33.65 ⁶
9	12	9.87 ⁶	13.42 ⁶	23.17 ⁶	30.46 ⁶	10.41 ⁶	15.17 ⁶	25.28 ⁶	33.76 ⁶
	16	9.67 ⁶	13.22 ⁶	22.95 ⁶	30.26 ⁶	10.21 ⁶	14.96 ⁶	25.06 ⁶	33.54 ⁶
	24	9.28 ⁶	12.83 ⁶	22.52 ⁶	29.85 ⁶	9.83 ⁶	14.55 ⁶	24.63 ⁶	33.13 ⁶
10	12	9.64 ⁶	13.16 ⁶	22.83 ⁶	29.97 ⁶	10.17 ⁶	14.89 ⁶	24.94 ⁶	33.30 ⁶
	16	9.39 ⁶	12.91 ⁶	22.55 ⁶	29.71 ⁶	9.93 ⁶	14.63 ⁶	24.67 ⁶	33.03 ⁶
	24	8.90 ⁶	12.42 ⁶	22.02 ⁶	29.20 ⁶	9.45 ⁶	14.12 ⁶	24.13 ⁶	32.51 ⁶
12	12	9.07 ⁶	12.52 ⁶	21.97 ⁶	28.70 ⁶	9.59 ⁶	14.20 ⁶	23.91 ⁶	32.18 ⁶
	16	8.71 ⁶	12.16 ⁶	21.56 ⁶	28.32 ⁶	9.25 ⁶	13.82 ⁶	23.51 ⁶	31.78 ⁶
	24	8.01 ⁶	11.45 ⁶	20.76 ⁶	27.56 ⁶	8.57 ⁶	13.08 ⁶	22.71 ⁶	30.99 ⁶
14	12	8.36 ⁶	11.71 ⁶	20.74 ⁶	27.07 ⁶	8.89 ⁶	13.33 ⁶	22.63 ⁶	30.57 ⁶
	16	7.88 ⁶	11.22 ⁶	20.18 ⁶	26.54 ⁶	8.43 ⁶	12.82 ⁶	22.08 ⁶	30.01 ⁶
	24	6.94 ⁶	10.26 ⁶	19.85 ⁶	25.49 ⁶	7.52 ⁶	11.82 ⁶	20.99 ⁶	28.92 ⁶
16	12	7.54 ⁶	10.75 ⁶	19.09 ⁶	25.12 ⁶	8.08 ⁶	12.30 ⁶	21.15 ⁶	28.40 ⁶
	16	6.93 ⁶	10.12 ⁶	18.36 ⁶	24.42 ⁶	7.49 ⁶	11.64 ⁶	20.42 ⁶	27.66 ⁶
	24	5.77 ⁶	8.92 ⁶	16.97 ⁶	23.07 ⁶	6.36 ⁶	10.37 ⁶	19.01 ⁶	26.24 ⁶

Notes:
 • ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
 • ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 20psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	1000S162-mils (Fy)					1000S200-mils (Fy)				
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	3.06 ⁶	5.01 ⁶	6.77 ⁶	10.68 ⁶	13.70 ⁶	4.18 ⁶	7.35 ⁶	9.86 ⁶	15.55 ⁶	20.08 ⁶
	16	2.96 ⁶	4.92 ⁶	6.68 ⁶	10.61 ⁶	13.62 ⁶	4.07 ⁶	7.24 ⁶	9.76 ⁶	15.45 ⁶	19.98 ⁶
	24	2.77 ⁶	4.75 ⁶	6.52 ⁶	10.50 ⁶	13.47 ⁶	3.84 ⁶	7.03 ⁶	9.55 ⁶	15.24 ⁶	19.78 ⁶
9	12	2.98 ⁶	4.94 ⁶	6.70 ⁶	10.62 ⁶	13.63 ⁶	4.09 ⁶	7.26 ⁶	9.78 ⁶	15.46 ⁶	20.00 ⁶
	16	2.58 ⁶	4.83 ⁶	6.59 ⁶	10.52 ⁶	13.54 ⁶	3.94 ⁶	7.12 ⁶	9.64 ⁶	15.33 ⁶	19.87 ⁶
	24	2.61 ⁶	4.61 ⁶	6.39 ⁶	10.32 ⁶	13.34 ⁶	3.66 ⁶	6.84 ⁶	9.37 ⁶	15.07 ⁶	19.61 ⁶
10	12	2.89 ⁶	4.86 ⁶	6.62 ⁶	10.54 ⁶	13.56 ⁶	3.98 ⁶	7.16 ⁶	9.68 ⁶	15.36 ⁶	19.90 ⁶
	16	2.73 ⁶	4.72 ⁶	6.49 ⁶	10.42 ⁶	13.44 ⁶	3.80 ⁶	6.98 ⁶	9.51 ⁶	15.20 ⁶	19.74 ⁶
	24	2.43 ⁶	4.45 ⁶	6.23 ⁶	10.17 ⁶	13.19 ⁶	3.45 ⁶	6.64 ⁶	9.17 ⁶	14.88 ⁶	19.41 ⁶
12	12	2.68 ⁶	4.67 ⁶	6.44 ⁶	10.37 ⁶	13.38 ⁶	3.73 ⁶	6.91 ⁶	9.43 ⁶	15.12 ⁶	19.66 ⁶
	16	2.46 ⁶	4.47 ⁶	6.25 ⁶	10.18 ⁶	13.20 ⁶	3.47 ⁶	6.65 ⁶	9.19 ⁶	14.88 ⁶	19.42 ⁶
	24	2.02 ⁶	4.08 ⁶	5.87 ⁶	9.82 ⁶	12.84 ⁶	2.96 ⁶	6.15 ⁶	8.70 ⁶	14.41 ⁶	18.94 ⁶
14	12	2.42 ⁶	4.44 ⁶	6.21 ⁶	10.14 ⁶	13.16 ⁶	3.43 ⁶	6.60 ⁶	9.13 ⁶	14.82 ⁶	19.35 ⁶
	16	2.13 ⁶	4.16 ⁶	5.95 ⁶	9.89 ⁶	12.91 ⁶	3.08 ⁶	6.25 ⁶	8.79 ⁶	14.49 ⁶	19.01 ⁶
	24	1.54 ⁶	3.63 ⁶	5.43 ⁶	9.38 ⁶	12.40 ⁶	2.39 ⁶	5.56 ⁶	8.12 ⁶	13.82 ⁶	18.34 ⁶
16	12	2.13 ⁶	4.16 ⁶	5.94 ⁶	9.87 ⁶	12.89 ⁶	3.08 ⁶	6.23 ⁶	8.77 ⁶	14.45 ⁶	18.97 ⁶
	16	1.74 ⁶	3.80 ⁶	5.59 ⁶	9.53 ⁶	12.55 ⁶	2.63 ⁶	5.77 ⁶	8.31 ⁶	14.00 ⁶	18.50 ⁶
	24	1.00 ⁶	3.11 ⁶	4.91 ⁶	8.86 ⁶	11.88 ⁶	1.74 ⁶	4.87 ⁶	7.42 ⁶	13.10 ⁶	17.59 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S250-mils (Fy)					1000S300-mils (Fy)			
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	4.69 ⁶	8.01 ⁶	11.65 ⁶	19.65 ⁶	25.69 ⁶	10.46 ⁶	14.14 ⁶	24.34 ⁶	32.39 ⁶
	16	4.59 ⁶	7.90 ⁶	11.53 ⁶	19.54 ⁶	25.58 ⁶	10.33 ⁶	14.01 ⁶	24.21 ⁶	32.26 ⁶
	24	4.33 ⁶	7.67 ⁶	11.30 ⁶	19.32 ⁶	25.36 ⁶	10.09 ⁶	13.77 ⁶	23.95 ⁶	32.02 ⁶
9	12	4.59 ⁶	7.92 ⁶	11.55 ⁶	19.56 ⁶	25.59 ⁶	10.33 ⁶	14.00 ⁶	24.16 ⁶	32.16 ⁶
	16	4.44 ⁶	7.77 ⁶	11.40 ⁶	19.41 ⁶	25.45 ⁶	10.17 ⁶	13.84 ⁶	24.00 ⁶	32.00 ⁶
	24	4.13 ⁶	7.49 ⁶	11.10 ⁶	19.13 ⁶	25.17 ⁶	9.85 ⁶	13.53 ⁶	23.66 ⁶	31.69 ⁶
10	12	4.48 ⁶	7.81 ⁶	11.44 ⁶	19.45 ⁶	25.48 ⁶	10.17 ⁶	13.83 ⁶	23.95 ⁶	31.88 ⁶
	16	4.29 ⁶	7.63 ⁶	11.25 ⁶	19.27 ⁶	25.31 ⁶	9.97 ⁶	13.63 ⁶	23.74 ⁶	31.68 ⁶
	24	3.91 ⁶	7.28 ⁶	10.88 ⁶	18.91 ⁶	24.95 ⁶	9.58 ⁶	13.25 ⁶	23.33 ⁶	31.29 ⁶
12	12	4.22 ⁶	7.56 ⁶	11.16 ⁶	19.18 ⁶	25.22 ⁶	9.78 ⁶	13.41 ⁶	23.41 ⁶	31.15 ⁶
	16	3.94 ⁶	7.29 ⁶	10.89 ⁶	18.91 ⁶	24.95 ⁶	9.50 ⁶	13.13 ⁶	23.10 ⁶	30.85 ⁶
	24	3.40 ⁶	6.77 ⁶	10.34 ⁶	18.38 ⁶	24.42 ⁶	8.93 ⁶	12.57 ⁶	22.49 ⁶	30.28 ⁶
14	12	3.88 ⁶	7.20 ⁶	10.80 ⁶	18.84 ⁶	24.87 ⁶	9.29 ⁶	12.87 ⁶	22.69 ⁶	30.13 ⁶
	16	3.51 ⁶	6.84 ⁶	10.42 ⁶	18.46 ⁶	24.49 ⁶	8.90 ⁶	12.48 ⁶	22.26 ⁶	29.72 ⁶
	24	2.78 ⁶	6.14 ⁶	9.66 ⁶	17.71 ⁶	23.74 ⁶	8.14 ⁶	11.72 ⁶	21.42 ⁶	28.92 ⁶
16	12	3.48 ⁶	6.72 ⁶	10.25 ⁶	18.20 ⁶	24.21 ⁶	8.69 ⁶	12.20 ⁶	21.78 ⁶	28.82 ⁶
	16	3.00 ⁶	6.26 ⁶	9.75 ⁶	17.70 ⁶	23.70 ⁶	8.19 ⁶	11.69 ⁶	21.22 ⁶	28.28 ⁶
	24	2.08 ⁶	5.35 ⁶	8.77 ⁶	16.70 ⁶	22.69 ⁶	7.21 ⁶	10.71 ⁶	20.11 ⁶	27.22 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	11.02 ⁶	15.95 ⁶	26.40 ⁶	35.56 ⁶
	16	10.90 ⁶	15.82 ⁶	26.27 ⁶	35.44 ⁶
	24	10.66 ⁶	15.57 ⁶	26.02 ⁶	35.19 ⁶
9	12	10.88 ⁶	15.58 ⁶	26.22 ⁶	35.33 ⁶
	16	10.73 ⁶	15.63 ⁶	26.06 ⁶	35.17 ⁶
	24	10.42 ⁶	15.31 ⁶	25.73 ⁶	34.84 ⁶
10	12	10.72 ⁶	15.60 ⁶	26.01 ⁶	35.04 ⁶
	16	10.53 ⁶	15.40 ⁶	25.80 ⁶	34.84 ⁶
	24	10.15 ⁶	15.00 ⁶	25.39 ⁶	34.44 ⁶
12	12	10.32 ⁶	15.14 ⁶	25.47 ⁶	34.31 ⁶
	16	10.04 ⁶	14.85 ⁶	25.16 ⁶	34.02 ⁶
	24	9.50 ⁶	14.27 ⁶	24.55 ⁶	33.42 ⁶
14	12	9.82 ⁶	14.56 ⁶	24.76 ⁶	33.37 ⁶
	16	9.44 ⁶	14.15 ⁶	24.33 ⁶	32.95 ⁶
	24	8.71 ⁶	13.36 ⁶	23.49 ⁶	32.12 ⁶
16	12	9.22 ⁶	13.84 ⁶	23.72 ⁶	32.21 ⁶
	16	8.74 ⁶	13.32 ⁶	23.16 ⁶	31.65 ⁶
	24	7.79 ⁶	12.29 ⁶	22.05 ⁶	30.55 ⁶

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0

Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 20psf Lateral Load



Wall Ht. (ft)	Spacing (in) o.c.	1200S162-mils (Fy)			1200S200-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	4.80* ⁶	6.48 ⁶	10.24 ⁶	6.51* ⁶	9.47 ⁶	15.28 ⁶
	16	4.73* ⁶	6.41 ⁶	10.18 ⁶	6.43* ⁶	9.39 ⁶	15.20 ⁶
	24	4.59* ⁶	6.28 ⁶	10.05 ⁶	6.27* ⁶	9.22 ⁶	15.04 ⁶
9	12	4.74* ⁶	6.42 ⁶	10.19 ⁶	6.45* ⁶	9.41 ⁶	15.21 ⁶
	16	4.65* ⁶	6.34 ⁶	10.11 ⁶	6.35* ⁶	9.30 ⁶	15.11 ⁶
	24	4.48* ⁶	6.17 ⁶	9.95 ⁶	6.15* ⁶	9.09 ⁶	14.91 ⁶
10	12	4.68* ⁶	6.36 ⁶	10.13 ⁶	6.38* ⁶	9.33 ⁶	15.14 ⁶
	16	4.57* ⁶	6.26 ⁶	10.03 ⁶	6.25* ⁶	9.20 ⁶	15.01 ⁶
	24	4.35* ⁶	6.05 ⁶	9.84 ⁶	6.01* ⁶	8.93 ⁶	14.76 ⁶
12	12	4.53* ⁶	6.22 ⁶	10.00 ⁶	6.21* ⁶	9.14 ⁶	14.96 ⁶
	16	4.37* ⁶	6.07 ⁶	9.86 ⁶	6.04* ⁶	8.95 ⁶	14.77 ⁶
	24	4.05* ⁶	5.77 ⁶	9.57 ⁶	5.68* ⁶	8.57 ⁶	14.40 ⁶
14	12	4.35* ⁶	6.05 ⁶	9.83 ⁶	6.02* ⁶	8.92 ⁶	14.74 ⁶
	16	4.13* ⁶	5.84 ⁶	8.64 ⁶	5.78* ⁶	8.65 ⁶	14.48 ⁶
	24	3.69* ⁶	5.43 ⁶	9.25 ⁶	5.30* ⁶	8.13 ⁶	13.96 ⁶
16	12	4.13* ⁶	5.84 ⁶	9.64 ⁶	5.80* ⁶	8.65 ⁶	14.47 ⁶
	16	3.85* ⁶	5.57 ⁶	9.38 ⁶	5.48* ⁶	8.30 ⁶	14.12 ⁶
	24	3.28* ⁶	5.03 ⁶	8.87 ⁶	4.85* ⁶	7.61 ⁶	13.43 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1200S250-mils (Fy)			1200S300-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	7.50* ⁶	10.91 ⁶	19.28 ⁶	10.35* ⁶	14.25 ⁶	24.48 ⁶
	16	7.41* ⁶	10.82 ⁶	19.18 ⁶	10.25* ⁶	14.15 ⁶	24.38 ⁶
	24	7.25* ⁶	10.64 ⁶	18.99 ⁶	10.05* ⁶	13.96 ⁶	24.17 ⁶
9	12	7.44* ⁶	10.83 ⁶	19.20 ⁶	10.26* ⁶	14.17 ⁶	24.40 ⁶
	16	7.33* ⁶	10.72 ⁶	19.07 ⁶	10.14* ⁶	14.04 ⁶	24.26 ⁶
	24	7.11* ⁶	10.49 ⁶	18.83 ⁶	10.14* ⁶	13.79 ⁶	24.00 ⁶
10	12	7.36* ⁶	10.75 ⁶	19.11 ⁶	10.17* ⁶	14.08 ⁶	24.30 ⁶
	16	7.23* ⁶	10.61 ⁶	18.95 ⁶	10.01* ⁶	13.92 ⁶	24.13 ⁶
	24	6.96* ⁶	10.32 ⁶	18.65 ⁶	9.70* ⁶	13.61 ⁶	23.80 ⁶
12	12	7.19* ⁶	10.55 ⁶	18.89 ⁶	9.95* ⁶	13.86 ⁶	24.06 ⁶
	16	6.99* ⁶	10.34 ⁶	18.67 ⁶	9.72* ⁶	13.63 ⁶	23.81 ⁶
	24	6.61* ⁶	9.93 ⁶	18.22 ⁶	9.26* ⁶	13.17 ⁶	23.33 ⁶
14	12	6.98* ⁶	10.31 ⁶	18.62 ⁶	9.68* ⁶	13.51 ⁶	23.70 ⁶
	16	6.72* ⁶	10.02 ⁶	18.31 ⁶	9.36* ⁶	13.19 ⁶	23.36 ⁶
	24	6.20* ⁶	9.45 ⁶	17.69 ⁶	8.72* ⁶	12.56 ⁶	22.68 ⁶
16	12	6.74* ⁶	10.02 ⁶	18.30 ⁶	9.35* ⁶	13.03 ⁶	23.08 ⁶
	16	6.40* ⁶	9.63 ⁶	17.88 ⁶	8.93* ⁶	12.61 ⁶	22.62 ⁶
	24	5.72* ⁶	8.88 ⁶	17.06 ⁶	8.09* ⁶	11.79 ⁶	21.72 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 25psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	250S137-mils (Fy)					2250S162-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	0.21 ²	0.63 ²	1.30 ³	1.89 ³	3.17 ⁵	0.38 ²	0.88 ³	1.65 ³	2.31 ⁴	3.72 ⁶
	16	0.00	0.37 ²	1.08 ²	1.65 ²	2.88 ³	0.11 ¹	0.61 ²	1.42 ²	2.06 ³	3.42 ⁴
	24	0.00	0.00	0.70 ¹	1.23 ¹	2.36 ²	0.00 ¹	0.12 ¹	1.00 ¹	1.61 ²	2.90 ³
9	12	0.02 ¹	0.37 ¹	0.99 ²	1.48 ²	2.50 ³	0.14 ¹	0.58 ²	1.28 ²	1.84 ³	2.99 ⁴
	16	0.00	0.11 ¹	0.76 ¹	1.24 ²	2.21 ²	0.00	0.30 ¹	1.04 ¹	1.58 ²	2.69 ³
	24	0.00	0.00	0.37 ¹	0.81 ¹	1.69 ¹	0.00	0.00	0.60 ¹	1.11 ¹	2.15 ²
10	12	0.00	0.16 ¹	0.73 ¹	1.14 ²	1.96 ²	0.00	0.33 ¹	0.97 ¹	1.44 ²	2.39 ³
	16	0.00	0.00	0.50 ¹	0.89 ¹	1.66 ¹	0.00	0.05 ¹	0.72 ¹	1.17 ¹	2.08 ²
	24	0.00	0.00	0.10	0.46 ¹	1.16 ¹	0.00	0.00	0.29	0.71 ¹	1.55 ¹
12	12	0.00	0.00	0.33	0.62 ¹	1.17 ¹	0.00	0.00	0.49 ¹	0.83 ¹	1.49 ¹
	16	0.00	0.00	0.11	0.39	0.90 ¹	0.00	0.00	0.26	0.58 ¹	1.20 ¹
	24	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.14	0.70
14	12	0.00	0.00	0.07	0.28	0.67	0.00	0.00	0.19 ⁰	0.43	0.90 ¹
	16	0.00	0.00	0.00	0.07	0.42	0.00	0.00	0.00	0.20	0.63
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18
16	12	0.00	0.00	0.00	0.07	0.34	0.00	0.00	0.00	0.17	0.51
	16	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.27
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Wall Ht. (ft)	Spacing (in) o.c.	350S162-mils (Fy)					350S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	0.97 ⁶	1.68 ⁶	3.17 ⁶	4.27 ⁶	6.69 ⁶	1.26 ⁶	2.22 ⁶	4.04 ⁶	5.43 ⁶	8.23 ⁶
	16	0.66 ⁵	1.36 ⁶	2.87 ⁶	3.96 ⁶	6.39 ⁶	0.91 ⁴	1.86 ⁵	3.69 ⁶	5.09 ⁶	7.91 ⁶
	24	0.09 ³	0.76 ⁴	2.30 ⁵	3.38 ⁶	5.81 ⁶	0.29 ³	1.20 ³	3.03 ⁴	4.45 ⁵	7.29 ⁶
9	12	0.67 ⁷	1.33 ⁶	2.69 ⁶	3.70 ⁶	5.92 ⁶	0.92 ⁴	1.81 ⁵	3.45 ⁶	4.72 ⁶	7.30 ⁶
	16	0.33 ³	0.96 ⁵	2.34 ⁶	3.34 ⁶	5.56 ⁶	0.53 ³	1.40 ⁴	3.05 ⁵	4.33 ⁶	6.92 ⁶
	24	0.00	0.29 ³	1.71 ⁴	2.68 ⁵	4.88 ⁶	0.00 ²	0.66 ²	2.32 ³	3.60 ⁴	6.20 ⁵
10	12	0.39 ³	0.99 ⁴	2.21 ⁶	3.11 ⁶	5.11 ⁶	0.60 ³	1.40 ⁴	2.85 ⁴	4.01 ⁶	6.35 ⁶
	16	0.02 ²	0.59 ³	1.84 ⁴	2.72 ⁵	4.71 ⁶	0.18 ¹	0.96 ³	2.42 ³	3.58 ⁴	5.92 ⁶
	24	0.00 ²	0.00 ³	1.17 ³	2.02 ³	3.98 ⁴	0.00 ¹	0.17 ²	1.65 ²	2.80 ³	5.14 ⁴
12	12	0.00 ³	0.39 ²	1.37 ³	2.06 ⁴	3.60 ⁵	0.05 ¹	0.68 ²	1.80 ²	2.72 ³	4.55 ⁴
	16	0.00 ²	0.00 ³	0.99 ²	1.65 ³	3.18 ⁴	0.00 ¹	0.22 ¹	1.37 ²	2.27 ²	4.09 ³
	24	0.00 ²	0.00 ²	0.32 ¹	0.94 ²	2.43 ²	0.00	0.00 ¹	0.60 ¹	1.48 ¹	3.28 ²
14	12	0.00 ²	0.00 ²	0.76 ²	1.28 ²	2.46 ³	0.00 ¹	0.15 ¹	1.05 ¹	1.76 ²	3.19 ³
	16	0.00 ²	0.00 ²	0.39 ¹	0.89 ²	2.05 ²	0.00	0.00 ¹	0.63 ¹	1.32 ¹	2.74 ²
	24	0.00 ¹	0.00 ¹	0.00 ¹	0.21 ¹	1.34 ¹	0.00	0.00	0.00	0.58 ¹	1.95 ¹
16	12	0.00 ¹	0.00 ²	0.34 ¹	0.73 ¹	1.66 ²	0.00	0.00	0.53 ¹	1.09 ¹	2.21 ²
	16	0.00 ¹	0.00 ¹	0.00 ¹	0.37 ¹	1.27 ¹	0.00	0.00	0.14	0.68 ¹	1.79 ¹
	24	0.00 ¹	0.00 ¹	0.00 ¹	0.00 ¹	0.61 ¹	0.00	0.00	0.00	0.00	1.06 ¹

Wall Ht. (ft)	Spacing (in) o.c.	362S137-mils (Fy)					362S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	0.73 ⁶	1.34 ⁶	2.60 ⁶	3.61 ⁶	5.45	1.04 ⁶	1.78 ⁶	3.36 ⁶	4.57 ⁶	7.12 ⁶	8.97 ⁶
	16	0.45 ⁵	1.04 ⁶	2.32 ⁶	3.33 ⁶	5.19	0.73 ⁶	1.46 ⁶	3.05 ⁶	4.25 ⁶	6.81 ⁶	8.65 ⁶
	24	0.00	0.49 ⁴	1.81 ⁵	2.78 ⁶	4.69	0.16 ⁴	0.86 ⁵	2.48 ⁶	3.66 ⁶	6.23 ⁶	8.02 ⁶
9	12	0.48 ⁴	1.04 ⁶	2.23 ⁶	3.15 ⁶	5.15	0.74 ⁵	1.44 ⁶	2.89 ⁶	3.99 ⁶	6.35 ⁶	8.02 ⁶
	16	0.16 ³	0.70 ⁴	1.90 ⁵	2.81 ⁶	4.82	0.39 ⁴	1.06 ⁵	2.54 ⁶	3.62 ⁶	5.99 ⁶	7.63 ⁶
	24	0.00	0.07 ³	1.32 ³	2.18 ⁴	4.19	0.00	0.39 ³	1.89 ⁴	2.94 ⁵	5.30 ⁶	6.89 ⁶
10	12	0.23 ³	0.74 ⁴	1.84 ⁵	2.67 ⁶	4.59	0.46 ⁴	1.09 ⁵	2.42 ⁶	3.40 ⁶	5.55 ⁶	7.02 ⁶
	16	0.00	0.37 ³	1.49 ⁴	2.29 ⁵	4.20	0.08 ³	0.68 ³	2.03 ⁴	2.99 ⁵	5.13 ⁶	6.58 ⁶
	24	0.00	0.00	0.85 ²	1.61 ³	3.49	0.00	0.00	1.34 ³	2.26 ⁴	4.38 ⁵	5.76 ⁶
12	12	0.00	0.21 ²	1.12 ³	1.75 ⁴	3.24	0.00	0.47 ³	1.54 ³	2.29 ⁴	3.98 ⁶	5.07 ⁵
	16	0.00	0.00	0.75 ²	1.36 ³	2.82	0.00	0.03 ²	1.13 ²	1.86 ³	3.53 ⁴	4.60 ³
	24	0.00	0.00	0.10 ¹	0.66 ²	2.09	0.00	0.00	0.43 ¹	1.11 ²	2.74 ³	3.75 ²
14	12	0.00	0.00	0.58 ²	1.06 ²	2.18	0.00	0.00	0.87 ²	1.45 ²	2.75 ³	3.55 ³
	16	0.00	0.00	0.22 ¹	0.67 ¹	1.79	0.00	0.00	0.48 ¹	1.04 ²	2.31 ²	3.09 ²
	24	0.00	0.00	0.00 ¹	0.01 ¹	1.09	0.00	0.00	0.00	0.32 ¹	1.56 ¹	2.28 ¹
16	12	0.00	0.00	0.20 ¹	0.56 ¹	1.44	0.00	0.00	0.41 ¹	0.86 ¹	1.87 ²	2.47 ²
	16	0.00	0.00	0.00	0.20 ¹	1.07	0.00	0.00	0.05 ¹	0.47 ¹	1.46 ¹	2.04 ¹
	24	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.77 ¹	1.30 ¹

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Wall	Spacing (in) o.c.	362S200-mils (Fy)						362S250-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.34 ⁶	2.34 ⁶	4.27 ⁶	5.79 ⁶	8.75 ⁶	10.84 ⁶	2.71 ⁶	4.85 ⁶	6.77 ⁶	10.20 ⁶	12.58 ⁶
	16	1.00 ⁶	1.99 ⁶	3.92 ⁶	5.45 ⁶	8.42 ⁶	10.50 ⁶	2.33 ⁶	4.48 ⁶	6.38 ⁶	9.86 ⁶	12.23 ⁶
	24	0.37 ⁴	1.33 ⁶	3.26 ⁶	4.79 ⁶	7.80 ⁶	9.85 ⁶	1.61 ⁵	3.77 ⁶	5.65 ⁶	9.20 ⁶	11.57 ⁶
9	12	1.00 ⁶	1.93 ⁶	3.68 ⁶	5.08 ⁶	7.83 ⁶	9.73 ⁶	2.28 ⁶	4.27 ⁶	5.96 ⁶	9.17 ⁶	11.36 ⁶
	16	0.61 ⁴	1.52 ⁶	3.28 ⁶	4.68 ⁶	7.44 ⁶	9.32 ⁶	1.83 ⁵	3.82 ⁶	5.50 ⁶	8.76 ⁶	10.95 ⁶
	24	0.00	0.78 ⁴	2.54 ⁵	3.93 ⁶	6.71 ⁶	8.55 ⁶	1.01 ³	3.01 ⁴	4.65 ⁵	7.98 ⁶	10.15 ⁶
10	12	0.68 ⁴	1.53 ⁶	3.10 ⁶	4.36 ⁶	6.87 ⁶	8.57 ⁶	1.84 ⁵	3.67 ⁶	5.13 ⁶	8.11 ⁶	10.09 ⁶
	16	0.25 ³	1.07 ⁴	2.65 ⁵	3.91 ⁶	6.43 ⁶	8.11 ⁶	1.34 ³	3.18 ⁴	4.62 ⁶	7.64 ⁶	9.61 ⁶
	24	0.00	0.27 ³	1.86 ³	3.11 ⁴	5.62 ⁶	7.25 ⁵	0.45 ²	2.28 ³	3.71 ³	6.77 ⁵	8.71 ⁶
12	12	0.11 ²	0.79 ³	2.01 ⁴	3.01 ⁵	5.01 ⁶	6.32 ⁶	1.01 ²	2.44 ³	3.58 ⁴	6.02 ⁶	7.58 ⁶
	16	0.00	0.30 ²	1.55 ³	2.53 ⁴	4.53 ⁵	5.80 ⁴	0.46 ²	1.92 ²	3.04 ³	5.49 ⁴	7.04 ⁵
	24	0.00	0.00	0.75 ²	1.70 ²	3.67 ³	4.89 ³	0.00 ¹	1.00 ¹	2.09 ²	4.55 ³	6.05 ³
14	12	0.00	0.22 ²	1.20 ²	1.97 ³	3.53 ⁴	4.51 ³	0.35	1.48 ²	2.37 ²	4.31 ³	5.52 ⁴
	16	0.00	0.00	0.75 ²	1.51 ²	3.06 ³	4.01 ²	0.00	0.98 ¹	1.84 ²	3.79 ²	4.97 ³
	24	0.00	0.00	0.00	0.72 ¹	2.23 ²	3.13 ¹	0.00	0.11 ¹	0.93 ¹	2.88 ¹	4.01 ²
16	12	0.00	0.00	0.63 ¹	1.24 ²	2.47 ³	3.22 ²	0.00	0.82 ¹	1.51 ¹	3.07 ²	4.02 ³
	16	0.00	0.00	0.22 ¹	0.81 ¹	2.02 ²	2.75 ¹	0.00	0.34 ¹	1.02 ¹	2.57 ¹	3.49 ²
	24	0.00	0.00	0.00	0.08 ¹	1.25 ¹	1.93 ¹	0.00	0.00	0.17	1.71 ¹	2.58 ¹

Wall	Spacing (in) o.c.	362S300-mils (Fy)				362S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	6.25 ⁶	8.73 ⁶	12.83 ⁶	15.80 ⁶	6.80 ⁶	9.97 ⁶	14.99 ⁶	18.47 ⁶
	16	5.86 ⁶	8.30 ⁶	12.42 ⁶	15.43 ⁶	6.39 ⁶	9.53 ⁶	14.54 ⁶	18.07 ⁶
	24	5.12 ⁶	7.49 ⁶	11.63 ⁶	14.70 ⁶	5.63 ⁶	8.68 ⁶	13.67 ⁶	17.30 ⁶
9	12	5.54 ⁶	7.72 ⁶	11.52 ⁶	14.29 ⁶	6.08 ⁶	8.94 ⁶	13.48 ⁶	16.74 ⁶
	16	5.07 ⁶	7.21 ⁶	11.03 ⁶	13.82 ⁶	5.59 ⁶	8.41 ⁶	12.93 ⁶	16.25 ⁶
	24	4.21 ⁴	6.26 ⁶	10.09 ⁶	12.95 ⁶	4.69 ⁵	7.42 ⁶	11.90 ⁶	15.32 ⁶
10	12	4.80 ⁶	6.68 ⁶	10.16 ⁶	12.72 ⁶	5.32 ⁶	7.88 ⁶	11.92 ⁶	14.94 ⁶
	16	4.28 ⁵	6.15 ⁶	9.61 ⁶	12.19 ⁶	4.77 ⁵	7.27 ⁶	11.30 ⁶	14.37 ⁶
	24	3.34 ³	5.09 ⁴	8.57 ⁶	11.19 ⁶	3.77 ³	6.17 ⁵	10.14 ⁶	13.31 ⁶
12	12	3.40 ⁴	4.75 ⁵	7.56 ⁶	9.63 ⁶	3.83 ⁴	5.72 ⁶	8.91 ⁶	11.41 ⁶
	16	2.82 ³	4.14 ⁴	6.93 ⁵	9.03 ⁶	3.22 ³	5.05 ⁴	8.21 ⁶	10.75 ⁶
	24	1.81 ²	3.08 ²	5.81 ³	7.92 ⁴	2.14 ²	3.89 ³	6.96 ⁴	9.56 ⁴
14	12	2.18 ²	3.22 ³	5.41 ⁴	7.05 ⁵	2.56 ²	3.92 ³	6.40 ⁵	8.41 ⁶
	16	1.63 ¹	2.63 ²	4.79 ³	6.44 ³	1.95 ²	3.28 ²	5.71 ³	7.74 ⁴
	24	0.69 ¹	1.62 ¹	3.71 ²	5.37 ²	0.90 ¹	2.17 ¹	4.51 ²	6.58 ²
16	12	1.34 ¹	2.14 ²	3.86 ²	5.19 ³	1.62 ¹	2.66 ²	4.60 ³	6.23 ⁴
	16	0.82 ¹	1.59 ¹	3.28 ²	4.61 ²	1.04 ¹	2.05 ¹	3.95 ²	5.59 ³
	24	0.00	0.65 ¹	2.27 ¹	3.59 ¹	0.06	1.03 ¹	2.82 ¹	4.49 ²

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 25psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	400S137-mils (Fy)					400S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	0.89 ⁶	1.56 ⁶	2.98 ⁶	4.24 ⁶	5.91	1.23 ⁶	2.05 ⁶	3.85 ⁶	5.37 ⁶	8.36 ⁶	10.47 ⁶
	16	0.61 ⁶	1.27 ⁶	2.71 ⁶	3.94 ⁶	5.68	0.93 ⁶	1.74 ⁶	3.55 ⁶	5.06 ⁶	8.05 ⁶	10.15 ⁶
	24	0.10 ⁴	0.72 ⁵	2.19 ⁶	3.39 ⁶	5.22	0.37 ⁵	1.15 ⁶	2.98 ⁶	4.45 ⁶	7.47 ⁶	9.54 ⁶
9	12	0.64 ⁶	1.27 ⁶	2.63 ⁶	3.84 ⁶	5.66	0.94 ⁶	1.72 ⁶	3.41 ⁶	4.84 ⁶	7.64 ⁶	9.59 ⁶
	16	0.32 ⁴	0.93 ⁵	2.31 ⁶	3.49 ⁶	5.35	0.59 ⁵	1.35 ⁶	3.06 ⁶	4.45 ⁶	7.26 ⁶	9.20 ⁶
	24	0.00	0.29 ³	1.70 ⁴	2.82 ⁵	4.78	0.00	0.66 ⁴	2.39 ⁵	3.73 ⁶	6.56 ⁶	8.45 ⁶
10	12	0.39 ⁴	0.97 ⁵	2.26 ⁶	3.36 ⁶	5.35	0.65 ⁵	1.38 ⁶	2.95 ⁶	4.26 ⁶	6.84 ⁶	8.61 ⁶
	16	0.03 ³	0.59 ⁴	1.89 ⁵	2.95 ⁶	4.97	0.26 ³	0.96 ⁷	2.54 ⁶	3.82 ⁶	6.41 ⁶	8.15 ⁶
	24	0.00	0.00	1.22 ³	2.21 ⁴	4.27	0.00	0.20 ³	1.81 ⁴	3.01 ⁵	5.60 ⁶	7.29 ⁵
12	12	0.00	0.41 ³	1.51 ⁴	2.37 ⁵	4.26	0.13 ³	0.72 ³	2.03 ⁴	3.06 ⁵	5.19 ⁶	6.58 ⁶
	16	0.00	0.00	1.09 ³	1.91 ³	3.79	0.00	0.25 ²	1.58 ³	2.56 ⁴	4.69 ⁵	6.05 ⁴
	24	0.00	0.00	0.37 ²	1.11 ²	2.96	0.00	0.00	0.78 ²	1.70 ²	3.79 ³	5.09 ³
14	12	0.00	0.00	0.87 ²	1.52 ³	2.99	0.00	0.18 ²	1.26 ²	2.02 ³	3.71 ⁴	4.75 ⁴
	16	0.00	0.00	0.46 ¹	1.06 ²	2.53	0.00	0.00	0.81 ²	1.54 ²	3.20 ³	4.22 ³
	24	0.00	0.00	0.00	0.28 ¹	1.72	0.00	0.00	0.03 ¹	0.70 ¹	2.33 ²	3.28 ²
16	12	0.00	0.00	0.40 ¹	0.89 ²	2.05	0.00	0.00	0.68 ²	1.27 ²	2.59 ³	3.39 ²
	16	0.00	0.00	0.00	0.46 ¹	1.61	0.00	0.00	0.25 ¹	0.81 ¹	2.12 ²	2.88 ²
	24	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.02 ¹	1.30 ¹	2.01 ¹

Wall Ht. (ft)	Spacing (in) o.c.	400S200-mils (Fy)					400S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.55 ⁶	2.67 ⁶	4.89 ⁶	6.76 ⁶	10.25 ⁶	12.65 ⁶	3.03 ⁶	5.37 ⁶	7.72 ⁶	11.94 ⁶	14.67 ⁶
	16	1.22 ⁶	2.32 ⁶	4.55 ⁶	6.41 ⁶	9.93 ⁶	12.32 ⁶	2.66 ⁶	5.02 ⁶	7.34 ⁶	11.60 ⁶	14.33 ⁶
	24	0.60 ⁵	1.67 ⁶	3.89 ⁶	5.75 ⁶	9.31 ⁶	11.67 ⁶	1.97 ⁶	4.34 ⁶	6.61 ⁶	10.94 ⁶	13.66 ⁶
9	12	1.23 ⁶	2.28 ⁶	4.34 ⁶	6.10 ⁶	9.38 ⁶	11.60 ⁶	2.63 ⁶	4.89 ⁶	7.06 ⁶	10.95 ⁶	13.50 ⁶
	16	0.84 ⁶	1.87 ⁶	3.92 ⁶	5.68 ⁶	8.98 ⁶	11.19 ⁶	2.19 ⁶	4.45 ⁶	6.60 ⁶	10.53 ⁶	13.08 ⁶
	24	0.14 ⁴	1.12 ⁵	3.16 ⁶	4.89 ⁶	8.23 ⁶	10.40 ⁶	1.38 ⁴	3.64 ⁵	5.72 ⁶	9.73 ⁶	12.27 ⁶
10	12	0.90 ⁶	1.87 ⁶	3.75 ⁶	5.39 ⁶	8.42 ⁶	10.46 ⁶	2.20 ⁶	4.32 ⁶	6.31 ⁶	9.88 ⁶	12.25 ⁶
	16	0.47 ⁴	1.41 ⁵	3.29 ⁶	4.91 ⁶	7.96 ⁶	9.98 ⁶	1.70 ⁴	3.82 ⁵	5.76 ⁶	9.39 ⁶	11.75 ⁶
	24	0.00	0.58 ³	2.45 ⁴	4.03 ⁵	7.10 ⁶	9.08 ⁶	0.80 ³	2.90 ³	4.77 ⁴	8.47 ⁶	10.80 ⁶
12	12	0.30 ³	1.10 ⁴	2.62 ⁵	3.95 ⁶	6.47 ⁶	8.11 ⁶	1.37 ³	3.16 ⁴	4.66 ⁵	7.69 ⁶	9.64 ⁶
	16	0.00	0.58 ³	2.11 ⁴	3.41 ⁵	5.93 ⁶	7.54 ⁵	0.79 ²	2.57 ³	4.05 ⁴	7.10 ⁵	9.03 ⁶
	24	0.00	0.00	1.20 ²	2.45 ³	4.96 ⁴	6.51 ³	0.00 ¹	1.54 ²	2.95 ²	6.04 ³	7.93 ⁴
14	12	0.00	0.46 ²	1.67 ³	2.69 ⁴	4.70 ⁵	5.96 ⁴	0.63 ²	2.05 ²	3.21 ³	5.68 ⁴	7.22 ⁵
	16	0.00	0.00	1.16 ²	2.15 ³	4.15 ⁴	5.38 ³	0.03 ¹	1.47 ²	2.60 ²	5.07 ³	6.59 ⁴
	24	0.00	0.00	0.28 ¹	1.23 ²	3.20 ²	4.36 ²	0.00 ¹	0.46 ¹	1.53 ¹	4.01 ²	5.47 ²
16	12	0.00	0.00	0.97 ²	1.76 ²	3.36 ³	4.33 ³	0.07 ¹	1.23 ¹	2.13 ²	4.12 ³	5.33 ³
	16	0.00	0.00	0.49 ¹	1.26 ²	2.84 ²	3.78 ²	0.00	0.67 ¹	1.54 ¹	3.54 ²	4.72 ²
	24	0.00	0.00	0.00	0.39 ¹	1.93 ¹	2.82 ¹	0.00	0.00	0.55 ¹	2.53 ¹	3.65 ¹

Wall Ht. (ft)	Spacing (in) o.c.	400S300-mils (Fy)				400S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	5.53 ⁶	8.09 ⁶	12.92 ⁶	16.64 ⁶	7.49 ⁶	11.07 ⁶	17.19 ⁶	21.12 ⁶
	16	5.19 ⁶	7.72 ⁶	12.55 ⁶	16.29 ⁶	7.11 ⁶	10.66 ⁶	16.75 ⁶	20.74 ⁶
	24	4.52 ⁶	7.00 ⁶	11.83 ⁶	15.62 ⁶	6.38 ⁶	9.85 ⁶	15.90 ⁶	19.98 ⁶
9	12	5.02 ⁶	7.47 ⁶	11.96 ⁶	15.38 ⁶	6.83 ⁶	10.22 ⁶	15.76 ⁶	19.49 ⁶
	16	4.60 ⁶	7.01 ⁶	11.50 ⁶	14.95 ⁶	6.37 ⁶	9.70 ⁶	15.21 ⁶	19.01 ⁶
	24	3.80 ⁵	6.13 ⁶	10.62 ⁶	14.12 ⁶	5.49 ⁶	8.71 ⁶	14.17 ⁶	18.08 ⁶
10	12	4.46 ⁶	6.79 ⁶	10.95 ⁶	14.02 ⁶	6.13 ⁶	9.25 ⁶	14.23 ⁶	17.75 ⁶
	16	3.97 ⁶	6.24 ⁶	10.39 ⁶	13.50 ⁶	5.58 ⁶	8.64 ⁶	13.59 ⁶	17.17 ⁶
	24	3.06 ⁴	5.22 ⁵	9.36 ⁶	12.53 ⁶	4.58 ⁴	7.50 ⁶	12.39 ⁶	16.08 ⁶
12	12	3.32 ⁴	5.18 ⁶	8.70 ⁶	11.18 ⁶	4.67 ⁵	7.19 ⁶	11.13 ⁶	14.17 ⁶
	16	2.74 ³	4.53 ⁴	8.02 ⁶	10.54 ⁶	4.03 ⁴	6.46 ⁵	10.36 ⁶	13.45 ⁶
	24	1.69 ²	3.36 ³	6.79 ⁴	9.39 ⁵	2.87 ²	5.15 ³	8.98 ⁵	12.14 ⁶
14	12	2.31 ³	3.71 ⁴	6.44 ⁵	8.49 ⁶	3.32 ³	5.17 ⁴	8.31 ⁶	10.80 ⁶
	16	1.68 ²	3.03 ³	5.74 ⁴	7.83 ⁴	2.64 ²	4.42 ³	7.51 ⁴	10.05 ⁵
	24	0.59 ¹	1.86 ²	4.51 ²	6.64 ³	1.47 ¹	3.14 ²	6.12 ³	8.70 ³
16	12	1.45 ²	2.51 ²	4.68 ³	6.36 ⁴	2.23 ²	3.58 ³	6.06 ⁴	8.09 ⁵
	16	0.83 ¹	1.86 ²	3.99 ²	5.70 ³	1.56 ¹	2.88 ²	5.30 ³	7.36 ³
	24	0.00 ¹	0.74 ¹	2.83 ¹	4.56 ²	0.44 ¹	1.68 ¹	3.99 ²	6.07 ²

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Wall	Spacing (in) o.c.	550S162-mils (Fy)					550S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.79 ⁶	2.82 ⁶	5.09 ⁶	6.93 ⁶	10.80 ⁶	2.17 ⁶	3.54 ⁶	6.54 ⁶	9.00 ⁶	14.40 ⁶
	16	1.54 ⁶	2.59 ⁶	4.87 ⁶	6.72 ⁶	10.58 ⁶	1.92 ⁶	3.27 ⁶	6.27 ⁶	8.75 ⁶	14.15 ⁶
	24	1.07 ⁶	2.14 ⁶	4.44 ⁶	6.30 ⁶	10.16 ⁶	1.43 ⁶	2.75 ⁶	5.75 ⁶	8.25 ⁶	13.65 ⁶
9	12	1.56 ⁶	2.59 ⁶	4.86 ⁶	6.73 ⁶	10.59 ⁶	1.94 ⁶	3.26 ⁶	6.18 ⁶	8.60 ⁶	13.88 ⁶
	16	1.26 ⁶	2.31 ⁶	4.58 ⁶	6.45 ⁶	10.31 ⁶	1.63 ⁶	2.93 ⁶	5.84 ⁶	8.28 ⁶	13.55 ⁶
	24	0.68 ⁶	1.76 ⁶	4.04 ⁶	5.91 ⁶	9.76 ⁶	1.03 ⁶	2.28 ⁶	5.18 ⁶	7.65 ⁶	12.91 ⁶
10	12	1.32 ⁶	2.34 ⁶	4.55 ⁶	6.47 ⁶	10.33 ⁶	1.68 ⁶	2.95 ⁶	5.75 ⁶	8.13 ⁶	13.26 ⁶
	16	0.96 ⁶	2.00 ⁶	4.21 ⁶	6.13 ⁶	9.97 ⁶	1.31 ⁶	2.55 ⁶	5.34 ⁶	7.73 ⁶	12.85 ⁶
	24	0.29 ⁵	1.35 ⁶	3.56 ⁶	5.46 ⁶	9.28 ⁶	0.61 ⁴	1.79 ⁵	4.56 ⁶	6.97 ⁶	12.05 ⁶
12	12	0.79 ⁶	1.78 ⁶	3.82 ⁶	5.61 ⁶	9.62 ⁶	1.12 ⁵	2.26 ⁶	4.78 ⁶	7.00 ⁶	11.72 ⁶
	16	0.34 ⁴	1.33 ⁶	3.36 ⁶	5.13 ⁶	9.08 ⁶	0.64 ³	1.74 ⁴	4.24 ⁶	6.47 ⁶	11.14 ⁶
	24	0.00	0.50 ⁴	2.51 ⁵	4.24 ⁶	8.07 ⁶	0.00 ²	0.78 ³	3.24 ⁴	5.46 ⁵	10.05 ⁶
14	12	0.28 ³	1.19 ⁵	2.99 ⁶	4.59 ⁶	8.13 ⁶	0.55 ³	1.54 ⁴	3.74 ⁵	5.74 ⁶	9.92 ⁶
	16	0.00	0.66 ³	2.45 ⁴	4.02 ⁵	7.46 ⁶	0.00 ²	0.93 ³	3.10 ³	5.09 ⁴	9.20 ⁶
	24	0.00	0.00	1.49 ³	2.98 ³	6.26 ⁵	0.00 ¹	0.00 ²	1.97 ²	3.93 ³	7.90 ⁴
16	12	0.00	0.63 ³	2.19 ⁴	3.56 ⁵	6.56 ⁶	0.04 ²	0.88 ²	2.74 ³	4.49 ⁴	8.06 ⁵
	16	0.00	0.06 ²	1.61 ³	2.94 ³	5.82 ⁵	0.00 ¹	0.22 ²	2.07 ²	3.79 ³	7.27 ⁴
	24	0.00	0.00	0.60 ²	1.84 ²	4.55 ³	0.00 ¹	0.00 ¹	0.90 ¹	2.57 ²	5.88 ²

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 30psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	600S137-mils (Fy)					600S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.31 ⁶	2.06 ⁶	3.43 ⁶	4.68 ⁶	7.22 ⁶	1.87 ⁶	2.89 ⁶	5.14 ⁶	6.99 ⁶	10.94 ⁶	13.76 ⁶
	16	1.12 ⁶	1.87 ⁶	3.27 ⁶	4.52 ⁶	7.09 ⁶	1.64 ⁶	2.69 ⁶	4.94 ⁶	6.80 ⁶	10.76 ⁶	13.57 ⁶
	24	0.75 ⁶	1.51 ⁶	2.96 ⁶	4.22 ⁶	6.83 ⁶	1.21 ⁶	2.28 ⁶	4.56 ⁶	6.43 ⁶	10.39 ⁶	13.19 ⁶
9	12	1.15 ⁶	1.90 ⁶	3.29 ⁶	4.54 ⁶	7.10 ⁶	1.68 ⁶	2.71 ⁶	4.96 ⁶	6.81 ⁶	10.77 ⁶	13.58 ⁶
	16	0.91 ⁶	1.67 ⁶	3.09 ⁶	4.34 ⁶	6.93 ⁶	1.40 ⁶	2.45 ⁶	4.71 ⁶	6.57 ⁶	10.53 ⁶	13.33 ⁶
	24	0.46 ⁶	1.21 ⁶	2.70 ⁶	3.95 ⁶	6.59 ⁶	0.86 ⁶	1.95 ⁶	4.22 ⁶	6.09 ⁶	10.05 ⁶	12.83 ⁶
10	12	0.97 ⁶	1.72 ⁶	3.13 ⁶	4.38 ⁶	6.96 ⁶	1.46 ⁶	2.51 ⁶	4.75 ⁶	6.61 ⁶	10.56 ⁶	13.35 ⁶
	16	0.69 ⁶	1.44 ⁶	2.88 ⁶	4.13 ⁶	6.75 ⁶	1.13 ⁶	2.19 ⁶	4.44 ⁶	6.30 ⁶	10.25 ⁶	13.03 ⁶
	24	0.14 ³	0.89 ⁶	2.40 ⁶	3.65 ⁶	6.32 ⁶	0.48 ⁶	1.58 ⁶	3.84 ⁶	5.71 ⁶	9.65 ⁶	12.40 ⁶
12	12	0.58 ⁶	1.32 ⁶	2.75 ⁶	3.99 ⁶	6.61 ⁶	0.97 ⁶	2.01 ⁶	4.20 ⁶	6.09 ⁶	10.01 ⁶	12.76 ⁶
	16	0.20 ⁵	0.93 ⁶	2.40 ⁶	3.64 ⁶	6.28 ⁶	0.53 ⁵	1.58 ⁶	3.77 ⁶	5.64 ⁶	9.54 ⁶	12.27 ⁶
	24	0.00	0.20 ⁴	1.73 ⁵	2.95 ⁶	5.66 ⁶	0.00	0.76 ⁵	2.94 ⁶	4.79 ⁶	8.66 ⁶	11.32 ⁶
14	12	0.16 ⁴	0.86 ⁵	2.30 ⁶	3.51 ⁶	6.14 ⁶	0.45 ⁴	1.44 ⁶	3.44 ⁶	5.21 ⁶	9.22 ⁶	11.92 ⁶
	16	0.00	0.38 ⁴	1.84 ⁵	3.04 ⁶	5.70 ⁶	0.00	0.91 ⁴	2.90 ⁵	4.64 ⁶	8.58 ⁶	11.22 ⁶
	24	0.00	0.00	1.00 ³	2.16 ⁴	4.86 ⁵	0.00	0.00	1.92 ³	3.60 ⁴	7.39 ⁶	9.93 ⁵
16	12	0.00	0.39 ³	1.80 ⁴	2.96 ⁵	5.56 ⁶	0.00	0.87 ⁴	2.64 ⁵	4.21 ⁶	7.74 ⁶	10.34 ⁶
	16	0.00	0.00	1.25 ³	2.38 ⁴	4.99 ⁵	0.00	0.29 ³	2.04 ³	3.57 ⁴	6.99 ⁶	9.50 ⁵
	24	0.00	0.00	0.28 ²	1.35 ²	3.95 ³	0.00	0.00	0.98 ²	2.42 ³	5.67 ⁴	8.00 ³

Wall Ht. (ft)	Spacing (in) o.c.	600S200-mils (Fy)					600S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.29 ⁶	3.71 ⁶	6.86 ⁶	9.41 ⁶	15.09 ⁶	19.46 ⁶	4.04 ⁶	7.06 ⁶	10.43 ⁶	17.65 ⁶	22.73 ⁶
	16	2.06 ⁶	3.46 ⁶	6.61 ⁶	9.18 ⁶	14.86 ⁶	19.21 ⁶	3.79 ⁶	6.82 ⁶	10.17 ⁶	17.39 ⁶	22.47 ⁶
	24	1.60 ⁶	2.98 ⁶	6.12 ⁶	8.72 ⁶	14.40 ⁶	18.73 ⁶	3.29 ⁶	6.35 ⁶	9.65 ⁶	16.88 ⁶	21.95 ⁶
9	12	2.08 ⁶	3.46 ⁶	6.54 ⁶	9.07 ⁶	14.66 ⁶	19.05 ⁶	3.79 ⁶	6.76 ⁶	10.04 ⁶	17.11 ⁶	22.08 ⁶
	16	1.79 ⁶	3.15 ⁶	6.23 ⁶	8.78 ⁶	14.36 ⁶	18.73 ⁶	3.47 ⁶	6.46 ⁶	9.71 ⁶	16.77 ⁶	21.74 ⁶
	24	1.23 ⁶	2.55 ⁶	5.61 ⁶	8.19 ⁶	13.77 ⁶	18.09 ⁶	2.85 ⁶	5.87 ⁶	9.06 ⁶	16.12 ⁶	21.08 ⁶
10	12	1.84 ⁶	3.18 ⁶	6.17 ⁶	8.67 ⁶	14.14 ⁶	18.41 ⁶	3.51 ⁶	6.42 ⁶	9.59 ⁶	16.47 ⁶	21.31 ⁶
	16	1.49 ⁶	2.81 ⁶	5.79 ⁶	8.30 ⁶	13.76 ⁶	18.01 ⁶	3.12 ⁶	6.05 ⁶	9.18 ⁶	16.05 ⁶	20.89 ⁶
	24	0.82 ⁶	2.08 ⁶	5.05 ⁶	7.59 ⁶	13.03 ⁶	17.22 ⁶	2.38 ⁶	5.32 ⁶	8.39 ⁶	15.24 ⁶	20.05 ⁶
12	12	1.31 ⁶	2.55 ⁶	5.30 ⁶	7.68 ⁶	12.83 ⁶	16.78 ⁶	2.87 ⁶	5.61 ⁶	8.53 ⁶	14.89 ⁶	19.41 ⁶
	16	0.85 ⁶	2.04 ⁶	4.78 ⁶	7.17 ⁶	12.28 ⁶	16.19 ⁶	2.34 ⁶	5.09 ⁶	7.95 ⁶	14.29 ⁶	18.78 ⁶
	24	0.00	1.10 ⁵	3.79 ⁶	6.20 ⁶	11.25 ⁶	15.06 ⁶	1.35 ⁴	4.11 ⁵	6.86 ⁶	13.15 ⁶	17.59 ⁶
14	12	0.76 ⁵	1.86 ⁶	4.31 ⁶	6.51 ⁶	11.20 ⁶	14.73 ⁶	2.16 ⁵	4.69 ⁶	7.29 ⁶	13.00 ⁶	17.09 ⁶
	16	0.21 ⁴	1.25 ⁵	3.67 ⁶	5.87 ⁶	10.50 ⁶	13.96 ⁶	1.51 ⁴	4.05 ⁵	6.57 ⁶	12.23 ⁶	16.28 ⁶
	24	0.00	0.14 ³	2.51 ⁴	4.70 ⁵	9.21 ⁶	12.53 ⁶	0.34 ²	2.86 ³	5.24 ⁴	10.80 ⁶	14.76 ⁶
16	12	0.23 ³	1.18 ⁴	3.31 ⁶	5.28 ⁶	9.42 ⁶	12.47 ⁶	1.44 ³	3.78 ⁴	6.02 ⁵	10.97 ⁶	14.57 ⁶
	16	0.00	0.50 ³	2.61 ⁴	4.57 ⁵	8.61 ⁶	11.57 ⁶	0.71 ²	3.03 ³	5.18 ⁴	10.07 ⁶	13.61 ⁶
	24	0.00	0.00	1.37 ³	3.28 ³	7.16 ⁵	9.96 ⁴	0.00 ¹	1.70 ²	3.70 ³	8.47 ⁴	11.88 ⁴

Wall Ht. (ft)	Spacing (in) o.c.	600S300-mils (Fy)				600S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	7.36 ⁶	10.59 ⁶	18.82 ⁶	24.70 ⁶	9.62 ⁶	14.11 ⁶	23.31 ⁶	31.10 ⁶
	16	7.12 ⁶	10.34 ⁶	18.54 ⁶	24.43 ⁶	9.37 ⁶	13.84 ⁶	23.02 ⁶	30.82 ⁶
	24	6.65 ⁶	9.84 ⁶	17.98 ⁶	23.90 ⁶	8.87 ⁶	13.30 ⁶	22.44 ⁶	30.25 ⁶
9	12	7.06 ⁶	10.22 ⁶	18.23 ⁶	24.03 ⁶	9.25 ⁶	13.66 ⁶	22.65 ⁶	30.15 ⁶
	16	6.76 ⁶	9.90 ⁶	17.87 ⁶	23.68 ⁶	8.93 ⁶	13.31 ⁶	22.28 ⁶	29.78 ⁶
	24	6.16 ⁶	9.28 ⁶	17.16 ⁶	23.00 ⁶	8.30 ⁶	12.62 ⁶	21.53 ⁶	29.05 ⁶
10	12	6.71 ⁶	9.80 ⁶	17.55 ⁶	23.25 ⁶	8.83 ⁶	13.13 ⁶	21.91 ⁶	29.06 ⁶
	16	6.34 ⁶	9.41 ⁶	17.10 ⁶	22.81 ⁶	8.44 ⁶	12.69 ⁶	21.43 ⁶	28.60 ⁶
	24	5.61 ⁶	8.64 ⁶	16.21 ⁶	21.96 ⁶	7.67 ⁶	11.84 ⁶	20.50 ⁶	27.68 ⁶
12	12	5.90 ⁶	8.82 ⁶	15.91 ⁶	21.38 ⁶	7.85 ⁶	11.88 ⁶	20.15 ⁶	26.48 ⁶
	16	5.38 ⁶	8.27 ⁶	15.26 ⁶	20.74 ⁶	7.30 ⁶	11.26 ⁶	19.45 ⁶	25.80 ⁶
	24	4.40 ⁶	7.20 ⁶	14.01 ⁶	19.50 ⁶	6.25 ⁶	10.07 ⁶	18.11 ⁶	24.50 ⁶
14	12	4.97 ⁶	7.70 ⁶	13.99 ⁶	19.20 ⁶	6.73 ⁶	10.41 ⁶	17.96 ⁶	23.49 ⁶
	16	4.32 ⁵	6.98 ⁶	13.14 ⁶	18.34 ⁶	6.03 ⁶	9.61 ⁶	17.04 ⁶	22.58 ⁶
	24	3.12 ³	5.64 ⁵	11.57 ⁶	16.72 ⁶	4.73 ⁴	8.12 ⁵	15.31 ⁶	20.89 ⁶
16	12	3.99 ⁵	6.48 ⁶	11.95 ⁶	16.55 ⁶	5.55 ⁶	8.83 ⁶	15.28 ⁶	20.26 ⁶
	16	3.25 ³	5.63 ⁵	10.95 ⁶	15.52 ⁶	4.74 ⁴	7.88 ⁵	14.19 ⁶	19.17 ⁶
	24	1.89 ²	4.10 ³	9.16 ⁴	13.65 ⁵	3.28 ³	6.18 ³	12.23 ⁵	17.21 ⁶

Notes: • ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
 • ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Wall	Spacing (in) o.c.	800S137-mils (Fy)					800S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.38* ⁶	2.11 ⁶	3.31 ⁶	4.50 ⁶	6.98 ⁶	2.00* ⁶	2.98 ⁶	5.09 ⁶	6.92 ⁶	10.93 ⁶	14.02 ⁶
	16	1.24* ⁶	1.98 ⁶	3.21 ⁶	4.40 ⁶	6.89 ⁶	1.84* ⁶	2.82 ⁶	4.95 ⁶	6.78 ⁶	10.80 ⁶	13.91 ⁶
	24	0.97* ⁶	1.72 ⁶	3.00 ⁶	4.20 ⁶	6.70 ⁶	1.52* ⁶	2.52 ⁶	4.67 ⁶	6.51 ⁶	10.53 ⁶	13.67 ⁶
9	12	1.27* ⁶	2.01 ⁶	3.22 ⁶	4.42 ⁶	6.90 ⁶	1.87* ⁶	2.85 ⁶	4.97 ⁶	6.80 ⁶	10.82 ⁶	13.92 ⁶
	16	1.09* ⁶	1.84 ⁶	3.09 ⁶	4.29 ⁶	6.78 ⁶	1.66* ⁶	2.65 ⁶	4.79 ⁶	6.62 ⁶	10.64 ⁶	13.77 ⁶
	24	0.75* ⁶	1.51 ⁶	2.82 ⁶	4.03 ⁶	6.54 ⁶	1.26* ⁶	2.26 ⁶	4.44 ⁶	6.27 ⁶	10.30 ⁶	13.47 ⁶
10	12	1.14* ⁶	1.88 ⁶	3.12 ⁶	4.32 ⁶	6.81 ⁶	1.72* ⁶	2.70 ⁶	4.84 ⁶	6.66 ⁶	10.68 ⁶	13.80 ⁶
	16	0.93* ⁶	1.68 ⁶	2.96 ⁶	4.16 ⁶	6.66 ⁶	1.47* ⁶	2.46 ⁶	4.61 ⁶	6.44 ⁶	10.46 ⁶	13.61 ⁶
	24	0.52* ⁶	1.28 ⁶	2.63 ⁶	3.84 ⁶	6.36 ⁶	0.97* ⁶	1.98 ⁶	4.17 ⁶	6.01 ⁶	10.03 ⁶	13.23 ⁶
12	12	0.85* ⁶	1.60 ⁶	2.89 ⁶	4.09 ⁶	6.59 ⁶	1.37* ⁶	2.36 ⁶	4.51 ⁶	6.34 ⁶	10.35 ⁶	13.51 ⁶
	16	0.56* ⁶	1.31 ⁶	2.65 ⁶	3.86 ⁶	6.37 ⁶	1.02* ⁶	2.01 ⁶	4.18 ⁶	6.02 ⁶	10.03 ⁶	13.22 ⁶
	24	0.00* ⁶	0.75 ⁶	2.17 ⁶	3.40 ⁶	5.92 ⁶	0.33* ⁶	1.34 ⁶	3.55 ⁶	5.38 ⁶	9.39 ⁶	12.66 ⁶
14	12	0.52* ⁶	1.27 ⁶	2.60 ⁶	3.81 ⁶	6.31 ⁶	0.97* ⁶	1.96 ⁶	4.11 ⁶	5.93 ⁶	9.93 ⁶	13.12 ⁶
	16	0.14* ⁶	0.89 ⁶	2.28 ⁶	3.49 ⁶	6.00 ⁶	0.51* ⁶	1.49 ⁶	3.66 ⁶	5.49 ⁶	9.48 ⁶	12.72 ⁶
	24	0.00* ⁶	0.16 ⁵	1.64 ⁶	2.87 ⁶	5.39 ⁶	0.00* ⁶	0.62 ⁶	2.81 ⁶	4.63 ⁶	8.60 ⁶	11.92 ⁶
16	12	0.17* ⁵	0.90 ⁶	2.27 ⁶	3.47 ⁶	5.97 ⁶	0.53* ⁶	1.50 ⁶	3.63 ⁶	5.44 ⁶	9.40 ⁶	12.63 ⁶
	16	0.00* ⁶	0.42 ⁵	1.85 ⁶	3.06 ⁶	5.56 ⁶	0.00* ⁶	0.93 ⁶	3.07 ⁶	4.86 ⁶	8.79 ⁶	12.08 ⁶
	24	0.00* ⁶	0.00 ⁶	1.06 ⁴	2.27 ⁵	4.77 ⁶	0.00* ⁶	0.00 ⁶	2.01 ⁵	3.78 ⁶	7.65 ⁶	11.02 ⁶

Wall	Spacing (in) o.c.	800S200-mils (Fy)					800S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.55* ⁶	4.03 ⁶	7.31 ⁶	9.89 ⁶	15.60 ⁶	20.09 ⁶	4.44 ⁶	7.74 ⁶	11.34 ⁶	19.32 ⁶	25.41 ⁶
	16	2.37* ⁶	3.85 ⁶	7.14 ⁶	9.73 ⁶	15.45 ⁶	19.94 ⁶	4.25 ⁶	7.56 ⁶	11.15 ⁶	19.14 ⁶	25.23 ⁶
	24	2.03* ⁶	3.49 ⁶	6.78 ⁶	9.41 ⁶	15.14 ⁶	19.64 ⁶	3.88 ⁶	7.20 ⁶	10.78 ⁶	18.77 ⁶	24.85 ⁶
9	12	2.40* ⁶	3.88 ⁶	7.16 ⁶	9.75 ⁶	15.47 ⁶	19.96 ⁶	4.27 ⁶	7.55 ⁶	11.14 ⁶	19.08 ⁶	25.16 ⁶
	16	2.18* ⁶	3.65 ⁶	6.93 ⁶	9.54 ⁶	15.27 ⁶	19.76 ⁶	4.03 ⁶	7.33 ⁶	10.89 ⁶	18.84 ⁶	24.92 ⁶
	24	1.75* ⁶	3.20 ⁶	6.48 ⁶	9.13 ⁶	14.87 ⁶	19.37 ⁶	3.56 ⁶	6.87 ⁶	10.41 ⁶	18.36 ⁶	24.44 ⁶
10	12	2.24* ⁶	3.71 ⁶	6.98 ⁶	9.59 ⁶	15.31 ⁶	19.80 ⁶	4.08 ⁶	7.34 ⁶	10.90 ⁶	18.78 ⁶	24.77 ⁶
	16	1.97* ⁶	3.42 ⁶	6.70 ⁶	9.33 ⁶	15.05 ⁶	19.55 ⁶	3.78 ⁶	7.05 ⁶	10.59 ⁶	18.48 ⁶	24.47 ⁶
	24	1.43* ⁶	2.86 ⁶	6.13 ⁶	8.81 ⁶	14.55 ⁶	19.05 ⁶	3.20 ⁶	6.49 ⁶	9.99 ⁶	17.88 ⁶	23.87 ⁶
12	12	1.86* ⁶	3.30 ⁶	6.55 ⁶	9.18 ⁶	14.91 ⁶	19.39 ⁶	3.62 ⁶	6.81 ⁶	10.30 ⁶	18.03 ⁶	23.74 ⁶
	16	1.48* ⁶	2.89 ⁶	6.13 ⁶	8.80 ⁶	14.53 ⁶	19.01 ⁶	3.20 ⁶	6.40 ⁶	9.85 ⁶	17.58 ⁶	23.29 ⁶
	24	0.73* ⁶	2.10 ⁶	5.32 ⁶	8.04 ⁶	13.78 ⁶	18.26 ⁶	2.38 ⁶	5.60 ⁶	8.99 ⁶	16.70 ⁶	22.40 ⁶
14	12	1.40* ⁶	2.78 ⁶	5.93 ⁶	8.61 ⁶	14.38 ⁶	18.85 ⁶	3.08 ⁶	6.15 ⁶	9.48 ⁶	16.94 ⁶	22.34 ⁶
	16	0.91* ⁶	2.24 ⁶	5.37 ⁶	8.08 ⁶	13.83 ⁶	18.30 ⁶	2.53 ⁶	5.61 ⁶	8.89 ⁶	16.32 ⁶	21.71 ⁶
	24	0.00* ⁶	1.22 ⁶	4.30 ⁶	7.05 ⁶	12.79 ⁶	17.23 ⁶	1.47 ⁶	4.57 ⁶	7.74 ⁶	15.13 ⁶	20.50 ⁶
16	12	0.91* ⁶	2.18 ⁶	5.12 ⁶	7.71 ⁶	13.34 ⁶	17.90 ⁶	2.47 ⁶	5.39 ⁶	8.48 ⁶	15.47 ⁶	20.59 ⁶
	16	0.31* ⁵	1.53 ⁶	4.43 ⁶	7.04 ⁶	12.64 ⁶	17.16 ⁶	1.79 ⁵	4.71 ⁶	7.73 ⁶	14.69 ⁶	19.78 ⁶
	24	0.00* ⁶	0.32 ⁴	3.15 ⁶	5.77 ⁶	11.29 ⁶	15.75 ⁶	0.53 ³	3.44 ⁴	6.32 ³	13.19 ⁶	18.23 ⁶

Wall	Spacing (in) o.c.	800S300-mils (Fy)				800S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	8.08 ⁶	11.62 ⁶	21.04 ⁶	27.70 ⁶	10.50 ⁶	15.28 ⁶	25.44 ⁶	34.02 ⁶
	16	7.90 ⁶	11.43 ⁶	20.84 ⁶	27.50 ⁶	10.31 ⁶	15.08 ⁶	25.23 ⁶	33.82 ⁶
	24	7.54 ⁶	11.06 ⁶	20.42 ⁶	27.12 ⁶	9.93 ⁶	14.68 ⁶	24.81 ⁶	33.41 ⁶
9	12	7.88 ⁶	11.39 ⁶	20.71 ⁶	27.32 ⁶	10.26 ⁶	15.01 ⁶	25.12 ⁶	33.60 ⁶
	16	7.65 ⁶	11.15 ⁶	20.44 ⁶	27.07 ⁶	10.02 ⁶	14.75 ⁶	24.85 ⁶	33.34 ⁶
	24	7.19 ⁶	10.68 ⁶	19.90 ⁶	26.57 ⁶	9.54 ⁶	14.24 ⁶	24.31 ⁶	32.81 ⁶
10	12	7.65 ⁶	11.13 ⁶	20.30 ⁶	26.88 ⁶	9.99 ⁶	14.69 ⁶	24.74 ⁶	33.10 ⁶
	16	7.37 ⁶	10.83 ⁶	19.97 ⁶	26.56 ⁶	9.69 ⁶	14.37 ⁶	24.40 ⁶	32.77 ⁶
	24	6.81 ⁶	10.24 ⁶	19.30 ⁶	25.93 ⁶	9.10 ⁶	13.74 ⁶	23.73 ⁶	32.11 ⁶
12	12	7.11 ⁶	10.48 ⁶	19.29 ⁶	25.74 ⁶	9.33 ⁶	13.92 ⁶	23.61 ⁶	31.88 ⁶
	16	6.70 ⁶	10.05 ⁶	18.80 ⁶	25.27 ⁶	8.90 ⁶	13.45 ⁶	23.11 ⁶	31.39 ⁶
	24	5.90 ⁶	9.21 ⁶	17.83 ⁶	24.34 ⁶	8.06 ⁶	12.54 ⁶	22.13 ⁶	30.41 ⁶
14	12	6.44 ⁶	9.67 ⁶	17.99 ⁶	24.26 ⁶	8.54 ⁶	12.95 ⁶	22.22 ⁶	30.15 ⁶
	16	5.89 ⁶	9.09 ⁶	17.32 ⁶	23.61 ⁶	7.97 ⁶	12.31 ⁶	21.53 ⁶	29.46 ⁶
	24	4.84 ⁶	7.97 ⁶	16.01 ⁶	22.34 ⁶	6.86 ⁶	11.09 ⁶	20.19 ⁶	28.11 ⁶
16	12	5.67 ⁶	8.73 ⁶	16.45 ⁶	22.49 ⁶	7.64 ⁶	11.80 ⁶	20.60 ⁶	27.84 ⁶
	16	4.99 ⁶	7.99 ⁶	15.59 ⁶	21.64 ⁶	6.92 ⁶	10.99 ⁶	19.71 ⁶	26.94 ⁶
	24	3.70 ⁶	6.61 ⁶	13.95 ⁶	20.02 ⁶	5.55 ⁵	9.47 ⁶	17.99 ⁶	25.22 ⁶

Notes:

- ¹ Deflection meets L/120
- ³ Deflection meets L/360
- ⁵ Deflection meets L/600
- Axial Load Multiplier = 1
- Lateral Load Multiplier - Strength = 1
- * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240
- ⁴ Deflection meets L/480
- ⁶ Deflection meets L/720
- KyLy & KtLt = 48
- Lateral Load Multiplier - Deflection = 1.0



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 25psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	1000S162-mils (Fy)					1000S200-mils (Fy)				
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.98 ⁶	4.95 ⁶	6.70 ⁶	10.62 ⁶	13.64 ⁶	4.10 ⁶	7.27 ⁶	9.78 ⁶	15.47 ⁶	20.01 ⁶
	16	2.86 ⁶	4.84 ⁶	6.60 ⁶	10.53 ⁶	13.54 ⁶	3.95 ⁶	7.13 ⁶	9.65 ⁶	15.34 ⁶	19.88 ⁶
	24	2.62 ⁶	4.62 ⁶	6.39 ⁶	10.33 ⁶	13.35 ⁶	3.67 ⁶	6.86 ⁶	9.39 ⁶	15.09 ⁶	19.63 ⁶
9	12	2.88 ⁶	4.86 ⁶	6.62 ⁶	10.54 ⁶	13.56 ⁶	3.98 ⁶	7.16 ⁶	9.67 ⁶	15.36 ⁶	19.90 ⁶
	16	2.73 ⁶	4.72 ⁶	6.48 ⁶	10.42 ⁶	13.44 ⁶	3.80 ⁶	6.98 ⁶	9.50 ⁶	15.20 ⁶	19.74 ⁶
	24	2.42 ⁶	4.45 ⁶	6.23 ⁶	10.17 ⁶	13.19 ⁶	3.44 ⁶	6.64 ⁶	9.17 ⁶	14.88 ⁶	19.41 ⁶
10	12	2.77 ⁶	4.76 ⁶	6.52 ⁶	10.45 ⁶	13.47 ⁶	3.85 ⁶	7.03 ⁶	9.54 ⁶	15.24 ⁶	19.78 ⁶
	16	2.58 ⁶	4.59 ⁶	6.36 ⁶	10.30 ⁶	13.31 ⁶	3.63 ⁶	6.81 ⁶	9.34 ⁶	15.04 ⁶	19.57 ⁶
	24	2.20 ⁶	4.25 ⁶	6.03 ⁶	9.98 ⁶	13.01 ⁶	3.18 ⁶	6.38 ⁶	8.92 ⁶	14.63 ⁶	19.17 ⁶
12	12	2.51 ⁶	4.52 ⁶	6.29 ⁶	10.23 ⁶	13.25 ⁶	3.54 ⁶	6.72 ⁶	9.24 ⁶	14.94 ⁶	19.48 ⁶
	16	2.24 ⁶	4.27 ⁶	6.05 ⁶	10.00 ⁶	13.02 ⁶	3.22 ⁶	6.40 ⁶	8.94 ⁶	14.64 ⁶	19.18 ⁶
	24	1.69 ⁶	3.79 ⁶	5.58 ⁶	9.55 ⁶	12.57 ⁶	2.58 ⁶	5.78 ⁶	8.33 ⁶	14.05 ⁶	18.58 ⁶
14	12	2.20 ⁶	4.23 ⁶	6.01 ⁶	9.95 ⁶	12.97 ⁶	3.17 ⁶	6.34 ⁶	8.87 ⁶	14.57 ⁶	19.10 ⁶
	16	1.83 ⁶	3.90 ⁶	5.68 ⁶	9.65 ⁶	12.66 ⁶	2.73 ⁶	5.90 ⁶	8.45 ⁶	14.15 ⁶	18.67 ⁶
	24	1.11 ⁶	3.23 ⁶	5.04 ⁶	9.01 ⁶	12.03 ⁶	1.88 ⁶	5.05 ⁶	7.61 ⁶	13.32 ⁶	17.83 ⁶
16	12	1.84 ⁶	3.89 ⁶	5.67 ⁶	9.62 ⁶	12.63 ⁶	2.74 ⁶	5.89 ⁶	8.42 ⁶	14.11 ⁶	18.62 ⁶
	16	1.37 ⁶	3.45 ⁶	5.24 ⁶	9.20 ⁶	12.21 ⁶	2.18 ⁶	5.32 ⁶	7.86 ⁶	13.55 ⁶	18.05 ⁶
	24	0.45 ⁴	2.60 ⁶	4.41 ⁶	8.37 ⁶	11.38 ⁶	1.11 ⁵	4.22 ⁶	6.77 ⁶	12.45 ⁶	16.92 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S250-mils (Fy)					1000S300-mils (Fy)			
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	4.60 ⁶	7.93 ⁶	11.56 ⁶	19.57 ⁶	25.61 ⁶	8.42 ⁶	12.10 ⁶	22.07 ⁶	28.99 ⁶
	16	4.45 ⁶	7.79 ⁶	11.41 ⁶	19.43 ⁶	25.47 ⁶	8.27 ⁶	11.95 ⁶	21.91 ⁶	28.84 ⁶
	24	4.15 ⁶	7.51 ⁶	11.12 ⁶	19.15 ⁶	25.19 ⁶	7.99 ⁶	11.65 ⁶	21.58 ⁶	28.54 ⁶
9	12	4.48 ⁶	7.81 ⁶	11.44 ⁶	19.45 ⁶	25.49 ⁶	8.28 ⁶	11.94 ⁶	21.86 ⁶	28.86 ⁶
	16	4.29 ⁶	7.63 ⁶	11.25 ⁶	19.27 ⁶	25.31 ⁶	8.10 ⁶	11.75 ⁶	21.65 ⁶	28.67 ⁶
	24	3.91 ⁶	7.27 ⁶	10.88 ⁶	18.91 ⁶	24.96 ⁶	7.73 ⁶	11.38 ⁶	21.23 ⁶	28.28 ⁶
10	12	4.34 ⁶	7.68 ⁶	11.30 ⁶	19.31 ⁶	25.35 ⁶	8.12 ⁶	11.77 ⁶	21.62 ⁶	28.60 ⁶
	16	4.10 ⁶	7.45 ⁶	11.06 ⁶	19.09 ⁶	25.13 ⁶	7.89 ⁶	11.53 ⁶	21.35 ⁶	28.36 ⁶
	24	3.63 ⁶	7.01 ⁶	10.60 ⁶	18.64 ⁶	24.69 ⁶	7.44 ⁶	11.06 ⁶	20.83 ⁶	27.87 ⁶
12	12	4.01 ⁶	7.36 ⁶	10.96 ⁶	18.98 ⁶	25.02 ⁶	7.73 ⁶	11.33 ⁶	20.98 ⁶	27.92 ⁶
	16	3.67 ⁶	7.03 ⁶	10.61 ⁶	18.64 ⁶	24.68 ⁶	7.40 ⁶	10.99 ⁶	20.60 ⁶	27.56 ⁶
	24	3.00 ⁶	6.39 ⁶	9.93 ⁶	17.98 ⁶	24.03 ⁶	6.75 ⁶	10.31 ⁶	19.84 ⁶	26.84 ⁶
14	12	3.60 ⁶	6.93 ⁶	10.51 ⁶	18.55 ⁶	24.59 ⁶	7.25 ⁶	10.77 ⁶	20.14 ⁶	26.99 ⁶
	16	3.14 ⁶	6.49 ⁶	10.04 ⁶	18.08 ⁶	24.12 ⁶	6.80 ⁶	10.30 ⁶	19.61 ⁶	26.48 ⁶
	24	2.25 ⁶	5.61 ⁶	9.10 ⁶	17.16 ⁶	23.19 ⁶	5.92 ⁶	9.39 ⁶	18.56 ⁶	25.49 ⁶
16	12	3.12 ⁶	6.37 ⁶	9.88 ⁶	17.82 ⁶	23.82 ⁶	6.67 ⁶	10.08 ⁶	19.06 ⁶	25.78 ⁶
	16	2.53 ⁶	5.80 ⁶	9.26 ⁶	17.20 ⁶	23.19 ⁶	6.09 ⁶	9.48 ⁶	18.37 ⁶	25.12 ⁶
	24	1.14 ⁶	4.69 ⁶	8.05 ⁶	15.97 ⁶	21.95 ⁶	4.98 ⁶	8.30 ⁶	17.02 ⁶	23.82 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	10.93 ⁶	15.85 ⁶	26.31 ⁶	35.47 ⁶
	16	10.78 ⁶	15.69 ⁶	26.15 ⁶	35.31 ⁶
	24	10.48 ⁶	15.38 ⁶	25.82 ⁶	34.99 ⁶
9	12	10.76 ⁶	15.67 ⁶	26.10 ⁶	35.21 ⁶
	16	10.57 ⁶	15.47 ⁶	25.89 ⁶	35.01 ⁶
	24	10.19 ⁶	15.06 ⁶	25.48 ⁶	34.60 ⁶
10	12	10.58 ⁶	15.45 ⁶	25.85 ⁶	34.89 ⁶
	16	10.34 ⁶	15.20 ⁶	25.59 ⁶	34.64 ⁶
	24	9.87 ⁶	14.71 ⁶	25.08 ⁶	34.14 ⁶
12	12	10.11 ⁶	14.92 ⁶	25.24 ⁶	34.09 ⁶
	16	9.77 ⁶	14.56 ⁶	24.86 ⁶	33.72 ⁶
	24	9.09 ⁶	13.84 ⁶	24.10 ⁶	32.98 ⁶
14	12	9.54 ⁶	14.25 ⁶	24.44 ⁶	33.05 ⁶
	16	9.07 ⁶	13.76 ⁶	23.91 ⁶	32.53 ⁶
	24	8.16 ⁶	12.77 ⁶	22.86 ⁶	31.50 ⁶
16	12	8.86 ⁶	13.45 ⁶	23.30 ⁶	31.79 ⁶
	16	8.26 ⁶	12.80 ⁶	22.60 ⁶	31.10 ⁶
	24	7.09 ⁶	11.53 ⁶	21.23 ⁶	29.74 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports

Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 25psf Lateral Load



Wall Ht. (ft)	Spacing (in) o.c.	1200S162-mils (Fy)			1200S200-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	4.75* ⁶	6.43 ⁶	10.19 ⁶	6.45* ⁶	9.41 ⁶	15.22 ⁶
	16	4.66* ⁶	6.35 ⁶	10.12 ⁶	6.34* ⁶	9.31 ⁶	15.12 ⁶
	24	4.49* ⁶	6.18 ⁶	9.96 ⁶	6.14* ⁶	9.10 ⁶	14.92 ⁶
9	12	4.68* ⁶	6.36 ⁶	10.13 ⁶	6.37* ⁶	9.33 ⁶	15.13 ⁶
	16	4.56* ⁶	6.26 ⁶	10.03 ⁶	6.25* ⁶	9.19 ⁶	15.01 ⁶
	24	4.34* ⁶	6.05 ⁶	9.84 ⁶	6.00* ⁶	8.93 ⁶	14.75 ⁶
10	12	4.60* ⁶	6.29 ⁶	10.06 ⁶	6.28* ⁶	9.23 ⁶	15.04 ⁶
	16	4.46* ⁶	6.16 ⁶	9.94 ⁶	6.13* ⁶	9.06 ⁶	14.88 ⁶
	24	4.19* ⁶	5.90 ⁶	9.70 ⁶	5.82* ⁶	8.74 ⁶	14.56 ⁶
12	12	4.41* ⁶	6.11 ⁶	9.89 ⁶	6.08* ⁶	9.00 ⁶	14.82 ⁶
	16	4.21* ⁶	5.92 ⁶	9.72 ⁶	5.90* ⁶	8.76 ⁶	14.58 ⁶
	24	3.81* ⁶	5.54 ⁶	9.36 ⁶	5.42* ⁶	8.28 ⁶	14.12 ⁶
14	12	4.18* ⁶	5.89 ⁶	9.69 ⁶	5.84* ⁶	8.72 ⁶	14.54 ⁶
	16	3.91* ⁶	5.63 ⁶	9.44 ⁶	5.54* ⁶	8.39 ⁶	14.22 ⁶
	24	3.37* ⁶	5.12 ⁶	8.96 ⁶	4.94* ⁶	7.73 ⁶	13.57 ⁶
16	12	3.92* ⁶	5.64 ⁶	9.45 ⁶	5.56* ⁶	8.39 ⁶	14.21 ⁶
	16	3.56* ⁶	5.30 ⁶	9.12 ⁶	5.17* ⁶	7.95 ⁶	13.78 ⁶
	24	2.86* ⁶	4.63 ⁶	8.49 ⁶	4.38* ⁶	7.09 ⁶	12.92 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1200S250-mils (Fy)			1200S300-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	7.44* ⁶	10.84 ⁶	19.20 ⁶	8.52* ⁶	11.94 ⁶	21.16 ⁶
	16	7.33* ⁶	10.73 ⁶	19.08 ⁶	8.40* ⁶	11.82 ⁶	21.03 ⁶
	24	7.12* ⁶	10.50 ⁶	18.85 ⁶	8.16* ⁶	11.58 ⁶	20.78 ⁶
9	12	7.36* ⁶	10.75 ⁶	19.11 ⁶	8.10* ⁶	11.84 ⁶	21.05 ⁶
	16	7.22* ⁶	10.60 ⁶	18.95 ⁶	7.95* ⁶	11.69 ⁶	20.89 ⁶
	24	6.95* ⁶	10.32 ⁶	18.65 ⁶	7.66* ⁶	11.39 ⁶	20.57 ⁶
10	12	7.26* ⁶	10.64 ⁶	18.99 ⁶	7.99* ⁶	11.73 ⁶	20.93 ⁶
	16	7.09* ⁶	10.46 ⁶	18.80 ⁶	7.81* ⁶	11.54 ⁶	20.73 ⁶
	24	6.76* ⁶	10.11 ⁶	18.42 ⁶	7.45* ⁶	11.17 ⁶	20.33 ⁶
12	12	7.04* ⁶	10.39 ⁶	18.72 ⁶	7.74* ⁶	11.47 ⁶	20.65 ⁶
	16	6.80* ⁶	10.13 ⁶	18.44 ⁶	7.48* ⁶	11.19 ⁶	20.35 ⁶
	24	6.32* ⁶	9.62 ⁶	17.89 ⁶	6.95* ⁶	10.65 ⁶	19.77 ⁶
14	12	6.78* ⁶	10.09 ⁶	18.39 ⁶	7.44* ⁶	11.15 ⁶	20.30 ⁶
	16	6.46* ⁶	9.73 ⁶	18.00 ⁶	7.08* ⁶	10.77 ⁶	19.89 ⁶
	24	5.81* ⁶	9.02 ⁶	17.23 ⁶	6.36* ⁶	10.02 ⁶	19.07 ⁶
16	12	6.48* ⁶	9.73 ⁶	17.99 ⁶	7.08* ⁶	10.77 ⁶	19.87 ⁶
	16	6.06* ⁶	9.26 ⁶	17.47 ⁶	6.60* ⁶	10.27 ⁶	19.32 ⁶
	24	5.21* ⁶	8.32 ⁶	16.44 ⁶	5.66* ⁶	9.28 ⁶	18.24 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 30psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	250S137-mils (Fy)					2250S162-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	0.06 ¹	0.47 ²	1.17 ²	1.74 ³	2.99 ⁴	0.22 ²	0.71 ²	1.51 ³	2.16 ³	3.54 ⁵
	16	0.00	0.19 ¹	0.92 ²	1.48 ²	2.66 ³	0.00	0.40 ¹	1.24 ²	1.87 ²	3.21 ³
	24	0.00	0.00	0.49 ¹	1.00 ¹	2.08 ²	0.00	0.00	0.77 ¹	1.36 ¹	2.61 ²
9	12	0.00	0.21 ¹	0.85 ¹	1.33 ²	2.32 ³	0.00	0.41 ¹	1.13 ²	1.68 ²	2.81 ³
	16	0.00	0.00	0.60 ¹	1.06 ¹	1.99 ²	0.00	0.09 ¹	0.86 ¹	1.38 ²	2.46 ²
	24	0.00	0.00	0.15	0.57 ¹	1.41 ¹	0.00	0.00	0.37 ¹	0.86 ¹	1.85 ¹
10	12	0.00	0.01 ¹	0.59 ¹	0.99 ¹	1.78 ²	0.00	0.16 ¹	0.81 ¹	1.27 ¹	2.20 ²
	16	0.00	0.00	0.33 ¹	0.71 ¹	1.45 ¹	0.00	0.00	0.54 ¹	0.98 ¹	1.86 ¹
	24	0.00	0.00	0.00	0.23	0.89 ¹	0.00	0.00	0.06	0.46	1.26 ¹
12	12	0.00	0.00	0.20	0.48	1.00 ¹	0.00	0.00	0.35	0.67 ¹	1.31 ¹
	16	0.00	0.00	0.00	0.22	0.70	0.00	0.00	0.09	0.39	0.99 ¹
	24	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.43
14	12	0.00	0.00	0.00	0.15	0.52	0.00	0.00	0.05	0.29	0.74
	16	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.03	0.44
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	12	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.04	0.37
	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Wall Ht. (ft)	Spacing (in) o.c.	350S162-mils (Fy)					350S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	0.78 ⁶	1.49 ⁶	2.99 ⁶	4.08 ⁶	6.51 ⁶	1.05 ⁵	2.00 ⁶	3.82 ⁶	5.22 ⁶	8.03 ⁶
	16	0.43 ⁴	1.11 ⁵	2.64 ⁶	3.72 ⁶	6.15 ⁶	0.66 ³	1.59 ⁴	3.42 ⁶	4.83 ⁶	7.66 ⁶
	24	0.00	0.42 ³	1.99 ⁴	3.05 ⁶	5.47 ⁶	0.00 ²	0.83 ³	2.67 ⁴	4.08 ⁴	6.93 ⁶
9	12	0.46 ⁴	1.11 ⁷	2.48 ⁶	3.48 ⁶	5.70 ⁶	0.68 ³	1.56 ⁴	3.20 ⁵	4.48 ⁶	7.07 ⁶
	16	0.07 ³	0.69 ⁵	2.08 ⁵	3.06 ⁶	5.28 ⁶	0.25 ²	1.09 ³	2.75 ⁴	4.03 ⁵	6.63 ⁶
	24	0.00	0.00	1.37 ³	2.31 ⁴	4.50 ⁵	0.00 ¹	0.26 ²	1.92 ²	3.19 ³	5.80 ⁴
10	12	0.17 ³	0.74 ⁴	1.99 ⁵	2.88 ⁶	4.87 ⁶	0.34 ²	1.13 ³	2.59 ⁴	3.75 ⁵	6.09 ⁶
	16	0.00	0.29 ³	1.56 ³	2.43 ⁴	4.41 ⁶	0.00 ¹	0.63 ²	2.10 ³	3.26 ³	5.60 ⁵
	24	0.00	0.00	0.81 ²	1.63 ³	3.58 ⁴	0.00 ¹	0.00 ¹	1.24 ²	2.37 ²	4.70 ³
12	12	0.00	0.13 ²	1.13 ²	1.81 ³	3.34 ⁴	0.00 ¹	0.40 ¹	1.53 ²	2.44 ²	4.27 ³
	16	0.00	0.00	0.70 ²	1.35 ²	2.86 ³	0.00 ¹	0.00 ¹	1.04 ¹	1.94 ²	3.75 ²
	24	0.00	0.00	0.00	0.56 ¹	2.03 ²	0.00	0.00	0.20 ¹	1.06 ¹	2.84 ¹
14	12	0.00	0.00	0.53 ¹	1.04 ²	2.21 ³	0.00	0.00 ¹	0.79 ¹	1.49 ¹	2.91 ²
	16	0.00	0.00	0.13 ¹	0.60 ¹	1.75 ²	0.00	0.00	0.33 ¹	1.01 ¹	2.41 ¹
	24	0.00	0.00	0.00	0.00	0.96 ¹	0.00	0.00	0.00	0.18	1.54 ¹
16	12	0.00	0.00	0.13 ¹	0.51 ¹	1.42 ²	0.00	0.00	0.29 ¹	0.84 ¹	1.95 ¹
	16	0.00	0.00	0.00	0.11 ¹	0.99 ¹	0.00	0.00	0.00	0.39 ¹	1.48 ¹
	24	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.67

Wall Ht. (ft)	Spacing (in) o.c.	362S137-mils (Fy)					362S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	0.56 ⁵	1.16 ⁶	2.43 ⁶	3.44 ⁶	5.30	0.85 ⁶	1.59 ⁶	3.17 ⁶	4.38 ⁶	6.93 ⁶	8.78 ⁶
	16	0.24 ⁴	0.81 ⁵	2.11 ⁶	3.10 ⁶	4.99	0.50 ⁵	1.21 ⁶	2.82 ⁶	4.01 ⁶	6.57 ⁶	8.39 ⁶
	24	0.00	0.18 ³	1.52 ⁴	2.47 ⁵	4.40	0.00	0.52 ⁴	2.16 ⁵	3.32 ⁶	5.89 ⁶	7.66 ⁶
9	12	0.28 ⁴	0.83 ⁵	2.03 ⁶	2.94	4.95	0.53 ⁴	1.21 ⁶	2.68 ⁶	3.77 ⁶	6.13 ⁶	7.78 ⁶
	16	0.00	0.44 ³	1.66 ⁴	2.55 ⁶	4.56	0.13 ³	0.78 ⁴	2.27 ⁵	3.34 ⁶	5.71 ⁶	7.33 ⁶
	24	0.00	0.00	0.99 ³	1.84 ⁵	3.83	0.00	0.02 ³	1.54 ³	2.57 ⁴	4.91 ⁶	6.48 ⁵
10	12	0.02 ²	0.51 ³	1.62 ⁴	2.44 ³	4.35	0.23 ³	0.84 ⁴	2.18 ⁵	3.15 ⁶	5.30 ⁶	6.75 ⁶
	16	0.00 ³	0.09 ²	1.22 ³	2.01 ⁵	3.91	0.00	0.38 ³	1.74 ⁴	2.69 ⁵	4.82 ⁶	6.24 ⁵
	24	0.00	0.00	0.51 ²	1.25 ⁴	3.10	0.00	0.00	0.96 ²	1.86 ³	3.96 ⁴	5.32 ³
12	12	0.00	0.00	0.89 ²	1.51 ²	2.99	0.00	0.20 ²	1.29 ³	2.03 ³	3.70 ⁵	4.78 ⁴
	16	0.00	0.00	0.48 ²	1.06 ³	2.52	0.00	0.00	0.84 ²	1.55 ²	3.20 ³	4.24 ³
	24	0.00	0.00	0.00	0.29 ²	1.70	0.00	0.00	0.05 ¹	0.71 ¹	2.32 ²	3.29 ²
14	12	0.00	0.00	0.35 ¹	0.82 ¹	1.94	0.00	0.00	0.64 ¹	1.19 ²	2.48 ³	3.27 ²
	16	0.00	0.00	0.00	0.39 ²	1.49	0.00	0.00	0.21 ¹	0.73 ¹	2.00 ²	2.74 ²
	24	0.00	0.00	0.00	0.00 ¹	0.72	0.00	0.00	0.00	0.00	1.16 ¹	1.86 ²
16	12	0.00	0.00	0.00	0.34 ¹	1.21	0.00	0.00	0.19 ¹	0.62 ¹	1.62 ²	2.21 ¹
	16	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.19 ¹	1.17 ¹	1.73 ¹
	24	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.40 ¹	0.90

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Wall	Spacing (in) o.c.	362S200-mils (Fy)						362S250-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.13 ⁶	2.13 ⁶	4.06 ⁶	5.58 ⁶	8.55 ⁶	10.64 ⁶	2.48 ⁶	4.62 ⁶	6.53 ⁶	9.99 ⁶	12.37 ⁶
	16	0.74 ⁵	1.71 ⁶	3.65 ⁶	5.18 ⁶	8.17 ⁶	10.24 ⁶	2.03 ⁶	4.19 ⁶	6.08 ⁶	9.59 ⁶	11.96 ⁶
	24	0.02 ³	0.95 ⁵	2.89 ⁶	4.42 ⁶	7.44 ⁶	9.48 ⁶	1.21 ⁴	3.37 ⁵	5.23 ⁶	8.82 ⁶	11.18 ⁶
9	12	0.77 ⁵	1.68 ⁶	3.44 ⁶	4.84 ⁶	7.59 ⁶	9.49 ⁶	2.01 ⁵	4.00 ⁶	5.68 ⁶	8.92 ⁶	11.11 ⁶
	16	0.32 ⁴	1.21 ⁵	2.97 ⁶	4.37 ⁶	7.14 ⁶	9.01 ⁶	1.49 ⁴	3.49 ⁵	5.15 ⁶	8.44 ⁶	10.62 ⁶
	24	0.00	0.37 ³	2.12 ⁴	3.51 ⁵	6.29 ⁶	8.11 ⁶	0.56 ²	2.56 ³	4.18 ⁴	7.54 ⁶	9.69 ⁶
10	12	0.42 ⁴	1.25 ⁵	2.83 ⁶	4.09 ⁶	6.60 ⁶	8.29 ⁶	1.54 ⁴	3.37 ⁵	4.82 ⁶	7.82 ⁶	9.80 ⁶
	16	0.00	0.74 ³	2.32 ⁴	3.58 ⁵	6.10 ⁶	7.76 ⁶	0.97 ³	2.81 ³	4.24 ⁴	7.28 ⁶	9.24 ⁶
	24	0.00	0.00	1.43 ³	2.66 ³	5.17 ⁵	6.77 ⁴	0.00 ²	1.80 ²	3.20 ³	6.28 ⁴	8.21 ⁵
12	12	0.00	0.49 ³	1.73 ³	2.72 ⁴	4.72 ⁶	6.01 ⁵	0.67 ²	2.12 ³	3.25 ³	5.69 ⁵	7.24 ⁶
	16	0.00	0.00	1.21 ²	2.19 ³	4.17 ⁴	5.42 ³	0.06 ¹	1.53 ²	2.64 ²	5.10 ³	6.63 ⁴
	24	0.00	0.00	0.31 ¹	1.26 ²	3.21 ³	4.39 ²	0.00 ¹	0.51 ¹	1.57 ¹	4.04 ²	5.51 ³
14	12	0.00	0.00	0.92 ²	1.69 ²	3.24 ³	4.20 ³	0.01 ¹	1.17 ¹	2.05 ²	3.99 ³	5.19 ³
	16	0.00	0.00	0.43 ¹	1.18 ²	2.71 ²	3.64 ²	0.00	0.61 ¹	1.46 ¹	3.40 ²	4.57 ²
	24	0.00	0.00	0.00	0.31 ¹	1.80 ¹	2.66 ¹	0.00	0.00	0.45 ¹	2.38 ¹	3.50 ¹
16	12	0.00	0.00	0.38 ¹	0.97 ¹	2.20 ²	2.93 ²	0.00	0.53 ¹	1.21 ¹	2.77 ²	3.70 ²
	16	0.00	0.00	0.00	0.50 ¹	1.70 ¹	2.40 ¹	0.00	0.00	0.66 ¹	2.21 ¹	3.11 ¹
	24	0.00	0.00	0.00	0.00	0.85 ¹	1.49 ¹	0.00	0.00	0.00	1.25 ¹	2.10 ¹

Wall	Spacing (in) o.c.	362S300-mils (Fy)				362S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	6.02 ⁶	8.47 ⁶	12.58 ⁶	15.57 ⁶	6.55 ⁶	9.70 ⁶	14.72 ⁶	18.23 ⁶
	16	5.56 ⁶	7.97 ⁶	12.10 ⁶	15.13 ⁶	6.08 ⁶	9.18 ⁶	14.19 ⁶	17.76 ⁶
	24	4.69 ⁵	7.02 ⁶	11.18 ⁶	14.27 ⁶	5.19 ⁶	8.20 ⁶	13.17 ⁶	16.85 ⁶
9	12	5.26 ⁶	7.41 ⁶	11.22 ⁶	14.01 ⁶	5.78 ⁶	8.62 ⁶	13.15 ⁶	16.44 ⁶
	16	4.72 ⁶	6.82 ⁶	10.65 ⁶	13.47 ⁶	5.22 ⁶	8.00 ⁶	12.51 ⁶	15.87 ⁶
	24	3.73 ⁴	5.74 ⁵	9.57 ⁶	12.45 ⁶	4.19 ⁴	6.86 ⁵	11.32 ⁶	14.78 ⁶
10	12	4.48 ⁶	6.34 ⁶	9.83 ⁶	12.40 ⁶	4.99 ⁶	7.51 ⁶	11.54 ⁶	14.60 ⁶
	16	3.89 ⁴	5.69 ⁵	9.18 ⁶	11.78 ⁶	4.36 ⁴	6.81 ⁶	10.82 ⁶	13.93 ⁶
	24	2.82 ³	4.53 ³	8.00 ⁵	10.64 ⁶	3.22 ³	5.56 ⁴	9.50 ⁵	12.71 ⁶
12	12	3.04 ³	4.38 ⁴	7.17 ⁶	9.26 ⁶	3.46 ³	5.31 ⁵	8.48 ⁶	11.01 ⁶
	16	2.40 ²	3.69 ²	6.46 ⁴	8.57 ⁵	2.77 ²	4.56 ³	7.69 ⁵	10.26 ⁶
	24	1.28 ¹	2.50 ²	5.21 ²	7.33 ³	1.56 ¹	3.26 ²	6.28 ³	8.91 ⁴
14	12	1.84 ²	2.86 ²	5.03 ³	6.68 ⁴	2.18 ²	3.53 ³	5.98 ⁴	8.00 ⁵
	16	1.23 ¹	2.20 ²	4.34 ²	6.00 ³	1.51 ¹	2.81 ²	5.20 ³	7.26 ³
	24	0.19 ¹	1.08 ¹	3.14 ¹	4.80 ²	0.35 ¹	1.59 ¹	3.86 ²	5.94 ²
16	12	1.02 ¹	1.80 ¹	3.51 ²	4.83 ²	1.26 ¹	2.29 ²	4.20 ²	5.83 ³
	16	0.46 ¹	1.19 ¹	2.85 ¹	4.18 ²	0.62 ¹	1.62 ¹	3.47 ²	5.12 ²
	24	0.00	0.00	1.74 ¹	3.06 ¹	0.00	0.48 ¹	2.22 ¹	3.9 ¹

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 30psf Lateral Load

Wall	Spacing	400S137-mils (Fy)					400S162-mils (Fy)					
		(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	0.72 ⁶	1.38 ⁶	2.81 ⁶	4.06 ⁶	5.77	1.05 ⁶	1.86 ⁶	3.67 ⁶	5.18 ⁶	8.17 ⁶	10.28 ⁶
	16	0.40 ⁵	1.04 ⁶	2.50 ⁶	3.72 ⁶	5.49	0.70 ⁶	1.50 ⁶	3.32 ⁶	4.81 ⁶	7.82 ⁶	9.90 ⁶
	24	0.00	0.41 ⁴	1.90 ⁵	3.07 ⁶	4.96	0.05 ⁴	0.81 ⁵	2.66 ⁶	4.10 ⁶	7.13 ⁶	9.18 ⁶
9	12	0.44 ⁵	1.06 ⁶	2.43 ⁶	3.63 ⁶	5.47	0.73 ⁵	1.49 ⁶	3.20 ⁶	4.61 ⁶	7.41 ⁶	9.35 ⁶
	16	0.07 ³	0.67 ⁴	2.06 ⁶	3.21 ⁶	5.12	0.33 ⁴	1.07 ⁵	2.78 ⁶	4.16 ⁶	6.98 ⁶	8.89 ⁶
	24	0.00	0.00	1.37 ⁴	2.45 ⁵	4.45	0.00	0.28 ³	2.02 ⁴	3.33 ⁵	6.16 ⁶	8.02 ⁶
10	12	0.17 ³	0.74 ⁴	2.03 ⁵	3.11 ⁶	5.12	0.41 ⁴	1.12 ⁵	2.70 ⁶	3.99 ⁶	6.58 ⁶	8.33 ⁶
	16	0.00	0.30 ³	1.61 ⁴	2.65 ⁵	4.68	0.00	0.64 ⁴	2.24 ⁵	3.48 ⁶	6.08 ⁶	7.80 ⁶
	24	0.00	0.00	0.85 ²	1.80 ³	3.88	0.00	0.00	1.40 ³	2.57 ⁴	5.16 ⁵	6.81 ⁴
12	12	0.00	0.14 ²	1.25 ³	2.09 ⁴	3.98	0.00	0.43 ³	1.75 ³	2.76 ⁴	4.88 ⁶	6.26 ⁵
	16	0.00	0.00	0.79 ²	1.58 ³	3.45	0.00	0.00	1.25 ²	2.20 ³	4.32 ⁴	5.64 ⁴
	24	0.00	0.00	0.00	0.68 ²	2.51	0.00	0.00	0.36 ¹	1.23 ²	3.31 ³	4.56 ²
14	12	0.00	0.00	0.62 ²	1.24 ²	2.70	0.00	0.00	0.98 ²	1.72 ³	3.40 ⁴	4.42 ³
	16	0.00	0.00	0.16 ¹	0.73 ¹	2.19	0.00	0.00	0.48 ¹	1.18 ²	2.84 ³	3.82 ²
	24	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.25 ¹	1.86 ²	2.78 ¹
16	12	0.00	0.00	0.16 ¹	0.62 ¹	1.77	0.00	0.00	0.42 ¹	0.98 ²	2.30 ²	3.07 ²
	16	0.00	0.00	0.00	0.15 ¹	1.29	0.00	0.00	0.00	0.48 ¹	1.77 ²	2.51 ¹
	24	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.86 ¹	1.54 ¹

Wall	Spacing	400S200-mils (Fy)					400S250-mils (Fy)					
		(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.35 ⁶	2.46 ⁶	4.68 ⁶	6.55 ⁶	10.06 ⁶	12.45 ⁶	2.81 ⁶	5.16 ⁶	7.49 ⁶	11.73 ⁶	14.46 ⁶
	16	0.97 ⁶	2.06 ⁶	4.28 ⁶	6.14 ⁶	9.68 ⁶	12.06 ⁶	2.38 ⁶	4.74 ⁶	7.04 ⁶	11.33 ⁶	14.06 ⁶
	24	0.26 ⁴	1.30 ⁶	3.52 ⁶	5.37 ⁶	8.95 ⁶	11.30 ⁶	1.58 ⁶	3.95 ⁶	6.19 ⁶	10.55 ⁶	13.27 ⁶
9	12	0.99 ⁶	2.03 ⁶	4.09 ⁶	5.84 ⁶	9.14 ⁶	11.35 ⁶	2.36 ⁶	4.62 ⁶	6.78 ⁶	10.70 ⁶	13.25 ⁶
	16	0.55 ⁵	1.56 ⁶	3.61 ⁶	5.35 ⁶	8.67 ⁶	10.87 ⁶	1.85 ⁵	4.12 ⁶	6.24 ⁶	10.20 ⁶	12.75 ⁶
	24	0.00	0.70 ⁴	2.73 ⁵	4.45 ⁶	7.80 ⁶	9.96 ⁶	0.92 ³	3.18 ⁴	5.22 ⁵	9.27 ⁶	11.80 ⁶
10	12	0.64 ³	1.59 ⁶	3.47 ⁶	5.09 ⁶	8.14 ⁶	10.17 ⁶	1.90 ⁵	4.02 ⁶	5.98 ⁶	9.59 ⁶	11.94 ⁶
	16	0.15 ³	1.07 ⁴	2.94 ⁶	4.54 ⁶	7.61 ⁶	9.61 ⁶	1.33 ⁴	3.44 ⁴	5.35 ⁶	9.01 ⁶	11.36 ⁶
	24	0.00	0.13 ³	1.98 ⁴	3.54 ⁴	6.62 ⁶	8.56 ⁵	0.30 ²	2.39 ³	4.22 ⁴	7.94 ⁵	10.26 ⁶
12	12	0.00	0.78 ³	2.31 ⁴	3.62 ⁵	6.14 ⁶	7.76 ⁶	1.01 ³	2.80 ³	4.29 ⁴	7.33 ⁶	9.27 ⁶
	16	0.00	0.20 ²	1.73 ³	3.00 ⁴	5.52 ⁵	7.11 ⁴	0.36 ²	2.14 ²	3.59 ³	6.66 ⁴	8.58 ⁵
	24	0.00	0.00	0.71 ²	1.93 ²	4.42 ³	5.94 ³	0.00 ¹	0.99 ¹	2.36 ²	5.46 ³	7.32 ³
14	12	0.00	0.13 ²	1.36 ²	2.36 ³	4.37 ⁴	5.61 ⁴	0.26 ¹	1.69 ²	2.83 ²	5.31 ⁴	6.83 ⁴
	16	0.00	0.00	0.79 ²	1.76 ²	3.75 ³	4.96 ³	0.00	1.04 ¹	2.15 ²	4.63 ³	6.12 ³
	24	0.00	0.00	0.00	0.74 ¹	2.68 ²	3.81 ²	0.00	0.00 ¹	0.97 ¹	3.44 ²	4.87 ²
16	12	0.00	0.00	0.68 ¹	1.45 ²	3.04 ³	4.00 ²	0.00	0.89 ¹	1.77 ¹	3.76 ²	4.95 ³
	16	0.00	0.00	0.14 ¹	0.89 ¹	2.46 ²	3.38 ²	0.00	0.27 ¹	1.12 ¹	3.11 ²	4.27 ²
	24	0.00	0.00	0.00	0.00	1.46 ¹	2.31 ¹	0.00	0.00	0.02	1.99 ¹	3.09 ¹

Wall	Spacing	400S300-mils (Fy)				400S350-mils (Fy)			
		(in) o.c.	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	6.74 ⁶	9.65 ⁶	14.59 ⁶	18.00 ⁶	7.26 ⁶	10.82 ⁶	16.93 ⁶	20.89 ⁶
	16	6.30 ⁶	9.16 ⁶	14.12 ⁶	17.56 ⁶	6.81 ⁶	10.33 ⁶	16.41 ⁶	20.43 ⁶
	24	5.46 ⁶	8.22 ⁶	13.20 ⁶	16.71 ⁶	5.95 ⁶	9.38 ⁶	15.40 ⁶	19.54 ⁶
9	12	6.04 ⁶	8.75 ⁶	13.28 ⁶	16.50 ⁶	6.55 ⁶	9.90 ⁶	15.43 ⁶	19.20 ⁶
	16	5.51 ⁶	8.15 ⁶	12.70 ⁶	15.97 ⁶	6.01 ⁶	9.30 ⁶	14.79 ⁶	18.63 ⁶
	24	4.52 ⁵	7.03 ⁶	11.60 ⁶	14.93 ⁶	4.99 ⁵	8.15 ⁶	13.58 ⁶	17.54 ⁶
10	12	5.29 ⁶	7.70 ⁶	11.89 ⁶	14.92 ⁶	5.80 ⁶	8.88 ⁶	13.84 ⁶	17.40 ⁶
	16	4.69 ⁵	7.02 ⁶	11.22 ⁶	14.28 ⁶	5.17 ⁶	8.17 ⁶	13.10 ⁶	16.72 ⁶
	24	3.58 ³	5.77 ⁴	9.96 ⁶	13.09 ⁶	4.02 ⁴	6.87 ⁵	11.72 ⁶	15.45 ⁶
12	12	3.82 ⁴	5.65 ⁵	9.11 ⁶	11.68 ⁶	4.28 ⁴	6.74 ⁶	10.67 ⁶	13.73 ⁶
	16	3.12 ³	4.87 ⁴	8.32 ⁵	10.91 ⁶	3.54 ³	5.91 ⁴	9.79 ⁶	12.91 ⁶
	24	1.91 ²	3.52 ²	6.91 ³	9.53 ⁴	2.25 ²	4.45 ³	8.23 ⁴	11.41 ⁵
14	12	2.54 ²	3.86 ³	6.63 ⁴	8.71 ⁵	2.91 ³	4.71 ³	7.82 ⁵	10.34 ⁶
	16	1.83 ²	3.10 ²	5.83 ³	7.92 ⁴	2.15 ²	3.88 ²	6.93 ⁴	9.48 ⁴
	24	0.63 ¹	1.79 ¹	4.43 ²	6.53 ²	0.85 ¹	2.45 ¹	5.37 ²	7.97 ³
16	12	1.52 ¹	2.52 ²	4.71 ³	6.39 ³	1.82 ¹	3.15 ²	5.60 ³	7.65 ⁴
	16	0.86 ¹	1.81 ¹	3.96 ²	5.63 ²	1.09 ¹	2.38 ¹	4.75 ²	6.82 ³
	24	0.00	0.50 ¹	2.65 ¹	4.32 ¹	0.00 ¹	1.06 ¹	3.29 ¹	5.39 ²

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Wall	Spacing (in) o.c.	550S162-mils (Fy)					550S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.64 ⁶	2.68 ⁶	4.96 ⁶	6.80 ⁶	10.67 ⁶	2.02 ⁶	3.38 ⁶	6.38 ⁶	8.85 ⁶	14.25 ⁶
	16	1.35 ⁶	2.41 ⁶	4.70 ⁶	6.55 ⁶	10.41 ⁶	1.73 ⁶	3.06 ⁶	6.06 ⁶	8.55 ⁶	13.95 ⁶
	24	0.79 ⁶	1.88 ⁶	4.19 ⁶	6.05 ⁶	9.91 ⁶	1.15 ⁶	2.44 ⁶	5.44 ⁶	7.96 ⁶	13.00 ⁶
9	12	1.38 ⁶	2.42 ⁶	4.69 ⁶	6.56 ⁶	10.42 ⁶	1.75 ⁶	3.06 ⁶	5.97 ⁶	8.40 ⁶	13.68 ⁶
	16	1.03 ⁶	2.09 ⁶	4.36 ⁶	6.23 ⁶	10.08 ⁶	1.38 ⁶	2.67 ⁶	5.57 ⁶	8.02 ⁶	13.29 ⁶
	24	0.35 ⁶	1.44 ⁶	3.72 ⁶	5.59 ⁶	9.43 ⁶	0.68 ⁵	1.91 ⁶	4.80 ⁶	7.28 ⁶	12.53 ⁶
10	12	1.10 ⁶	2.14 ⁶	4.35 ⁶	6.26 ⁶	10.11 ⁶	1.46 ⁶	2.71 ⁶	5.51 ⁶	7.89 ⁶	13.01 ⁶
	16	6.85 ⁶	1.74 ⁶	3.95 ⁶	5.85 ⁶	9.69 ⁶	1.02 ⁵	2.24 ⁶	5.03 ⁶	7.42 ⁶	12.53 ⁶
	24	0.00	0.97 ⁵	3.18 ⁶	5.07 ⁶	8.87 ⁶	0.21 ³	1.35 ⁴	4.11 ⁵	6.53 ⁶	11.59 ⁶
12	12	0.52 ⁵	1.51 ⁶	3.54 ⁶	5.32 ⁶	9.29 ⁶	0.83 ⁴	1.94 ⁵	4.45 ⁶	6.68 ⁶	11.40 ⁶
	16	0.00	0.99 ⁵	3.01 ⁶	4.76 ⁶	8.67 ⁶	0.28 ³	1.34 ⁴	3.82 ⁵	6.05 ⁶	10.70 ⁶
	24	0.00	0.04 ³	2.04 ⁴	3.74 ⁵	7.50 ⁶	0.00 ²	0.24 ²	2.68 ³	4.90 ⁴	9.44 ⁵
14	12	0.00	0.86 ⁴	2.66 ⁵	4.24 ⁶	7.72 ⁶	0.21 ²	1.17 ³	3.35 ⁴	5.34 ⁵	9.48 ⁶
	16	0.00	0.26 ³	2.05 ³	3.59 ⁴	6.96 ⁶	0.00 ²	0.48 ²	2.63 ³	4.61 ³	8.66 ⁵
	24	0.00	0.00	0.96 ²	2.41 ³	5.60 ⁴	0.00 ¹	0.00 ¹	1.36 ²	3.30 ²	7.19 ³
16	12	0.00	0.28 ²	1.83 ³	3.18 ⁴	6.10 ⁵	0.00 ¹	0.47 ²	2.33 ²	4.06 ³	7.58 ⁴
	16	0.00	0.00	1.19 ²	2.48 ³	5.29 ⁴	0.00 ¹	0.00 ¹	1.58 ²	3.28 ²	6.69 ³
	24	0.00	0.00	0.06 ¹	1.26 ²	3.86 ²	0.00	0.00 ¹	0.28 ¹	1.92 ¹	5.14 ²

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 30psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	600S137-mils (Fy)					600S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.19 ⁶	1.95 ⁶	3.34 ⁶	4.58 ⁶	7.14 ⁶	1.73 ⁶	2.77 ⁶	2.02 ⁶	6.87 ⁶	10.83 ⁶	13.65 ⁶
	16	0.97 ⁶	1.73 ⁶	3.15 ⁶	4.40 ⁶	6.99 ⁶	1.47 ⁶	2.53 ⁶	4.79 ⁶	6.65 ⁶	10.61 ⁶	13.42 ⁶
	24	0.53 ⁶	1.30 ⁶	2.78 ⁶	4.04 ⁶	6.67 ⁶	0.95 ⁶	2.05 ⁶	4.33 ⁶	6.21 ⁶	10.17 ⁶	12.96 ⁶
9	12	1.01 ⁶	1.76 ⁶	3.17 ⁶	4.42 ⁶	7.00 ⁶	1.51 ⁶	2.56 ⁶	4.81 ⁶	6.67 ⁶	10.62 ⁶	13.43 ⁶
	16	0.73 ⁶	1.48 ⁶	2.93 ⁶	4.18 ⁶	6.80 ⁶	1.18 ⁶	2.25 ⁶	4.51 ⁶	6.38 ⁶	10.34 ⁶	13.13 ⁶
	24	0.19 ⁶	0.95 ⁶	2.47 ⁶	3.72 ⁶	6.39 ⁶	0.54 ⁶	1.65 ⁶	3.94 ⁶	5.81 ⁶	9.77 ⁶	12.54 ⁶
10	12	0.80 ⁶	1.55 ⁶	2.98 ⁶	4.23 ⁶	6.83 ⁶	1.26 ⁶	2.32 ⁶	4.57 ⁶	6.42 ⁶	10.37 ⁶	13.16 ⁶
	16	0.47 ⁶	1.22 ⁶	2.69 ⁶	3.94 ⁶	6.58 ⁶	0.86 ⁶	1.94 ⁶	4.20 ⁶	6.06 ⁶	10.01 ⁶	12.78 ⁶
	24	0.00	0.57 ⁶	2.12 ⁶	3.37 ⁶	6.07 ⁶	0.11 ⁵	1.22 ⁶	3.49 ⁶	5.36 ⁶	9.30 ⁶	12.03 ⁶
12	12	0.35 ⁵	1.08 ⁶	2.54 ⁶	3.78 ⁶	6.41 ⁶	0.70 ⁶	1.75 ⁶	3.94 ⁶	5.82 ⁶	9.73 ⁶	12.46 ⁶
	16	0.00	0.63 ⁵	2.13 ⁶	3.36 ⁶	6.03 ⁶	0.19 ⁴	1.24 ⁶	3.43 ⁶	5.29 ⁶	9.18 ⁶	11.88 ⁶
	24	0.00	0.00	1.35 ⁴	2.56 ⁵	5.30 ⁶	0.00	0.31 ⁴	2.47 ⁵	4.31 ⁶	8.14 ⁶	10.77 ⁶
14	12	0.00	0.57 ⁴	2.02 ⁵	3.22 ⁶	5.87 ⁶	0.14 ⁴	1.12 ⁵	3.11 ⁶	4.87 ⁶	8.83 ⁶	11.50 ⁶
	16	0.00	0.01 ³	1.50 ⁴	2.68 ⁵	5.35 ⁶	0.00	0.52 ³	2.49 ⁴	4.21 ⁶	8.09 ⁶	10.69 ⁶
	24	0.00	0.00	0.54 ²	1.68 ³	4.38 ⁴	0.00	0.00	1.38 ³	3.02 ⁴	6.74 ⁵	9.21 ⁴
16	12	0.00	0.05 ³	1.47 ³	2.61 ⁴	5.21 ⁶	0.00	0.51 ³	2.28 ⁴	3.82 ⁵	7.28 ⁶	9.82 ⁶
	16	0.00	0.00	0.85 ²	1.95 ³	4.56 ⁴	0.00	0.00	1.60 ³	3.09 ⁴	6.44 ⁵	8.87 ⁴
	24	0.00	0.00	0.00	0.79 ²	3.38 ³	0.00	0.00	0.40 ²	1.80 ²	4.95 ³	7.18 ³

Wall Ht. (ft)	Spacing (in) o.c.	600S200-mils (Fy)					600S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.15 ⁶	3.56 ⁶	6.71 ⁶	9.27 ⁶	14.95 ⁶	19.31 ⁶	3.89 ⁶	6.92 ⁶	10.27 ⁶	17.50 ⁶	22.57 ⁶
	16	1.88 ⁶	3.27 ⁶	6.42 ⁶	9.00 ⁶	14.67 ⁶	19.02 ⁶	3.59 ⁶	6.63 ⁶	9.96 ⁶	17.19 ⁶	22.26 ⁶
	24	1.34 ⁶	2.69 ⁶	5.84 ⁶	8.45 ⁶	14.12 ⁶	18.44 ⁶	3.00 ⁶	6.07 ⁶	9.35 ⁶	16.58 ⁶	21.64 ⁶
9	12	1.90 ⁶	3.27 ⁶	6.35 ⁶	8.89 ⁶	14.48 ⁶	18.85 ⁶	3.60 ⁶	6.58 ⁶	9.84 ⁶	16.91 ⁶	21.88 ⁶
	16	1.56 ⁶	2.91 ⁶	5.98 ⁶	8.54 ⁶	14.12 ⁶	18.47 ⁶	3.22 ⁶	6.22 ⁶	9.45 ⁶	16.51 ⁶	21.48 ⁶
	24	0.90 ⁶	2.20 ⁶	5.26 ⁶	7.85 ⁶	13.42 ⁶	17.72 ⁶	2.49 ⁶	5.52 ⁶	8.68 ⁶	15.73 ⁶	20.68 ⁶
10	12	1.63 ⁶	2.96 ⁶	5.94 ⁶	8.45 ⁶	13.91 ⁶	18.17 ⁶	3.28 ⁶	6.20 ⁶	9.35 ⁶	16.22 ⁶	21.06 ⁶
	16	1.22 ⁶	2.51 ⁶	5.49 ⁶	8.01 ⁶	13.47 ⁶	17.69 ⁶	2.82 ⁶	5.75 ⁶	8.86 ⁶	15.72 ⁶	20.55 ⁶
	24	0.44 ⁶	1.67 ⁶	4.62 ⁶	7.18 ⁶	12.60 ⁶	16.75 ⁶	1.95 ⁶	4.90 ⁶	7.92 ⁶	14.76 ⁶	19.56 ⁶
12	12	1.03 ⁶	2.24 ⁶	4.98 ⁶	7.37 ⁶	12.50 ⁶	16.42 ⁶	2.55 ⁶	5.29 ⁶	8.18 ⁶	14.53 ⁶	19.03 ⁶
	16	0.50 ⁵	1.66 ⁶	4.37 ⁶	6.77 ⁶	11.86 ⁶	15.73 ⁶	1.94 ⁵	4.69 ⁶	7.51 ⁶	13.82 ⁶	18.30 ⁶
	24	0.00	0.57 ⁴	3.24 ⁵	5.65 ⁶	10.65 ⁶	14.41 ⁶	0.80 ³	3.56 ⁴	6.24 ⁵	12.49 ⁶	16.90 ⁶
14	12	0.42 ⁴	1.48 ⁶	3.92 ⁶	6.12 ⁶	10.77 ⁶	14.26 ⁶	1.76 ⁴	4.30 ⁶	6.85 ⁶	12.53 ⁶	16.60 ⁶
	16	0.00	0.79 ⁴	3.19 ⁵	5.39 ⁶	9.97 ⁶	13.37 ⁶	1.03 ³	3.56 ⁴	6.02 ⁵	11.54 ⁶	15.66 ⁶
	24	0.00	0.00	1.88 ³	4.06 ⁴	8.49 ⁶	11.73 ⁵	0.00 ²	2.21 ³	4.51 ³	10.00 ⁵	13.91 ⁶
16	12	0.00	0.76 ⁴	2.88 ⁵	4.84 ⁶	8.92 ⁶	11.92 ⁶	1.00 ³	3.32 ³	5.51 ⁵	10.43 ⁶	13.98 ⁶
	16	0.00	0.00 ³	2.09 ³	4.03 ⁴	8.01 ⁶	10.90 ⁵	0.17 ²	2.47 ³	4.56 ³	9.40 ⁵	12.89 ⁶
	24	0.00	0.00	0.70 ²	2.59 ³	6.37 ⁴	9.09 ³	0.00	0.98 ²	2.90 ²	7.59 ³	10.94 ⁴

Wall Ht. (ft)	Spacing (in) o.c.	600S300-mils (Fy)				600S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	8.94 ⁶	12.24 ⁶	21.24 ⁶	27.23 ⁶	9.47 ⁶	13.95 ⁶	23.13 ⁶	30.93 ⁶
	16	8.62 ⁶	11.93 ⁶	20.89 ⁶	26.90 ⁶	9.17 ⁶	13.62 ⁶	22.79 ⁶	30.59 ⁶
	24	8.01 ⁶	11.31 ⁶	20.20 ⁶	26.25 ⁶	8.58 ⁶	12.98 ⁶	22.09 ⁶	29.91 ⁶
9	12	8.52 ⁶	11.78 ⁶	20.48 ⁶	26.36 ⁶	9.06 ⁶	13.45 ⁶	22.43 ⁶	29.93 ⁶
	16	8.13 ⁶	11.38 ⁶	20.03 ⁶	25.94 ⁶	8.68 ⁶	13.03 ⁶	21.98 ⁶	29.49 ⁶
	24	7.35 ⁶	10.60 ⁶	19.15 ⁶	25.10 ⁶	7.93 ⁶	12.21 ⁶	21.09 ⁶	28.62 ⁶
10	12	8.05 ⁶	11.24 ⁶	19.60 ⁶	25.34 ⁶	8.60 ⁶	12.87 ⁶	21.62 ⁶	28.78 ⁶
	16	7.57 ⁶	10.75 ⁶	19.04 ⁶	24.81 ⁶	8.13 ⁶	12.35 ⁶	21.06 ⁶	28.23 ⁶
	24	6.63 ⁶	9.79 ⁶	17.95 ⁶	23.78 ⁶	7.22 ⁶	11.35 ⁶	19.95 ⁶	27.15 ⁶
12	12	6.96 ⁶	10.05 ⁶	17.52 ⁶	22.92 ⁶	7.52 ⁶	11.50 ⁶	19.73 ⁶	26.07 ⁶
	16	6.29 ⁶	9.35 ⁶	16.73 ⁶	22.15 ⁶	6.87 ⁶	10.78 ⁶	18.91 ⁶	25.27 ⁶
	24	5.04 ⁵	8.03 ⁶	15.22 ⁶	20.69 ⁶	5.64 ⁶	9.39 ⁶	17.34 ⁶	23.74 ⁶
14	12	5.74 ⁶	8.75 ⁶	15.13 ⁶	20.08 ⁶	6.31 ⁶	9.93 ⁶	17.40 ⁶	22.94 ⁶
	16	4.91 ⁵	7.85 ⁶	14.12 ⁶	19.09 ⁶	5.49 ⁵	9.00 ⁶	16.33 ⁶	21.89 ⁶
	24	3.43 ³	6.21 ⁴	12.26 ⁶	17.24 ⁶	4.01 ³	7.29 ⁴	14.34 ⁶	19.94 ⁶
16	12	4.49 ⁴	7.21 ⁵	12.63 ⁶	17.06 ⁶	5.05 ⁵	8.25 ⁶	14.62 ⁶	19.60 ⁶
	16	3.57 ³	6.18 ⁴	11.47 ⁶	15.89 ⁶	4.13 ³	7.18 ⁴	13.38 ⁶	18.36 ⁶
	24	1.94 ²	4.34 ²	9.41 ⁴	13.80 ⁴	2.48 ²	5.26 ³	11.17 ⁴	16.12 ⁵

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports

Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 30psf Lateral Load



Wall	Spacing (in) o.c.	800S137-mils (Fy)					800S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.30* ⁶	2.03 ⁶	3.25 ⁶	4.44 ⁶	6.93 ⁶	1.90* ⁶	2.89 ⁶	5.01 ⁶	6.83 ⁶	10.85 ⁶	13.95 ⁶
	16	1.14* ⁶	1.88 ⁶	3.12 ⁶	4.32 ⁶	6.81 ⁶	1.71* ⁶	2.70 ⁶	4.84 ⁶	6.67 ⁶	10.69 ⁶	13.81 ⁶
	24	0.82* ⁶	1.57 ⁶	2.87 ⁶	4.08 ⁶	6.59 ⁶	1.33* ⁶	2.33 ⁶	4.50 ⁶	6.34 ⁶	10.37 ⁶	13.53 ⁶
9	12	1.17* ⁶	1.91 ⁶	3.14 ⁶	4.34 ⁶	6.83 ⁶	1.75* ⁶	2.73 ⁶	4.87 ⁶	6.69 ⁶	10.71 ⁶	13.83 ⁶
	16	0.96* ⁶	1.71 ⁶	2.98 ⁶	4.18 ⁶	6.68 ⁶	1.50* ⁶	2.50 ⁶	4.65 ⁶	6.48 ⁶	10.51 ⁶	13.65 ⁶
	24	0.56* ⁶	1.32 ⁶	2.66 ⁶	3.88 ⁶	6.39 ⁶	1.02* ⁶	2.03 ⁶	4.22 ⁶	6.07 ⁶	10.09 ⁶	13.29 ⁶
10	12	1.02* ⁶	1.76 ⁶	3.02 ⁶	4.22 ⁶	6.72 ⁶	1.57* ⁶	2.56 ⁶	4.70 ⁶	6.53 ⁶	10.55 ⁶	13.69 ⁶
	16	0.77* ⁶	1.52 ⁶	2.83 ⁶	4.03 ⁶	6.54 ⁶	1.27* ⁶	2.27 ⁶	4.43 ⁶	6.27 ⁶	10.29 ⁶	13.46 ⁶
	24	0.28* ⁶	1.04 ⁶	2.43 ⁶	3.65 ⁶	6.18 ⁶	0.68* ⁶	1.70 ⁶	3.91 ⁶	5.75 ⁶	9.78 ⁶	13.01 ⁶
12	12	0.68* ⁶	1.43 ⁶	2.74 ⁶	3.95 ⁶	6.45 ⁶	1.16* ⁶	2.15 ⁶	4.31 ⁶	6.14 ⁶	10.16 ⁶	13.33 ⁶
	16	0.33* ⁶	1.09 ⁶	2.46 ⁶	3.67 ⁶	6.19 ⁶	0.74* ⁶	1.74 ⁶	3.93 ⁶	5.76 ⁶	9.77 ⁶	12.99 ⁶
	24	0.00* ⁶	0.42 ⁶	1.90 ⁶	3.12 ⁶	5.66 ⁶	0.00* ⁶	0.94 ⁶	3.17 ⁶	5.01 ⁶	9.02 ⁶	12.32 ⁶
14	12	0.29* ⁶	1.04 ⁶	2.40 ⁶	3.61 ⁶	6.12 ⁶	0.69* ⁶	1.68 ⁶	3.84 ⁶	5.66 ⁶	9.65 ⁶	12.88 ⁶
	16	0.00* ⁶	0.59 ⁶	2.02 ⁶	3.24 ⁶	5.76 ⁶	0.15* ⁵	1.14 ⁶	3.32 ⁶	5.14 ⁶	9.12 ⁶	12.40 ⁶
	24	0.00* ⁶	0.00	1.28 ⁵	2.50 ⁶	5.04 ⁶	0.00* ⁶	0.12 ⁵	2.33 ⁶	4.14 ⁶	8.08 ⁶	11.46 ⁶
16	12	0.00* ⁶	0.61 ⁶	2.02 ⁶	3.22 ⁶	5.73 ⁶	0.19* ⁵	1.15 ⁶	3.29 ⁶	5.09 ⁶	9.03 ⁶	12.29 ⁶
	16	0.00* ⁶	0.06 ⁴	1.53 ⁵	2.73 ⁶	5.24 ⁶	0.00* ⁶	0.49 ⁵	2.63 ⁶	4.42 ⁶	8.33 ⁶	11.65 ⁶
	24	0.00* ⁶	0.00	0.61 ³	1.81 ⁴	4.31 ⁶	0.00* ⁶	0.00	1.41 ⁴	3.16 ⁵	6.99 ⁶	10.41 ⁶

Wall	Spacing (in) o.c.	800S200-mils (Fy)					800S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.44* ⁶	3.93 ⁶	7.21 ⁶	9.80 ⁶	15.51 ⁶	20.00 ⁶	4.33 ⁶	7.63 ⁶	11.23 ⁶	19.21 ⁶	25.30 ⁶
	16	2.23* ⁶	3.71 ⁶	6.99 ⁶	9.60 ⁶	15.33 ⁶	19.82 ⁶	4.10 ⁶	7.42 ⁶	11.00 ⁶	18.99 ⁶	25.08 ⁶
	24	1.82* ⁶	3.28 ⁶	6.57 ⁶	9.21 ⁶	14.96 ⁶	19.45 ⁶	3.65 ⁶	6.99 ⁶	10.55 ⁶	18.55 ⁶	24.63 ⁶
9	12	2.27* ⁶	3.74 ⁶	7.02 ⁶	9.63 ⁶	15.35 ⁶	19.84 ⁶	4.13 ⁶	7.42 ⁶	10.99 ⁶	18.93 ⁶	25.02 ⁶
	16	2.01* ⁶	3.47 ⁶	6.75 ⁶	9.38 ⁶	15.11 ⁶	19.60 ⁶	3.84 ⁶	7.14 ⁶	10.70 ⁶	18.65 ⁶	24.73 ⁶
	24	1.49* ⁶	2.92 ⁶	6.21 ⁶	8.88 ⁶	14.63 ⁶	19.13 ⁶	3.28 ⁶	6.60 ⁶	10.12 ⁶	18.08 ⁶	24.15 ⁶
10	12	2.07* ⁶	3.54 ⁶	6.81 ⁶	9.43 ⁶	15.16 ⁶	19.65 ⁶	3.90 ⁶	7.17 ⁶	10.71 ⁶	18.60 ⁶	24.59 ⁶
	16	1.75* ⁶	3.20 ⁶	6.47 ⁶	9.12 ⁶	14.85 ⁶	19.35 ⁶	3.55 ⁶	6.83 ⁶	10.35 ⁶	18.24 ⁶	24.23 ⁶
	24	1.12* ⁶	2.53 ⁶	5.80 ⁶	8.50 ⁶	14.25 ⁶	18.75 ⁶	2.86 ⁶	6.16 ⁶	9.64 ⁶	17.53 ⁶	23.51 ⁶
12	12	1.63* ⁶	3.05 ⁶	6.30 ⁶	8.95 ⁶	14.68 ⁶	19.16 ⁶	3.37 ⁶	6.56 ⁶	10.03 ⁶	17.76 ⁶	23.47 ⁶
	16	1.17* ⁶	2.57 ⁶	5.81 ⁶	8.49 ⁶	14.22 ⁶	18.71 ⁶	2.87 ⁶	6.08 ⁶	9.50 ⁶	17.23 ⁶	22.93 ⁶
	24	0.30* ⁶	1.64 ⁶	4.85 ⁶	7.59 ⁶	13.33 ⁶	17.82 ⁶	1.91 ⁶	5.14 ⁶	8.48 ⁶	16.18 ⁶	21.87 ⁶
14	12	1.10* ⁶	2.46 ⁶	5.59 ⁶	8.29 ⁶	14.05 ⁶	18.52 ⁶	2.74 ⁶	5.82 ⁶	9.12 ⁶	16.56 ⁶	21.96 ⁶
	16	0.52* ⁶	1.83 ⁶	4.94 ⁶	7.66 ⁶	13.41 ⁶	17.87 ⁶	2.10 ⁶	5.18 ⁶	8.42 ⁶	15.84 ⁶	21.22 ⁶
	24	0.00* ⁶	0.64 ⁶	3.69 ⁶	6.45 ⁶	12.17 ⁶	16.61 ⁶	0.87 ⁴	3.96 ⁵	7.07 ⁶	14.43 ⁶	19.78 ⁶
16	12	0.54* ⁶	1.79 ⁶	4.71 ⁶	7.30 ⁶	12.92 ⁶	17.45 ⁶	2.06 ⁶	4.98 ⁶	8.03 ⁶	15.00 ⁶	20.10 ⁶
	16	0.00* ⁶	1.03 ⁶	3.91 ⁶	6.52 ⁶	12.09 ⁶	16.58 ⁶	1.27 ⁴	4.19 ⁵	7.15 ⁶	14.08 ⁶	19.14 ⁶
	24	0.00* ⁶	0.37	2.42 ⁵	5.06 ⁶	10.53 ⁶	14.94 ⁶	0.00	2.73 ³	5.52 ⁶	12.33 ⁶	17.34 ⁶

Wall	Spacing (in) o.c.	800S300-mils (Fy)				800S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	9.84 ⁶	13.40 ⁶	23.21 ⁶	30.63 ⁶	10.38 ⁶	15.16 ⁶	25.31 ⁶	33.84 ⁶
	16	9.60 ⁶	13.17 ⁶	22.96 ⁶	30.40 ⁶	10.16 ⁶	14.92 ⁶	25.06 ⁶	33.58 ⁶
	24	9.14 ⁶	12.71 ⁶	22.46 ⁶	29.92 ⁶	9.71 ⁶	14.44 ⁶	24.56 ⁶	33.06 ⁶
9	12	9.57 ⁶	13.12 ⁶	22.85 ⁶	30.16 ⁶	10.12 ⁶	14.86 ⁶	24.95 ⁶	33.37 ⁶
	16	9.28 ⁶	12.83 ⁶	22.52 ⁶	29.85 ⁶	9.83 ⁶	14.55 ⁶	24.63 ⁶	33.03 ⁶
	24	8.69 ⁶	12.24 ⁶	21.88 ⁶	29.24 ⁶	9.26 ⁶	13.94 ⁶	23.99 ⁶	32.36 ⁶
10	12	9.27 ⁶	12.79 ⁶	22.42 ⁶	29.58 ⁶	9.81 ⁶	14.50 ⁶	24.53 ⁶	32.81 ⁶
	16	8.90 ⁶	12.42 ⁶	22.02 ⁶	29.20 ⁶	9.45 ⁶	14.12 ⁶	24.13 ⁶	32.39 ⁶
	24	8.17 ⁶	11.70 ⁶	21.21 ⁶	28.44 ⁶	8.75 ⁶	13.36 ⁶	23.33 ⁶	31.55 ⁶
12	12	8.53 ⁶	11.98 ⁶	21.36 ⁶	28.13 ⁶	9.08 ⁶	13.64 ⁶	23.31 ⁶	31.45 ⁶
	16	8.01 ⁶	11.45 ⁶	20.76 ⁶	27.56 ⁶	8.57 ⁶	13.08 ⁶	22.71 ⁶	30.82 ⁶
	24	6.98 ⁶	10.41 ⁶	19.59 ⁶	26.45 ⁶	7.57 ⁶	12.00 ⁶	21.54 ⁶	29.58 ⁶
14	12	7.64 ⁶	10.98 ⁶	19.90 ⁶	26.27 ⁶	8.20 ⁶	12.56 ⁶	21.80 ⁶	29.55 ⁶
	16	6.94 ⁶	10.26 ⁶	19.09 ⁶	25.49 ⁶	7.52 ⁵	11.82 ⁶	20.99 ⁶	28.68 ⁶
	24	5.61 ⁶	8.89 ⁶	17.50 ⁶	23.98 ⁶	6.22 ⁶	10.38 ⁶	19.40 ⁶	26.97 ⁶
16	12	6.64 ⁶	9.81 ⁶	18.01 ⁶	24.08 ⁶	7.20 ⁶	11.32 ⁶	20.06 ⁶	27.06 ⁶
	16	5.77 ⁶	8.92 ⁶	16.97 ⁶	23.07 ⁶	6.36 ⁶	10.37 ⁶	19.01 ⁶	25.93 ⁶
	24	4.16 ⁴	7.24 ⁵	15.01 ⁶	21.16 ⁶	4.78 ⁴	8.59 ⁶	17.01 ⁶	23.78 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- Ky & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 30psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	1000S162-mils (Fy)					1000S200-mils (Fy)				
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.91*	4.88	6.64	10.57	13.52 ⁶	4.01*	7.19	9.71	15.39	19.91 ⁶
	16	2.77*	4.75	6.52	10.45	13.38 ⁶	3.84*	7.03	9.55	15.24	19.75 ⁶
	24	2.48*	4.50	6.28	10.21	13.10 ⁶	3.51*	6.70	9.24	14.94	19.44 ⁶
9	12	2.79*	4.77	6.54	10.47	13.40 ⁶	3.87*	7.05	9.57	15.27	19.78 ⁶
	16	2.61*	4.61	6.39	10.32	13.22 ⁶	3.66*	6.84	9.37	15.07	19.57 ⁶
	24	2.24*	4.29	6.07	10.02	12.87 ⁶	3.23*	6.43	8.97	14.68	19.17 ⁶
10	12	2.66*	4.65	6.43	10.36	13.27 ⁶	3.71*	6.90	9.42	15.12	19.62 ⁶
	16	2.43*	4.45	6.23	10.17	13.05 ⁶	3.45*	6.64	9.17	14.88	19.37 ⁶
	24	1.98*	4.05	5.84	9.80	12.61 ⁶	2.92*	6.12	8.68	14.39	18.86 ⁶
12	12	2.35*	4.37	6.15	10.09	12.95 ⁶	3.35*	6.53	9.06	14.76	19.25 ⁶
	16	2.02*	4.08	5.87	9.82	12.63 ⁶	2.96*	6.15	8.70	14.41	18.87 ⁶
	24	1.38*	3.50	5.31	9.27	11.99 ⁶	2.21*	5.41	7.97	13.69	18.13 ⁶
14	12	1.98*	4.03	5.82	9.76	12.56 ⁶	2.91*	6.08	8.62	14.32	18.77 ⁶
	16	1.54*	3.63	5.43	9.38	12.11 ⁶	2.39*	5.56	8.12	13.82	18.25 ⁶
	24	0.68*	2.85	4.66	8.63	11.23 ⁶	1.39*	4.55	7.12	12.83	17.21 ⁶
16	12	1.55*	3.63	5.42	9.36	12.08 ⁶	2.40*	5.54	8.09	13.77	18.18 ⁶
	16	1.00*	3.11	4.91	8.86	11.49 ⁶	1.74*	4.87	7.42	13.10	17.47 ⁶
	24	0.00* ⁷	2.11	3.92	7.88	10.32 ⁶	0.49*	3.59	6.14	11.80	16.09 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S250-mils (Fy)					1000S300-mils (Fy)			
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	4.51* ⁶	7.84 ⁶	11.47 ⁶	19.48 ⁶	25.47 ⁶	10.27 ⁶	13.95 ⁶	24.14 ⁶	32.20 ⁶
	16	4.33* ⁶	7.67 ⁶	11.30 ⁶	19.32 ⁶	25.29 ⁶	10.09 ⁶	13.77 ⁶	23.95 ⁶	32.02 ⁶
	24	3.97* ⁶	7.34 ⁶	10.95 ⁶	18.98 ⁶	24.93 ⁶	9.72 ⁶	13.41 ⁶	23.56 ⁶	31.65 ⁶
9	12	4.36* ⁶	7.70 ⁶	11.32 ⁶	19.34 ⁶	25.32 ⁶	10.09 ⁶	13.76 ⁶	23.91 ⁶	31.92 ⁶
	16	4.13* ⁶	7.49 ⁶	11.10 ⁶	19.13 ⁶	25.08 ⁶	9.85 ⁶	13.53 ⁶	23.66 ⁶	31.69 ⁶
	24	3.68* ⁶	7.06 ⁶	10.65 ⁶	18.70 ⁶	24.62 ⁶	9.38 ⁶	13.07 ⁶	23.17 ⁶	31.22 ⁶
10	12	4.20* ⁶	7.54 ⁶	11.16 ⁶	19.18 ⁶	25.14 ⁶	9.88 ⁶	13.54 ⁶	23.64 ⁶	31.59 ⁶
	16	3.91* ⁶	7.28 ⁶	10.88 ⁶	18.91 ⁶	24.84 ⁶	9.58 ⁶	13.25 ⁶	23.33 ⁶	31.29 ⁶
	24	3.36* ⁶	6.75 ⁶	10.32 ⁶	18.37 ⁶	24.26 ⁶	9.00 ⁶	12.68 ⁶	22.71 ⁶	30.70 ⁶
12	12	3.81* ⁶	7.16 ⁶	10.75 ⁶	18.78 ⁶	24.70 ⁶	9.36 ⁶	12.99 ⁶	22.95 ⁶	30.71 ⁶
	16	3.40* ⁶	6.77 ⁶	10.34 ⁶	18.38 ⁶	24.26 ⁶	8.93 ⁶	12.57 ⁶	22.49 ⁶	30.28 ⁶
	24	2.60* ⁶	6.01 ⁶	9.53 ⁶	17.58 ⁶	23.39 ⁶	8.09 ⁶	11.74 ⁶	21.59 ⁶	29.41 ⁶
14	12	3.33* ⁶	6.67 ⁶	10.23 ⁶	18.27 ⁶	24.13 ⁶	8.71 ⁶	12.29 ⁶	22.05 ⁶	29.52 ⁶
	16	2.78* ⁶	6.14 ⁶	9.66 ⁶	17.71 ⁶	23.52 ⁶	8.14 ⁶	11.72 ⁶	21.42 ⁶	28.92 ⁶
	24	1.72* ⁶	5.10 ⁶	8.55 ⁶	16.61 ⁶	22.30 ⁶	7.01 ⁶	10.60 ⁶	20.17 ⁶	27.73 ⁶
16	12	2.77* ⁶	6.03 ⁶	9.50 ⁶	17.45 ⁶	23.21 ⁶	7.94 ⁶	11.44 ⁶	20.94 ⁶	28.01 ⁶
	16	2.08* ⁶	5.35 ⁶	8.77 ⁶	16.70 ⁶	22.39 ⁶	7.21 ⁶	10.71 ⁶	20.11 ⁶	27.22 ⁶
	24	0.76* ⁵	4.04 ⁶	7.35 ⁶	15.25 ⁶	20.78 ⁶	5.79 ⁶	9.27 ⁶	18.49 ⁶	25.67 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	10.84 ⁶	15.76 ⁶	26.21 ⁶	35.38 ⁶
	16	10.66 ⁶	15.57 ⁶	26.02 ⁶	35.19 ⁶
	24	10.30 ⁶	15.19 ⁶	25.63 ⁶	34.81 ⁶
9	12	10.65 ⁶	15.55 ⁶	25.97 ⁶	35.09 ⁶
	16	10.42 ⁶	15.31 ⁶	25.73 ⁶	34.84 ⁶
	24	9.97 ⁶	14.83 ⁶	25.23 ⁶	34.36 ⁶
10	12	10.43 ⁶	15.30 ⁶	25.70 ⁶	34.74 ⁶
	16	10.15 ⁶	15.00 ⁶	25.39 ⁶	34.44 ⁶
	24	9.59 ⁶	14.41 ⁶	24.77 ⁶	33.84 ⁶
12	12	9.91 ⁶	14.71 ⁶	25.01 ⁶	33.87 ⁶
	16	9.50 ⁶	14.27 ⁶	24.55 ⁶	33.42 ⁶
	24	8.69 ⁶	13.41 ⁶	23.65 ⁶	32.54 ⁶
14	12	9.26 ⁶	13.95 ⁶	24.12 ⁶	32.74 ⁶
	16	8.71 ⁶	13.36 ⁶	23.49 ⁶	32.12 ⁶
	24	7.62 ²	12.19 ⁶	22.24 ⁶	30.89 ⁶
16	12	8.50 ⁶	13.06 ⁶	22.88 ⁶	31.38 ⁶
	16	7.79 ⁶	12.29 ⁶	22.05 ⁶	30.55 ⁶
	24	6.41 ⁶	10.79 ⁶	20.43 ⁶	28.93 ⁶

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0

Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 30psf Lateral Load



Wall Ht. (ft)	Spacing (in) o.c.	1200S162-mils (Fy)			1200S200-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	4.69* ⁶	6.38 ⁶	10.15 ⁶	6.39* ⁶	9.35 ⁶	15.16 ⁶
	16	4.59* ⁶	6.28 ⁶	10.05 ⁶	6.27* ⁶	9.22 ⁶	15.04 ⁶
	24	4.38* ⁶	6.08 ⁶	9.87 ⁶	6.04* ⁶	8.97 ⁶	14.80 ⁶
9	12	4.61* ⁶	6.30 ⁶	10.07 ⁶	6.30* ⁶	9.25 ⁶	15.06 ⁶
	16	4.48* ⁶	6.17 ⁶	9.95 ⁶	6.15* ⁶	9.38 ⁶	14.91 ⁶
	24	4.21* ⁶	5.92 ⁶	9.72 ⁶	5.85* ⁶	9.10 ⁶	14.60 ⁶
10	12	4.51* ⁶	6.21 ⁶	9.99 ⁶	6.19* ⁶	9.13 ⁶	14.95 ⁶
	16	4.35* ⁶	6.05 ⁶	9.84 ⁶	6.01* ⁶	8.93 ⁶	14.76 ⁶
	24	4.02* ⁶	5.74 ⁶	9.55 ⁶	5.64* ⁶	8.54 ⁶	14.37 ⁶
12	12	4.29* ⁶	6.00 ⁶	9.79 ⁶	5.95* ⁶	8.86 ⁶	14.68 ⁶
	16	4.05* ⁶	5.77 ⁶	9.57 ⁶	5.68* ⁶	8.57 ⁶	14.40 ⁶
	24	3.58* ⁶	5.32 ⁶	9.15 ⁶	5.15* ⁶	8.00 ⁶	13.84 ⁶
14	12	4.02* ⁶	5.74 ⁶	9.54 ⁶	5.66* ⁶	8.52 ⁶	14.35 ⁶
	16	3.69* ⁶	5.43 ⁶	9.25 ⁶	5.30* ⁶	8.13 ⁶	13.96 ⁶
	24	3.05* ⁶	4.82 ⁶	8.67 ⁶	4.57* ⁶	7.34 ⁶	13.19 ⁶
16	12	3.70* ⁶	5.43 ⁶	9.25 ⁶	5.33* ⁶	8.13 ⁶	13.95 ⁶
	16	3.28* ⁶	5.03 ⁶	8.87 ⁶	4.85* ⁶	7.61 ⁶	13.43 ⁶
	24	2.45* ⁶	4.23 ⁶	8.11 ⁶	3.91* ⁶	6.58 ⁶	12.41 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1200S250-mils (Fy)			1200S300-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	7.38* ⁶	10.77 ⁶	19.13 ⁶	10.20* ⁶	14.10 ⁶	24.33 ⁶
	16	7.25* ⁶	10.64 ⁶	18.99 ⁶	10.05* ⁶	13.96 ⁶	24.17 ⁶
	24	6.99* ⁶	10.37 ⁶	18.70 ⁶	9.75* ⁶	13.66 ⁶	23.86 ⁶
9	12	7.27* ⁶	10.66 ⁶	19.01 ⁶	10.07* ⁶	13.98 ⁶	24.20 ⁶
	16	7.11* ⁶	10.49 ⁶	18.83 ⁶	9.88* ⁶	13.79 ⁶	24.00 ⁶
	24	6.79* ⁶	10.15 ⁶	18.47 ⁶	9.50* ⁶	13.41 ⁶	23.60 ⁶
10	12	7.16* ⁶	10.53 ⁶	18.88 ⁶	9.93* ⁶	13.84 ⁶	24.05 ⁶
	16	6.96* ⁶	10.32 ⁶	18.65 ⁶	9.70* ⁶	13.61 ⁶	23.80 ⁶
	24	6.56* ⁶	9.90 ⁶	18.20 ⁶	9.22* ⁶	13.14 ⁶	23.30 ⁶
12	12	6.90* ⁶	10.24 ⁶	18.56 ⁶	9.60* ⁶	13.51 ⁶	23.69 ⁶
	16	6.61* ⁶	9.93 ⁶	18.22 ⁶	9.26* ⁶	13.17 ⁶	23.33 ⁶
	24	6.04* ⁶	9.31 ⁶	17.56 ⁶	8.57* ⁶	12.48 ⁶	22.60 ⁶
14	12	6.59* ⁶	9.88 ⁶	18.16 ⁶	9.20* ⁶	13.03 ⁶	23.19 ⁶
	16	6.20* ⁶	9.45 ⁶	17.69 ⁶	8.72* ⁶	12.56 ⁶	22.68 ⁶
	24	5.42* ⁶	8.60 ⁶	16.77 ⁶	7.78* ⁶	11.62 ⁶	21.67 ⁶
16	12	6.23* ⁶	9.45 ⁶	17.67 ⁶	8.72* ⁶	12.40 ⁶	22.40 ⁶
	16	5.72* ⁶	8.88 ⁶	17.06 ⁶	8.09* ⁶	11.79 ⁶	21.72 ⁶
	24	4.70* ⁶	7.77 ⁶	15.84 ⁶	6.87* ⁶	10.57 ⁶	20.40 ⁶

Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 40psf Lateral Load

Wall	Spacing	250S137-mils (Fy)					2250S162-mils (Fy)				
		Ht. (ft)	(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)
8	12	0.00	0.19 ¹	0.92 ²	1.48 ²	2.66 ³	0.00	0.40 ¹	1.24 ²	1.87 ²	3.21 ³
	16	0.00	0.00	0.62 ¹	1.15 ¹	2.26 ²	0.00	0.03 ¹	0.92 ¹	1.53 ²	2.80 ²
	24	0.00	0.00	0.10 ¹	0.58 ¹	1.56 ¹	0.00	0.00	0.35 ¹	0.91 ¹	2.07 ¹
9	12	0.00	0.00	0.60 ¹	1.06 ¹	1.99 ²	0.00	0.09 ¹	0.86 ¹	1.38 ²	2.46 ²
	16	0.00	0.00	0.29 ¹	0.73 ¹	1.59 ¹	0.00	0.00	0.52 ¹	1.03 ¹	2.05 ²
	24	0.00	0.00	0.00	0.15	0.90 ¹	0.00	0.00	0.00	0.40 ¹	1.32 ¹
10	12	0.00	0.00	0.33 ¹	0.71 ¹	1.45 ¹	0.00	0.00	0.54 ¹	0.98 ¹	1.86 ¹
	16	0.00	0.00	0.03	0.38	1.07 ¹	0.00	0.00	0.21	0.62 ¹	1.45 ¹
	24	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.02	0.74
12	12	0.00	0.00	0.00	0.22	0.70	0.00	0.00	0.09	0.39	0.99 ¹
	16	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.06	0.61
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	12	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.03	0.44
	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Wall	Spacing	350S162-mils (Fy)					350S200-mils (Fy)				
		Ht. (ft)	(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)
8	12	0.43 ⁴	1.11 ⁵	2.64 ⁶	3.72 ⁶	6.15 ⁶	0.66 ³	1.59 ³	3.42 ⁶	4.83 ⁶	7.66 ⁶
	16	0.00	0.65 ⁴	2.20 ⁵	3.26 ⁶	5.69 ⁶	0.17 ²	1.08 ³	2.91 ⁴	4.32 ⁵	7.17 ⁶
	24	0.00	0.00	1.39 ³	2.42 ⁴	4.84 ⁶	0.00	0.14 ²	1.98 ³	3.39 ³	6.25 ⁵
9	12	0.07 ³	0.69 ⁴	2.08 ⁵	3.06 ⁶	5.28 ⁶	0.25 ²	1.09 ³	2.75 ⁴	4.03 ⁵	6.63 ⁶
	16	0.00	0.17 ³	1.60 ³	2.55 ⁴	4.75 ⁶	0.00	0.52 ²	2.18 ³	3.46 ³	6.06 ⁵
	24	0.00	0.00	0.72 ²	1.63 ³	3.80 ⁴	0.00	0.00	1.18 ²	2.44 ²	5.03 ³
10	12	0.00	0.29 ³	1.56 ³	2.43 ⁴	4.41 ⁶	0.00	0.63 ²	2.10 ³	3.26 ³	5.60 ⁵
	16	0.00	0.00	1.05 ²	1.89 ³	3.84 ⁴	0.00	0.03 ¹	1.51 ²	2.65 ²	4.99 ³
	24	0.00	0.00	0.15 ¹	0.93 ²	2.83 ³	0.00	0.00	0.48 ¹	1.59 ¹	3.90 ²
12	12	0.00	0.00	0.70 ²	1.35 ²	2.86 ³	0.00	0.00	1.04 ¹	1.94 ²	3.75 ²
	16	0.00	0.00	0.20 ¹	0.81 ²	2.29 ²	0.00	0.00	0.46 ¹	1.33 ¹	3.13 ²
	24	0.00	0.00	0.00	0.00	1.29 ¹	0.00	0.00	0.00	0.30 ¹	2.03 ¹
14	12	0.00	0.00	0.13 ¹	0.60 ¹	1.75 ²	0.00	0.00	0.33 ¹	1.01 ¹	2.41
	16	0.00	0.00	0.00	0.09 ¹	1.21 ¹	0.00	0.00	0.00	0.46 ¹	1.81
	24	0.00	0.00	0.00	0.00	0.28 ¹	0.00	0.00	0.00	0.00	0.79
16	12	0.00	0.00	0.00	0.11 ¹	0.99 ¹	0.00	0.00	0.00	0.39	1.48 ¹
	16	0.00	0.00	0.00	0.00	0.49 ¹	0.00	0.00	0.00	0.00	0.93
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Wall	Spacing	362S137-mils (Fy)					362S162-mils (Fy)					
		Ht. (ft)	(in) o.c.	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)
8	12	0.24 ⁴	0.81 ⁵	2.11 ⁶	3.10 ⁶	4.99 ⁶	0.50 ⁵	1.21 ⁶	2.82 ⁶	4.01 ⁶	6.57 ⁶	8.39 ⁶
	16	0.00	0.38 ⁴	1.71 ⁵	2.67 ⁶	4.59 ⁵	0.06 ³	0.75 ⁴	2.37 ⁵	3.54 ⁶	6.11 ⁶	7.90 ⁶
	24	0.00	0.00	0.97 ³	1.88 ⁴	3.85 ³	0.00	0.00	1.56 ³	2.68 ⁴	5.25 ⁶	6.97 ⁶
9	12	0.00	0.44 ³	1.66 ⁴	2.55 ⁵	4.56 ⁵	0.13 ³	0.78 ⁴	2.27 ⁵	3.34 ⁶	5.71 ⁶	7.33 ⁶
	16	0.00	0.00	1.21 ³	2.07 ⁴	4.07 ⁴	0.00	0.26 ³	1.77 ⁴	2.82 ⁵	5.17 ⁶	6.75 ⁵
	24	0.00	0.00	0.39 ²	1.19 ²	3.17 ²	0.00	0.00	0.87 ²	1.86 ³	4.19 ⁴	5.69 ³
10	12	0.00	0.09 ²	1.22 ³	2.01 ⁴	3.91 ⁴	0.00	0.38 ³	1.74 ⁴	2.69 ⁵	4.82 ⁶	6.24 ⁵
	16	0.00	0.00	0.74 ²	1.49 ³	3.36 ³	0.00	0.00	1.21 ³	2.12 ³	4.24 ⁵	5.61 ⁴
	24	0.00	0.00	0.00	0.57 ²	2.38 ²	0.00	0.00	0.27 ²	1.12 ²	3.19 ³	4.48 ²
12	12	0.00	0.00	0.48 ²	1.06 ²	2.52 ²	0.00	0.00	0.84 ²	1.55 ²	3.20 ³	4.24 ³
	16	0.00	0.00	0.00	0.54 ¹	1.96 ¹	0.00	0.00	0.30 ¹	0.97 ²	2.60 ²	3.59 ²
	24	0.00	0.00	0.00	0.00	0.99 ¹	0.00	0.00	0.00	0.00	1.55 ¹	2.46 ¹
14	12	0.00	0.00	0.00	0.39 ³	1.49 ¹	0.00	0.00	0.21 ¹	0.73 ¹	2.00 ²	2.75 ²
	16	0.00	0.00	0.00	0.00	0.96 ¹	0.00	0.00	0.00	0.19 ¹	1.43 ¹	2.14 ¹
	24	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.44 ¹	1.09 ¹
16	12	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.19 ¹	1.17 ¹	1.73 ¹
	16	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.64 ¹	1.16 ¹
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20

Notes:
 • ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
 • ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0



Wall	Spacing (in) o.c.	362S200-mils (Fy)						362S250-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	0.74 ³	1.71 ⁶	3.65 ⁶	5.18 ⁶	8.17 ⁶	10.24 ⁶	2.03 ⁶	4.19 ⁶	6.08 ⁶	9.59 ⁶	11.96 ⁶
	16	0.25 ⁴	1.20 ⁵	3.14 ⁶	4.67 ⁶	7.68 ⁶	9.73 ⁶	1.47 ⁴	3.64 ⁵	5.50 ⁶	9.07 ⁶	11.44 ⁶
	24	0.00	0.26 ³	2.19 ⁴	3.72 ⁴	6.76 ⁶	8.75 ⁶	0.45 ³	2.62 ³	4.43 ⁴	8.09 ⁶	10.43 ⁶
9	12	0.32 ⁴	1.21 ⁵	2.97 ⁶	4.37 ⁶	7.14 ⁶	9.01 ⁶	1.49 ⁴	3.49 ⁵	5.15 ⁶	8.44 ⁶	10.62 ⁶
	16	0.00	0.64 ⁴	2.40 ⁴	3.79 ⁶	6.57 ⁶	8.41 ⁶	0.86 ³	2.86 ⁴	4.49 ⁵	7.83 ⁶	10.00 ⁶
	24	0.00	0.00	1.36 ³	2.73 ⁴	5.51 ⁵	7.29 ⁴	0.00	1.72 ²	3.30 ³	6.70 ⁴	8.83 ⁵
10	12	0.00	0.74 ³	2.32 ⁴	3.58 ⁵	6.10 ⁶	7.76 ⁶	0.97 ³	2.81 ³	4.24 ⁴	7.28 ⁶	9.24 ⁶
	16	0.00	0.13 ²	1.71 ³	2.95 ⁴	5.47 ⁶	7.09 ⁴	0.28 ²	2.12 ²	3.54 ³	6.60 ⁴	8.54 ⁵
	24	0.00	0.00	0.64 ²	1.85 ²	4.34 ⁴	5.89 ³	0.00	0.91 ¹	2.27 ²	5.38 ³	7.26 ³
12	12	0.00	0.00	1.21 ²	2.19 ³	4.17 ⁴	5.42 ³	0.06	1.53 ²	2.64 ²	5.10 ³	6.63 ⁴
	16	0.00	0.00	0.60 ²	1.55 ²	3.51 ³	4.72 ²	0.00	0.83 ¹	1.91 ²	4.38 ²	5.87 ³
	24	0.00	0.00	0.00	0.45 ¹	2.36 ²	3.49 ¹	0.00	0.00	0.65 ¹	3.11 ¹	4.54 ²
14	12	0.00	0.00	0.43 ¹	1.18 ²	2.71 ²	3.64 ²	0.00	0.61 ¹	1.46 ¹	3.40 ²	4.57 ²
	16	0.00	0.00	0.00	0.58 ¹	2.08 ²	2.97 ¹	0.00	0.00	0.77 ¹	2.71 ¹	3.84 ²
	24	0.00	0.00	0.00	0.00	1.00 ¹	1.81 ¹	0.00	0.00	0.00	1.50 ¹	2.56 ¹
16	12	0.00	0.00	0.00	0.50 ¹	1.70 ¹	2.40 ¹	0.00	0.00	0.66 ¹	2.21 ¹	3.11 ¹
	16	0.00	0.00	0.00	0.00	1.12 ¹	1.74 ¹	0.00	0.00	0.02	1.55 ¹	2.42 ¹
	24	0.00	0.00	0.00	0.00	0.11	0.71	0.00	0.00	0.00	0.43	1.23

Wall	Spacing (in) o.c.	362S300-mils (Fy)				362S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	5.56 ⁶	7.97 ⁶	12.10 ⁶	15.13 ⁶	6.08 ⁶	9.18 ⁶	14.19 ⁶	17.76 ⁶
	16	4.98 ⁶	7.33 ⁶	11.48 ⁶	14.55 ⁶	5.48 ⁶	8.52 ⁶	13.50 ⁶	17.15 ⁶
	24	3.89 ⁴	6.13 ⁶	10.31 ⁶	13.45 ⁶	4.35 ⁴	7.27 ⁶	12.20 ⁶	15.97 ⁶
9	12	4.72 ⁶	6.82 ⁶	10.65 ⁶	13.47 ⁶	5.22 ⁶	8.00 ⁶	12.51 ⁶	15.87 ⁶
	16	4.05 ⁴	6.09 ⁵	9.92 ⁶	12.79 ⁶	4.52 ⁵	7.23 ⁶	11.70 ⁶	15.13 ⁶
	24	2.83 ³	4.75 ³	8.57 ⁵	11.50 ⁶	3.25 ³	5.81 ⁴	10.21 ⁶	13.76 ⁶
10	12	3.89 ⁴	5.69 ⁵	9.18 ⁶	11.78 ⁶	4.36 ⁴	6.81 ⁶	10.82 ⁶	13.93 ⁶
	16	3.16 ³	4.90 ⁴	8.37 ⁵	11.01 ⁶	3.59 ³	5.96 ⁴	9.92 ⁶	13.10 ⁶
	24	1.87 ²	3.49 ²	6.92 ³	9.59 ⁴	2.21 ²	4.43 ³	8.30 ⁴	11.57 ⁵
12	12	2.40 ²	3.69 ³	6.46 ⁴	8.57 ⁵	2.77 ²	4.56 ³	7.69 ⁵	10.26 ⁶
	16	1.63 ¹	2.88 ²	5.60 ³	7.72 ⁴	1.94 ²	3.67 ²	6.73 ³	9.34 ⁴
	24	0.32 ¹	1.46 ¹	4.11 ²	6.23 ²	0.52 ¹	2.13 ¹	5.05 ²	7.71 ³
14	12	1.23 ¹	2.20 ²	4.34 ²	6.00 ³	1.51 ¹	2.81 ²	5.20 ³	7.26 ³
	16	0.51 ¹	1.43 ¹	3.52 ²	5.18 ²	0.71 ¹	1.97 ¹	4.28 ²	6.36 ²
	24	0.00	0.12 ¹	2.10 ¹	3.76 ¹	0.00	0.54 ¹	2.70 ¹	4.81 ¹
16	12	0.46 ¹	1.19 ¹	2.85 ¹	4.18 ²	0.62 ¹	1.62 ¹	3.47 ²	5.12 ²
	16	0.00	0.48 ¹	2.09 ¹	3.41 ¹	0.00	0.85 ¹	2.61 ¹	4.28 ¹
	24	0.00	0.00	0.78	2.09 ¹	0.00	0.00	1.15 ¹	2.84 ¹

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 40psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	400S137-mils (Fy)					400S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	0.40 ³	1.04 ⁶	2.50 ⁶	3.72 ⁶	5.49	0.70 ⁶	1.50 ⁶	3.32 ⁶	4.81 ⁶	7.82 ⁶	9.90 ⁶
	16	0.00	0.62 ⁵	2.10 ⁶	3.28 ⁶	5.13	0.26 ⁴	1.03 ⁶	2.87 ⁶	4.33 ⁶	7.36 ⁶	9.42 ⁶
	24	0.00	0.00	1.35 ⁴	2.47 ⁵	4.45	0.00	0.18 ⁴	2.04 ⁵	3.44 ⁶	6.48 ⁶	8.48 ⁶
9	12	0.07 ³	0.67 ⁴	2.06 ⁶	3.21 ⁶	5.12	0.33 ⁴	1.07 ⁵	2.78 ⁶	4.16 ⁶	6.98 ⁶	8.89 ⁶
	16	0.00	0.18 ³	1.59 ⁴	2.70 ⁵	4.67	0.00	0.53 ⁴	2.26 ⁵	3.60 ⁶	6.42 ⁶	8.30 ⁶
	24	0.00	0.00	0.74 ³	1.75 ³	3.82	0.00	0.00	1.32 ³	2.57 ⁴	5.39 ⁵	7.20 ⁶
10	12	0.00	0.30 ³	1.61 ⁴	2.65 ⁵	4.68	0.00	0.64 ⁴	2.24 ⁵	3.48 ⁶	6.08 ⁶	7.80 ⁶
	16	0.00	0.00	1.09 ³	2.07 ⁴	4.14	0.00	0.06 ³	1.67 ³	2.86 ⁴	5.45 ⁶	7.13 ⁵
	24	0.00	0.00	0.18 ²	1.05 ²	3.15	0.00	0.00	0.66 ²	1.75 ³	4.32 ⁴	5.92 ³
12	12	0.00	0.00	0.79 ²	1.58 ³	3.45	0.00	0.00	1.25 ²	2.20 ³	4.32 ⁴	5.64 ⁴
	16	0.00	0.00	0.23 ¹	0.96 ²	2.81	0.00	0.00	0.64 ²	1.53 ³	3.63 ³	4.91 ³
	24	0.00	0.00	0.00	0.00	1.69	0.00	0.00	0.00	0.38 ¹	2.42 ²	3.61 ²
14	12	0.00	0.00	0.16 ¹	0.73 ¹	2.19	0.00	0.00	0.48 ¹	1.18 ²	2.84 ³	3.82 ²
	16	0.00	0.00	0.00	0.14 ¹	1.57	0.00	0.00	0.00	0.55 ¹	2.17 ²	3.11 ¹
	24	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.00	1.02 ¹	1.87 ¹
16	12	0.00	0.00	0.00	0.15 ¹	1.29	0.00	0.00	0.00	0.48 ¹	1.77 ²	25.10 ¹
	16	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	1.15 ¹	1.84 ¹
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.71

Wall Ht. (ft)	Spacing (in) o.c.	400S200-mils (Fy)					400S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	0.97 ⁶	2.06 ⁶	4.28 ⁶	6.14 ⁶	9.68 ⁶	12.06 ⁶	2.38 ⁶	4.74 ⁶	7.04 ⁶	11.33 ⁶	14.06 ⁶
	16	0.49 ⁵	1.55 ⁶	3.76 ⁶	5.62 ⁶	9.19 ⁶	11.55 ⁶	1.84 ⁵	4.21 ⁶	6.47 ⁶	10.81 ⁶	13.53 ⁶
	24	0.00	0.61 ⁴	2.80 ⁵	4.64 ⁶	8.25 ⁶	10.57 ⁶	0.83 ³	3.21 ⁴	5.39 ⁵	9.81 ⁶	12.52 ⁶
9	12	0.55 ⁵	1.56 ⁶	3.61 ⁶	5.35 ⁶	8.67 ⁶	10.87 ⁶	1.85 ⁵	4.12 ⁶	6.24 ⁶	10.20 ⁶	12.75 ⁶
	16	0.00	0.98 ⁵	3.01 ⁶	4.74 ⁶	8.08 ⁶	10.25 ⁶	1.22 ⁴	3.48 ⁵	5.55 ⁶	9.57 ⁶	12.11 ⁶
	24	0.00	0.00	1.93 ⁴	3.62 ⁵	6.98 ⁶	9.09 ⁵	0.07 ²	2.32 ³	4.29 ⁴	8.39 ⁵	10.90 ⁶
10	12	0.15 ³	1.07 ⁴	2.94 ⁶	4.54 ⁶	7.61 ⁶	9.61 ⁶	1.33 ⁴	3.44 ⁴	5.35 ⁶	9.01 ⁶	11.36 ⁶
	16	0.00	0.43 ³	2.29 ⁴	3.86 ⁵	6.94 ⁶	8.90 ⁶	0.63 ³	2.73 ³	4.58 ⁴	8.29 ⁶	10.62 ⁶
	24	0.00	0.00	1.13 ³	2.64 ³	5.71 ⁵	7.60 ⁴	0.00	1.46 ²	3.19 ³	6.97 ⁴	9.25 ⁴
12	12	0.00	0.20 ²	1.73 ³	3.00 ⁴	5.52 ⁵	7.11 ⁴	0.36 ²	2.14 ²	3.59 ³	6.66 ⁴	8.58 ⁵
	16	0.00	0.00	1.03 ²	2.27 ³	4.78 ⁴	6.31 ³	0.00	1.35 ²	2.75 ²	5.84 ³	7.72 ⁴
	24	0.00	0.00	0.00	1.00 ²	3.46 ²	4.91 ²	0.00	0.00	1.30 ¹	4.40 ²	6.20 ²
14	12	0.00	0.00	0.79 ²	1.76 ²	3.75 ³	4.95 ³	0.00	1.04 ¹	2.15 ²	4.63 ³	6.12 ³
	16	0.00	0.00	0.12 ¹	1.06 ²	3.02 ²	4.18 ²	0.00	0.28 ¹	1.33 ¹	3.82 ²	5.27 ²
	24	0.00	0.00	0.00	0.00	1.75 ¹	2.83 ¹	0.00	0.00	0.00	2.41 ¹	3.78 ¹
16	12	0.00	0.00	0.14 ¹	0.89 ¹	2.46 ²	3.37 ²	0.00	0.27 ¹	1.12 ¹	3.11 ²	4.27 ²
	16	0.00	0.00	0.00	0.24 ¹	1.77 ¹	2.64 ¹	0.00	0.00	0.37 ¹	2.35 ¹	3.46 ¹
	24	0.00	0.00	0.00	0.00	0.60 ¹	1.38 ¹	0.00	0.00	0.00	1.03 ¹	2.07 ¹

Wall Ht. (ft)	Spacing (in) o.c.	400S300-mils (Fy)				400S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	6.30 ⁶	9.16 ⁶	14.12 ⁶	17.56 ⁶	6.81 ⁶	10.33 ⁶	16.41 ⁶	20.43 ⁶
	16	5.74 ⁶	8.53 ⁶	13.50 ⁶	16.99 ⁶	6.23 ⁶	9.69 ⁶	15.73 ⁶	19.83 ⁶
	24	4.67 ⁵	7.33 ⁶	12.32 ⁶	15.90 ⁶	5.14 ⁶	8.48 ⁶	14.44 ⁶	18.67 ⁶
9	12	5.51 ⁶	8.15 ⁶	12.70 ⁶	15.97 ⁶	6.01 ⁶	9.30 ⁶	14.79 ⁶	18.63 ⁶
	16	4.84 ⁵	7.39 ⁶	11.96 ⁶	15.27 ⁶	5.32 ⁶	8.52 ⁶	13.97 ⁶	17.89 ⁶
	24	3.61 ³	6.00 ⁴	10.56 ⁶	13.95 ⁶	4.04 ⁴	7.09 ⁵	12.44 ⁶	16.50 ⁶
10	12	4.69 ⁵	7.02 ⁶	11.22 ⁶	14.28 ⁶	5.17 ⁶	8.17 ⁶	13.10 ⁶	16.72 ⁶
	16	3.94 ⁴	6.17 ⁵	10.37 ⁶	13.47 ⁶	4.39 ⁴	7.28 ⁶	12.16 ⁶	15.87 ⁶
	24	2.59 ²	4.65 ³	8.81 ⁴	11.97 ⁵	2.97 ³	5.68 ⁴	10.44 ⁵	14.27 ⁶
12	12	3.12 ³	4.87 ⁴	8.32 ⁵	10.91 ⁶	3.54 ³	5.91 ⁴	9.79 ⁶	12.91 ⁶
	16	2.30 ²	3.95 ³	7.36 ⁴	9.97 ⁵	2.66 ²	4.91 ³	8.72 ⁴	11.90 ⁵
	24	0.85 ¹	2.34 ²	5.67 ³	8.30 ³	1.12 ¹	3.17 ²	6.84 ³	10.09 ³
14	12	1.83 ²	3.10 ²	5.83 ³	7.92 ⁴	2.15 ²	3.88 ²	6.93 ⁴	9.48 ⁴
	16	1.01 ¹	2.20 ¹	4.88 ²	6.98 ³	1.25 ¹	2.90 ²	5.86 ³	8.45 ³
	24	0.00 ¹	0.66 ¹	3.23 ¹	5.32 ²	0.00 ¹	1.23 ¹	4.03 ²	6.66 ²
16	12	0.86 ¹	1.81 ¹	3.96 ²	5.63 ²	1.09 ¹	2.38 ¹	4.75 ²	6.82 ³
	16	0.09 ¹	0.98 ¹	3.06 ¹	4.74 ²	0.23 ¹	1.47 ¹	3.76 ²	5.84 ²
	24	0.00	0.00	1.52 ¹	3.19 ¹	0.00	0.00	2.05 ¹	4.16 ¹

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Wall	Spacing (in) o.c.	550S162-mils (Fy)					550S200-mils (Fy)				
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)
8	12	1.35 ⁶	2.41 ⁶	4.70 ⁶	6.55 ⁶	10.41 ⁶	1.73 ⁶	3.06 ⁶	6.06 ⁶	8.55 ⁶	13.95 ⁶
	16	0.98 ⁶	2.06 ⁶	4.36 ⁶	6.21 ⁶	10.08 ⁶	1.34 ⁶	2.64 ⁶	5.64 ⁶	8.15 ⁶	13.55 ⁶
	24	0.26 ⁶	1.37 ⁶	3.69 ⁶	5.56 ⁶	9.42 ⁶	0.59 ⁵	1.84 ⁶	4.83 ⁶	7.38 ⁶	12.76 ⁶
9	12	1.03 ⁶	2.09 ⁶	4.36 ⁶	6.23 ⁶	10.08 ⁶	1.38 ⁶	2.67 ⁶	5.57 ⁶	8.02 ⁶	13.29 ⁶
	16	0.57 ⁶	1.65 ⁶	3.93 ⁶	5.80 ⁶	9.65 ⁶	0.91 ⁵	2.16 ⁶	5.05 ⁶	7.53 ⁶	12.78 ⁶
	24	0.00	0.82 ⁶	3.11 ⁶	4.98 ⁶	8.80 ⁶	0.02 ³	1.19 ⁴	4.06 ⁶	6.57 ⁶	11.79 ⁶
10	12	0.69 ⁶	1.74 ⁶	3.95 ⁶	5.85 ⁶	9.69 ⁶	1.02 ⁵	2.24 ⁶	5.03 ⁶	7.42 ⁶	12.53 ⁶
	16	0.16 ⁵	1.22 ⁶	3.43 ⁶	5.33 ⁶	9.14 ⁶	0.47 ⁴	1.64 ⁵	4.41 ⁶	6.82 ⁶	11.90 ⁶
	24	0.00	0.26 ⁴	2.46 ⁵	4.32 ⁶	8.09 ⁶	0.00 ²	0.52 ³	3.25 ⁴	5.68 ⁵	10.69 ⁶
12	12	0.00	0.99 ⁵	3.01 ⁶	4.76 ⁶	8.67 ⁶	0.28 ³	1.34 ⁴	3.82 ⁵	6.05 ⁶	10.70 ⁶
	16	0.00	0.34 ³	2.35 ⁴	4.07 ⁵	7.88 ⁶	0.00 ²	0.59 ³	3.05 ³	5.27 ⁴	9.84 ⁶
	24	0.00	0.00	1.16 ³	2.80 ³	6.43 ³	0.00 ¹	0.00 ²	1.64 ²	3.84 ³	8.27 ⁴
14	12	0.00	0.26 ³	2.05 ³	3.59 ⁴	6.96 ⁶	0.00 ²	0.48 ²	2.63 ³	4.61 ³	8.66 ⁵
	16	0.00	0.00	1.31 ²	2.79 ³	6.03 ⁴	0.00 ¹	0.00 ¹	1.76 ²	3.72 ²	7.66 ⁴
	24	0.00	0.00	0.00	2.00 ²	4.39 ³	0.00 ¹	0.00 ¹	0.24 ¹	2.14 ¹	5.87 ²
16	12	0.00	0.00	1.19 ²	2.48 ³	5.29 ⁴	0.00 ¹	0.00 ¹	1.58 ²	3.28 ²	6.69 ³
	16	0.00	0.00	0.42 ¹	1.64 ²	4.31 ³	0.00 ¹	0.00 ¹	0.69 ¹	2.34 ²	5.63 ²
	24	0.00	0.00	0.00	0.20 ¹	2.62 ²	0.00	0.00	0.00 ¹	0.73 ¹	3.79 ¹

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 40psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	600S137-mils (Fy)					600S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	0.97 ⁶	1.73 ⁶	3.15 ⁶	4.40 ⁶	6.99 ⁶	1.47 ⁶	2.53 ⁶	4.79 ⁶	6.65 ⁶	10.61 ⁶	13.42 ⁶
	16	0.68 ⁶	1.44 ⁶	2.90 ⁶	4.16 ⁶	6.78 ⁶	1.12 ⁶	2.20 ⁶	4.48 ⁶	6.35 ⁶	10.32 ⁶	13.11 ⁶
	24	0.11 ⁶	0.88 ⁶	2.41 ⁶	3.68 ⁶	6.36 ⁶	0.45 ⁶	1.58 ⁶	3.89 ⁶	5.77 ⁶	9.74 ⁶	12.51 ⁶
9	12	0.73 ⁶	1.48 ⁶	2.93 ⁶	4.18 ⁶	6.80 ⁶	1.18 ⁶	2.25 ⁶	4.51 ⁶	6.38 ⁶	10.34 ⁶	13.13 ⁶
	16	0.37 ⁶	1.13 ⁶	2.62 ⁶	3.88 ⁶	6.53 ⁶	0.75 ⁶	1.85 ⁶	4.13 ⁶	6.00 ⁶	9.96 ⁶	12.73 ⁶
	24	0.00	0.43 ⁶	2.01 ⁶	3.27 ⁶	6.00 ⁶	0.00	1.07 ⁶	3.38 ⁶	5.25 ⁶	9.22 ⁶	11.96 ⁶
10	12	0.47 ⁶	1.22 ⁶	2.69 ⁶	3.94 ⁶	6.58 ⁶	0.86 ⁶	1.94 ⁶	4.20 ⁶	6.06 ⁶	10.01 ⁶	12.78 ⁶
	16	0.04 ⁵	0.78 ⁶	2.31 ⁶	3.56 ⁶	6.24 ⁶	0.36 ⁶	1.46 ⁶	3.73 ⁶	5.59 ⁶	9.53 ⁶	12.28 ⁶
	24	0.00	0.00	1.57 ⁵	2.82 ⁶	5.58 ⁶	0.00	0.54 ⁵	2.82 ⁶	4.68 ⁶	8.61 ⁶	11.30 ⁶
12	12	0.00	0.63 ⁵	2.13 ⁶	3.36 ⁶	6.03 ⁶	0.19 ⁴	1.24 ⁶	3.43 ⁶	5.29 ⁶	9.18 ⁶	11.88 ⁶
	16	0.00	0.06 ⁴	1.60 ⁵	2.82 ⁶	5.54 ⁶	0.00	0.61 ⁴	2.78 ⁵	4.63 ⁶	8.48 ⁶	11.14 ⁶
	24	0.00	0.00	0.63 ³	1.82 ⁴	4.60 ⁵	0.00	0.00	1.59 ³	3.39 ⁴	7.17 ⁶	9.73 ⁵
14	12	0.00	0.01 ⁵	1.50 ⁴	2.68 ⁵	5.35 ⁶	0.00	0.52 ³	2.49 ⁴	4.21 ⁶	8.09 ⁶	10.69 ⁶
	16	0.00	0.00 ⁴	0.84 ³	2.00 ³	4.70 ⁵	0.00	0.00	1.73 ³	3.41 ⁴	7.17 ⁶	9.69 ⁵
	24	0.00	0.00	0.00	0.77 ²	3.49 ³	0.00	0.00	0.38 ²	1.95 ³	5.51 ⁴	7.88 ³
16	12	0.00	0.00 ³	0.85 ²	1.95 ³	4.56 ⁴	0.00	0.00	1.60 ³	3.09 ⁴	6.44 ⁵	8.87 ⁶
	16	0.00	0.00	0.10 ²	1.16 ²	3.76 ³	0.00	0.00	0.78 ²	2.21 ³	5.42 ⁴	7.72 ³
	24	0.00	0.00	0.00	0.00	2.34 ²	0.00	0.00	0.00	0.67 ²	3.64 ²	5.71 ²

Wall Ht. (ft)	Spacing (in) o.c.	600S200-mils (Fy)					600S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.88 ⁶	3.27 ⁶	6.42 ⁶	9.00 ⁶	14.67 ⁶	19.02 ⁶	3.59	6.63	9.96	17.19	22.26 ⁶
	16	1.52 ⁶	2.88 ⁶	6.03 ⁶	8.63 ⁶	14.30 ⁶	18.63 ⁶	3.19	6.26	9.55	16.78	21.84 ⁶
	24	0.81 ⁶	2.13 ⁶	5.27 ⁶	7.92 ⁶	13.58 ⁶	17.86 ⁶	2.42	5.52	8.75	15.97	21.03 ⁶
9	12	1.56 ⁶	2.91 ⁶	5.98 ⁶	8.54 ⁶	14.12 ⁶	18.47 ⁶	3.22	6.22	9.45	16.51	21.48 ⁶
	16	1.12 ⁶	2.43 ⁶	5.49 ⁶	8.08 ⁶	13.65 ⁶	17.97 ⁶	2.73	5.75	8.93	15.99	20.94 ⁶
	24	0.26 ⁶	1.51 ⁶	4.55 ⁶	7.18 ⁶	12.73 ⁶	16.98 ⁶	1.78	4.83	7.93	14.96	19.90 ⁶
10	12	1.22 ⁶	2.51 ⁶	5.49 ⁶	8.01 ⁶	13.47 ⁶	17.69 ⁶	2.82	5.75	8.86	15.72	20.55 ⁶
	16	0.69 ⁶	1.94 ⁶	4.90 ⁶	7.45 ⁶	12.89 ⁶	17.06 ⁶	2.23	5.18	8.23	15.07	19.89 ⁶
	24	0.00	0.86 ⁶	3.78 ⁶	6.37 ⁶	11.76 ⁶	15.84 ⁶	1.11	4.08	7.02	13.82	18.60 ⁶
12	12	0.50 ⁵	1.66 ⁶	4.37 ⁶	6.77 ⁶	11.86 ⁶	15.73 ⁶	1.94	4.69	7.51	13.82	18.30 ⁶
	16	0.00	0.92 ⁵	3.60 ⁶	6.01 ⁶	11.05 ⁶	14.84 ⁶	1.17	3.92	6.65	12.92	17.36 ⁶
	24	0.00	0.00	2.19 ⁴	4.60 ⁵	9.52 ⁶	13.16 ⁶	0.00 ⁶	2.50 ⁷	5.07	11.23	15.58 ⁶
14	12	0.00	0.79 ⁴	3.19 ⁵	5.39 ⁶	9.97 ⁶	13.37 ⁶	1.03 ⁷	3.56	6.02	11.64	15.66 ⁶
	16	0.00	0.00	2.30 ⁴	4.48 ⁵	8.96 ⁶	12.26 ⁵	0.12 ⁶	2.64 ⁶	4.99	10.53	14.47 ⁶
	24	0.00	0.00	0.71 ²	2.85 ³	7.15 ⁴	10.25 ³	0.00 ³	0.99 ⁶	3.13 ⁶	8.51 ⁷	12.33 ⁴
16	12	0.00	0.01 ³	2.09 ³	4.03 ⁴	8.01 ⁶	10.90 ⁵	0.17 ⁶	2.47 ⁶	4.56 ⁷	9.40	12.90 ⁶
	16	0.00	0.00	1.14 ²	3.05 ³	6.89 ⁴	9.67 ³	0.00 ³	1.46 ⁶	3.43 ⁶	8.17 ⁷	11.57 ⁴
	24	0.00	0.00	0.00	1.32 ²	4.94 ³	7.50 ²	0.00 ²	0.00 ³	1.43 ³	5.99 ⁶	9.21 ³

Wall Ht. (ft)	Spacing (in) o.c.	600S300-mils (Fy)				600S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	8.62 ⁶	11.93 ⁶	20.89 ⁶	26.90 ⁶	9.17 ⁶	13.62 ⁶	22.79 ⁶	30.59 ⁶
	16	8.21 ⁶	11.52 ⁶	20.43 ⁶	26.47 ⁶	8.77 ⁶	13.19 ⁶	22.32 ⁶	30.14 ⁶
	24	7.40 ⁶	10.70 ⁶	19.51 ⁶	25.61 ⁶	7.99 ⁶	12.34 ⁶	21.41 ⁶	29.24 ⁶
9	12	8.13 ⁶	11.38 ⁶	20.03 ⁶	25.94 ⁶	8.68 ⁶	13.03 ⁶	21.98 ⁶	29.49 ⁶
	16	7.61 ⁶	10.86 ⁶	19.44 ⁶	25.38 ⁶	8.18 ⁶	12.48 ⁶	21.38 ⁶	28.91 ⁶
	24	6.60 ⁶	9.83 ⁶	18.28 ⁶	24.28 ⁶	7.20 ⁶	11.41 ⁶	20.22 ⁶	27.76 ⁶
10	12	7.57 ⁶	10.75 ⁶	19.04 ⁶	24.81 ⁶	8.13 ⁶	12.35 ⁶	21.06 ⁶	28.23 ⁶
	16	6.94 ⁶	10.11 ⁶	18.31 ⁶	24.12 ⁶	7.52 ⁶	11.68 ⁶	20.32 ⁶	27.50 ⁶
	24	5.72 ⁶	8.87 ⁶	16.89 ⁶	22.77 ⁶	6.34 ⁶	10.37 ⁶	18.88 ⁶	26.09 ⁶
12	12	6.29 ⁶	9.35 ⁶	16.73 ⁶	22.15 ⁶	6.87 ⁶	10.76 ⁶	18.91 ⁶	25.27 ⁶
	16	5.45 ⁶	8.46 ⁶	15.71 ⁶	21.17 ⁶	6.04 ⁶	9.84 ⁶	17.85 ⁶	24.24 ⁶
	24	3.87 ⁴	6.79 ⁵	13.80 ⁶	19.29 ⁶	4.49 ⁴	8.09 ⁶	15.86 ⁶	22.27 ⁶
14	12	4.92 ³	7.85 ⁶	14.12 ⁶	19.09 ⁶	5.50 ³	9.00 ⁶	16.33 ⁶	21.89 ⁶
	16	3.91 ³	6.73 ⁴	12.86 ⁶	17.84 ⁶	4.49 ⁴	7.84 ⁵	14.98 ⁶	20.57 ⁶
	24	2.08 ²	4.72 ³	10.58 ⁴	15.54 ⁵	2.66 ²	5.74 ³	12.54 ⁵	18.14 ⁶
16	12	3.57 ³	6.18 ⁴	11.47 ⁶	15.89 ⁶	4.13 ³	7.18 ⁴	13.38 ⁶	18.36 ⁶
	16	2.46 ²	4.92 ³	10.07 ⁶	14.46 ⁵	3.00 ²	5.87 ³	11.87 ⁵	16.84 ⁶
	24	0.51 ¹	2.75 ²	7.60 ³	11.93 ³	1.02 ¹	3.57 ²	9.20 ³	14.14 ⁴

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyLy & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Wall	Spacing (in) o.c.	800S137-mils (Fy)					800S162-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	1.14* ⁶	1.88 ⁶	3.12 ⁶	4.32 ⁶	6.81 ⁶	1.71* ⁶	2.70 ⁶	4.84 ⁶	6.67 ⁶	10.69 ⁶	13.81 ⁶
	16	0.92* ⁶	1.67 ⁶	2.95 ⁶	4.16 ⁶	6.66 ⁶	1.46* ⁶	2.45 ⁶	4.62 ⁶	6.45 ⁶	10.48 ⁶	13.62 ⁶
	24	0.50* ⁶	1.26 ⁶	2.62 ⁶	3.84 ⁶	6.36 ⁶	0.95* ⁶	1.97 ⁶	4.17 ⁶	6.02 ⁶	10.05 ⁶	13.25 ⁶
9	12	0.96* ⁶	1.71 ⁶	2.98 ⁶	4.18 ⁶	6.68 ⁶	1.50* ⁶	2.50 ⁶	4.65 ⁶	6.48 ⁶	10.51 ⁶	13.65 ⁶
	16	0.69* ⁶	1.45 ⁶	2.77 ⁶	3.98 ⁶	6.49 ⁶	1.18* ⁶	2.19 ⁶	4.37 ⁶	6.21 ⁶	10.23 ⁶	13.41 ⁶
	24	0.16* ⁶	0.94 ⁶	2.35 ⁶	3.57 ⁶	6.11 ⁶	0.55* ⁶	1.57 ⁶	3.80 ⁶	5.65 ⁶	9.69 ⁶	12.93 ⁶
10	12	0.77* ⁶	1.52 ⁶	2.83 ⁶	4.03 ⁶	6.54 ⁶	1.27* ⁶	2.27 ⁶	4.43 ⁶	6.27 ⁶	10.29 ⁶	13.46 ⁶
	16	0.44* ⁶	1.20 ⁶	2.56 ⁶	3.78 ⁶	6.30 ⁶	0.88* ⁶	1.89 ⁶	4.08 ⁶	5.92 ⁶	9.95 ⁶	13.16 ⁶
	24	0.00* ⁶	0.58 ⁶	2.04 ⁶	3.28 ⁶	5.82 ⁶	0.11* ⁶	1.14 ⁶	3.39 ⁶	5.24 ⁶	9.27 ⁶	12.56 ⁶
12	12	0.33* ⁶	1.09 ⁶	2.46 ⁶	3.67 ⁶	6.19 ⁶	0.74* ⁶	1.74 ⁶	3.93 ⁶	5.76 ⁶	9.77 ⁶	13.00 ⁶
	16	0.00 ⁶	0.64 ⁶	2.08 ⁶	3.30 ⁶	5.84 ⁶	0.20* ⁶	1.21 ⁶	3.42 ⁶	5.26 ⁶	9.27 ⁶	12.55 ⁶
	24	0.00 ⁶	0.00 ⁶	1.35 ⁶	2.59 ⁶	5.14 ⁶	0.00 ⁶	0.18 ⁶	2.44 ⁶	4.29 ⁶	8.28 ⁶	11.66 ⁶
14	12	0.00 ⁶	0.59 ⁶	2.02 ⁶	3.24 ⁶	5.76 ⁶	0.15* ⁵	1.14 ⁶	3.32 ⁶	5.14 ⁶	9.12 ⁶	12.40 ⁶
	16	0.00 ⁶	0.01 ⁵	1.52 ⁶	2.74 ⁶	5.27 ⁶	0.00 ⁶	0.45 ⁵	2.65 ⁶	4.47 ⁶	8.42 ⁶	11.77 ⁶
	24	0.00 ⁶	0.00 ⁶	0.57 ⁴	1.80 ⁵	4.34 ⁶	0.00 ⁶	0.00 ⁶	1.39 ⁴	3.18 ⁶	7.09 ⁶	10.55 ⁶
16	12	0.00 ⁶	0.06 ⁴	1.53 ⁵	2.73 ⁶	5.24 ⁶	0.00 ⁶	0.49 ⁵	2.63 ⁶	4.42 ⁶	8.33 ⁶	11.65 ⁶
	16	0.00 ⁶	0.00 ⁶	0.91 ⁴	2.11 ⁵	4.62 ⁶	0.00 ⁶	0.00 ⁶	1.81 ⁴	3.57 ⁶	7.43 ⁶	10.82 ⁶
	24	0.00 ⁶	0.00 ⁶	0.00 ⁶	0.94 ³	3.43 ⁴	0.00 ⁶	0.00 ⁶	0.29 ³	2.00 ⁴	5.74 ⁵	9.24 ⁴

Wall	Spacing (in) o.c.	800S200-mils (Fy)					800S250-mils (Fy)					
		-33 (33)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.23* ⁶	3.71 ⁶	6.99 ⁶	9.60 ⁶	15.33 ⁶	19.82 ⁶	4.10 ⁶	7.42 ⁶	11.00 ⁶	18.99 ⁶	25.08 ⁶
	16	1.96* ⁶	3.42 ⁶	6.71 ⁶	9.34 ⁶	15.08 ⁶	19.58 ⁶	3.80 ⁶	7.13 ⁶	10.70 ⁶	18.69 ⁶	24.78 ⁶
	24	1.41* ⁶	2.85 ⁶	6.15 ⁶	8.83 ⁶	14.59 ⁶	19.09 ⁶	3.21 ⁶	6.57 ⁶	10.10 ⁶	18.11 ⁶	24.19 ⁶
9	12	2.01* ⁶	3.47 ⁶	6.75 ⁶	9.38 ⁶	15.11 ⁶	19.61 ⁶	3.84 ⁶	7.14 ⁶	10.70 ⁶	18.65 ⁶	24.73 ⁶
	16	1.66* ⁶	3.11 ⁶	6.39 ⁶	9.05 ⁶	14.79 ⁶	19.29 ⁶	3.46 ⁶	6.78 ⁶	10.32 ⁶	18.27 ⁶	24.35 ⁶
	24	0.98* ⁶	2.39 ⁶	5.67 ⁶	8.39 ⁶	14.16 ⁶	18.66 ⁶	2.72 ⁶	6.07 ⁶	9.55 ⁶	17.51 ⁶	23.58 ⁶
10	12	1.75* ⁶	3.20 ⁶	6.47 ⁶	9.12 ⁶	14.85 ⁶	19.35 ⁶	3.55 ⁶	6.83 ⁶	10.35 ⁶	18.24 ⁶	24.23 ⁶
	16	1.33* ⁶	2.75 ⁶	6.02 ⁶	8.70 ⁶	14.45 ⁶	18.95 ⁶	3.09 ⁶	6.38 ⁶	9.87 ⁶	17.77 ⁶	23.75 ⁶
	24	0.51* ⁶	1.88 ⁶	5.14 ⁶	7.89 ⁶	13.66 ⁶	18.16 ⁶	2.18 ⁶	5.51 ⁶	8.93 ⁶	16.83 ⁶	22.79 ⁶
12	12	1.17* ⁶	2.57 ⁶	5.81 ⁶	8.49 ⁶	14.22 ⁶	18.71 ⁶	2.87 ⁶	6.08 ⁶	9.50 ⁶	17.23 ⁶	22.93 ⁶
	16	0.59* ⁶	1.94 ⁶	5.16 ⁶	7.89 ⁶	13.63 ⁶	18.11 ⁶	2.23 ⁶	5.45 ⁶	8.82 ⁶	16.53 ⁶	22.22 ⁶
	24	0.00 ⁶	0.74 ⁶	3.92 ⁶	6.72 ⁶	12.46 ⁶	16.94 ⁶	0.98 ⁵	4.23 ⁶	7.48 ⁶	15.17 ⁶	20.84 ⁶
14	12	0.52* ⁶	1.83 ⁶	4.94 ⁶	7.66 ⁶	13.41 ⁶	17.87 ⁶	2.10 ⁶	5.18 ⁶	8.42 ⁶	15.84 ⁶	21.22 ⁶
	16	0.00 ⁶	1.03 ⁶	4.10 ⁶	6.85 ⁶	12.58 ⁶	17.02 ⁶	1.27 ⁵	4.36 ⁶	7.51 ⁶	14.89 ⁶	20.26 ⁶
	24	0.00 ⁶	0.00 ⁶	2.52 ⁵	5.31 ⁶	10.99 ⁶	15.40 ⁶	0.00 ³	2.81 ⁴	5.79 ⁵	13.08 ⁶	18.40 ⁶
16	12	0.00 ⁶	1.03 ⁶	3.91 ⁶	6.52 ⁶	12.09 ⁶	16.58 ⁶	1.27 ⁴	4.19 ⁵	7.15 ⁶	14.08 ⁶	19.14 ⁶
	16	0.00 ⁶	0.09 ⁴	2.91 ⁵	5.53 ⁶	11.04 ⁶	15.48 ⁶	0.29 ³	3.20 ⁴	6.05 ⁵	12.90 ⁶	17.93 ⁶
	24	0.00 ⁶	0.00 ⁶	1.09 ³	3.71 ⁴	9.91 ⁶	13.40 ⁵	0.00 ²	1.38 ²	4.01 ³	10.70 ⁵	15.64 ⁶

Wall	Spacing (in) o.c.	800S300-mils (Fy)				800S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	9.60 ⁶	13.17 ⁶	22.96 ⁶	30.40 ⁶	10.16 ⁶	14.92 ⁶	25.06 ⁶	33.65 ⁶
	16	9.29 ⁶	12.87 ⁶	22.62 ⁶	30.08 ⁶	9.86 ⁶	14.60 ⁶	24.73 ⁶	33.33 ⁶
	24	8.68 ⁶	12.26 ⁶	21.96 ⁶	29.45 ⁶	9.26 ⁶	13.97 ⁶	24.06 ⁶	32.68 ⁶
9	12	9.28 ⁶	12.83 ⁶	22.52 ⁶	29.85 ⁶	9.83 ⁶	14.55 ⁶	24.63 ⁶	33.13 ⁶
	16	8.88 ⁶	12.44 ⁶	22.09 ⁶	29.44 ⁶	9.45 ⁶	14.14 ⁶	24.20 ⁶	32.71 ⁶
	24	8.10 ⁶	11.66 ⁶	21.24 ⁶	28.64 ⁶	8.69 ⁶	13.33 ⁶	23.35 ⁶	31.88 ⁶
10	12	8.90 ⁶	12.42 ⁶	22.02 ⁶	29.20 ⁶	9.45 ⁶	14.12 ⁶	24.13 ⁶	32.51 ⁶
	16	8.41 ⁶	11.94 ⁶	21.48 ⁶	28.69 ⁶	8.98 ⁶	13.61 ⁶	23.59 ⁶	31.98 ⁶
	24	7.46 ⁶	10.98 ⁶	20.42 ⁶	27.68 ⁶	8.05 ⁶	12.62 ⁶	22.53 ⁶	30.94 ⁶
12	12	8.00 ⁶	11.45 ⁶	20.76 ⁶	27.56 ⁶	8.57 ⁶	13.08 ⁶	22.71 ⁶	30.99 ⁶
	16	8.01 ⁶	10.75 ⁶	19.98 ⁶	26.82 ⁶	7.90 ⁶	12.35 ⁶	21.93 ⁶	30.22 ⁶
	24	7.32 ⁶	9.40 ⁶	18.44 ⁶	25.35 ⁶	6.60 ⁶	10.94 ⁶	20.40 ⁶	28.69 ⁶
14	12	6.94 ⁶	10.26 ⁶	19.09 ⁶	25.49 ⁶	7.52 ⁶	11.82 ⁶	20.99 ⁶	28.92 ⁶
	16	6.04 ⁶	9.34 ⁶	18.02 ⁶	24.48 ⁶	6.64 ⁶	10.85 ⁶	19.92 ⁶	27.85 ⁶
	24	4.34 ⁵	7.59 ⁶	15.99 ⁶	22.52 ⁶	4.97 ⁵	9.00 ⁶	17.88 ⁶	25.78 ⁶
16	12	5.77 ⁶	8.92 ⁶	16.97 ⁶	23.07 ⁶	6.36 ⁶	10.37 ⁶	19.01 ⁶	26.24 ⁶
	16	4.69 ⁵	7.78 ⁶	15.65 ⁶	21.78 ⁶	5.29 ⁵	9.17 ⁶	17.66 ⁶	24.88 ⁶
	24	2.68 ³	5.67 ⁴	13.18 ⁶	19.35 ⁶	3.30 ³	6.93 ⁴	15.12 ⁶	22.31 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- Ky & KtLt = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports



Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 40psf Lateral Load

Wall Ht. (ft)	Spacing (in) o.c.	1000S162-mils (Fy)					1000S200-mils (Fy)				
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	2.77 ⁶	4.75 ⁶	6.52 ⁶	10.45 ⁶	13.47 ⁶	3.84 ⁶	7.03 ⁶	9.55 ⁶	15.24 ⁶	19.78 ⁶
	16	2.57 ⁶	4.58 ⁶	6.36 ⁶	10.29 ⁶	13.31 ⁶	3.62 ⁶	6.81 ⁶	9.34 ⁶	15.04 ⁶	19.58 ⁶
	24	2.19 ⁶	4.24 ⁶	6.03 ⁶	9.98 ⁶	13.01 ⁶	3.17 ⁶	6.37 ⁶	8.92 ⁶	14.64 ⁶	19.18 ⁶
9	12	2.61 ⁶	4.61 ⁶	6.39 ⁶	10.32 ⁶	13.34 ⁶	3.66 ⁶	6.84 ⁶	9.37 ⁶	15.07 ⁶	19.61 ⁶
	16	2.36 ⁶	4.39 ⁶	6.18 ⁶	10.12 ⁶	13.14 ⁶	3.37 ⁶	6.57 ⁶	9.11 ⁶	14.81 ⁶	19.35 ⁶
	24	1.88 ⁶	3.96 ⁶	5.76 ⁶	9.72 ⁶	12.75 ⁶	2.80 ⁶	6.02 ⁶	8.57 ⁶	14.30 ⁶	18.83 ⁶
10	12	2.43 ⁶	4.45 ⁶	6.23 ⁶	10.17 ⁶	13.19 ⁶	3.45 ⁶	6.64 ⁶	9.17 ⁶	14.88 ⁶	19.41 ⁶
	16	2.13 ⁶	4.18 ⁶	5.97 ⁶	9.92 ⁶	12.95 ⁶	3.10 ⁶	6.29 ⁶	8.84 ⁶	14.55 ⁶	19.09 ⁶
	24	1.53 ⁶	3.65 ⁶	5.46 ⁶	9.43 ⁶	12.46 ⁶	2.40 ⁶	5.61 ⁶	8.18 ⁶	13.91 ⁶	18.45 ⁶
12	12	2.02 ⁶	4.08 ⁶	5.87 ⁶	9.82 ⁶	12.84 ⁶	2.96 ⁶	6.15 ⁶	8.70 ⁶	14.41 ⁶	18.94 ⁶
	16	1.59 ⁶	3.69 ⁶	5.49 ⁶	9.45 ⁶	12.48 ⁶	2.46 ⁶	5.65 ⁶	8.21 ⁶	13.93 ⁶	18.46 ⁶
	24	0.75 ⁶	2.92 ⁶	4.75 ⁶	8.74 ⁶	11.77 ⁶	1.47 ⁶	4.67 ⁶	7.26 ⁶	12.99 ⁶	17.51 ⁶
14	12	1.54 ⁶	3.63 ⁶	5.43 ⁶	9.38 ⁶	12.40 ⁶	2.39 ⁶	5.56 ⁶	8.12 ⁶	13.82 ⁶	18.34 ⁶
	16	0.96 ⁶	3.10 ⁶	4.92 ⁶	8.88 ⁶	11.91 ⁶	1.72 ⁶	4.89 ⁶	7.45 ⁶	13.16 ⁶	17.67 ⁶
	24	0.00	2.08 ⁵	3.91 ⁶	7.90 ⁶	10.92 ⁶	0.42 ⁵	3.58 ⁶	6.16 ⁶	11.86 ⁶	16.36 ⁶
16	12	1.00 ⁶	3.11 ⁶	4.91 ⁶	8.86 ⁶	11.88 ⁶	1.74 ⁶	4.87 ⁶	7.42 ⁶	13.10 ⁶	17.59 ⁶
	16	0.28 ⁴	2.44 ⁵	4.25 ⁶	8.20 ⁶	11.21 ⁶	0.90 ⁵	4.01 ⁶	6.56 ⁶	12.23 ⁶	16.70 ⁶
	24	0.00	1.15 ³	2.97 ⁴	6.92 ⁶	9.92 ⁶	0.00	2.37 ⁴	4.91 ⁵	10.54 ⁶	14.97 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S250-mils (Fy)					1000S300-mils (Fy)			
		-43 (33)	-54 (50)	-68 (50)	-97 (50)	-118 (50)	-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	4.33 ⁶	7.67 ⁶	11.30 ⁶	19.32 ⁶	25.36 ⁶	10.09 ⁶	13.77 ⁶	23.95 ⁶	32.02 ⁶
	16	4.09 ⁶	7.45 ⁶	11.06 ⁶	19.09 ⁶	25.14 ⁶	9.84 ⁶	13.53 ⁶	23.69 ⁶	31.77 ⁶
	24	3.62 ⁶	7.00 ⁶	10.59 ⁶	18.65 ⁶	24.70 ⁶	9.35 ⁶	13.05 ⁶	23.17 ⁶	31.28 ⁶
9	12	4.13 ⁶	7.49 ⁶	11.10 ⁶	19.13 ⁶	25.17 ⁶	9.85 ⁶	13.53 ⁶	23.66 ⁶	31.69 ⁶
	16	3.83 ⁶	7.20 ⁶	10.80 ⁶	18.84 ⁶	24.89 ⁶	9.54 ⁶	13.22 ⁶	23.33 ⁶	31.37 ⁶
	24	3.23 ⁶	6.63 ⁶	10.21 ⁶	18.27 ⁶	24.32 ⁶	8.91 ⁶	12.61 ⁶	22.67 ⁶	30.75 ⁶
10	12	3.91 ⁶	7.28 ⁶	10.88 ⁶	18.91 ⁶	24.95 ⁶	9.58 ⁶	13.25 ⁶	23.33 ⁶	31.29 ⁶
	16	3.54 ⁶	6.92 ⁶	10.50 ⁶	18.55 ⁶	24.60 ⁶	9.19 ⁶	12.87 ⁶	22.92 ⁶	30.90 ⁶
	24	2.80 ⁶	6.22 ⁶	9.76 ⁶	17.84 ⁶	23.89 ⁶	8.42 ⁶	12.11 ⁶	22.10 ⁶	30.12 ⁶
12	12	3.40 ⁶	6.77 ⁶	10.34 ⁶	18.38 ⁶	24.42 ⁶	8.93 ⁶	12.57 ⁶	22.49 ⁶	30.28 ⁶
	16	2.87 ⁶	6.26 ⁶	9.80 ⁶	17.85 ⁶	23.89 ⁶	8.37 ⁶	12.02 ⁶	21.89 ⁶	29.70 ⁶
	24	1.82 ⁶	5.25 ⁶	8.72 ⁶	16.80 ⁶	22.85 ⁶	7.27 ⁶	10.92 ⁶	20.69 ⁶	28.56 ⁶
14	12	2.78 ⁶	6.14 ⁶	9.66 ⁶	17.71 ⁶	23.74 ⁶	8.14 ⁶	11.72 ⁶	21.42 ⁶	28.92 ⁶
	16	2.07 ⁶	5.44 ⁶	8.92 ⁶	16.97 ⁶	23.00 ⁶	7.38 ⁶	10.97 ⁶	20.59 ⁶	28.12 ⁶
	24	0.70 ⁶	4.10 ⁶	7.47 ⁶	15.52 ⁶	21.54 ⁶	5.92 ⁶	9.50 ⁶	18.95 ⁶	26.56 ⁶
16	12	2.08 ⁶	5.35 ⁶	8.77 ⁶	16.70 ⁶	22.69 ⁶	7.21 ⁶	10.71 ⁶	20.11 ⁶	27.22 ⁶
	16	1.19 ⁶	4.47 ⁶	7.81 ⁶	15.73 ⁶	21.70 ⁶	6.26 ⁶	9.74 ⁶	19.02 ⁶	26.18 ⁶
	24	0.00 ⁴	2.80 ⁵	5.98 ⁶	13.86 ⁶	19.79 ⁶	4.44 ⁵	7.89 ⁶	16.92 ⁶	24.16 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1000S350-mils (Fy)			
		-54 (50)	-68 (50)	-97 (50)	-118 (50)
8	12	10.66 ⁶	15.57 ⁶	26.02 ⁶	35.19 ⁶
	16	10.42 ⁶	15.32 ⁶	25.76 ⁶	34.94 ⁶
	24	9.94 ⁶	14.81 ⁶	25.24 ⁶	34.44 ⁶
9	12	10.42 ⁶	15.31 ⁶	25.73 ⁶	34.84 ⁶
	16	10.12 ⁶	14.99 ⁶	25.40 ⁶	34.52 ⁶
	24	9.51 ⁶	14.35 ⁶	24.74 ⁶	33.88 ⁶
10	12	10.15 ⁶	15.00 ⁶	25.39 ⁶	34.44 ⁶
	16	9.77 ⁶	14.61 ⁶	24.98 ⁶	34.04 ⁶
	24	9.03 ⁶	13.81 ⁶	24.16 ⁶	33.24 ⁶
12	12	9.50 ⁶	14.27 ⁶	24.55 ⁶	33.42 ⁶
	16	8.96 ⁶	13.69 ⁶	23.95 ⁶	32.83 ⁶
	24	7.89 ⁶	12.55 ⁶	22.75 ⁶	31.66 ⁶
14	12	8.71 ⁶	13.36 ⁶	23.49 ⁶	32.12 ⁶
	16	7.98 ⁶	12.58 ⁶	22.65 ⁶	31.30 ⁶
	24	6.56 ⁶	11.04 ⁶	21.01 ⁶	29.68 ⁶
16	12	7.79 ⁶	12.29 ⁶	22.05 ⁶	30.55 ⁶
	16	6.87 ⁶	11.28 ⁶	20.96 ⁶	29.47 ⁶
	24	5.09 ⁶	9.34 ⁶	18.85 ⁶	27.35 ⁶

Notes:

- ¹ Deflection meets L/120
- ² Deflection meets L/240
- ³ Deflection meets L/360
- ⁴ Deflection meets L/480
- ⁵ Deflection meets L/600
- ⁶ Deflection meets L/720
- Axial Load Multiplier = 1
- KyL_y & KtL_t = 48
- Lateral Load Multiplier - Strength = 1
- Lateral Load Multiplier - Deflection = 1.0
- * h/t > 200, stiffeners are required at supports

Tables | Combined Axial and Lateral Load

Allowable Combined Axial and Bending Loads 40psf Lateral Load



Wall Ht. (ft)	Spacing (in) o.c.	1200S162-mils (Fy)			1200S200-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	4.59* ⁶	6.28 ⁶	10.05 ⁶	6.27* ⁶	9.22 ⁶	15.04 ⁶
	16	4.45* ⁶	6.15 ⁶	9.93 ⁶	6.12* ⁶	9.06 ⁶	14.88 ⁶
	24	4.17* ⁶	5.89 ⁶	9.69 ⁶	5.80* ⁶	8.73 ⁶	14.56 ⁶
9	12	4.48* ⁶	6.17 ⁶	9.95 ⁶	6.15* ⁶	9.09 ⁶	14.91 ⁶
	16	4.30* ⁶	6.01 ⁶	9.80 ⁶	5.95* ⁶	8.88 ⁶	14.70 ⁶
	24	3.95* ⁶	5.67 ⁶	9.49 ⁶	5.55* ⁶	8.45 ⁶	14.29 ⁶
10	12	4.35* ⁶	6.05 ⁶	9.84 ⁶	6.01* ⁶	8.93 ⁶	14.76 ⁶
	16	4.13* ⁶	5.85 ⁶	9.65 ⁶	5.76* ⁶	8.67 ⁶	14.50 ⁶
	24	3.70* ⁶	5.43 ⁶	9.26 ⁶	5.27* ⁶	8.15 ⁶	13.99 ⁶
12	12	4.05* ⁶	5.77 ⁶	9.57 ⁶	5.68* ⁶	8.57 ⁶	14.40 ⁶
	16	3.74* ⁶	5.47 ⁶	9.29 ⁶	5.33* ⁶	8.19 ⁶	14.02 ⁶
	24	3.11* ⁶	4.87 ⁶	8.73 ⁶	4.62* ⁶	7.43 ⁶	13.28 ⁶
14	12	3.69* ⁶	5.43 ⁶	9.25 ⁶	5.30* ⁶	8.13 ⁶	13.96 ⁶
	16	3.27* ⁶	5.02 ⁶	8.86 ⁶	4.81* ⁶	7.60 ⁶	13.44 ⁶
	24	2.42* ⁶	4.21 ⁶	8.10 ⁶	3.85* ⁶	6.57 ⁶	12.42 ⁶
16	12	3.28* ⁶	5.03 ⁶	8.87 ⁶	4.85* ⁶	7.61 ⁶	13.43 ⁶
	16	2.72* ⁶	4.49 ⁶	8.36 ⁶	4.22* ⁶	6.92 ⁶	12.75 ⁶
	24	1.64* ⁵	3.45 ⁶	7.36 ⁶	2.96* ⁶	5.58 ⁶	11.41 ⁶

Wall Ht. (ft)	Spacing (in) o.c.	1200S250-mils (Fy)			1200S300-mils (Fy)		
		-54 (50)	-68 (50)	-97 (50)	-54 (50)	-68 (50)	-97 (50)
8	12	7.25* ⁶	10.64 ⁶	18.99 ⁶	10.26 ⁶	13.96 ⁶	24.17 ⁶
	16	7.08* ⁶	10.46 ⁶	18.80 ⁶	10.05 ⁶	13.76 ⁶	23.96 ⁶
	24	6.74* ⁶	10.10 ⁶	18.42 ⁶	9.65 ⁶	13.36 ⁶	23.55 ⁶
9	12	7.11* ⁶	10.49 ⁶	18.83 ⁶	10.09 ⁶	13.79 ⁶	24.00 ⁶
	16	6.90* ⁶	10.26 ⁶	18.59 ⁶	9.83 ⁶	13.54 ⁶	23.73 ⁶
	24	6.47* ⁶	9.80 ⁶	18.10 ⁶	9.31 ⁶	13.04 ⁶	23.20 ⁶
10	12	6.96* ⁶	10.32 ⁶	18.65 ⁶	9.90 ⁶	13.61 ⁶	23.80 ⁶
	16	6.70* ⁶	10.04 ⁶	18.35 ⁶	9.58 ⁶	13.29 ⁶	23.47 ⁶
	24	6.16* ⁶	9.47 ⁶	17.74 ⁶	8.93 ⁶	12.67 ⁶	22.81 ⁶
12	12	6.61* ⁶	9.93 ⁶	18.22 ⁶	9.45 ⁶	13.17 ⁶	23.33 ⁶
	16	6.23* ⁶	9.51 ⁶	17.78 ⁶	8.98 ⁶	12.71 ⁶	22.84 ⁶
	24	5.46* ⁶	8.70 ⁶	16.90 ⁶	8.05 ⁶	11.80 ⁶	21.87 ⁶
14	12	6.20* ⁶	9.45 ⁶	17.69 ⁶	8.84 ⁶	12.56 ⁶	22.68 ⁶
	16	5.68* ⁶	8.88 ⁶	17.08 ⁶	8.21 ⁶	11.93 ⁶	22.01 ⁶
	24	4.63* ⁶	7.77 ⁶	15.86 ⁶	6.95 ⁶	10.70 ⁶	20.67 ⁶
16	12	5.72* ⁶	8.88 ⁶	17.06 ⁶	8.11 ⁶	11.79 ⁶	21.72 ⁶
	16	5.04* ⁶	8.14 ⁶	16.24 ⁶	7.29 ⁶	10.97 ⁶	20.84 ⁶
	24	3.68* ⁶	6.69 ⁶	14.64 ⁶	5.68 ⁶	9.38 ⁶	19.09 ⁶

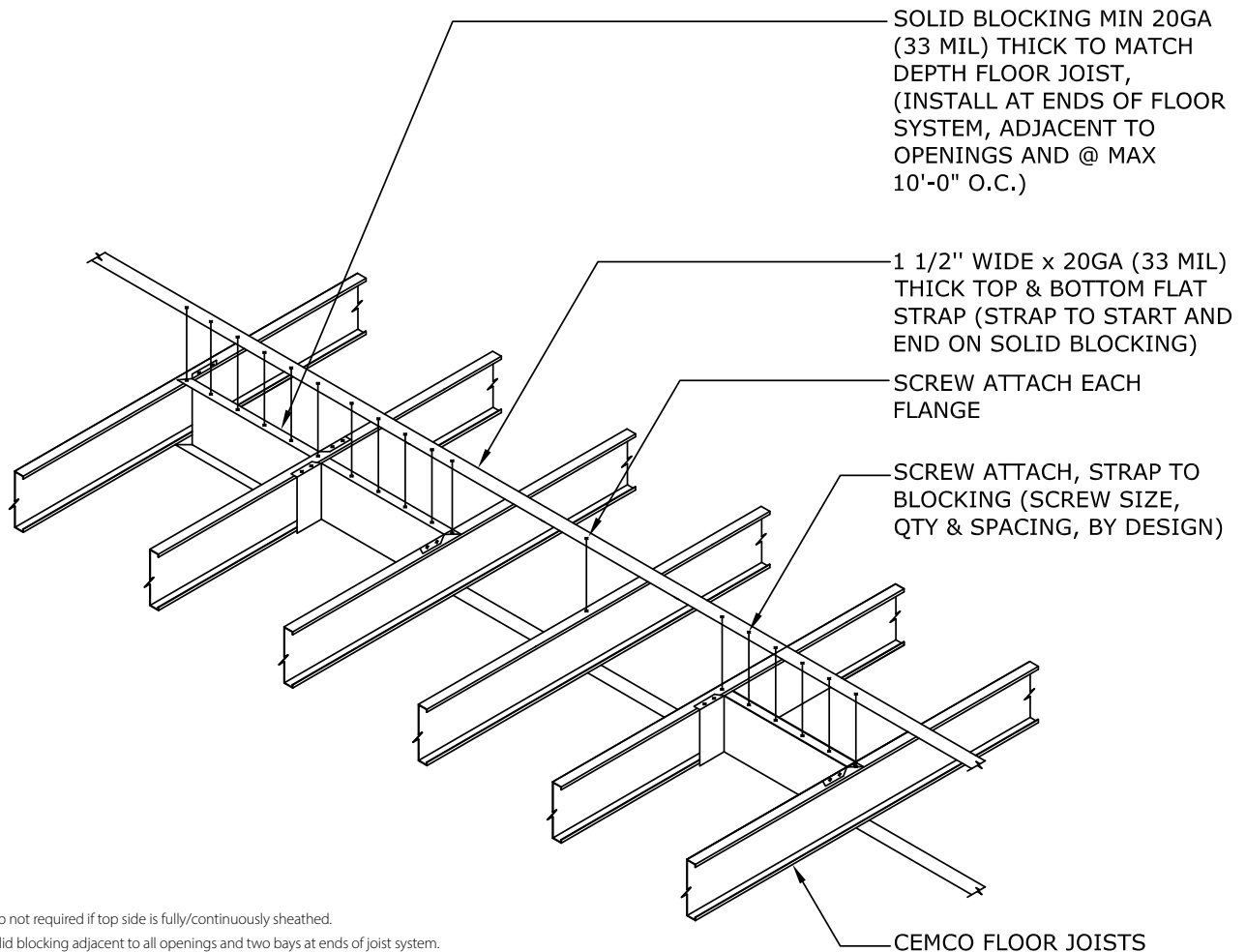
Notes:

- ¹ Deflection meets L/120 • ³ Deflection meets L/360 • ⁵ Deflection meets L/600 • Axial Load Multiplier = 1 • Lateral Load Multiplier - Strength = 1 • * h/t > 200, stiffeners are required at supports
- ² Deflection meets L/240 • ⁴ Deflection meets L/480 • ⁶ Deflection meets L/720 • KyLy & KtLt = 48 • Lateral Load Multiplier - Deflection = 1.0

Floor Joist Bridging and Bracing Notes

1. Bracing members shall be designed in accordance with section D3 of AISI S100.
2. Minimum number of rows required is shown in table, additional rows of bridging may be required by design.
3. All connections MUST be designed by a licensed professional engineer.

Span (ft)	Minimum Number of Rows
Up to 16'	1 row at the mid-span
16' to 24'	2 rows at 1/3 points
24' to 32'	3 rows at 1/4 points
Over 32'	Consult your Engineer of Record



Notes:

1. Top strap not required if top side is fully/continuously sheathed.
2. Place solid blocking adjacent to all openings and two bays at ends of joist system.

Floor Joist Span Table Notes

1. Spans are based on continuous support of compression flange over the full length of the joist.
2. Spans are based on tension flange laterally braced at maximum spacing of 8'-0".
3. Joists must be braced against rotation at all supports.
4. End shear and web crippling capacity have not been reduced for punchouts.
5. End web crippling check is based on 3-1/2" end bearing.
6. "e" indicates web stiffeners are required at end supports.
7. Web stiffeners are required at interior support. Combined bending and web crippling check is not required when web stiffener is provided.
8. Shear capacity at interior support has been reduced for the presence of punchouts adjacent to the supports. Combined bending and shear check is based on unreinforced web in accordance with section C3.3.1 of AISI S100.
9. Total load deflection limited to L/240. Live load deflection limit as noted.
10. Alternate span live loading has been considered for two equal span conditions.
11. Stud distortional buckling based on assumed $K\Phi=0$.



Section	Fy (Ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in)			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
6005162-33	33	14' 6" e	12' 6" e	10' 3" e	14' 6" a	12' 6" a	10' 3" a	14' 3" e	12' 6" e	10' 3" e	14' 6" a	12' 6" a	10' 3" a
6005200-33	33	15' 5" e	13' 4" e	10' 11" e	15' 5" i	13' 4" i	10' 11" a	15' 0" e	13' 4" e	10' 11" e	15' 5" i	13' 4" i	10' 11" a
6005162-43	33	17' 2" e	15' 6" e	12' 8" e	17' 11" i	15' 6" i	12' 8" a	15' 7" e	14' 2" e	12' 4" e	17' 6" i	15' 6" i	12' 8" a
6005200-43	33	18' 0" e	16' 0" e	13' 0" e	18' 5" i	16' 0" i	13' 0" i	16' 4" e	14' 11" e	13' 0" e	18' 4" i	16' 0" i	13' 0" a
6005250-43	33	18' 10" e	16' 5" e	13' 5" e	18' 11" i	16' 5" i	13' 5" a	17' 1" e	15' 7" e	13' 5" e	18' 11" i	16' 5" i	13' 5" a
6005162-54	50	18' 5" e	16' 8" e	14' 7" e	20' 8" i	18' 9" i	16' 4" i	16' 8" e	15' 2" e	13' 3" e	18' 9" i	17' 0" e	14' 10" e
6005200-54	50	19' 4" e	17' 7" e	15' 4" e	21' 8" i	19' 8" i	17' 3" i	17' 7" e	15' 11" e	13' 11" e	19' 8" i	17' 11" e	15' 8" i
6005250-54	50	20' 3" e	18' 4" e	16' 0" e	22' 8" i	20' 8" i	17' 10" i	18' 4" e	16' 8" e	14' 7" e	20' 8" i	18' 9" i	16' 4" i
6005300-54	50	21' 2" e	19' 3" e	16' 10" e	23' 9" i	21' 7" i	18' 10" i	19' 3" e	17' 6" e	15' 3" e	21' 8" i	19' 8" i	17' 2" i
6005162-68	50	19' 8" e	17' 11" e	15' 8" e	22' 2" e	20' 1" e	17' 7" e	17' 11" e	16' 3" e	14' 2" e	20' 1" e	18' 3" e	15' 11" e
6005200-68	50	20' 9" e	18' 10" e	16' 5" e	23' 3" e	21' 2" e	18' 6" e	18' 10" e	17' 1" e	14' 11" e	21' 2" e	19' 3" e	16' 9" e
6005250-68	50	21' 9" e	19' 9" e	17' 3" e	24' 5" e	22' 2" e	19' 4" e	19' 9" e	17' 11" e	15' 8" e	22' 2" e	20' 2" e	17' 7" e
6005300-68	50	22' 11" e	20' 10" e	18' 2" e	25' 9" e	23' 4" e	20' 5" e	20' 10" e	18' 11" e	16' 6" e	23' 4" e	21' 3" e	18' 7" e
6005162-97	50	21' 10" e	19' 10" e	17' 4" e	24' 6" e	22' 3" e	19' 6" e	19' 10" e	18' 0" e	15' 9" e	22' 3" e	20' 3" e	17' 8" e
6005200-97	50	23' 0" e	20' 11" e	18' 3" e	25' 10" e	23' 6" e	20' 6" e	20' 11" e	19' 0" e	16' 7" e	23' 6" e	21' 4" e	18' 8" e
6005250-97	50	24' 2" e	21' 11" e	19' 2" e	27' 2" e	24' 8" e	21' 6" e	21' 11" e	19' 11" e	17' 5" e	24' 8" e	22' 5" e	19' 7" e
6005300-97	50	25' 6" e	23' 2" e	20' 3" e	28' 8" e	26' 0" e	22' 9" e	23' 2" e	21' 1" e	18' 5" e	26' 0" e	23' 8" e	20' 8" e
6005162-118	50	23' 1" e	21' 0" e	18' 4" e	25' 11" e	23' 6" e	20' 7" e	21' 0" e	19' 0" e	16' 8" e	23' 6" e	21' 5" e	18' 8" e
6005200-118	50	24' 4" e	22' 1" e	19' 4" e	27' 4" e	24' 10" e	21' 8" e	22' 1" e	20' 1" e	17' 7" e	24' 10" e	22' 7" e	19' 8" e
6005250-118	50	25' 7" e	23' 3" e	20' 4" e	28' 9" e	26' 1" e	22' 10" e	23' 3" e	21' 1" e	18' 5" e	26' 1" e	23' 9" e	20' 9" e
6005300-118	50	27' 1" e	24' 7" e	21' 6" e	30' 5" e	27' 7" e	24' 1" e	24' 7" e	22' 4" e	19' 6" e	27' 7" e	25' 1" e	21' 11" e
8005162-33	33	16' 8" e	14' 5" e	11' 10" e	16' 8" a	14' 5" a	10' 9" a	16' 8" e	14' 5" e	11' 10" e	16' 8" a	14' 5" a	10' 9" a
8005200-33	33	17' 11" e	15' 6" e	12' 8" e	17' 11" a	15' 0" a	11' 1" a	17' 11" e	15' 6" e	12' 8" e	17' 11" a	15' 0" a	11' 1" a
8005162-43	33	20' 2" e	17' 5" e	14' 3" e	20' 2" i	17' 5" a	14' 3" a	19' 6" e	17' 5" e	14' 3" e	20' 2" i	17' 5" a	14' 3" a
8005200-43	33	21' 7" e	18' 8" e	15' 3" e	21' 7" i	18' 8" a	15' 3" a	20' 6" e	18' 8" e	15' 3" e	21' 7" i	18' 8" a	15' 3" a
8005250-43	33	22' 1" e	19' 2" e	15' 7" e	22' 1" a	19' 2" a	15' 7" a	21' 5" e	19' 2" e	15' 7" e	22' 1" a	19' 2" a	15' 7" a
8005162-54	50	23' 1" e	20' 11" e	18' 3" e	25' 11" i	23' 4" i	19' 1" i	20' 11" e	19' 0" e	16' 7" e	23' 6" e	21' 4" i	18' 8" i
8005200-54	50	24' 3" e	22' 1" e	19' 3" e	27' 3" e	24' 9" i	20' 4" i	22' 1" e	20' 0" e	17' 6" e	24' 9" e	22' 6" e	19' 8" i
8005250-54	50	25' 4" e	23' 0" e	20' 1" e	28' 5" e	25' 6" i	20' 10" i	23' 0" e	20' 11" e	18' 3" e	25' 10" e	23' 6" i	20' 6" i
8005300-54	50	26' 6" e	24' 1" e	21' 1" e	29' 9" i	27' 1" i	22' 7" i	24' 1" e	21' 11" e	19' 1" e	27' 1" e	24' 7" i	21' 6" i
8005162-68	50	24' 11" e	22' 7" e	19' 9" e	27' 11" e	25' 5" e	22' 2" i	22' 7" e	20' 6" e	17' 11" e	25' 5" e	23' 1" e	20' 2" e
8005200-68	50	26' 1" e	23' 8" e	20' 8" e	29' 3" e	26' 7" e	23' 3" i	23' 8" e	21' 6" e	18' 9" e	26' 7" e	24' 2" e	21' 1" e
8005250-68	50	27' 3" e	24' 9" e	21' 7" e	30' 7" e	27' 9" e	24' 3" i	24' 9" e	22' 5" e	19' 7" e	27' 9" e	25' 3" e	22' 0" e
8005300-68	50	28' 7" e	26' 0" e	22' 8" e	32' 1" e	29' 2" e	25' 6" i	25' 6" e	23' 2" e	20' 3" e	28' 8" e	26' 0" e	22' 9" i
8005162-97	50	27' 8" e	25' 1" e	21' 11" e	31' 1" e	28' 2" e	24' 8" e	25' 1" e	22' 10" e	19' 11" e	28' 2" e	25' 7" e	22' 5" e
8005200-97	50	29' 0" e	26' 4" e	23' 0" e	32' 7" e	29' 7" e	25' 10" e	26' 4" e	23' 11" e	20' 11" e	29' 7" e	26' 10" e	23' 6" e
8005250-97	50	30' 4" e	27' 6" e	24' 1" e	34' 0" e	30' 11" e	27' 0" e	27' 6" e	25' 0" e	21' 10" e	30' 11" e	28' 1" e	24' 6" e
8005300-97	50	31' 11" e	29' 0" e	25' 4" e	35' 10" e	32' 6" e	28' 5" e	29' 0" e	26' 4" e	23' 0" e	32' 6" e	29' 7" e	25' 10" e
8005162-118	50	29' 3" e	26' 7" e	23' 3" e	32' 10" e	29' 10" e	26' 1" e	26' 7" e	24' 2" e	21' 1" e	29' 10" e	27' 1" e	23' 8" e
8005200-118	50	30' 9" e	27' 11" e	24' 4" e	34' 6" e	31' 4" e	27' 4" e	27' 11" e	25' 4" e	22' 2" e	31' 4" e	28' 6" e	24' 10" e
8005250-118	50	32' 2" e	29' 2" e	25' 6" e	36' 1" e	32' 9" e	28' 8" e	29' 2" e	26' 6" e	23' 2" e	32' 9" e	29' 9" e	26' 0" e
8005300-118	50	33' 10" e	30' 9" e	26' 10" e	38' 0" e	34' 6" e	30' 2" e	30' 9" e	27' 11" e	24' 5" e	34' 6" e	31' 4" e	27' 5" e
10005162-43	33	22' 4" e	19' 4" e	15' 9" e	22' 4" a	19' 4" a	15' 9" a	22' 4" e	19' 4" e	15' 9" e	22' 4" a	19' 4" a	15' 9" a
10005200-43	33	24' 1" e	20' 10" e	17' 0" e	24' 1" a	20' 10" a	17' 0" a	24' 1" e	20' 10" e	17' 0" e	24' 1" a	20' 10" a	17' 0" a
10005250-43	33	24' 9" e	21' 5" e	17' 6" e	24' 9" a	21' 5" a	17' 5" a	24' 9" e	21' 5" e	17' 6" e	24' 9" a	21' 5" a	17' 5" a
10005162-54	50	27' 5" e	24' 11" e	21' 2" e	29' 11" i	25' 11" i	21' 2" e	24' 11" e	22' 8" e	19' 9" e	28' 0" i	25' 5" i	21' 2" i
10005200-54	50	28' 8" e	26' 1" e	22' 9" e	32' 2" i	27' 10" i	22' 9" i	26' 1" e	22' 8" e	20' 8" e	29' 3" i	26' 7" i	22' 9" i
10005250-54	50	30' 3" e	27' 5" e	23' 4" e	33' 0" i	28' 7" i	23' 4" i	27' 5" e	24' 11" e	21' 9" e	30' 10" i	28' 0" i	23' 4" i
10005300-54	50	31' 8" e	28' 9" e	25' 1" e	35' 6" i	31' 1" i	25' 4" a	28' 9" e	26' 1" e	22' 10" e	32' 3" i	29' 4" i	25' 4" a
10005162-68	50	29' 9" e	27' 0" e	23' 7" e	33' 5" e	30' 4" i	25' 0" i	27' 0" e	24' 7" e	21' 5" e	30' 4" i	27' 7" e	24' 1" i
10005200-68	50	31' 1" e	28' 3" e	24' 8" e	34' 10" e	31' 8" i	26' 9" i	28' 3" e	25' 8" e	22' 5" e	31' 8" e	28' 9" e	25' 2" i
10005250-68	50	32' 6" e	29' 6" e	25' 9" e	36' 6" e	33' 2" i	27' 6" i	29' 6" e	26' 10" e	23' 5" e	33' 2" e	30' 1" e	26' 4" i
10005300-68	50	34' 1" e	30' 11" e	27' 0" e	38' 3" e	34' 9" i	29' 9" i	30' 11" e	28' 1" e	24' 7" e	34' 9" e	31' 7" e	27' 7" i
10005162-97	50	33' 4" e	30' 3" e	26' 5" e	37' 5" e	34' 0" e	29' 8" e	30' 3" e	27' 6" e	24' 0" e	34' 0" e	30' 10" e	26' 11" e
10005200-97	50	34' 9" e	31' 7" e	27' 7" e	39' 1" e	35' 6" e	31' 0" e	31' 7" e	28' 9" e	25' 1" e	35' 6" e	32' 3" e	28' 2" e
10005250-97	50	36' 3" e	32' 11" e	28' 9" e	40' 8" e	36' 11" e	32' 3" e	32' 11" e	29' 11" e	26' 1" e	36' 11" e	33' 7" e	29' 4" e
10005300-97	50	38' 0" e	34' 6" e	30' 2" e	42' 8" e	38' 9" e	33' 11" e	34' 6" e	31' 5" e	27' 5" e	38' 9" e	35' 3" e	30' 9" e
10005162-118	50	35' 3" e	32' 1" e	28' 0" e	39' 7" e	36' 0" e	31' 5" e	32' 1" e	29' 1" e	25' 5" e	36' 0" e	32' 8" e	28' 7" e
10005200-118	50	36' 11" e	33' 6" e	29' 3" e	41' 5" e	37' 8" e	32' 10" e	33' 6" e	30' 5" e	26' 7" e	37' 8" e	34' 2" e	29' 10" e
10005250-118	50	38' 5" e	34' 11" e	30' 6" e	43' 2" e	39' 3" e	34' 3" e	34' 11" e	31' 9" e	27' 9" e	39' 3" e	35' 8" e	31' 1" e
10005300-118	50	40' 5" e	36' 8" e	32' 1" e	45' 4" e	41' 2" e	36' 0" e	36' 8" e	33' 4" e	29' 1" e	41' 2" e	37' 5" e	32' 8" e
12005162-54	50	31' 8" e	27' 10" e	22' 9" e	32' 2" a	27' 10" a	22' 9" a	28' 9" e	26' 2" e	22' 9" e	32' 2" a	27' 10" a	22' 9" a
12005200-54	50	33' 0" e	30' 0" e	24' 7" e	34' 10" a	30' 2" a	24' 7" a	30' 0" e	27' 3" e	23' 9" e	33' 8" a	30' 2" a	24' 7" a
12005250-54	50	34' 4" e	31' 2" e	25' 5" e	36' 0" a	31' 2" a	25' 5" a	31' 2" e	28' 4" e	24' 9" e	35' 0" a	31' 2" a	25' 5" a
12005300-54	50	36' 7" e	33' 3" e	27' 10" e	39' 4" a	34' 1" a	27' 10" a	33' 3" e	30' 2" e	26' 4" e	37' 4" a	33' 11" a	27' 10" a
12005162-68	50	34' 5" e	31' 3" e	27' 1" e	38' 4" i	33' 2" i	27' 1" i	31' 3" e	28' 5" e	24' 9" e	35' 1" e	31' 10" i	27' 1" i
12005200-68	50	35' 10" e	32' 6" e	28' 5" e	40' 3" i	35' 8" i	29' 1" i	32' 6" e	29' 7" e	25' 10" e	36' 6" e	33' 2" i	29' 0" i
12005250-68	50	37' 3" e	33' 10" e	29' 7" e	41' 10" i	36' 10" i	30' 1" i	33' 10" e	30' 9" e	26' 10" e	38' 0" e	34' 6" i	30' 1" i
12005300-68	50	39' 4" e	35' 9" e	31' 3" e	44' 2" i	40' 1" i	32' 9" i	35' 9" e	32' 6" e	28' 5" e	40' 2" e	36' 6" i	31' 10" i



Section	Fy (Ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in)			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
6005162-33	33	12' 6" e	10' 10" e	8' 10" e	12' 6" a	10' 10" a	8' 10" a	12' 6" e	10' 10" e	8' 10" e	12' 6" a	10' 10" a	8' 10" a
6005200-33	33	13' 4" e	11' 7" e	9' 5" e	13' 4" a	11' 7" a	9' 5" a	13' 1" e	11' 7" e	9' 5" e	13' 4" a	11' 7" a	9' 5" a
6005162-43	33	14' 11" e	13' 5" e	10' 11" e	15' 6" i	13' 5" a	10' 11" a	13' 7" e	12' 4" e	10' 9" e	15' 3" i	13' 5" a	10' 11" a
6005200-43	33	15' 9" e	13' 10" e	11' 3" e	16' 0" i	13' 10" a	11' 3" a	14' 3" e	13' 0" e	11' 3" e	16' 0" i	13' 10" a	11' 3" a
6005250-43	33	16' 5" e	14' 2" e	11' 7" e	16' 5" i	14' 2" a	11' 7" a	14' 11" e	13' 7" e	11' 7" e	16' 5" i	14' 2" a	11' 7" a
6005162-54	50	16' 1" e	14' 7" e	12' 9" e	18' 0" i	16' 4" a	14' 4" i	14' 7" e	13' 3" e	11' 7" e	16' 4" i	14' 10" a	13' 0" i
6005200-54	50	16' 10" e	15' 4" e	13' 5" e	18' 11" i	17' 3" i	15' 0" i	15' 4" e	13' 11" e	12' 2" e	17' 3" i	15' 8" i	13' 8" i
6005250-54	50	17' 8" e	16' 0" e	14' 0" e	19' 10" i	18' 0" i	15' 5" i	16' 0" e	14' 7" e	12' 9" e	18' 0" i	16' 4" i	14' 3" i
6005300-54	50	18' 6" e	16' 10" e	14' 8" e	20' 10" i	18' 11" i	16' 6" i	16' 10" e	15' 3" e	13' 4" e	18' 11" i	17' 2" i	15' 0" i
6005162-68	50	17' 3" e	15' 8" e	13' 8" e	19' 4" e	17' 7" e	15' 4" e	15' 8" e	14' 2" e	12' 5" e	17' 7" e	15' 11" i	13' 11" i
6005200-68	50	18' 1" e	16' 5" e	14' 4" e	20' 4" e	18' 6" e	16' 2" e	16' 5" e	14' 11" e	13' 1" e	18' 6" e	16' 9" e	14' 8" e
6005250-68	50	19' 0" e	17' 3" e	15' 1" e	21' 4" e	19' 4" e	16' 11" i	17' 3" e	15' 8" e	13' 8" e	19' 4" e	17' 7" e	15' 4" e
6005300-68	50	20' 0" e	18' 2" e	15' 10" e	22' 6" e	20' 5" e	17' 10" i	18' 2" e	16' 6" e	14' 5" e	20' 5" e	18' 7" e	16' 2" e
6005162-97	50	19' 1" e	17' 4" e	15' 2" e	21' 5" e	19' 6" e	17' 0" e	17' 4" e	15' 9" e	13' 9" e	19' 6" e	17' 8" e	15' 5" e
6005200-97	50	20' 1" e	18' 3" e	15' 11" e	22' 7" e	20' 6" e	17' 11" i	18' 3" e	16' 7" e	14' 6" e	20' 6" e	18' 8" e	16' 3" e
6005250-97	50	21' 1" e	19' 2" e	16' 9" e	23' 8" e	21' 6" e	18' 10" i	19' 2" e	17' 5" e	15' 3" e	21' 6" e	19' 7" e	17' 1" e
6005300-97	50	21' 11" e	19' 11" e	17' 5" e	24' 8" e	22' 5" e	19' 7" e	19' 11" e	18' 1" e	15' 10" e	22' 5" e	20' 4" e	17' 9" e
6005162-118	50	20' 2" e	18' 4" e	16' 0" e	22' 8" e	20' 7" e	17' 11" i	18' 4" e	16' 8" e	14' 6" e	20' 7" e	18' 8" e	16' 4" e
6005200-118	50	21' 3" e	19' 4" e	16' 10" e	23' 11" i	21' 8" e	18' 11" i	19' 4" e	17' 7" e	15' 4" e	21' 8" e	19' 8" e	17' 3" e
6005250-118	50	22' 4" e	20' 4" e	17' 9" e	25' 1" e	22' 10" e	19' 11" i	20' 4" e	18' 5" e	16' 1" e	22' 10" e	20' 9" e	18' 1" e
6005300-118	50	23' 8" e	21' 6" e	18' 9" e	26' 6" e	24' 1" e	21' 1" e	21' 6" e	19' 6" e	17' 0" e	24' 1" e	21' 11" i	19' 1" e
8005162-33	33	14' 5" e	12' 6" e	10' 3" e	14' 5" a	11' 9" a	8' 8" a	14' 5" e	12' 6" e	10' 3" e	14' 5" a	11' 9" a	8' 8" a
8005200-33	33	15' 6" e	13' 5" e	11' 0" e	15' 0" a	12' 2" a	8' 11" a	15' 6" e	13' 5" e	11' 0" e	15' 0" a	12' 2" a	8' 11" a
8005162-43	33	17' 5" e	15' 1" e	12' 4" e	17' 5" a	15' 1" a	12' 4" a	17' 0" e	15' 1" e	12' 4" e	17' 5" a	15' 1" a	12' 4" a
8005200-43	33	18' 8" e	16' 2" e	13' 2" e	18' 8" a	16' 2" a	13' 2" a	17' 11" e	16' 2" e	13' 2" e	18' 8" a	16' 2" a	13' 2" a
8005250-43	33	19' 2" e	16' 7" e	13' 6" e	19' 2" a	16' 7" a	13' 6" a	18' 8" e	16' 7" e	13' 6" e	19' 2" a	16' 7" a	13' 6" a
8005162-54	50	20' 2" e	18' 3" e	16' 0" e	22' 7" i	20' 3" i	16' 6" i	18' 3" e	16' 7" e	14' 6" e	20' 6" e	18' 8" i	16' 4" i
8005200-54	50	21' 2" e	19' 3" e	16' 10" e	23' 10" i	21' 7" i	17' 7" i	19' 3" e	17' 6" e	15' 3" e	21' 7" e	19' 8" i	17' 2" i
8005250-54	50	22' 1" e	20' 1" e	17' 7" e	24' 10" i	22' 1" i	18' 0" i	20' 1" e	18' 3" e	15' 11" e	22' 7" e	20' 6" i	17' 11" i
8005300-54	50	22' 8" e	20' 7" e	18' 0" e	25' 5" i	22' 5" i	18' 3" i	20' 7" e	18' 8" e	16' 4" e	23' 1" i	21' 0" i	18' 3" i
8005162-68	50	21' 9" e	19' 9" e	17' 3" e	24' 5" i	22' 2" e	19' 4" i	19' 9" e	17' 11" e	15' 8" e	22' 2" e	20' 2" e	17' 7" i
8005200-68	50	22' 9" e	20' 8" e	18' 1" e	25' 7" i	23' 3" e	20' 3" i	20' 8" e	18' 9" e	16' 5" e	23' 3" e	21' 1" e	18' 5" i
8005250-68	50	23' 9" e	21' 7" e	18' 10" e	26' 8" i	24' 3" i	21' 1" i	21' 7" e	19' 7" e	17' 2" e	24' 3" e	22' 0" e	19' 3" i
8005300-68	50	25' 0" e	22' 8" e	19' 10" e	28' 1" i	25' 6" i	22' 3" i	22' 8" e	20' 7" e	18' 0" e	25' 6" e	23' 2" e	20' 3" i
8005162-97	50	24' 2" e	21' 11" e	19' 2" e	27' 1" e	24' 8" e	21' 6" e	21' 11" e	19' 11" e	17' 5" e	24' 8" e	22' 5" e	19' 7" e
8005200-97	50	25' 4" e	23' 0" e	20' 1" e	28' 5" e	25' 10" e	22' 7" e	23' 0" e	20' 11" e	18' 3" e	25' 10" e	23' 6" e	20' 6" e
8005250-97	50	26' 6" e	24' 1" e	21' 0" e	29' 9" e	27' 0" e	23' 7" e	24' 1" e	21' 10" e	19' 1" e	27' 0" e	24' 6" e	21' 5" e
8005300-97	50	27' 6" e	24' 11" e	21' 10" e	30' 10" e	28' 0" e	24' 6" e	24' 11" e	22' 8" e	19' 10" e	28' 0" e	25' 5" e	22' 3" e
8005162-118	50	25' 7" e	23' 3" e	20' 3" e	28' 8" e	26' 1" e	22' 9" e	23' 3" e	21' 1" e	18' 5" e	26' 1" e	23' 8" e	20' 8" e
8005200-118	50	26' 10" e	24' 4" e	21' 3" e	30' 2" e	27' 4" e	23' 11" e	24' 4" e	22' 2" e	19' 4" e	27' 4" e	24' 10" e	21' 9" e
8005250-118	50	28' 1" e	25' 6" e	22' 3" e	31' 6" e	28' 8" e	25' 0" e	25' 6" e	23' 2" e	20' 3" e	28' 8" e	26' 0" e	22' 9" e
8005300-118	50	29' 7" e	26' 10" e	23' 6" e	33' 2" e	30' 2" e	26' 4" e	26' 10" e	24' 5" e	21' 4" e	30' 2" e	27' 5" e	23' 11" e
10005162-43	33	19' 4" e	16' 9" e	13' 8" e	19' 4" a	16' 9" a	13' 4" a	19' 4" e	16' 9" e	13' 8" e	19' 4" a	16' 9" a	13' 4" a
10005200-43	33	20' 10" e	18' 0" e	14' 9" e	20' 10" a	18' 0" a	13' 9" a	20' 10" e	18' 0" e	14' 9" e	20' 10" a	18' 0" a	13' 9" a
10005250-43	33	21' 5" e	18' 7" e	15' 2" e	21' 5" a	18' 7" a	14' 2" a	21' 5" e	18' 7" e	15' 2" e	21' 5" a	18' 7" a	14' 2" a
10005162-54	50	24' 0" e	21' 9" e	18' 4" e	25' 11" i	22' 5" i	18' 4" i	21' 9" e	19' 9" e	17' 3" e	24' 5" i	22' 3" i	18' 4" i
10005200-54	50	25' 1" e	22' 9" e	19' 8" e	27' 10" i	24' 1" i	19' 8" a	22' 9" e	20' 8" e	18' 1" e	25' 7" i	23' 2" i	19' 8" a
10005250-54	50	26' 5" e	24' 0" e	20' 2" e	28' 7" i	24' 9" i	20' 2" a	24' 0" e	21' 9" e	19' 0" e	26' 11" i	24' 5" i	20' 2" a
10005300-54	50	27' 2" e	24' 8" e	20' 6" e	29' 0" i	25' 2" i	20' 6" a	24' 8" e	22' 5" e	19' 7" e	27' 8" i	25' 2" i	20' 6" a
10005162-68	50	26' 0" e	23' 7" e	20' 7" e	29' 2" e	26' 6" i	21' 8" i	23' 7" e	21' 5" e	18' 9" e	26' 6" i	24' 1" i	21' 0" i
10005200-68	50	27' 1" e	24' 8" e	21' 6" e	30' 5" e	27' 8" i	23' 2" i	24' 8" e	22' 5" e	19' 7" e	27' 8" e	25' 2" e	21' 11" i
10005250-68	50	28' 4" e	25' 9" e	22' 6" e	31' 10" e	28' 11" i	23' 9" i	25' 9" e	23' 5" e	20' 5" e	28' 11" i	26' 4" i	23' 0" i
10005300-68	50	29' 9" e	27' 0" e	23' 7" e	33' 5" i	30' 4" i	25' 9" i	27' 0" e	24' 7" e	21' 5" e	30' 4" i	27' 7" i	24' 1" i
10005162-97	50	29' 1" e	26' 5" e	23' 1" e	32' 8" e	29' 8" e	25' 11" e	26' 5" e	24' 0" e	21' 0" e	29' 8" e	26' 11" e	23' 7" e
10005200-97	50	30' 5" e	27' 7" e	24' 1" e	34' 1" e	31' 0" e	27' 1" e	27' 7" e	25' 1" e	21' 11" e	31' 0" e	28' 2" e	24' 7" e
10005250-97	50	31' 8" e	28' 9" e	25' 1" e	35' 6" e	32' 3" e	28' 2" e	28' 9" e	26' 1" e	22' 10" e	32' 3" e	29' 4" e	25' 7" e
10005300-97	50	33' 3" e	30' 2" e	26' 4" e	37' 4" e	33' 11" e	29' 7" e	30' 2" e	27' 5" e	23' 11" e	33' 11" e	30' 9" e	26' 11" e
10005162-118	50	30' 10" e	28' 0" e	24' 5" e	34' 7" e	31' 5" e	27' 5" e	28' 0" e	25' 5" e	22' 3" e	31' 5" e	28' 7" e	24' 11" e
10005200-118	50	32' 3" e	29' 3" e	25' 7" e	36' 2" e	32' 10" e	28' 9" e	29' 3" e	26' 7" e	23' 3" e	32' 10" e	29' 10" e	26' 1" e
10005250-118	50	33' 7" e	30' 6" e	26' 8" e	37' 8" e	34' 3" e	29' 11" e	30' 6" e	27' 9" e	24' 2" e	34' 3" e	31' 1" e	27' 2" e
10005300-118	50	35' 3" e	32' 1" e	28' 0" e	39' 7" e	36' 0" e	31' 5" e	32' 1" e	29' 1" e	25' 5" e	36' 0" e	32' 8" e	28' 7" e
12005162-54	50	27' 8" e	24' 2" e	19' 8" e	27' 10" a	24' 2" a	19' 8" a	25' 1" e	22' 10" e	19' 8" e	27' 10" a	24' 2" a	19' 8" a
12005200-54	50	28' 10" e	26' 1" e	21' 4" e	30' 2" a	26' 1" a	21' 3" a	26' 2" e	23' 9" e	20' 9" e	29' 5" a	26' 1" a	21' 3" a
12005250-54	50	30' 0" e	27' 0" e	22' 0" e	31' 2" a	27' 0" a	21' 6" a	27' 3" e	24' 9" e	21' 7" e	30' 7" a	27' 0" a	21' 6" a
12005300-54	50	31' 11" e	29' 0" e	24' 1" e	34' 1" a	29' 6" a	22' 11" a	29' 0" e	26' 4" e	23' 0" e	32' 7" a	29' 6" a	22' 11" a
12005162-68	50	30' 0" e	27' 3" e	23' 5" e	33' 2" i	28' 9" i	23' 5" i	27' 3" e	24' 9" e	21' 8" e	30' 8" e	27' 10" i	23' 5" i
12005200-68	50	31' 3" e	28' 5" e	24' 10" e	35' 2" i	30' 11" i	25' 3" i	28' 5" e	25' 10" e	22' 7" e	31' 11" i	29' 0" i	25' 3" i
12005250-68	50	32' 6" e	29' 7" e	25' 10" e	36' 6" i	31' 11" i	26' 0" i	29' 7" e	26' 10" e	23' 5" e	33' 2" i	30' 2" i	26' 0" i
12005300-68	50	34' 5" e	31' 3" e	27' 3" e	38' 7" i	34' 8" i	28' 4" a	31' 3" e	28' 5" e	24' 9" e	35' 1" i	31' 10" i	27' 10" a
12005162-97	50</												



Section	Fy (Ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in)			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
6005162-33	33	11' 2" e	9' 8" e	7' 11" e	11' 2" a	9' 8" a	7' 11" a	11' 2" e	9' 8" e	7' 11" e	11' 2" a	9' 8" a	7' 11" a
6005200-33	33	11' 11" e	10' 4" e	8' 5" e	11' 11" a	10' 4" a	8' 2" a	11' 11" e	10' 4" e	8' 5" e	11' 11" a	10' 4" a	8' 2" a
6005162-43	33	13' 7" e	12' 0" e	9' 9" e	13' 10" a	12' 0" a	9' 9" a	12' 4" e	11' 2" e	9' 9" e	13' 10" a	12' 0" a	9' 9" a
6005200-43	33	14' 3" e	12' 4" e	10' 1" e	14' 3" a	12' 4" a	10' 1" a	13' 0" e	11' 9" e	10' 1" e	14' 3" a	12' 4" a	10' 1" a
6005250-43	33	14' 8" e	12' 8" e	10' 4" e	14' 8" a	12' 8" a	10' 4" a	13' 7" e	12' 4" e	10' 4" e	14' 8" a	12' 8" a	10' 4" a
6005162-54	50	14' 7" e	13' 3" e	11' 7" e	16' 4" e	14' 10" i	13' 0" i	13' 3" e	12' 0" e	10' 6" e	14' 10" i	13' 6" i	11' 10" i
6005200-54	50	15' 4" e	13' 11" e	12' 2" e	17' 3" e	15' 8" i	13' 6" i	13' 11" e	12' 8" e	11' 0" e	15' 8" i	14' 2" i	12' 5" i
6005250-54	50	16' 0" e	14' 7" e	12' 9" e	18' 0" i	16' 4" i	13' 10" i	14' 7" e	13' 3" e	11' 7" e	16' 4" i	14' 10" i	13' 0" i
6005300-54	50	16' 10" e	15' 3" e	13' 4" e	18' 11" i	17' 2" i	14' 11" i	15' 3" e	13' 11" e	12' 1" e	17' 2" i	15' 7" i	13' 7" i
6005162-68	50	15' 8" e	14' 2" e	12' 5" e	17' 7" e	15' 11" i	13' 11" i	14' 2" e	12' 11" e	11' 3" e	15' 11" i	14' 6" i	12' 8" i
6005200-68	50	16' 5" e	14' 11" e	13' 1" e	18' 6" i	16' 9" i	14' 8" i	14' 11" e	13' 7" e	11' 10" e	16' 9" i	15' 3" i	13' 4" i
6005250-68	50	17' 3" e	15' 8" e	13' 8" e	19' 4" i	17' 7" i	15' 4" i	15' 8" e	14' 3" e	12' 5" e	17' 7" i	16' 0" i	13' 11" i
6005300-68	50	18' 2" e	16' 6" e	14' 5" e	20' 5" i	18' 7" i	16' 2" i	16' 6" e	15' 0" e	13' 1" e	18' 7" i	16' 10" i	14' 9" i
6005162-97	50	17' 4" e	15' 9" e	13' 9" e	19' 6" i	17' 8" i	15' 5" i	15' 9" e	14' 4" e	12' 6" e	17' 8" i	16' 1" i	14' 0" i
6005200-97	50	18' 3" e	16' 7" e	14' 6" e	20' 6" i	18' 8" i	16' 3" i	16' 7" e	15' 1" e	13' 2" e	18' 8" i	16' 11" i	14' 9" i
6005250-97	50	19' 2" e	17' 5" e	15' 3" e	21' 6" i	19' 7" i	17' 1" i	17' 5" e	15' 10" e	13' 10" e	19' 7" i	17' 9" i	15' 6" i
6005300-97	50	20' 3" e	18' 5" e	16' 1" e	22' 9" i	20' 8" i	18' 0" i	18' 5" e	16' 8" i	4' 7" e	20' 8" i	18' 9" i	16' 5" i
6005162-118	50	18' 4" e	16' 8" e	14' 6" e	20' 7" i	18' 8" i	16' 4" i	16' 8" e	15' 1" e	13' 2" e	18' 8" i	17' 0" i	14' 10" i
6005200-118	50	19' 4" e	17' 7" e	15' 4" e	21' 8" i	19' 8" i	17' 3" i	17' 7" e	15' 11" e	13' 11" e	19' 8" i	17' 11" i	15' 8" i
6005250-118	50	20' 4" e	18' 5" e	16' 1" e	22' 10" i	20' 9" i	18' 1" i	18' 5" e	16' 9" e	14' 8" e	20' 9" i	18' 10" i	16' 5" i
6005300-118	50	21' 6" e	19' 6" e	17' 0" e	24' 1" i	21' 11" i	19' 1" i	19' 6" e	17' 9" e	15' 6" e	21' 11" i	19' 11" i	17' 4" i
8005162-33	33	12' 11" e	11' 2" e	9' 2" e	12' 3" a	9' 11" a	7' 3" a	12' 11" e	11' 2" e	9' 2" e	12' 3" a	9' 11" a	7' 3" a
8005200-33	33	13' 10" e	12' 0" e	9' 5" e	12' 9" a	10' 3" a	7' 5" a	13' 10" e	12' 0" e	9' 5" e	12' 9" a	10' 3" a	7' 5" a
8005162-43	33	15' 7" e	13' 6" e	11' 0" e	15' 7" a	13' 6" a	11' 0" a	15' 5" e	13' 6" e	11' 0" e	15' 7" a	13' 6" a	11' 0" a
8005200-43	33	16' 8" e	14' 5" e	11' 9" e	16' 8" a	14' 5" a	11' 9" a	16' 3" e	14' 5" e	11' 9" e	16' 8" a	14' 5" a	11' 9" a
8005250-43	33	17' 1" e	14' 10" e	12' 1" e	17' 1" a	14' 10" a	12' 1" a	17' 0" e	14' 10" e	12' 1" e	17' 1" a	14' 10" a	12' 1" a
8005162-54	50	18' 3" e	16' 7" e	14' 6" e	20' 6" i	18' 1" i	14' 9" i	16' 7" e	15' 1" e	13' 2" e	18' 8" i	16' 11" i	14' 9" i
8005200-54	50	19' 3" e	17' 6" e	15' 3" e	21' 7" i	19' 3" i	15' 9" a	17' 6" e	15' 11" e	13' 10" e	19' 8" i	17' 10" i	15' 7" a
8005250-54	50	20' 1" e	18' 3" e	15' 11" e	22' 7" i	19' 9" i	16' 1" a	18' 3" e	16' 7" e	14' 6" e	20' 6" i	18' 7" i	16' 1" a
8005300-54	50	20' 7" e	18' 8" e	16' 4" e	23' 1" i	20' 0" i	16' 4" a	18' 8" e	17' 0" e	14' 10" e	21' 0" i	19' 1" i	16' 4" a
8005162-68	50	19' 9" e	17' 11" e	15' 8" e	22' 2" i	20' 2" i	17' 4" i	17' 11" e	16' 3" e	14' 3" e	20' 2" i	18' 4" i	16' 0" i
8005200-68	50	20' 8" e	18' 9" e	16' 5" e	23' 3" i	21' 1" i	18' 5" i	18' 9" e	17' 1" e	14' 11" e	21' 1" i	19' 2" i	16' 9" i
8005250-68	50	21' 7" e	19' 7" e	17' 2" e	24' 3" i	22' 0" i	18' 11" i	19' 7" e	17' 10" e	15' 7" e	22' 0" i	20' 0" i	17' 6" i
8005300-68	50	22' 8" e	20' 7" e	18' 0" e	25' 6" i	23' 2" i	20' 3" i	20' 7" e	18' 9" e	16' 4" e	23' 2" i	21' 0" i	18' 4" i
8005162-97	50	21' 11" e	19' 11" e	17' 5" e	24' 8" i	22' 5" i	19' 7" i	19' 11" e	18' 1" e	15' 10" e	22' 5" i	20' 4" i	17' 9" i
8005200-97	50	23' 0" e	20' 11" e	18' 3" e	25' 10" i	23' 6" i	20' 6" i	20' 11" e	19' 0" e	16' 7" e	23' 6" i	21' 4" i	18' 7" i
8005250-97	50	24' 1" e	21' 10" e	19' 1" e	27' 0" i	24' 6" i	21' 5" i	21' 10" e	19' 10" e	17' 4" e	24' 6" i	22' 3" i	19' 6" i
8005300-97	50	25' 4" e	23' 0" e	20' 1" e	28' 5" i	25' 10" i	22' 7" i	23' 0" e	20' 11" e	18' 3" e	25' 10" i	23' 5" i	20' 6" i
8005162-118	50	23' 3" e	21' 1" e	18' 5" e	26' 1" i	23' 8" i	20' 8" i	21' 1" e	19' 2" e	16' 9" e	23' 8" i	21' 6" i	18' 9" i
8005200-118	50	24' 4" e	22' 2" e	19' 4" e	27' 4" i	24' 10" i	21' 9" i	22' 2" e	20' 1" e	17' 7" e	24' 10" i	22' 7" i	19' 9" i
8005250-118	50	25' 6" e	23' 2" e	20' 3" e	28' 8" i	26' 0" i	22' 9" i	23' 2" e	21' 0" e	18' 4" e	26' 0" i	23' 8" i	20' 8" i
8005300-118	50	26' 10" e	24' 5" e	21' 4" e	30' 2" i	27' 5" i	23' 11" i	24' 5" e	22' 2" e	19' 4" e	27' 5" i	24' 11" i	21' 9" i
10005162-43	33	17' 3" e	14' 11" e	12' 2" e	17' 3" a	14' 11" a	11' 4" a	17' 3" e	14' 11" e	12' 2" e	17' 3" a	14' 11" a	11' 4" a
10005200-43	33	18' 8" e	16' 2" e	13' 2" e	18' 8" a	15' 9" a	11' 8" a	18' 8" e	16' 2" e	13' 2" e	18' 8" a	15' 9" a	11' 8" a
10005250-43	33	19' 2" e	16' 7" e	13' 6" e	19' 2" a	16' 2" a	11' 11" a	19' 2" e	16' 7" e	13' 6" e	19' 2" a	16' 2" a	11' 11" a
10005162-54	50	21' 9" e	19' 9" e	16' 4" e	23' 2" i	20' 1" i	16' 4" a	19' 9" e	18' 0" e	15' 8" e	23' 2" i	20' 1" i	16' 4" a
10005200-54	50	22' 9" e	20' 8" e	17' 7" e	24' 11" i	21' 7" i	17' 7" a	20' 8" e	18' 9" e	16' 5" e	23' 2" i	21' 1" i	17' 7" a
10005250-54	50	24' 0" e	21' 9" e	18' 1" e	25' 7" i	22' 2" a	18' 1" a	21' 9" e	19' 9" e	17' 3" e	24' 5" i	22' 2" a	18' 1" a
10005300-54	50	25' 1" e	22' 10" e	19' 8" e	27' 10" i	24' 1" a	19' 8" a	22' 10" e	20' 9" e	18' 1" e	25' 7" i	23' 3" a	19' 8" a
10005162-68	50	23' 7" e	21' 5" e	18' 9" e	26' 6" i	23' 8" i	19' 4" i	21' 5" e	19' 6" e	17' 0" e	24' 1" i	21' 10" i	19' 1" i
10005200-68	50	24' 8" e	22' 5" e	19' 7" e	27' 8" i	25' 2" i	20' 8" i	22' 5" e	20' 4" e	17' 9" e	25' 2" e	22' 10" i	19' 11" i
10005250-68	50	25' 9" e	23' 5" e	20' 5" e	28' 11" i	26' 1" i	21' 3" i	23' 5" e	21' 3" e	18' 7" e	26' 4" e	23' 11" i	20' 10" i
10005300-68	50	27' 0" e	24' 7" e	21' 5" e	30' 4" i	27' 7" i	23' 1" a	24' 7" e	22' 4" e	19' 6" e	27' 7" i	25' 1" i	21' 10" i
10005162-97	50	26' 5" e	24' 0" e	21' 0" e	29' 8" i	26' 11" i	23' 7" i	24' 0" e	21' 10" e	19' 1" e	26' 11" i	24' 6" i	21' 5" i
10005200-97	50	27' 7" e	25' 1" e	21' 11" e	31' 0" i	28' 2" i	24' 7" i	25' 1" e	22' 9" e	19' 11" e	28' 2" i	25' 7" i	22' 4" i
10005250-97	50	28' 9" e	26' 1" e	22' 10" e	32' 3" i	29' 4" i	25' 7" i	26' 1" e	23' 9" e	20' 9" e	29' 4" i	26' 8" i	23' 3" i
10005300-97	50	30' 2" e	27' 5" e	23' 11" e	33' 11" i	30' 9" i	26' 11" i	27' 5" e	24' 11" e	21' 9" e	30' 9" i	28' 0" i	24' 5" i
10005162-118	50	31' 3" e	28' 5" e	24' 10" e	35' 2" i	31' 11" e	27' 11" i	28' 5" e	25' 10" e	22' 7" e	31' 11" e	29' 0" e	25' 4" e
10005200-118	50	32' 0" e	25' 5" e	22' 3" e	31' 5" e	28' 7" e	24' 11" e	25' 5" e	23' 1" e	20' 2" e	28' 7" e	25' 11" e	22' 8" e
10005250-118	50	32' 9" e	26' 7" e	23' 3" e	32' 10" e	29' 10" e	26' 1" e	26' 7" e	24' 2" e	21' 1" e	29' 10" e	27' 2" e	23' 8" e
10005300-118	50	30' 6" e	27' 9" e	24' 2" e	34' 3" e	31' 1" e	27' 2" e	27' 9" e	25' 2" e	22' 0" e	31' 1" e	28' 3" e	24' 8" e
12005162-54	50	24' 11" e	21' 7" e	17' 7" e	24' 11" a	21' 7" a	17' 7" a	22' 10" e	20' 9" e	17' 7" e	24' 11" a	21' 7" a	17' 7" a
12005200-54	50	26' 2" e	23' 4" e	19' 1" e	27' 0" a	23' 4" a	18' 1" a	23' 9" e	21' 7" e	18' 10" e	26' 8" a	23' 4" a	18' 1" a
12005250-54	50	27' 3" e	24' 1" e	19' 8" e	27' 10" a	24' 1" a	18' 3" a	24' 9" e	22' 6" e	19' 8" e	27' 10" a	24' 1" a	18' 3" a
12005300-54	50	28' 5" e	24' 7" e	20' 1" e	28' 5" a	24' 7" a	18' 6" a	25' 11" e	23' 7" e	20' 1" e	28' 5" a	24' 7" a	18' 6" a
12005162-68	50	27' 3" e	24' 9" e	20' 11" e	29' 8" i	25' 8" i	20' 11" i	24' 9" e	22' 6" e	19' 8" e	27' 10" i	25' 3" i	20' 11" i
12005200-68	50	28' 5" e	25' 10" e	22' 7" e	31' 11" i	27' 8" i	22' 7" a	25' 10" e	23' 5" e	20' 6" e	29' 0" i	26' 4" i	22' 7" a
12005250-68	50	29' 7" e	26' 10" e	23' 3" e	32' 11" i	28' 6" i	23' 3" a	26' 10" e	24' 5" e	21' 4" e	30' 2" i	27' 5" i	23' 3" a
12005300-68	50	31' 3" e	28' 5" e	24' 9" e	35' 1" i	31' 0" i	25' 4" a	28' 5" e	25' 9" e	22' 6" e	31' 10" i	28' 11" i	25' 3" a
120051													



Section	Fy (Ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in)			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
6005162-33	33	10' 3" e	8' 10" e	7' 3" e	10' 3" a	8' 10" a	7' 0" a	10' 3" e	8' 10" e	7' 3" e	10' 3" a	8' 10" a	7' 0" a
6005200-33	33	10' 11" e	9' 5" e	7' 8" e	10' 11" a	9' 5" a	7' 2" a	10' 11" e	9' 5" e	7' 8" e	10' 11" a	9' 5" a	7' 2" a
6005162-43	33	12' 7" e	10' 11" e	8' 11" e	12' 8" a	10' 11" a	8' 11" a	11' 5" e	10' 5" e	8' 11" e	12' 8" a	10' 11" a	8' 11" a
6005200-43	33	13' 0" e	11' 3" e	9' 2" e	13' 0" a	11' 3" a	9' 2" a	12' 0" e	10' 11" e	9' 2" e	13' 0" a	11' 3" a	9' 2" a
6005250-43	33	13' 5" e	11' 7" e	9' 5" e	13' 5" a	11' 7" a	9' 5" a	12' 7" e	11' 5" e	9' 5" e	13' 5" a	11' 7" a	9' 5" a
6005162-54	50	13' 6" e	12' 3" e	10' 9" e	15' 2" e	13' 10" i	11' 11" i	12' 3" e	11' 2" e	9' 9" e	13' 10" a	12' 6" i	10' 11" i
6005200-54	50	14' 3" e	12' 11" e	11' 3" e	16' 0" i	14' 6" i	12' 4" i	12' 11" e	11' 9" e	10' 3" e	14' 6" i	13' 2" i	11' 6" i
6005250-54	50	14' 11" e	13' 6" e	11' 10" e	16' 9" i	15' 2" i	12' 7" i	13' 6" e	12' 3" e	10' 9" e	15' 2" i	13' 10" i	12' 1" i
6005300-54	50	15' 7" e	14' 2" e	12' 5" e	17' 6" i	15' 11" i	13' 8" i	14' 2" e	12' 11" e	11' 3" e	15' 11" i	14' 6" i	12' 8" i
6005162-68	50	14' 6" e	13' 2" e	11' 6" e	16' 4" e	14' 10" e	12' 11" i	13' 2" e	12' 0" e	10' 5" e	14' 10" e	13' 5" e	11' 9" e
6005200-68	50	15' 3" e	13' 10" e	12' 1" e	17' 2" e	15' 7" e	13' 7" i	13' 10" e	12' 7" e	11' 0" e	15' 7" e	14' 2" e	12' 4" e
6005250-68	50	16' 0" e	14' 6" e	12' 8" e	18' 0" e	16' 4" i	14' 3" i	14' 6" e	13' 2" e	11' 6" e	16' 4" e	14' 10" e	12' 11" i
6005300-68	50	16' 10" e	15' 4" e	13' 5" e	18' 11" e	17' 3" i	15' 0" i	15' 4" e	13' 11" e	12' 2" e	17' 3" e	15' 8" e	13' 8" i
6005162-97	50	16' 1" e	14' 7" e	12' 9" e	18' 1" e	16' 5" e	14' 4" e	14' 7" e	13' 3" e	11' 7" e	16' 5" e	14' 11" e	13' 0" e
6005200-97	50	16' 11" e	15' 5" e	13' 5" e	19' 0" e	17' 3" e	15' 1" e	15' 5" e	14' 0" e	12' 3" e	17' 3" e	15' 8" e	13' 9" e
6005250-97	50	17' 10" e	16' 2" e	14' 1" e	20' 0" e	18' 2" e	15' 10" e	16' 2" e	14' 8" e	12' 10" e	18' 2" e	16' 6" e	14' 5" e
6005300-97	50	18' 9" e	17' 1" e	14' 11" e	21' 1" e	19' 2" e	16' 9" e	17' 1" e	15' 6" e	13' 6" e	19' 2" e	17' 5" e	15' 2" e
6005162-118	50	17' 0" e	15' 5" e	13' 6" e	19' 1" e	17' 4" e	15' 2" e	15' 5" e	14' 0" e	12' 3" e	17' 4" e	15' 9" e	13' 9" e
6005200-118	50	17' 11" e	16' 3" e	14' 3" e	20' 2" e	18' 3" e	16' 0" e	16' 3" e	14' 10" e	12' 11" e	18' 3" e	16' 7" e	14' 6" e
6005250-118	50	17' 1" e	15' 7" e	13' 7" e	19' 3" e	17' 6" e	15' 3" e	17' 1" e	15' 7" e	13' 7" e	19' 3" e	17' 6" e	15' 3" e
6005300-118	50	19' 11" e	18' 1" e	15' 10" e	22' 4" e	20' 4" e	17' 9" e	18' 1" e	16' 5" e	14' 4" e	20' 4" e	18' 6" e	16' 1" e
8005162-33	33	11' 10" e	10' 3" e	7' 10" e	10' 9" a	8' 8" a	6' 3" a	11' 10" e	10' 3" e	7' 10" e	10' 9" a	8' 8" a	6' 3" a
8005200-33	33	12' 8" e	11' 0" e	7' 10" e	11' 1" a	8' 11" a	6' 3" a	12' 8" e	11' 0" e	7' 10" e	11' 1" a	8' 11" a	6' 3" a
8005162-43	33	14' 3" e	12' 4" e	10' 1" e	14' 3" a	12' 4" a	10' 1" a	14' 3" e	12' 4" e	10' 1" e	14' 3" a	12' 4" a	10' 1" a
8005200-43	33	15' 3" e	13' 2" e	10' 9" e	15' 3" a	13' 2" a	10' 9" a	15' 1" e	13' 2" e	10' 9" e	15' 3" a	13' 2" a	10' 9" a
8005250-43	33	15' 7" e	13' 6" e	11' 0" e	15' 7" a	13' 6" a	11' 0" a	15' 7" e	13' 6" e	11' 0" e	15' 7" a	13' 6" a	11' 0" a
8005162-54	50	17' 0" e	15' 5" e	13' 6" e	19' 1" i	16' 6" i	13' 6" a	15' 5" e	14' 0" e	12' 3" e	17' 4" i	15' 9" i	13' 6" a
8005200-54	50	17' 10" e	16' 3" e	14' 2" e	20' 1" i	17' 7" i	14' 4" a	16' 3" e	14' 9" e	12' 10" e	20' 4" i	17' 7" i	14' 4" a
8005250-54	50	18' 8" e	16' 11" e	14' 8" e	20' 10" i	18' 0" i	14' 8" a	16' 11" e	15' 5" e	13' 5" e	20' 10" i	18' 0" i	14' 8" a
8005300-54	50	19' 6" e	17' 9" e	15' 6" e	22' 7" i	19' 6" a	15' 11" a	17' 9" e	16' 1" e	14' 1" e	22' 7" i	19' 6" a	15' 11" a
8005162-68	50	18' 4" e	16' 8" e	14' 6" e	22' 4" i	19' 4" i	15' 9" i	16' 8" e	15' 1" e	13' 2" e	22' 4" i	19' 4" i	15' 9" i
8005200-68	50	19' 2" e	17' 5" e	15' 3" e	24' 7" i	21' 4" i	17' 5" i	17' 5" e	15' 10" e	13' 10" e	23' 5" i	21' 3" i	17' 5" i
8005250-68	50	20' 0" e	18' 2" e	15' 11" e	24' 5" i	21' 1" i	17' 3" i	18' 2" e	16' 6" e	14' 5" e	24' 5" i	21' 1" i	17' 3" i
8005300-68	50	21' 1" e	19' 2" e	16' 9" e	26' 5" i	22' 10" i	18' 8" i	18' 10" e	17' 1" e	14' 11" e	24' 9" i	21' 5" i	17' 6" i
8005162-97	50	20' 4" e	18' 6" e	16' 2" e	27' 4" e	24' 5" i	19' 11" i	18' 6" e	16' 10" e	14' 8" e	24' 10" e	22' 6" e	19' 8" i
8005200-97	50	21' 4" e	19' 5" e	16' 11" e	28' 8" e	26' 0" e	22' 3" i	19' 5" e	17' 7" e	15' 5" e	26' 0" e	23' 8" e	20' 8" i
8005250-97	50	22' 4" e	20' 3" e	17' 8" e	29' 11" e	27' 2" i	22' 9" i	20' 3" e	18' 5" e	16' 1" e	27' 2" e	24' 8" e	21' 7" i
8005300-97	50	23' 6" e	21' 4" e	18' 8" e	31' 6" e	28' 7" i	23' 6" i	21' 4" e	19' 5" e	16' 11" e	28' 7" e	26' 0" e	22' 9" i
8005162-118	50	21' 7" e	19' 7" e	17' 1" e	28' 11" e	26' 3" e	22' 11" e	19' 7" e	17' 9" e	15' 6" e	26' 3" e	23' 10" e	20' 10" e
8005200-118	50	22' 7" e	20' 7" e	17' 11" e	30' 4" e	27' 7" e	24' 1" i	20' 7" e	18' 8" e	16' 4" e	27' 7" e	25' 0" e	21' 10" e
8005250-118	50	23' 8" e	21' 6" e	18' 9" e	31' 9" e	28' 10" e	25' 2" i	21' 6" e	19' 6" e	17' 1" e	28' 10" e	26' 2" e	22' 10" e
8005300-118	50	24' 11" e	22' 8" e	19' 9" e	33' 5" e	30' 5" e	26' 6" i	22' 8" e	20' 7" e	18' 0" e	30' 5" e	27' 7" e	24' 1" e
10005162-43	33	15' 9" e	13' 8" e	11' 2" e	15' 9" a	13' 4" a	9' 10" a	15' 9" e	13' 8" e	11' 2" e	15' 9" a	13' 4" a	9' 10" a
10005200-43	33	17' 0" e	14' 9" e	12' 0" e	17' 0" a	13' 9" a	10' 2" a	17' 0" e	14' 9" e	12' 0" e	17' 0" a	13' 9" a	10' 2" a
10005250-43	33	17' 6" e	15' 2" e	12' 4" e	17' 5" a	14' 2" a	10' 4" a	17' 6" e	15' 2" e	12' 4" e	17' 5" a	14' 2" a	10' 4" a
10005162-54	50	20' 3" e	18' 4" e	14' 11" e	21' 2" i	18' 4" i	14' 11" a	18' 4" e	16' 8" e	14' 7" e	21' 2" i	18' 4" i	14' 11" a
10005200-54	50	21' 1" e	19' 2" e	16' 1" e	22' 9" i	19' 8" a	16' 1" a	19' 2" e	17' 5" e	15' 3" e	22' 9" i	19' 8" a	16' 1" a
10005250-54	50	22' 3" e	20' 2" e	16' 6" e	23' 4" i	20' 2" a	16' 6" a	20' 3" e	18' 4" e	16' 0" e	22' 8" i	20' 2" a	16' 6" a
10005300-54	50	23' 4" e	21' 2" e	17' 11" e	25' 4" a	22' 0" a	17' 8" a	21' 2" e	19' 3" e	16' 9" e	23' 9" i	21' 7" a	17' 8" a
10005162-68	50	21' 11" e	19' 11" e	17' 4" e	24' 7" i	21' 8" i	17' 8" i	19' 11" e	18' 1" e	15' 9" e	22' 4" e	20' 4" i	17' 8" i
10005200-68	50	22' 10" e	20' 9" e	18' 2" e	25' 8" i	23' 2" i	18' 11" i	20' 9" e	18' 10" e	16' 6" e	23' 4" i	21' 2" i	18' 6" i
10005250-68	50	23' 11" e	21' 9" e	19' 0" e	26' 10" i	23' 9" i	19' 5" a	21' 9" e	19' 9" e	17' 3" e	24' 5" i	22' 2" i	19' 4" a
10005300-68	50	25' 1" e	22' 9" e	19' 11" e	28' 2" i	25' 7" i	21' 0" a	22' 9" e	20' 8" e	18' 1" e	25' 7" i	23' 3" i	20' 4" a
10005162-97	50	24' 6" e	22' 3" e	19' 6" e	27' 7" e	25' 0" e	21' 10" i	22' 3" e	20' 3" e	17' 8" e	25' 0" e	22' 9" e	19' 10" e
10005200-97	50	25' 7" e	23' 3" e	20' 4" e	28' 9" e	26' 2" e	22' 10" i	23' 3" e	21' 2" e	18' 6" e	26' 2" e	23' 9" e	20' 9" e
10005250-97	50	26' 8" e	24' 3" e	21' 2" e	30' 0" e	27' 3" e	23' 9" i	24' 3" e	22' 0" e	19' 3" e	27' 3" e	24' 9" e	21' 7" e
10005300-97	50	28' 0" e	25' 5" e	22' 3" e	31' 5" e	28' 7" e	24' 11" i	25' 5" e	23' 1" e	20' 2" e	28' 7" e	25' 11" e	22' 8" e
10005162-118	50	26' 0" e	23' 7" e	20' 7" e	29' 2" e	26' 6" e	23' 2" e	23' 7" e	21' 5" e	18' 9" e	26' 6" e	24' 1" e	21' 0" e
10005200-118	50	27' 2" e	24' 8" e	21' 7" e	30' 6" e	27' 9" e	24' 2" e	24' 8" e	22' 5" e	19' 7" e	27' 9" e	25' 2" e	22' 0" e
10005250-118	50	28' 4" e	25' 9" e	22' 6" e	31' 10" e	28' 11" e	25' 3" e	25' 9" e	23' 4" e	20' 5" e	28' 11" e	26' 3" e	22' 11" e
10005300-118	50	29' 9" e	27' 0" e	23' 7" e	33' 5" e	30' 4" e	26' 6" e	27' 0" e	24' 7" e	21' 5" e	30' 4" e	27' 7" e	24' 1" e
10005350-118	50	30' 10" e	28' 0" e	24' 6" e	34' 8" e	31' 6" e	27' 6" e	28' 0" e	25' 6" e	22' 3" e	31' 6" e	28' 7" e	25' 0" e
12005162-54	50	22' 9" e	19' 8" e	16' 1" e	22' 9" a	19' 8" a	15' 6" a	21' 2" e	19' 3" e	16' 1" e	22' 9" a	19' 8" a	15' 6" a
12005200-54	50	24' 4" e	21' 4" e	17' 5" e	24' 7" a	21' 3" a	15' 10" a	22' 1" e	20' 1" e	17' 5" e	24' 7" a	21' 3" a	15' 10" a
12005250-54	50	25' 4" e	22' 0" e	18' 0" e	25' 5" a	21' 6" a	15' 11" a	23' 0" e	20' 10" e	18' 0" e	25' 5" a	21' 6" a	15' 11" a
12005300-54	50	26' 11" e	24' 1" e	19' 8" e	27' 10" a	22' 11" a	16' 10" a	24' 6" e	22' 3" e	19' 5" e	27' 10" a	22' 11" a	16' 10" a
12005162-68	50	25' 4" e	23' 0" e	19' 2" e	27' 1" i	23' 5" i	19' 2" a	23' 0" e	20' 11" e	18' 3" e	25' 10" e	23' 5" i	19' 2" a
12005200-68	50	26' 5" e	24' 0" e	20' 7" e	29' 1" i	25' 3" i	20' 7" a	24' 0" e	21' 9" e	19' 0" e	26' 11" i	24' 5" i	20' 7" a
12005250-68	50	27' 5" e	24' 11" e	21' 3" e	30' 1" i	26' 0" i	21' 3" a	24' 11" e	22' 8" e	19' 9" e	28' 0" i	25' 5" i	21' 3" a
12005300-68	50	29' 0"											



Section	Fy (Ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in)			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
6005162-33	33	6' 11" e	6' 0" e	4' 10" e	6' 7" a	5' 4" a	3' 10" a	6' 11" e	6' 0" e	4' 10" e	6' 7" a	5' 4" a	3' 10" a
6005200-33	33	7' 5" e	6' 5" e	4' 10" e	6' 9" a	5' 5" a	3' 11" a	7' 5" e	6' 5" e	4' 10" e	6' 9" a	5' 5" a	3' 11" a
6005162-43	33	8' 7" e	7' 5" e	6' 1" e	8' 7" a	7' 5" a	6' 1" a	8' 7" e	7' 5" e	6' 1" e	8' 7" a	7' 5" a	6' 1" a
6005200-43	33	8' 10" e	7' 8" e	6' 3" e	8' 10" a	7' 8" a	6' 3" a	8' 10" e	7' 8" e	6' 3" e	8' 10" a	7' 8" a	6' 3" a
6005250-43	33	9' 1" e	7' 10" e	6' 5" e	9' 1" a	7' 10" a	6' 5" a	9' 1" e	7' 10" e	6' 5" e	9' 1" a	7' 10" a	6' 5" a
6005162-54	50	10' 9" e	9' 9" e	8' 1" e	11' 6" i	9' 11" i	8' 1" i	9' 9" e	8' 10" e	7' 9" e	10' 11" i	9' 11" i	8' 1" i
6005200-54	50	11' 3" e	10' 3" e	8' 4" e	11' 10" i	10' 3" i	8' 4" i	10' 3" e	9' 4" e	8' 1" e	11' 6" i	10' 3" i	8' 4" i
6005250-54	50	11' 10" e	10' 6" e	8' 6" e	12' 1" i	10' 6" i	8' 6" i	10' 9" e	9' 9" e	8' 6" e	12' 1" i	10' 6" i	8' 6" i
6005300-54	50	12' 5" e	11' 3" e	9' 3" e	13' 1" i	11' 4" i	9' 3" a	11' 3" e	10' 3" e	8' 11" e	12' 8" i	11' 4" i	9' 3" i
6005162-68	50	11' 6" e	10' 5" e	9' 1" e	12' 11" i	11' 8" i	9' 6" i	10' 5" e	9' 6" e	8' 3" e	11' 9" i	10' 8" i	9' 4" i
6005200-68	50	12' 1" e	11' 0" e	9' 7" e	13' 7" i	12' 4" i	10' 1" i	11' 0" e	10' 0" e	8' 9" e	12' 4" i	11' 3" i	9' 10" i
6005250-68	50	12' 8" e	11' 6" e	10' 0" e	14' 1" i	12' 3" i	10' 0" i	11' 6" e	10' 6" e	9' 2" e	12' 11" i	11' 9" i	10' 0" i
6005300-68	50	13' 5" e	12' 2" e	10' 7" e	15' 0" i	13' 3" i	10' 9" i	12' 2" e	11' 0" e	9' 8" e	13' 8" i	12' 5" i	10' 9" i
6005162-97	50	12' 9" e	11' 7" e	10' 1" e	14' 4" i	13' 0" i	11' 4" i	11' 7" e	10' 6" e	9' 2" e	13' 0" i	11' 10" i	10' 4" i
6005200-97	50	13' 5" e	12' 3" e	10' 8" e	15' 1" i	13' 9" i	12' 0" i	12' 3" e	11' 1" e	9' 8" e	13' 9" i	12' 5" i	10' 11" i
6005250-97	50	14' 1" e	12' 10" e	11' 2" e	15' 10" i	14' 5" i	12' 7" i	12' 10" e	11' 8" e	10' 2" e	14' 5" i	13' 1" i	11' 5" i
6005300-97	50	14' 11" e	13' 6" e	11' 10" e	16' 9" i	15' 2" i	13' 3" i	13' 6" e	12' 4" e	10' 9" e	15' 2" i	13' 10" i	12' 1" i
6005162-118	50	13' 6" e	12' 3" e	10' 8" e	15' 2" i	13' 9" i	12' 0" i	12' 3" e	11' 1" e	9' 8" e	13' 9" i	12' 6" i	10' 11" i
6005200-118	50	14' 3" e	12' 11" e	11' 3" e	16' 0" i	14' 6" i	12' 8" i	12' 11" e	11' 9" e	10' 3" e	14' 6" i	13' 2" i	11' 6" i
6005250-118	50	14' 11" e	13' 7" e	11' 10" e	16' 10" i	15' 3" i	13' 4" i	13' 7" e	12' 4" e	10' 9" e	15' 3" i	13' 10" i	12' 1" i
6005300-118	50	15' 10" e	14' 4" e	12' 6" e	17' 9" i	16' 1" i	14' 1" i	14' 4" e	13' 0" e	11' 5" e	16' 1" i	14' 8" i	12' 9" i
8005162-33	33	7' 3" e	5' 5" e	3' 7" e	5' 10" a	4' 4" a	2' 11" a	7' 3" e	5' 5" e	3' 7" e	5' 10" a	4' 4" a	2' 11" a
8005200-33	33	7' 3" e	5' 5" e	3' 7" e	5' 10" a	4' 4" a	2' 11" a	7' 3" e	5' 5" e	3' 7" e	5' 10" a	4' 4" a	2' 11" a
8005162-43	33	9' 8" e	8' 4" e	6' 10" e	9' 8" a	7' 10" a	5' 10" a	9' 8" e	8' 4" e	6' 10" e	9' 8" a	7' 10" a	5' 10" a
8005200-43	33	10' 4" e	8' 11" e	7' 4" e	10' 4" a	8' 4" a	6' 1" a	10' 4" e	8' 11" e	7' 4" e	10' 4" a	8' 4" a	6' 1" a
8005250-43	33	10' 7" e	9' 2" e	7' 6" e	10' 5" a	8' 5" a	6' 2" a	10' 7" e	9' 2" e	7' 6" e	10' 5" a	8' 5" a	6' 2" a
8005162-54	50	12' 11" e	11' 2" e	9' 2" e	12' 11" i	11' 2" i	9' 2" a	12' 3" e	11' 1" e	9' 2" e	12' 11" i	11' 2" i	9' 2" a
8005200-54	50	13' 10" e	11' 11" e	9' 9" e	13' 10" i	11' 11" i	9' 9" a	12' 10" e	11' 8" e	9' 9" e	13' 10" i	11' 11" i	9' 9" a
8005250-54	50	14' 1" e	12' 3" e	10' 0" e	14' 1" i	12' 3" i	10' 0" a	13' 5" e	12' 2" e	10' 0" e	14' 1" i	12' 3" i	10' 0" a
8005300-54	50	15' 4" e	13' 3" e	10' 10" e	15' 4" i	13' 3" a	10' 6" a	14' 1" e	12' 9" e	10' 10" e	15' 4" i	13' 3" a	10' 6" a
8005162-68	50	14' 6" e	13' 2" e	10' 9" e	15' 2" i	13' 2" i	10' 9" i	13' 2" e	12' 0" e	10' 6" e	14' 10" i	13' 2" i	10' 9" i
8005200-68	50	15' 3" e	13' 10" e	11' 10" e	16' 8" i	14' 6" i	11' 10" i	13' 10" e	12' 7" e	11' 0" e	15' 3" e	14' 1" i	11' 10" i
8005250-68	50	15' 11" e	14' 4" e	11' 8" e	16' 7" i	14' 4" i	11' 8" i	14' 5" e	13' 1" e	11' 5" e	16' 3" i	14' 4" i	11' 8" i
8005300-68	50	16' 9" e	15' 2" e	12' 8" e	17' 11" i	15' 6" a	12' 8" a	15' 2" e	13' 9" e	12' 0" e	17' 1" i	15' 6" a	12' 8" a
8005162-97	50	16' 2" e	14' 8" e	12' 10" e	18' 2" i	16' 6" i	13' 6" i	14' 8" e	13' 4" e	11' 8" e	16' 6" i	15' 0" i	13' 1" i
8005200-97	50	16' 11" e	15' 5" e	13' 5" e	19' 0" i	17' 3" i	15' 1" i	15' 5" e	14' 0" e	12' 2" e	17' 3" i	15' 8" i	13' 8" i
8005250-97	50	17' 8" e	16' 1" e	14' 1" e	19' 11" i	18' 1" i	15' 5" i	16' 1" e	14' 7" e	12' 9" e	18' 1" i	16' 5" i	14' 4" i
8005300-97	50	18' 8" e	16' 11" e	14' 9" e	20' 11" i	19' 0" i	16' 0" i	16' 11" e	15' 5" e	13' 5" e	19' 0" i	17' 3" i	15' 1" i
8005162-118	50	17' 1" e	15' 6" e	13' 7" e	19' 2" i	17' 5" i	15' 3" i	15' 6" e	14' 1" e	12' 4" e	17' 5" i	15' 10" i	13' 10" i
8005200-118	50	17' 11" e	16' 4" e	14' 3" e	20' 2" i	18' 4" i	16' 0" i	16' 4" e	14' 10" e	12' 11" e	18' 4" i	16' 8" i	14' 6" i
8005250-118	50	18' 9" e	17' 1" e	14' 11" e	21' 1" i	19' 2" i	16' 9" i	17' 1" e	15' 6" e	13' 6" e	19' 2" i	17' 5" i	15' 2" i
8005300-118	50	19' 9" e	18' 0" e	15' 8" e	22' 3" a	20' 2" i	17' 7" i	18' 0" e	16' 4" e	14' 3" e	20' 2" i	18' 4" i	16' 0" i
10005162-43	33	10' 8" e	9' 3" e	6' 5" e	9' 3" a	7' 5" a	5' 1" a	10' 8" e	9' 3" e	6' 5" e	9' 3" a	7' 5" a	5' 1" a
10005200-43	33	11' 6" e	9' 7" e	6' 5" e	9' 6" a	7' 7" a	5' 1" a	11' 6" e	9' 7" e	6' 5" e	9' 6" a	7' 7" a	5' 1" a
10005250-43	33	11' 10" e	9' 7" e	6' 5" e	9' 9" a	7' 8" a	5' 1" a	11' 10" e	9' 7" e	6' 5" e	9' 9" a	7' 8" a	5' 1" a
10005162-54	50	14' 4" e	12' 5" e	10' 2" e	14' 4" i	12' 3" i	9' 1" a	14' 4" e	12' 5" e	10' 2" e	14' 4" i	12' 3" i	9' 1" a
10005200-54	50	15' 5" e	13' 4" e	10' 11" e	15' 5" i	12' 6" i	9' 3" a	15' 3" e	13' 4" e	10' 11" e	15' 5" i	12' 6" i	9' 3" a
10005250-54	50	15' 10" e	13' 9" e	11' 2" e	15' 10" i	12' 10" i	9' 5" a	15' 10" e	13' 9" e	11' 2" e	15' 10" i	12' 10" i	9' 5" a
10005300-54	50	17' 3" e	14' 11" e	12' 2" e	16' 8" i	13' 5" a	9' 10" a	16' 9" e	14' 11" e	12' 2" e	16' 8" i	13' 5" a	9' 10" a
10005162-68	50	16' 11" e	14' 8" e	12' 0" e	16' 11" i	14' 8" i	12' 0" i	15' 9" e	14' 4" e	12' 0" e	16' 11" i	14' 8" i	12' 0" i
10005200-68	50	18' 2" e	15' 9" e	12' 10" e	18' 2" i	15' 9" i	12' 10" i	16' 6" e	15' 0" e	12' 10" e	18' 2" i	15' 9" i	12' 10" i
10005250-68	50	18' 8" e	16' 2" e	13' 2" e	18' 8" i	16' 2" i	13' 2" a	17' 3" e	15' 8" e	13' 2" e	18' 8" i	16' 2" i	13' 2" a
10005300-68	50	19' 11" e	17' 6" e	14' 3" e	20' 3" i	17' 6" i	14' 3" a	18' 1" e	16' 5" e	14' 3" e	20' 3" i	17' 6" i	14' 3" a
10005162-97	50	19' 6" e	17' 8" e	15' 4" e	21' 9" i	18' 10" i	15' 4" i	17' 8" e	16' 1" e	14' 0" e	19' 10" i	18' 0" i	15' 4" i
10005200-97	50	20' 4" e	18' 6" e	16' 1" e	22' 10" i	20' 0" i	16' 4" i	18' 6" e	16' 9" e	14' 8" e	20' 9" i	18' 10" i	16' 4" i
10005250-97	50	21' 2" e	19' 3" e	16' 9" e	23' 9" i	21' 5" i	17' 6" i	19' 3" e	17' 6" e	15' 3" e	21' 7" i	19' 7" i	17' 2" i
10005300-97	50	22' 3" e	20' 2" e	17' 8" e	24' 11" i	22' 3" i	18' 2" i	20' 2" e	18' 4" e	16' 0" e	22' 8" i	20' 7" i	18' 0" i
10005162-118	50	20' 7" e	18' 9" e	16' 4" e	23' 2" i	21' 0" i	17' 6" i	18' 9" e	17' 0" e	14' 10" e	21' 0" i	19' 1" i	16' 8" i
10005200-118	50	21' 7" e	19' 7" e	17' 1" e	24' 2" i	22' 0" i	18' 7" i	19' 7" e	17' 9" e	15' 6" e	22' 0" i	20' 0" i	17' 5" i
10005250-118	50	22' 6" e	20' 5" e	17' 10" e	25' 3" i	22' 11" i	20' 0" i	20' 5" e	18' 6" e	16' 2" e	22' 11" i	20' 10" i	18' 2" i
10005300-118	50	23' 7" e	21' 5" e	18' 9" e	26' 6" i	24' 1" i	21' 0" i	21' 5" e	19' 6" e	17' 0" e	24' 1" i	21' 10" i	19' 1" i
12005162-54	50	15' 5" e	13' 4" e	10' 7" e	14' 7" a	11' 9" a	8' 5" a	15' 5" e	13' 4" e	10' 7" e	14' 7" a	11' 9" a	8' 5" a
12005200-54	50	16' 9" e	14' 6" e	10' 7" e	14' 11" a	11' 11" a	8' 5" a	16' 9" e	14' 6" e	10' 7" e	14' 11" a	11' 11" a	8' 5" a
12005250-54	50	17' 3" e	14' 11" e	10' 7" e	15' 0" a	12' 0" a	8' 5" a	17' 3" e	14' 11" e	10' 7" e	15' 0" a	12' 0" a	8' 5" a
12005300-54	50	18' 10" e	15' 10" e	10' 7" e	15' 10" a	12' 7" a	8' 5" a	18' 10" e	15' 10" e	10' 7" e	15' 10" a	12' 7" a	8' 5" a
12005162-68	50	18' 4" e	15' 11" e	13' 0" e	18' 4" i	15' 11" i	13' 0" a	18' 3" e	15' 11" e	13' 0" e	18' 4" i	15' 11" i	13' 0" a
12005200-68	50	19' 9" e	17' 1" e	14' 0" e	19' 9" i	17' 1" i	13' 8" a	19' 0" e	17' 1" e	14' 0" e	19' 9" i	17' 1" i	13' 8" a
12005250-68	50	20' 5" e	17' 8" e	14' 5" e	20' 5" i	17' 8" i	13' 9" a	19' 9" e	17' 8" e	14' 5" e	20' 5" i	17' 8" i	13' 9" a
12005300-68	50	22' 3" e	19' 3" e	15' 8" e	22' 3" i	19' 3" a	14' 6" a	20' 11" e	19' 0" e	15' 8" e	22' 3" i	19' 3" a	14' 6" a
12005162-97	50	22' 8" e	20' 7" e	16' 10" e	23' 10" i	20' 8" i	16' 10" i	20' 7" e	18' 9" e	16' 4" e	23' 2" i	20' 8" i	16' 10" i



Section	Fy (Ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in)			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
6005162-33	33	6'8"e	5'9"e	4'6"e	6'3"a	5'0"a	3'7"a	6'8"e	5'9"e	4'6"e	6'3"a	5'0"a	3'7"a
6005200-33	33	7'1"e	6'2"e	4'6"e	6'4"a	5'1"a	3'7"a	7'1"e	6'2"e	4'6"e	6'4"a	5'1"a	3'7"a
6005162-43	33	8'3"e	7'2"e	5'10"e	8'3"a	7'2"a	5'10"a	8'3"e	7'2"e	5'10"e	8'3"a	7'2"a	5'10"a
6005200-43	33	8'6"e	7'4"e	6'0"e	8'6"a	7'4"a	6'0"a	8'6"e	7'4"e	6'0"e	8'6"a	7'4"a	6'0"a
6005250-43	33	8'9"e	7'7"e	6'2"e	8'9"a	7'7"a	6'2"a	8'9"e	7'7"e	6'2"e	8'9"a	7'7"a	6'2"a
6005162-54	50	10'0"	9'1"	7'10"e	11'1"i	9'7"i	7'10"i	9'1"	8'3"	7'2"e	10'2"i	9'3"i	7'10"i
6005200-54	50	10'6"	9'6"	8'0"e	11'5"i	9'10"i	8'0"i	9'6"	8'8"	7'6"e	10'8"i	9'8"i	8'0"i
6005250-54	50	11'0"	9'11"e	8'3"e	11'8"i	10'1"i	8'3"a	9'11"	9'0"	7'11"e	11'2"i	10'1"i	8'3"a
6005300-54	50	11'6"	10'5"e	8'11"e	12'7"i	10'11"i	8'11"a	10'5"	9'6"	8'3"e	11'9"i	10'8"i	8'11"a
6005162-68	50	10'8"	9'8"	8'6"	12'0"i	10'11"i	9'2"i	9'8"	8'10"	7'8"	10'11"i	9'11"i	8'8"i
6005200-68	50	11'3"	10'2"	8'11"	12'7"i	11'6"i	9'8"i	10'2"	9'3"	8'1"	11'6"i	10'5"i	9'1"i
6005250-68	50	11'9"	10'8"	9'4"	13'3"i	11'9"i	9'7"i	10'8"	9'9"	8'6"	12'0"i	10'11"i	9'6"i
6005300-68	50	12'5"	11'3"	9'10"e	13'11"i	12'8"i	10'5"i	11'3"	10'3"	8'11"	12'8"i	11'6"i	10'1"i
6005162-97	50	11'10"	10'9"	9'5"	13'4"	12'1"	10'7"i	10'9"	9'9"	8'6"	12'1"	11'0"i	9'7"i
6005200-97	50	12'6"	11'4"	9'11"	14'0"	12'9"	11'1"i	11'4"	10'4"	9'0"	12'9"	11'7"i	10'1"i
6005250-97	50	13'1"	11'11"	10'5"	14'9"	13'4"	11'8"i	11'11"	10'10"	9'5"	13'4"	12'2"	10'7"i
6005300-97	50	13'10"	12'7"	11'0"	15'6"	14'1"i	12'4"i	11'5"	11'5"	10'0"	14'1"	12'10"	11'2"i
6005162-118	50	12'6"	11'4"	9'11"	14'1"	12'9"	11'2"	11'4"	10'4"	9'0"	12'9"	11'7"i	10'1"
6005200-118	50	13'2"	12'0"	10'6"	14'10"	13'6"	11'9"	12'0"	10'11"	9'6"	13'6"	12'3"	10'8"
6005250-118	50	13'11"	12'7"	11'0"	15'7"	14'2"	12'4"	12'7"	11'5"	10'0"	14'2"	12'10"	11'3"
6005300-118	50	14'8"	13'4"	11'8"	16'6"	15'0"	13'1"i	13'4"	12'1"	10'7"	15'0"	13'7"i	11'10"
8005162-33	33	6'9"e	5'0"e	3'4"e	5'5"a	4'0"a	2'8"a	6'9"e	5'0"e	3'4"e	5'5"a	4'0"a	2'8"a
8005200-33	33	6'9"e	5'0"e	3'4"e	5'5"a	4'0"a	2'8"a	6'9"e	5'0"e	3'4"e	5'5"a	4'0"a	2'8"a
8005162-43	33	9'4"e	8'1"e	6'7"e	9'2"a	7'5"a	5'6"a	9'4"e	8'1"e	6'7"e	9'2"a	7'5"a	5'6"a
8005200-43	33	9'11"e	8'7"e	7'0"e	9'10"a	7'11"a	5'9"a	9'11"e	8'7"e	7'0"e	9'10"a	7'11"a	5'9"a
8005250-43	33	10'2"e	8'10"e	7'2"e	9'10"a	7'11"a	5'9"a	10'2"e	8'10"e	7'2"e	9'10"a	7'11"a	5'9"a
8005162-54	50	12'5"e	10'9"e	8'10"e	12'5"i	10'9"i	8'10"a	11'4"	10'4"e	8'10"e	12'5"i	10'9"i	8'10"a
8005200-54	50	13'2"e	11'6"e	9'5"e	13'4"i	11'6"a	9'5"a	11'11"	10'10"e	9'5"e	13'4"i	11'6"i	9'5"a
8005250-54	50	13'7"e	11'9"e	9'7"e	13'7"i	11'9"i	9'6"a	12'6"e	11'4"e	9'7"e	13'7"i	11'9"i	9'6"a
8005300-54	50	14'5"e	12'9"e	10'5"e	14'9"i	12'9"a	10'0"a	13'1"e	11'10"e	10'4"e	14'8"i	12'9"a	10'0"a
8005162-68	50	13'6"	12'3"	10'4"e	14'7"i	12'8"i	10'4"i	12'3"	11'2"	9'9"e	13'9"i	12'6"i	10'4"i
8005200-68	50	14'2"	12'10"	11'2"e	15'10"i	13'11"i	11'4"i	12'10"	11'8"	10'2"e	14'5"i	13'1"i	11'4"i
8005250-68	50	14'9"	13'5"	11'3"e	15'11"i	13'10"i	11'3"i	13'5"	12'2"	10'8"e	15'1"i	13'8"i	11'3"i
8005300-68	50	15'6"	14'1"e	12'2"e	17'3"i	14'11"i	12'2"i	14'1"	12'10"	11'2"e	15'10"i	14'4"i	12'2"a
8005162-97	50	15'0"	13'7"	11'11"	16'10"i	15'3"i	13'1"i	13'7"	12'4"	10'10"	15'3"i	13'11"i	12'2"i
8005200-97	50	15'9"	14'3"	12'6"	17'8"	16'0"i	14'0"i	14'3"	13'0"	11'4"	16'0"	14'7"	12'9"i
8005250-97	50	16'5"	14'11"	13'0"	18'5"	16'9"i	14'8"i	14'11"	13'7"	11'10"	16'9"	15'3"i	13'4"i
8005300-97	50	17'4"	15'9"	13'9"	19'5"i	17'8"i	15'5"i	15'9"	14'3"	12'6"	17'8"	16'0"i	14'0"i
8005162-118	50	15'10"	14'5"	12'7"	17'10"	16'2"	14'2"i	14'5"	13'1"	11'5"	16'2"	14'8"	12'10"
8005200-118	50	16'8"	15'2"	13'3"	18'8"	17'0"	14'10"i	15'2"	13'9"	12'0"	17'0"	15'5"	13'6"
8005250-118	50	17'5"	15'10"	13'10"	19'7"	17'9"	15'6"i	15'10"	14'5"	12'7"	17'9"	16'2"	14'1"i
8005300-118	50	18'4"	16'8"	14'7"	20'7"	18'9"	16'4"i	16'8"	15'2"	13'3"	18'9"	17'0"	14'10"i
10005162-43	33	10'4"e	8'11"e	5'11"e	8'9"a	7'0"a	4'9"a	10'4"e	8'11"e	5'11"e	8'9"a	7'0"a	4'9"a
10005200-43	33	11'1"e	8'11"e	5'11"e	9'0"a	7'1"a	4'9"a	11'1"e	8'11"e	5'11"e	9'0"a	7'1"a	4'9"a
10005250-43	33	11'5"e	8'11"e	5'11"e	9'2"a	7'1"a	4'9"a	11'5"e	8'11"e	5'11"e	9'2"a	7'1"a	4'9"a
10005162-54	50	13'10"e	12'0"e	9'9"e	13'10"i	11'7"i	8'7"a	13'6"e	12'0"e	9'9"e	13'10"i	11'7"i	8'7"a
10005200-54	50	14'10"e	12'10"e	10'6"e	14'7"i	11'10"i	8'9"a	14'1"e	12'10"e	10'6"e	14'7"i	11'10"i	8'9"a
10005250-54	50	15'3"e	13'3"e	10'9"e	15'0"i	12'2"a	8'11"a	14'11"e	13'3"e	10'9"e	15'0"i	12'2"a	8'11"a
10005300-54	50	16'7"e	14'4"e	11'9"e	15'9"i	12'9"a	9'3"a	15'7"e	14'2"e	11'9"e	15'9"i	12'9"a	9'3"a
10005162-68	50	16'2"	14'2"e	11'7"e	16'4"i	14'2"i	11'7"i	14'8"	13'4"	11'7"e	16'4"i	14'2"i	11'7"i
10005200-68	50	16'10"	15'2"e	12'4"e	17'6"i	15'2"i	12'4"a	15'4"	13'11"e	12'2"e	17'2"i	15'2"i	12'4"i
10005250-68	50	17'7"	15'7"e	12'8"e	18'0"i	15'7"i	12'8"a	16'0"	14'6"e	12'8"e	18'0"i	15'7"i	12'8"a
10005300-68	50	18'6"e	16'9"e	13'9"e	19'6"i	16'10"i	13'9"a	16'9"	15'3"e	13'4"e	18'10"i	16'10"i	13'9"a
10005162-97	50	18'1"	16'5"	14'4"	20'3"i	18'2"i	14'10"i	16'5"	14'11"	13'0"	18'5"i	16'9"i	14'7"i
10005200-97	50	18'10"	17'2"	15'0"	21'2"i	19'3"i	15'9"i	17'2"	15'7"	13'7"	19'3"i	17'6"i	15'3"i
10005250-97	50	19'8"	17'10"	15'7"	22'1"i	20'1"i	16'10"i	17'10"	16'3"	14'2"	20'1"	18'2"i	15'11"i
10005300-97	50	20'7"	18'9"	16'4"	23'2"i	21'0"i	17'6"i	18'9"	17'0"	14'10"	21'0"i	19'1"i	16'8"i
10005162-118	50	19'2"	17'5"	15'2"	21'6"	19'6"i	16'11"i	17'5"	15'9"	13'9"	19'6"	17'9"	15'6"i
10005200-118	50	20'0"	18'2"	15'10"	22'6"	20'5"i	17'10"i	18'2"	16'6"	14'5"	20'5"	18'6"	16'2"i
10005250-118	50	20'10"	18'11"	16'6"	23'5"	21'3"i	18'7"i	18'11"	17'2"	15'0"	21'3"	19'4"	16'10"i
10005300-118	50	21'11"	19'11"	17'5"	24'7"	22'4"i	19'6"i	19'11"	18'1"	15'9"	22'4"	20'4"	17'9"i
12005162-54	50	14'11"e	12'11"e	9'10"e	13'10"a	11'1"a	7'10"a	14'11"e	12'11"e	9'10"e	13'10"a	11'1"a	7'10"a
12005200-54	50	16'1"e	13'11"e	9'10"e	14'1"a	11'3"a	7'10"a	16'1"e	13'11"e	9'10"e	14'1"a	11'3"a	7'10"a
12005250-54	50	16'8"e	14'5"e	9'10"e	14'2"a	11'4"a	7'10"a	16'8"e	14'5"e	9'10"e	14'2"a	11'4"a	7'10"a
12005300-54	50	18'2"e	14'9"e	9'10"e	14'11"a	11'9"a	7'10"a	18'0"e	14'9"e	9'10"e	14'11"a	11'9"a	7'10"a
12005162-68	50	17'8"e	15'4"e	12'6"e	17'8"i	15'4"i	12'6"a	16'11"	15'4"e	12'6"e	17'8"i	15'4"i	12'6"a
12005200-68	50	19'1"e	16'6"e	13'6"e	19'1"i	16'6"i	12'11"a	17'8"e	16'0"e	13'6"e	19'1"i	16'6"i	12'11"a
12005250-68	50	18'4"e	16'8"e	14'8"e	20'8"i	17'5"i	13'1"a	18'4"e	16'8"e	13'11"e	19'8"i	17'0"i	13'0"a
12005300-68	50	21'4"e	18'6"e	15'1"e	21'5"i	18'6"a	13'9"a	19'5"e	17'7"e	15'1"e	21'5"i	18'6"a	13'9"a
12005162-97	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
12005200-97	50	21'11"	19'11"	17'4"e	24'6"i	21'3"i	17'4"i	19'11"	18'1"	15'10"	22'4"i	20'4"i	17'4"i
12005250-97	50	22'9"	20'8"	17'11"e	25'4"i	21'11"i	17'11"i	20'8"	18'10"	16'5"	23'3"i	21'1"i	17'11"i
12005300-97	50	23'10"	21'8"	18'11"e	26'9"i	23'8"i	19'4"i	21'8"	19'8"	17'2"e	24'4"i	22'1"i	19'4"i

Notes:

- "e" Requires web stiffeners at end supports
- "a" Requires web stiffeners at all supports
- End bearing length = 3.5"
- Studs considered unpunched for web crippling and shear
- "i" Requires web stiffeners at interior supports
- Interior bearing length = 3.5"
- Alternate span loading considered

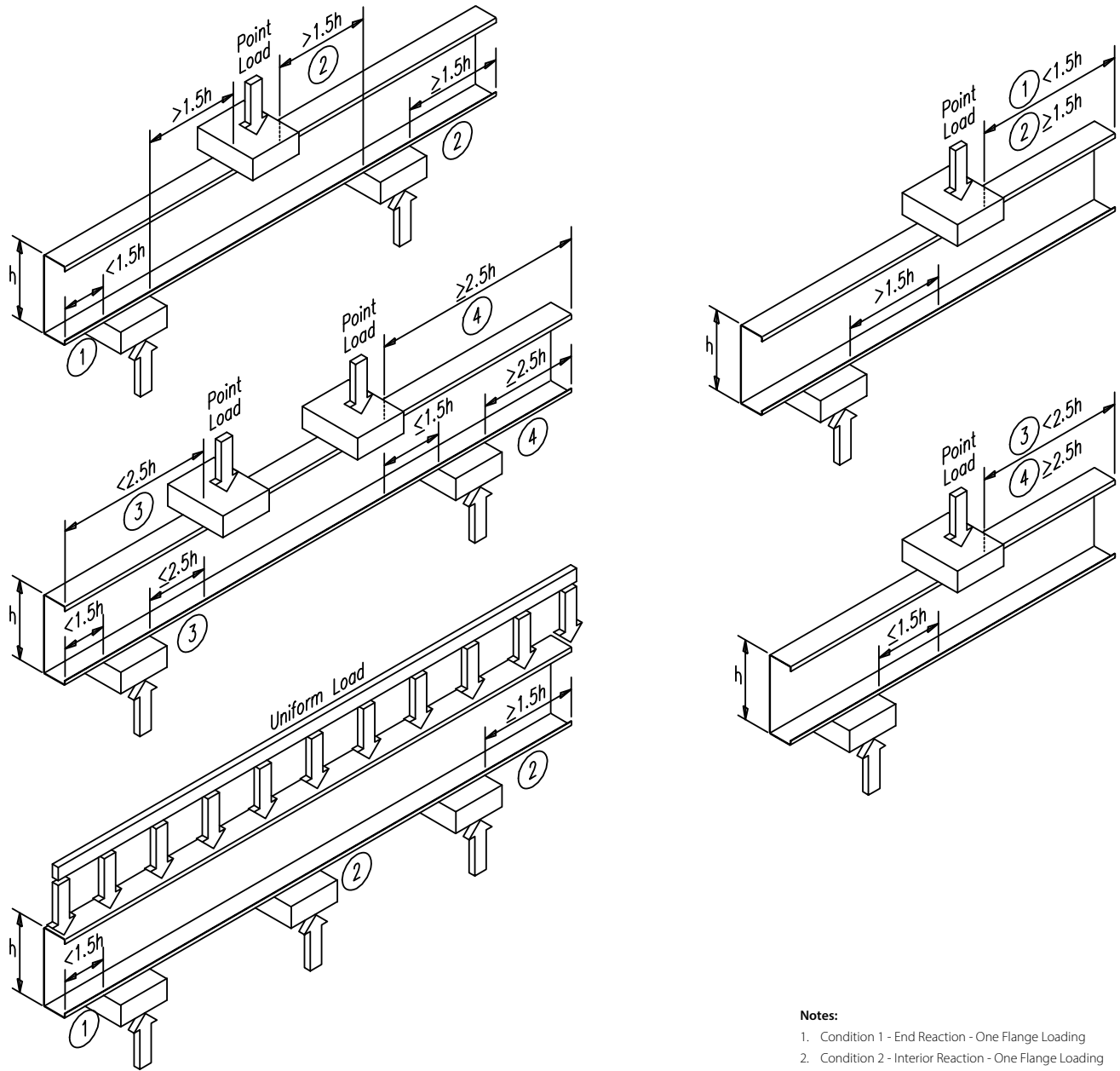


Section	Fy (Ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span Spacing (in)			Two Equal Spans Spacing (in)			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
6005162-33	33	6'2"e	5'4"e	3'10"e	5'6"a	4'5"a	3'1"a	6'2"e	5'4"e	3'10"e	5'6"a	4'5"a	3'1"a
6005200-33	33	6'7"e	5'8"e	3'10"e	5'7"a	4'6"a	3'1"a	6'7"e	5'8"e	3'10"e	5'7"a	4'6"a	3'1"a
6005162-43	33	7'7"e	6'7"e	5'4"e	7'7"a	6'7"a	5'4"a	7'7"e	6'7"e	5'4"e	7'7"a	6'7"a	5'4"a
6005200-43	33	7'10"e	6'9"e	5'6"e	7'10"a	6'9"a	5'5"a	7'10"e	6'9"e	5'6"e	7'10"a	6'9"a	5'5"a
6005250-43	33	8'1"e	7'0"e	5'8"e	8'1"a	7'0"a	5'6"a	8'1"e	7'0"e	5'8"e	8'1"a	7'0"a	5'6"a
6005162-54	50	10'0"	8'10"e	7'2"e	10'2"i	8'10"i	7'2"i	9'1"	8'3"	7'2"e	10'2"i	8'10"i	7'2"i
6005200-54	50	10'6"	9'1"e	7'5"e	10'6"i	9'1"i	7'5"a	9'6"	8'8"e	7'5"e	10'6"i	9'1"i	7'5"a
6005250-54	50	10'9"	9'3"e	7'7"e	10'9"i	9'3"i	7'7"a	9'11"	9'0"e	7'7"e	10'9"i	9'3"i	7'7"a
6005300-54	50	11'6"e	10'1"e	8'2"e	11'7"i	10'1"i	8'2"a	10'5"	9'6"e	8'2"e	11'7"i	10'1"i	8'2"a
6005162-68	50	10'8"	9'8"	8'5"e	12'0"i	10'4"i	8'5"i	9'8"	8'10"	7'8"	10'11"i	9'11"i	8'5"i
6005200-68	50	11'3"	10'2"	8'11"e	12'7"i	10'11"i	8'11"i	10'2"	9'3"	8'1"	11'6"i	10'5"i	8'11"i
6005250-68	50	11'9"	10'8"	8'10"e	12'6"i	10'10"i	8'10"i	10'8"	9'9"	8'6"e	12'0"i	10'10"i	8'10"i
6005300-68	50	12'5"	11'3"	9'7"e	13'7"i	11'9"i	9'7"i	11'3"	10'3"	8'11"e	12'8"i	11'6"i	9'7"i
6005162-97	50	11'10"	10'9"	9'5"	13'4"i	12'1"i	10'7"i	10'9"	9'9"	8'6"	12'11"i	11'0"i	9'7"i
6005200-97	50	12'6"	11'4"	9'11"	14'0"i	12'9"i	11'1"i	11'4"	10'4"	9'0"	12'9"i	11'7"i	10'1"i
6005250-97	50	13'1"	11'11"	10'5"	14'9"i	13'4"i	11'7"i	11'11"	10'10"	9'5"	13'4"i	12'2"i	10'7"i
6005300-97	50	13'10"	12'7"	11'0"	15'6"i	14'1"i	12'0"i	12'7"	11'5"	10'0"	14'1"i	12'10"i	11'2"i
6005162-118	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	10'1"i
6005200-118	50	13'2"	12'0"	10'6"	14'10"i	13'6"i	11'9"i	12'0"	10'11"	9'6"	13'6"i	12'3"i	10'8"i
6005250-118	50	13'11"	12'7"	11'0"	15'7"i	14'2"i	12'4"i	12'7"	11'5"	10'0"	14'2"i	12'10"i	11'3"i
6005300-118	50	14'8"	13'4"	11'8"	16'6"i	15'0"i	13'1"i	13'4"	12'1"	10'7"	15'0"i	13'7"i	11'10"i
8005162-33	33	5'8"e	4'3"e	2'10"e	4'7"a	3'5"a	2'3"a	5'8"e	4'3"e	2'10"e	4'7"a	3'5"a	2'3"a
8005200-33	33	5'8"e	4'3"e	2'10"e	4'7"a	3'5"a	2'3"a	5'8"e	4'3"e	2'10"e	4'7"a	3'5"a	2'3"a
8005162-43	33	8'7"e	7'5"e	6'1"e	8'2"a	6'7"a	4'10"a	8'7"e	7'5"e	6'1"e	8'2"a	6'7"a	4'10"a
8005200-43	33	9'2"e	7'11"e	6'4"e	8'8"a	7'0"a	5'1"a	9'2"e	7'11"e	6'4"e	8'8"a	7'0"a	5'1"a
8005250-43	33	9'5"e	8'2"e	6'4"e	8'9"a	7'0"a	5'1"a	9'5"e	8'2"e	6'4"e	8'9"a	7'0"a	5'1"a
8005162-54	50	11'6"e	9'11"e	8'1"e	11'6"i	9'11"i	7'11"a	11'4"e	9'11"e	8'1"e	11'6"i	9'11"i	7'11"a
8005200-54	50	12'3"e	10'7"e	8'8"e	12'3"i	10'7"i	8'5"a	11'11"e	10'7"e	8'8"e	12'3"i	10'7"i	8'5"a
8005250-54	50	12'6"e	10'10"e	8'10"e	12'6"i	10'10"i	8'5"a	12'6"e	10'10"e	8'10"e	12'6"i	10'10"i	8'5"a
8005300-54	50	13'7"e	11'9"e	9'7"e	13'7"i	11'9"i	8'10"a	13'1"e	11'9"e	9'7"e	13'7"i	11'9"i	8'10"a
8005162-68	50	13'6"	11'8"	9'6"e	13'6"i	11'8"i	9'6"i	12'3"	11'2"	9'6"e	13'6"i	11'8"i	9'6"i
8005200-68	50	14'2"	12'10"e	10'6"e	14'10"i	12'10"i	10'6"i	12'10"	11'8"	10'2"e	14'5"i	12'10"i	10'6"i
8005250-68	50	14'8"	12'9"e	10'5"e	14'8"i	12'9"i	10'5"i	13'5"	12'2"e	10'5"e	14'8"i	12'9"i	10'5"i
8005300-68	50	15'6"	13'9"e	11'3"e	15'11"i	13'9"i	11'3"i	14'1"	12'10"e	11'2"e	15'10"i	13'9"i	11'3"i
8005162-97	50	15'0"	13'7"	11'11"	16'10"i	14'9"i	12'0"i	13'7"	12'4"	10'10"	15'10"i	13'11"i	12'0"i
8005200-97	50	15'9"	14'3"	12'6"	17'8"i	16'0"i	13'5"i	14'3"	13'0"	11'4"	16'0"i	14'7"i	12'9"i
8005250-97	50	16'5"	14'11"	13'0"	18'5"i	16'9"i	13'8"i	14'11"	13'7"	11'10"	16'9"i	15'3"i	13'4"i
8005300-97	50	17'4"	15'9"	13'9"	19'5"i	17'5"i	14'2"i	15'9"	14'3"	12'6"	17'8"i	16'0"i	14'0"i
8005162-118	50	15'10"	14'5"	12'7"	17'10"i	16'2"i	14'2"i	14'5"	13'1"	11'5"	16'2"i	14'8"i	12'10"i
8005200-118	50	16'8"	15'2"	13'3"	18'8"i	17'0"i	14'10"i	15'2"	13'9"	12'0"	17'0"i	15'5"i	13'6"i
8005250-118	50	17'5"	15'10"	13'10"	19'7"i	17'9"i	15'6"i	15'10"	14'5"	12'7"	17'9"i	16'2"i	14'1"i
8005300-118	50	18'4"	16'8"	14'7"	20'7"i	18'9"i	16'4"i	16'8"	15'2"	13'3"	18'9"i	17'0"i	14'10"i
10005162-43	33	9'6"e	7'7"e	5'0"e	7'8"a	6'0"a	4'0"a	9'6"e	7'7"e	5'0"e	7'8"a	6'0"a	4'0"a
10005200-43	33	10'1"e	7'7"e	5'0"e	7'11"a	6'0"a	4'0"a	10'1"e	7'7"e	5'0"e	7'11"a	6'0"a	4'0"a
10005250-43	33	10'1"e	7'7"e	5'0"e	8'0"a	6'0"a	4'0"a	10'1"e	7'7"e	5'0"e	8'0"a	6'0"a	4'0"a
10005162-54	50	12'9"e	11'0"e	9'0"e	12'8"i	10'3"i	7'6"a	12'9"e	11'0"e	9'0"e	12'8"i	10'3"i	7'6"a
10005200-54	50	13'8"e	11'10"e	9'8"e	13'0"i	10'6"i	7'8"a	13'8"e	11'10"e	9'8"e	13'0"i	10'6"i	7'8"a
10005250-54	50	14'1"e	12'2"e	9'11"e	13'4"i	10'9"i	7'10"a	14'1"e	12'2"e	9'11"e	13'4"i	10'9"i	7'10"a
10005300-54	50	15'3"e	13'3"e	10'0"e	14'0"i	11'2"i	8'0"a	15'3"e	13'3"e	10'0"e	14'0"i	11'2"i	8'0"a
10005162-68	50	15'1"	13'0"e	10'8"e	15'1"i	13'0"i	10'8"a	14'8"	13'0"e	10'8"e	15'1"i	13'0"i	10'8"a
10005200-68	50	16'1"e	13'11"e	11'4"e	16'1"i	13'11"i	11'4"a	15'4"	13'11"e	11'4"e	16'1"i	13'11"i	11'4"a
10005250-68	50	16'7"e	14'4"e	11'8"e	16'7"i	14'4"i	11'8"a	16'7"e	14'4"e	11'8"e	16'7"i	14'4"i	11'8"a
10005300-68	50	17'11"e	15'6"e	12'8"e	17'11"i	15'6"i	12'8"a	16'9"e	15'3"e	12'8"e	17'11"i	15'6"i	12'8"a
10005162-97	50	18'1"	16'5"	13'8"	19'4"i	16'8"i	13'8"i	16'5"	14'11"	13'0"	18'5"i	16'8"i	13'8"i
10005200-97	50	18'10"	17'2"	14'6"	20'6"i	17'9"i	14'6"i	17'2"	15'7"	13'7"	19'3"i	17'6"i	14'6"i
10005250-97	50	19'8"	17'10"	15'6"e	22'0"i	19'0"i	15'6"i	17'10"	16'3"	14'2"	20'1"i	18'2"i	15'6"i
10005300-97	50	20'7"	18'9"	16'1"e	22'10"i	19'9"i	16'1"i	18'9"	17'0"	14'10"e	21'0"i	19'1"i	16'1"i
10005162-118	50	19'2"	17'5"	15'2"	21'6"i	19'1"i	15'7"i	17'5"	15'9"	13'9"	19'6"i	17'9"i	15'6"i
10005200-118	50	20'0"	18'2"	15'10"e	22'6"i	20'3"i	16'6"i	18'2"	16'6"	14'5"	20'5"i	18'6"i	16'2"i
10005250-118	50	20'10"	18'11"	16'6"e	23'5"i	21'3"i	17'11"i	18'11"	17'2"	15'0"	21'3"i	19'4"i	16'10"i
10005300-118	50	21'11"	19'11"	17'5"	24'7"i	22'4"i	19'11"i	19'11"	18'1"	15'9"	22'4"i	20'4"i	17'9"i
12005162-54	50	13'8"e	11'10"e	8'4"e	12'2"a	9'8"a	6'8"a	13'8"e	11'10"e	8'4"e	12'2"a	9'8"a	6'8"a
12005200-54	50	14'10"e	12'6"e	8'4"e	12'5"a	9'10"a	6'8"a	14'10"e	12'6"e	8'4"e	12'5"a	9'10"a	6'8"a
12005250-54	50	15'4"e	12'6"e	8'4"e	12'6"a	9'11"a	6'8"a	15'4"e	12'6"e	8'4"e	12'6"a	9'11"a	6'8"a
12005300-54	50	16'8"e	12'6"e	8'4"e	13'1"a	10'0"a	6'8"a	16'8"e	12'6"e	8'4"e	13'1"a	10'0"a	6'8"a
12005162-68	50	16'4"e	14'1"e	11'6"e	16'4"i	14'1"i	11'2"a	16'4"e	14'1"e	11'6"e	16'4"i	14'1"i	11'2"a
12005200-68	50	17'7"e	15'2"e	12'5"e	17'7"i	15'2"i	11'6"a	17'7"e	15'2"e	12'5"e	17'7"i	15'2"i	11'6"a
12005250-68	50	18'1"e	15'8"e	12'10"e	18'1"i	15'6"i	11'6"a	18'1"e	15'8"e	12'10"e	18'1"i	15'6"i	11'6"a
12005300-68	50	19'9"e	17'1"e	13'11"e	19'9"i	16'5"i	12'2"a	19'9"e	17'1"e	13'11"e	19'9"i	16'5"i	12'2"a
12005162-97	50	21'1"	18'4"	14'11"e	21'2"i	18'4"i	14'11"i	19'2"	17'5"	14'11"e	21'2"i	18'4"i	14'11"i
12005200-97	50	21'11"	19'7"	16'0"e	22'7"i	19'7"i	16'0"i	19'11"	18'1"	15'10"e	22'4"i	19'7"i	16'0"i
12005250-97	50	22'9"	20'3"	16'6"e	23'4"i	20'3"i	16'6"i	20'8"	18'10"	16'5"e	23'3"i	20'3"i	16'6"i
12005300-97	50	23'10"	21'8"e	17'10"e	25'2"i	21'10"i	17'10"i	21'8"	19'8"	17'2"e	24'4"i	21'10"i	17'10"i

- Notes:**
- "e" Requires web stiffeners at end supports
 - "a" Requires web stiffeners at all supports
 - End bearing length = 3.5"
 - Studs considered unpunched for web crippling and shear
 - "i" Requires web stiffeners at interior supports
 - Interior bearing length = 3.5"
 - Alternate span loading considered

Web Crippling Table Notes

1. Listed allowable loads apply only to members with stiffened flanges (i.e. S-sections).
2. For back-to-back members, the listed loads are for the entire two-member assembly.
3. Listed allowable loads are based on members "fastened to supports".
4. For back-to-back members, the distance between the web connectors and the flange shall be kept to a minimum.
5. For listed punchout reductions factors, R_c , x is the nearest distance between the web hole and edge of bearing in inches.
6. Listed allowable loads are for unpunched webs. Capacity reductions for end and interior one flange loading (Conditions 1 & 2) near punchouts are listed per AISI S100 Section C3.4.2.
7. "h" refers to the flat dimension of the web. See web-to-depth Thickness Ratio table in this catalog.



- Notes:**
1. Condition 1 - End Reaction - One Flange Loading
 2. Condition 2 - Interior Reaction - One Flange Loading
 3. Condition 3 - End Reaction - Two Flange Loading
 4. Condition 4 - Interior Reaction - Two Flange Loading



Stud Designation	Design Thickness	Fy (Ksi)	Condition 1 (E1F)				Condition 2 (I1F)				Condition 3 (E2F)				Condition 4 (I2F)			
			Bearing Length (in)				Bearing Length (in)				Bearing Length (in)				Bearing Length (in)			
			1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6
162 S -33	0.0346	33	180	282 ¹	297 ¹	350 ¹	336	462 ¹	481 ¹	545 ¹	170	229 ¹	237 ¹	267 ¹	441	557 ¹	574 ¹	634 ¹
250 S -33	0.0346	33	173	271	285	336 ¹	330	453	472	535 ¹	150	201	209	235 ¹	411	519	535	591 ¹
250 S -43	0.0451	33	287	443	466	547 ¹	580	780	810	913 ¹	267	351	364	407 ¹	720	892	918	1006 ¹
250 S -54	0.0566	33	433	657	690	806 ¹	891	1178	1221	1369 ¹	430	556	574	639 ¹	1142	1392	1429	1558 ¹
250 S -54	0.0566	50	656	996	1046	1222 ¹	1350	1785	1850	2075 ¹	652	842	870	968 ¹	1730	2109	2165	2361 ¹
250 S -68	0.0713	33	654	977	1024	1191 ¹	1368	1778	1838	2050 ¹	693	880	907	1004 ¹	1815	2179	2233	2421 ¹
250 S -68	0.0713	50	990	1480	1552	1805 ¹	2073	2693	2785	3106 ¹	1049	1333	1375	1521 ¹	2750	3302	3384	3669 ¹
250 S -97	0.1017	33	1236	1799	1882 ¹	2173 ¹	2657	3362	3467 ¹	3831 ¹	1430	1771	1821 ¹	1997 ¹	3694	4340	4435 ¹	4768 ¹
250 S -97	0.1017	50	1872	2726	2852 ¹	3293 ¹	4025	5095	5253 ¹	5805 ¹	2167	2683	2759 ¹	3026 ¹	5597	6575	6720 ¹	7225 ¹
350 S -33	0.0346	33	166	260	274	323	324	445	463	526	131	175	182	205	384	484	499	551
350 S -43	0.0451	33	278	428	451	528	571	768	798	900	240	315	326	365	680	842	866	949
350 S -54	0.0566	33	420	638	670	783	879	1162	1204	1351	392	507	524	583	1086	1324	1359	1482
350 S -54	0.0566	50	637	967	1016	1186	1331	1761	1825	2046	594	768	794	883	1645	2005	2059	2245
350 S -68	0.0713	33	637	951	998	1160	1351	1756	1816	2025	640	813	839	928	1736	2085	2137	2317
350 S -68	0.0713	50	965	1441	1512	1758	2047	2660	2751	3068	970	1232	1271	1406	2631	3159	3238	3510
350 S -97	0.1017	33	1209	1759	1841	2125 ¹	2629	3327	3431	3791 ¹	1343	1663	1710	1876 ¹	3562	4184	4276	4597 ¹
350 S -97	0.1017	50	1831	2666	2790	3220 ¹	3983	5041	5198	5745 ¹	2035	2520	2592	2842 ¹	5397	6339	6479	6965 ¹
362 S -33	0.0346	33	165	259	273	322	323	444	462	525	129	173	179	202	381	480	495	547
362 S -43	0.0451	33	277	427	449	526	570	767	796	898	236	311	322	360	675	836	860	943
362 S -54	0.0566	33	419	636	668	780	877	1160	1202	1348	388	501	518	577	1079	1316	1351	1473
362 S -54	0.0566	50	634	963	1012	1182	1329	1758	1822	2043	588	760	785	874	1635	1994	2047	2232
362 S -68	0.0713	33	635	948	995	1157	1349	1753	1813	2022	635	806	831	920	1728	2074	2126	2305
362 S -68	0.0713	50	962	1437	1507	1752	2044	2657	2747	3064	961	1221	1259	1393	2618	3143	3221	3492
362 S -97	0.1017	33	1206	1755	1837	2120	2626	3323	3427	3787	1333	1651	1698	1862	3547	4166	4258	4578
362 S -97	0.1017	50	1827	2659	2783	3212	3978	5035	5192	5738	2020	2501	2573	2821	5374	6313	6452	6936
362 S -118	0.1242	50	2625	3764	3933	4521	5799	7235	7448	8189	3053	3729	3829	4178	8044	9340	9532	10201
400 S -33	0.0346	33	163	256	269	317	322	442	460	522	122	164	170	192	372	469	483	534
400 S -43	0.0451	33	274	422	444	520	567	763	792	893	227	299	309	346	662	819	843	924
400 S -54	0.0566	33	415	629	661	772	873	1155	1197	1342	376	485	502	558	1061	1293	1328	1448
400 S -54	0.0566	50	628	954	1002	1170	1323	1750	1813	2034	569	735	760	846	1607	1960	2012	2194
400 S -68	0.0713	33	629	940	986	1147	1344	1746	1806	2014	617	784	809	895	1702	2044	2094	2271
400 S -68	0.0713	50	953	1424	1494	1737	2036	2646	2736	3051	936	1188	1226	1356	2579	3096	3173	3440
400 S -97	0.1017	33	1197	1742	1823	2105	2617	3312	3415	3774	1305	1616	1662	1822	3504	4116	4207	4523
400 S -97	0.1017	50	1814	2640	2762	3189	3965	5018	5174	5718	1978	2448	2518	2761	5309	6236	6374	6852
400 S -118	0.1242	50	2608	3739	3907	4491	5781	7212	7424	8163	2996	3659	3757	4099	7956	9238	9428	10089
550 S -33	0.0346	33	155	243	256	302	315	432	450	511	100	134	139	157	339	428	441	487
550 S -43	0.0451	33	262	405	426	499	556	749	778	877	195	256	265	297	614	760	782	858
550 S -54	0.0566	33	400	607	638	745	859	1136	1177	1320	331	428	443	493	995	1213	1246	1358
550 S -54	0.0566	50	606	920	966	1128	1302	1722	1784	2001	502	649	671	746	1508	1838	1887	2058
550 S -68	0.0713	33	609	910	955	1111	1324	1721	1780	1985	557	707	729	807	1611	1934	1982	2149
550 S -68	0.0713	50	923	1380	1447	1683	2007	2608	2697	3007	844	1071	1105	1223	2441	2931	3003	3256
550 S -97	0.1017	33	1166	1697	1776	2050	2585	3272	3373	3728	1205	1492	1535	1683	3352	3937	4024	4326
550 S -97	0.1017	50	1766	2571	2691	3106	3917	4957	5111	5648	1826	2261	2325	2550	5078	5965	6097	6555
600 S -33	0.0346	33	153	240	253	297	313	430	447	507	93	125	130	146	329	416	429	473
600 S -43	0.0451	33	259	400	420	493	553	745	773	872	185	243	252	282	600	743	764	838
600 S -54	0.0566	33	395	600	631	736	855	1131	1172	1314	318	411	425	473	975	1189	1221	1331
600 S -54	0.0566	50	599	909	956	1116	1295	1713	1775	1991	482	623	644	716	1478	1802	1850	2017
600 S -68	0.0713	33	604	902	946	1100	1318	1713	1772	1976	539	684	706	781	1583	1901	1949	2113
600 S -68	0.0713	50	914	1366	1433	1666	1998	2596	2685	2994	816	1036	1069	1183	2399	2881	2952	3201
600 S -97	0.1017	33	1157	1684	1762	2034	2575	3260	3361	3714	1175	1455	1497	1641	3306	3884	3969	4267
600 S -97	0.1017	50	1752	2551	2669	3081	3902	4939	5093	5628	1781	2205	2268	2487	5010	5885	6014	6466
600 S -118	0.1242	50	2528	3625	3788	4354	5698	7108	7318	8046	2734	3339	3429	3741	7555	8772	8952	9581
800 S -43	0.0451	33	247	381	401	470	542	730	757	854	150	197	204	228	548	678	698	765
800 S -54	0.0566	33	379	576	605	706	839	1110	1150	1290	270	349	361	402	904	1102	1131	1234
800 S -54	0.0566	50	575	872	917	1070	1272	1682	1743	1955	409	529	547	608	1370	1670	1714	1869
800 S -68	0.0713	33	582	870	912	1061	1297	1686	1744	1944	473	600	619	685	1485	1783	1827	1981
800 S -68	0.0713	50	882	1318	1382	1607	1966	2555	2642	2946	716	910	939	1038	2250	2701	2768	3001
800 S -97	0.1017	33	1123	1635	1711	1975	2541	3216	3316	3665	1068	1322	1360	1491	3142	3691	3773	4056
800 S -97	0.1017	50	1702	2477	2592	2992	3850	4873	5025	5553	1618	2003	2060	2259	4761	5593	5716	6145
800 S -118	0.1242	50	2462	3531	3689	4241	5629	7023	7229	7949	2518	3075	3158	3445	7223	8387	8559	9160
1000 S -54	0.0566	33	365	554	582	680	826	1092	1132	1269	228	295	305	339	841	1026	1053	1148
1000 S -54	0.0566	50	553	840	882	1031	1251	1655	1715	1923	346	447	462	514	1275	1554	1595	1740
1000 S -68	0.0713	33	563	842	883	1027	1279	1662	1719	1917	415	527	544	602	1398	1679	1721	1865
1000 S -68	0.0713	50	854	1275	1338	1555	1938	2518	2604	2904	629	799	824	912	2119	2544	2607	2826
1000 S -97	0.1017	33	1094	1592	1666	1923	2511	3178	3277	3622	974	1206	1240	1360	2999	3523	3601	3871
1000 S -97	0.1017	50	1657	2412	2525	2914	3805	4815	4965	5487	1476	1827	1879	2060	4545	5338	5456	5866
1000 S -118	0.1242	50	2405	3449	3604	4143	5569	6948	7152	7864	2330	2845	2921	3187	6934	805		

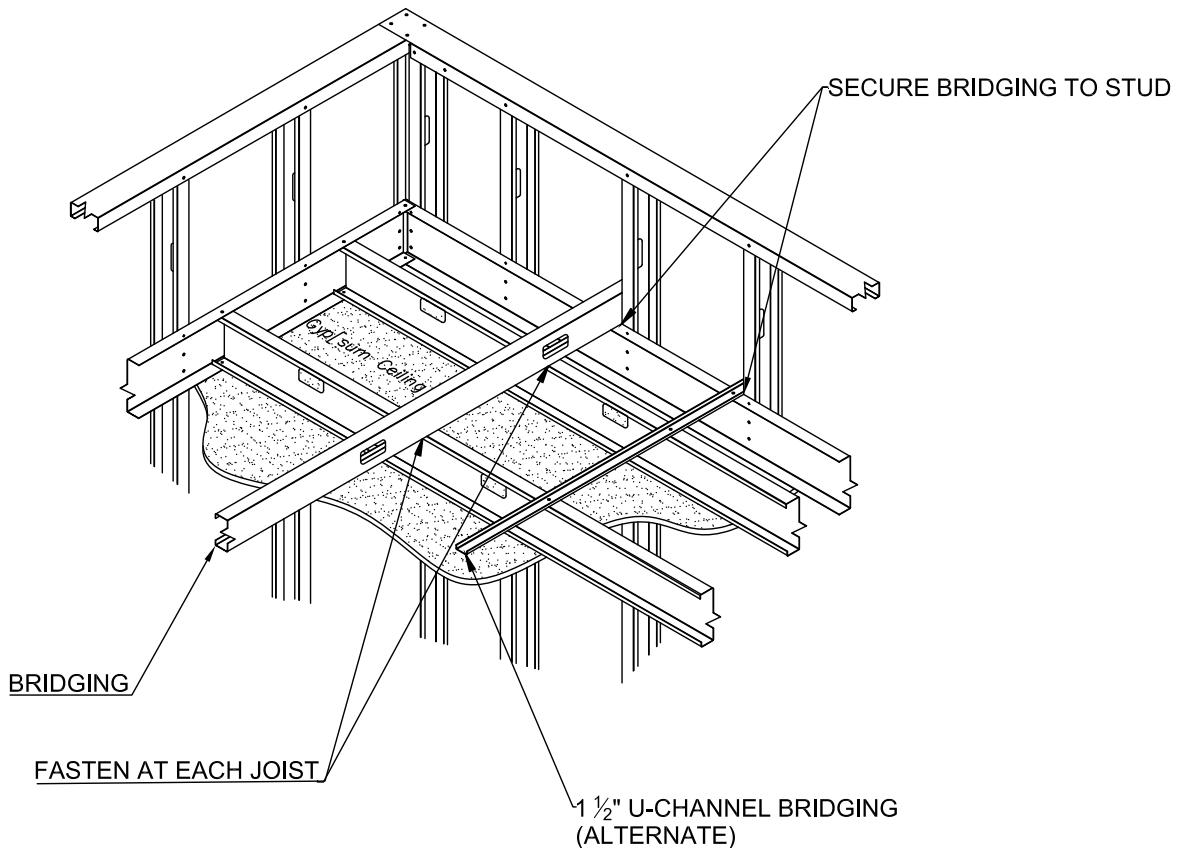
Allowable Ceiling Spans Notes

- For unbraced sections, allowable moment based on AISI S100 section C3.1.2 with unbraced length = listed span. For midspan braced sections, allowable moment based on AISI S100 section C3.1.2 with unbraced length = (listed span)/2.
- For spans listed with "e", web stiffeners are required at end reactions.
- Web crippling calculation based on bearing length = 1 inch.
- Web crippling and shear capacity have not been reduced for punch-outs. If web punch-outs occur near supports, members must be checked for reduced shear and web crippling in accordance with the AISI S100.
- Values are for simple span conditions.
- Stud distortional buckling is based on an assumed $K\phi = 0$.

Section	F _y (Ksi)	4 psf Lateral Support of Compression Flange						6psf Lateral Support of Compression Flange						13 psf* Lateral Support of Compression Flange					
		Unsupported Joist Spacing (in) o.c.			Midspan Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Midspan Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Midspan Joist Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
250S137-33	33	11'9"	10'10"	9'9"	14'11"	13'6"	11'10"	10'6"	9'9"	8'8"	13'0"	11'10"	10'4"	8'6"	7'11"	7'1"	0'0"	9'1"	8'0"
250S137-43	33	13'2"	12'1"	10'9"	16'2"	14'8"	12'10"	11'8"	10'9"	9'7"	14'2"	12'10"	11'2"	9'4"	8'7"	7'8"	10'11"	9'11"	8'8"
250S162-33	33	13'5"	12'5"	11'1"	15'8"	14'2"	12'5"	12'0"	11'1"	10'0"	13'8"	12'5"	10'10"	9'9"	9'0"	8'0"	10'7"	9'7"	8'4"
250S162-43	33	14'11"	13'9"	12'3"	17'0"	15'5"	13'6"	13'3"	12'3"	10'11"	14'10"	13'6"	11'9"	10'8"	9'10"	8'9"	11'6"	10'5"	9'1"
350S137-33	33	12'9"	11'9"	10'6"	18'1"	16'9"	15'0"	11'5"	10'6"	9'5"	16'3"	15'0"	13'3"	9'3"	8'6"	7'8"	12'11"	11'9"	10'0"
350S137-43	33	14'1"	13'0"	11'7"	19'10"	18'4"	16'4"	12'7"	11'7"	10'4"	17'8"	16'4"	14'6"	10'1"	9'4"	8'4"	14'2"	12'10"	11'2"
350S162-33	33	14'6"	13'5"	12'0"	20'3"	18'5"	16'1"	13'0"	12'0"	10'9"	17'8"	16'1"	14'0"	10'6"	9'9"	8'9"	13'8"	12'5"	10'10"
350S162-43	33	16'0"	14'9"	13'2"	22'0"	20'0"	17'6"	14'3"	13'2"	11'9"	19'3"	17'6"	15'3"	11'6"	10'8"	9'6"	14'10"	13'6"	11'9"
362S137-33	33	12'10"	11'11"	10'7"	18'3"	16'11"	15'2"	11'6"	10'8"	9'6"	16'5"	15'2"	13'5"	9'4"	8'7"	7'9"	13'1"	11'10"	10'2"
362S137-43	33	14'3"	13'1"	11'8"	20'0"	18'6"	16'6"	12'8"	11'8"	10'5"	17'10"	16'6"	14'9"	10'2"	9'5"	8'5"	14'5"	13'1"	11'4"
362S162-33	33	14'8"	13'6"	12'1"	20'9"	18'11"	16'6"	13'1"	12'1"	10'10"	18'2"	16'6"	14'5"	10'8"	9'10"	8'10"	14'0"	12'9"	11'1"
362S162-43	33	16'1"	14'10"	13'3"	22'7"	20'7"	17'11"	14'4"	13'3"	11'10"	19'9"	17'11"	15'8"	11'7"	10'9"	9'7"	15'3"	13'10"	12'1"
400S137-33	33	13'2"	12'2"	10'11"	18'9"	17'4"	15'6"	11'9"	10'11"	9'9"	16'9"	15'6"	13'10"	9'7"	8'10"	7'11"	13'6"	12'4"	10'7"
400S137-43	33	14'7"	13'5"	12'0"	20'6"	18'11"	16'11"	13'0"	12'0"	10'8"	18'4"	16'11"	15'2"	10'5"	9'8"	8'8"	14'10"	13'7"	11'10"
400S162-33	33	15'0"	13'10"	12'5"	21'4"	19'10"	17'9"	13'5"	12'5"	11'2"	19'2"	17'9"	15'6"	10'11"	10'1"	9'1"	15'2"	13'9"	11'8"
400S162-43	33	16'6"	15'3"	13'7"	23'4"	21'7"	19'4"	14'9"	13'7"	12'2"	20'10"	19'4"	16'11"	11'11"	11'0"	9'10"	16'6"	14'11"	13'1"
550S137-33	33	14'6"	13'5"	12'0"	20'10"	19'4"	17'5"	13'0"	12'0"	10'10"	18'9"	17'5"	15'8"	10'7"	9'10"	8'10"	15'4"	14'3"	12'8'e
550S137-43	33	15'10"	14'7"	13'1"	22'6"	20'10"	18'9"	14'2"	13'1"	11'9"	20'2"	18'9"	16'10"	11'6"	10'7"	9'6"	16'6"	15'3"	13'8"
550S162-33	33	16'6"	15'3"	13'8"	23'9"	22'0"	19'10"	14'9"	13'8"	12'4"	21'4"	19'10"	17'11"	12'1"	11'3"	10'1"	17'6"	16'2"	14'2'e
550S162-43	33	17'11"	16'7"	14'10"	25'7"	23'9"	21'4"	16'1"	14'10"	13'4"	23'0"	21'4"	19'2"	13'0"	12'1"	10'10"	18'10"	17'5"	15'5"
600S137-33	33	14'10"	13'9"	12'4"	21'4"	19'10"	17'10"	13'4"	12'4"	11'1"	19'3"	17'10"	16'0"	10'11"	10'1"	9'1"	15'8"	14'5"	12'10'e
600S137-43	33	16'2"	14'11"	13'5"	23'1"	21'4"	19'2"	14'6"	13'5"	12'0"	20'9"	19'2"	17'3"	11'9"	10'10"	9'9"	16'11"	15'8"	14'1"
600S162-33	33	16'10"	15'8"	14'1"	24'4"	22'7"	20'4"	15'2"	14'1"	12'8"	21'11"	20'4"	18'4"	12'5"	11'6"	10'4"	18'0"	16'8"	14'9'e
600S162-43	33	18'4"	17'0"	15'3"	26'3"	24'4"	21'10"	16'5"	15'3"	13'8"	23'7"	21'10"	19'8"	13'4"	12'5"	11'2"	19'3"	17'11"	16'0"

Notes:

* Loads that exceed 10 psf limit require an approved CP60 coating.





Allowable Ceiling Spans Notes

- For unbraced sections, allowable moment based on AISI S100 section C3.1.2 with unbraced length = listed span. For midspan braced sections, allowable moment based on AISI S100 C3.1.2 with unbraced length = (listed span)/2.
- For spans listed with "e", web stiffeners are required at end reactions. and re-number list of notes
- Web crippling calculation based on bearing length = 1 inch.
- Web crippling and shear capacity have not been reduced for punch-outs. If web punch-outs occur near supports, members must be checked for reduced shear and web crippling in accordance with the AISI S100.
- Values are for simple span conditions.
- Stud distortional buckling is based on an assumed $K\phi = 0$.

Section	Fy (Ksi)	4 psf Lateral Support of Compression Flange						6 psf Lateral Support of Compression Flange						13 psf* Lateral Support of Compression Flange					
		Unsupported Joist Spacing (in) o.c.			Midspan Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Midspan Joist Spacing (in) o.c.			Unsupported Joist Spacing (in) o.c.			Midspan Joist Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
250S137-33	33	11' 9"	10' 10"	9' 9"	13' 0"	11' 10"	10' 4"	10' 6"	9' 9"	8' 8"	11' 4"	10' 4"	9' 0"	8' 6"	7' 11"	6' 11"	8' 9"	8' 0"	6' 11"
250S137-43	33	13' 2"	12' 1"	10' 9"	14' 2"	12' 10"	11' 2"	11' 8"	10' 9"	9' 7"	12' 4"	11' 2"	9' 9"	9' 4"	8' 7"	7' 7"	9' 6"	8' 8"	7' 7"
250S162-33	33	13' 5"	12' 5"	10' 10"	13' 8"	12' 5"	10' 10"	11' 11"	10' 10"	9' 5"	11' 11"	10' 10"	9' 5"	9' 2"	8' 4"	7' 4"	9' 2"	8' 4"	7' 4"
250S162-43	33	14' 10"	13' 6"	11' 9"	14' 10"	13' 6"	11' 9"	13' 0"	11' 9"	10' 3"	13' 0"	11' 9"	10' 3"	10' 0"	9' 1"	7' 11"	10' 0"	9' 1"	7' 11"
350S137-33	33	12' 9"	11' 9"	10' 6"	16' 10"	15' 4"	13' 4"	11' 5"	10' 6"	9' 5"	14' 9"	13' 4"	11' 8"	9' 3"	8' 6"	7' 8"	11' 4"	10' 4"	9' 0"
350S137-43	33	14' 1"	13' 0"	11' 7"	18' 4"	16' 8"	14' 6"	12' 7"	11' 7"	10' 4"	16' 0"	14' 6"	12' 8"	10' 1"	9' 4"	8' 4"	12' 4"	11' 3"	9' 10"
350S162-33	33	14' 6"	13' 5"	12' 0"	17' 8"	16' 1"	14' 0"	13' 0"	12' 0"	10' 9"	15' 5"	14' 0"	12' 3"	10' 6"	9' 9"	8' 9"	11' 11"	10' 10"	9' 5"
350S162-43	33	16' 0"	14' 9"	13' 2"	19' 3"	17' 6"	15' 3"	14' 3"	13' 2"	11' 9"	16' 9"	15' 3"	13' 4"	11' 6"	10' 8"	9' 6"	13' 0"	11' 9"	10' 3"
362S137-33	33	12' 10"	11' 11"	10' 7"	17' 4"	15' 9"	13' 9"	11' 6"	10' 8"	9' 6"	15' 2"	13' 9"	12' 0"	9' 4"	8' 7"	7' 9"	11' 8"	10' 7"	9' 3"
362S137-43	33	14' 3"	13' 1"	11' 8"	18' 10"	17' 1"	14' 11"	12' 8"	11' 8"	10' 5"	16' 5"	14' 11"	13' 1"	10' 2"	9' 5"	8' 5"	12' 8"	11' 6"	10' 1"
362S162-33	33	14' 8"	13' 6"	12' 1"	18' 2"	16' 6"	14' 5"	13' 1"	12' 1"	10' 10"	15' 10"	14' 5"	12' 7"	10' 8"	9' 10"	8' 10"	12' 3"	11' 1"	9' 8"
362S162-43	33	16' 1"	14' 10"	13' 3"	19' 9"	17' 11"	15' 8"	14' 4"	13' 3"	11' 10"	17' 3"	15' 8"	13' 8"	11' 7"	10' 9"	9' 7"	13' 4"	12' 1"	10' 7"
400S137-33	33	13' 2"	12' 2"	10' 11"	18' 8"	17' 0"	14' 10"	11' 9"	10' 11"	9' 9"	16' 4"	14' 10"	12' 11"	9' 7"	8' 10"	7' 11"	12' 7"	11' 5"	10' 0"
400S137-43	33	14' 7"	13' 5"	12' 0"	20' 4"	18' 6"	16' 2"	13' 0"	12' 0"	10' 8"	17' 9"	16' 2"	14' 1"	10' 5"	9' 8"	8' 8"	13' 9"	12' 6"	10' 11"
400S162-33	33	15' 0"	13' 10"	12' 5"	19' 7"	17' 10"	15' 6"	13' 5"	12' 5"	11' 2"	17' 1"	15' 6"	13' 7"	10' 11"	10' 1"	9' 1"	13' 3"	12' 0"	10' 6"
400S162-43	33	16' 6"	15' 3"	13' 7"	21' 4"	19' 4"	16' 11"	14' 9"	13' 7"	12' 2"	18' 7"	16' 11"	14' 9"	11' 11"	11' 0"	9' 10"	14' 5"	13' 1"	11' 5"
550S137-33	33	14' 6"	13' 5"	12' 0"	20' 10"	19' 4"	17' 5"	13' 0"	12' 0"	10' 10"	18' 9"	17' 5"	15' 8"	10' 7"	9' 10"	8' 10"	15' 4"	14' 3"	12' 8'e
550S137-43	33	15' 10"	14' 7"	13' 1"	22' 6"	20' 10"	18' 9"	14' 2"	13' 1"	11' 9"	20' 2"	18' 9"	16' 10"	11' 6"	10' 7"	9' 6"	16' 6"	15' 3"	13' 8"
550S162-33	33	16' 6"	15' 3"	13' 8"	23' 9"	22' 0"	19' 10"	14' 9"	13' 8"	12' 4"	21' 4"	19' 10"	17' 5"	12' 1"	11' 3"	10' 1"	16' 11"	15' 5"	13' 5'e
550S162-43	33	17' 11"	16' 7"	14' 10"	25' 7"	23' 9"	21' 4"	16' 1"	14' 10"	13' 4"	23' 0"	21' 4"	18' 11"	13' 0"	12' 1"	10' 10"	18' 5"	16' 9"	14' 8"
600S137-33	33	14' 10"	13' 9"	12' 4"	21' 4"	19' 10"	17' 10"	13' 4"	12' 4"	11' 1"	19' 3"	17' 10"	16' 0"	10' 11"	10' 1"	9' 1"	15' 8"	14' 5"	12' 10"
600S137-43	33	16' 2"	14' 11"	13' 5"	23' 1"	21' 4"	19' 2"	14' 6"	13' 5"	12' 0"	20' 9"	19' 2"	17' 3"	11' 9"	10' 10"	9' 9"	16' 11"	15' 8"	14' 1"
600S162-33	33	16' 10"	15' 8"	14' 1"	24' 4"	22' 7"	20' 4"	15' 2"	14' 1"	12' 8"	21' 11"	20' 4"	18' 4"	12' 5"	11' 6"	10' 4"	18' 0"	16' 6"	14' 5" e
600S162-43	33	18' 4"	17' 0"	15' 3"	26' 3"	24' 4"	21' 10"	16' 5"	15' 3"	13' 8"	23' 7"	21' 10"	19' 8"	13' 4"	12' 5"	11' 2"	19' 3"	17' 11"	15' 8"

Notes:
* Loads that exceed 10 psf limit require an approved CP60 coating.

Header Load Notes

- Spans are based on continuous support of compression flange over the full length of header.
- For two equal spans, the listed span is the distance from either end to the center support, with the header continuous over the center support.
- Header must be braced against rotation at all supports.
- Web stiffeners required at mid-span supports.
- Shear capacity at mid-span support has been reduced for the presence of punchouts adjacent to the supports. Mid-span combined bending and shear check based on stiffened web.
- Total load deflection limited to L/360. Live load deflection limit as noted.
- Stud distortional buckling based on an assumed $K\phi = 0$.
- Headers consist of two boxed or back-to-back members.

Member	Yield Strength (Ksi)	Header Allowable Uniform Loads (PLF)								
		Span								
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)	14 (ft)	16 (ft)
3505137-33	33	653.7e	367.7e	235.3e	163.4e	75.4	38.6	22.3	14.1	9.4
3505137-43	33	899.0e	505.7e	323.7e	224.8e	96.9	49.6	28.7	18.1	12.1
3505137-54	50	1622.6e	912.7e	486.8	281.7	118.8	60.8	35.2	22.2	14.9
3505137-68	50	2092.3e	1159.5e	593.7	343.6	144.9	74.2	42.9	27	18.1
3505137-97	50	3392.2e	1542.9	790	457.1	192.9	98.7	57.1	36	24.1
3505162-33	33	753.2e	423.7e	271.2e	188.3e	86.8e	44.4	25.7	16.2	10.8
3505162-43	33	1044.0e	587.3e	375.9e	261.0e	111.7	57.2	33.1	20.8	14
3505162-54	50	1887.4e	1061.7e	562.5e	325.5	137.3	70.3	40.7	25.6	17.2
3505162-68	50	2435.7e	1344.6e	688.4	398.4	168.1	86.1	49.8	31.4	21
3505162-97	50	3879.1e	1803.2	923.3	534.3	225.4	115.4	66.8	42.1	28.2
3625137-33	33	679.8e	382.4e	244.7e	170.0e	81.8	41.9	24.2	15.3	10.2
3625137-43	33	937.0e	527.0e	337.3e	234.2e	105.2	53.9	31.2	19.6	13.1
3625137-54	50	1692.0e	951.7e	528.5e	305.9	129	66.1	38.2	24.1	16.1
3625137-68	50	2187.7e	1230.6e	645	373.3	157.5	80.6	46.7	29.4	19.7
3625137-97	50	3570.3e	1678.3	859.3	497.3	209.8	107.4	62.2	39.1	26.2
3625162-33	33	783.8e	440.9e	282.2e	195.9e	94.1e	48.2	27.9	17.6	11.8
3625162-43	33	1088.0e	612.0e	391.7e	272.0e	121.2	62	35.9	22.6	15.1
3625162-54	50	1967.4e	1106.7e	610.3e	353.2	149	76.3	44.1	27.8	18.6
3625162-68	50	2545.5e	1431.9e	747.3	432.5	182.4	93.4	54.1	34	22.8
3625162-97	50	4077.2e	1959.6e	1003.3	580.6	244.9	125.4	72.6	45.7	30.6
3625200-33	33	861.1e	484.3e	310.0e	215.3e	110.5e	56.6	32.7	20.6	13.8
3625200-43	33	1249.2e	702.7e	449.7e	312.3e	142.7e	73.1	42.3	26.6	17.8
3625200-54	50	2171.4e	1221.4e	720.2e	416.8	175.8	90	52.1	32.8	22
3625200-68	50	2955.2e	1662.3e	884.8e	512.1	216	110.6	64	40.3	27
3625200-97	50	4744.9e	2337.1e	1196.6	692.5	292.1	149.6	86.6	54.5	36.5
3625250-43	33	1315.1e	739.7e	473.4e	328.8e	167.4e	85.7	49.6	31.2	20.9
3625250-54	50	2280.8e	1282.9e	821.1e	487.5e	205.7	105.3	60.9	38.4	25.7
3625250-68	50	3056.8e	1719.5e	1042.2e	603.1	254.5	130.3	75.4	47.5	31.8
3625250-97	50	5210.3e	2768.2e	1417.3	820.2	346	177.2	102.5	64.6	43.3
3625300-54	50	2345.3e	1319.3e	844.3e	531.0e	224	114.7	66.4	41.8	28
3625300-68	50	3176.9e	1787.0e	1143.7e	681.4e	287.5	147.2	85.2	53.6	35.9
3625300-97	50	5099.2e	2868.3e	1622.3e	938.8	396.1	202.8	117.4	73.9	49.5
4005137-33	33	758.0e	426.4e	272.9e	189.5e	102.9e	52.7	30.5	19.2	12.9
4005137-43	33	1050.5e	590.9e	378.2e	262.6e	132.5	67.8	39.3	24.7	16.6
4005137-54	50	1899.7e	1068.6e	666.5e	385.7	162.7	83.3	48.2	30.4	20.3
4005137-68	50	2473.9e	1391.6e	814.6e	471.4	198.9	101.8	58.9	37.1	24.9
4005137-97	50	4120.6e	2126.7e	1088.9	630.1	265.8	136.1	78.8	49.6	33.2
4005162-33	33	875.0e	492.2e	315.0e	218.8e	118.2e	60.5	35	22	14.8
4005162-43	33	1219.6e	686.0e	439.0e	304.9e	152.3e	78	45.1	28.4	19
4005162-54	50	2206.8e	1241.3e	767.6e	444.2e	187.4	95.9	55.5	35	23.4
4005162-68	50	2875.0e	1617.2e	941.2e	544.7	229.8	117.7	68.1	42.9	28.7
4005162-97	50	4687.4e	2475.4e	1267.4	733.5	309.4	158.4	91.7	57.7	38.7
4005200-33	33	961.6e	540.9e	346.2e	240.4e	135.2e	71.0e	41.1	25.9	17.3
4005200-43	33	1400.2e	787.6e	504.1e	350.0e	178.8e	91.6	53	33.4	22.4
4005200-54	50	2433.4e	1368.8e	876.0e	522.8e	220.6	112.9	65.4	41.2	27.6
4005200-68	50	3329.8e	1873.0e	1111.3e	643.1e	271.3	138.9	80.4	50.6	33.9
4005200-97	50	5433.6e	2943.0e	1506.8e	872	367.9	188.3	109	68.6	46
4005250-43	33	1471.2e	827.5e	529.6e	367.8e	206.9e	107	61.9	39	26.1
4005250-54	50	2553.5e	1436.3e	919.3e	609.6e	257.2	131.7	76.2	48	32.1
4005250-68	50	3436.2e	1932.9e	1237.0e	754.4e	318.3	163	94.3	59.4	39.8
4005250-97	50	5934.4e	3338.1e	1777.0e	1028.3	433.8	222.1	128.5	80.9	54.2
4005300-54	50	2624.9e	1476.5e	945.0e	656.2e	279.5	143.1	82.8	52.2	34.9
4005300-68	50	3569.5e	2007.9e	1285.0e	849.2e	358.3	183.4	106.2	66.8	44.8
4005300-97	50	5795.1e	3259.8e	2025.8e	1172.3	494.6	253.2	146.5	92.3	61.8

Notes:

- Spans are based on continuous support of compression flange over the full length of header.
- For two equal spans, the listed span is the distance from either end to the center support, with the header continuous over the center support.
- Header must be braced against rotation at all supports.
- Web stiffeners required at mid span supports.
- Values are for un-punched members.
- Total load deflection is limited to L/360.
- Allowable moment, shear and web crippling are based on twice the capacity of a single member. The moment of inertia is based on twice the value of the single member.
- Web crippling check is based on 1" bearing length at end supports.
- Allowable loads are for simply supported headers with uniform bending loads only.
- Headers are made from two "boxed" or "back-to-back" members.
- "e" web stiffeners are required at ends.

Member	Yield Strength (Ksi)	Header Allowable Uniform Loads (PLF)								
		Span								
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)	14 (ft)	16 (ft)
5505137-33	33	931.4e	698.5e	477.5e	331.6e	186.5e	112.1e	64.9e	40.9	27.4
5505137-43	33	1938.2e	1090.3e	697.8e	484.6e	272.6e	144.7e	83.7	52.7	35.3
5505137-54	50	3560.7e	2002.9e	1281.9e	825.1e	348.1e	178.2	103.1	64.9	43.5
5505137-68	50	4654.7e	2618.3e	1675.7e	1013.0e	427.3	218.8	126.6	79.7	53.4
5505137-97	50	6625.5e	3726.9e	2363.2e	1367.6e	576.9	295.4	170.9	107.7	72.1
5505162-33	33	931.4e	698.5e	539.3e	374.5e	210.7e	127.5e	73.8e	46.5e	31.1
5505162-43	33	2066.7e	1232.9e	789.1e	548.0e	308.2e	164.6e	95.3e	60	40.2
5505162-54	50	3979.4e	2238.4e	1432.6e	940.5e	396.8	203.2	117.6	74	49.6
5505162-68	50	5177.0e	2912.1e	1863.7e	1157.8e	488.5e	250.1	144.7	91.1	61.1
5505162-97	50	7426.1e	4177.2e	2673.4e	1572.5e	663.4	339.7	196.6	123.8	82.9
6005137-33	33	850.8e	638.1e	479.1e	332.7e	187.1e	119.8e	78.7e	49.6e	33.2
6005137-43	33	1887.0e	1061.4e	679.3e	471.7e	265.4e	169.8e	103.3e	65	43.6
6005137-54	50	3445.9e	1938.3e	1240.5e	861.5e	429.8e	220.1	127.3	80.2	53.7
6005137-68	50	4569.2e	2570.2e	1644.9e	1142.3e	528.3e	270.5	156.5	98.6	66
6005137-97	50	7526.5e	4233.7e	2709.5e	1694.8e	715	366.1	211.8	133.4	89.4
6005162-33	33	850.8e	638.1e	510.5e	422.5e	237.7e	152.1e	90.7e	57.1e	38.3e
6005162-43	33	1887.6e	1390.0e	889.6e	617.8e	347.5e	202.4e	117.1e	73.8	49.4
6005162-54	50	3763.8e	2527.1e	1617.4e	1123.2e	488.3e	250.0e	144.7	91.1	61
6005162-68	50	5846.8e	3288.8e	2104.9e	1426.3e	601.7e	308.1	178.3	112.3	75.2
6005162-97	50	8403.7e	4727.1e	3025.3e	1941.3e	819	419.3	242.7	152.8	102.4
6005200-33	33	850.8e	638.1e	510.5e	425.4e	255.8e	163.7e	105.0e	66.1e	44.3e
6005200-43	33	1887.6e	1415.7e	919.6e	638.6e	359.2e	229.9e	135.7e	85.5e	57.2
6005200-54	50	3763.8e	2532.9e	1621.1e	1125.8e	566.7e	290.1e	167.9	105.7	70.8
6005200-68	50	6475.4e	3642.4e	2331.1e	1618.8e	700.0e	358.4	207.4	130.6	87.5
6005200-97	50	9560.6e	5377.9e	3441.8e	2270.9e	958.0e	490.5	283.9	178.8	119.8
6005250-43	33	1887.6e	1415.7e	967.4e	671.8e	377.9e	341.9e	155.9e	98.2e	65.8e
6005250-54	50	3763.8e	2666.7e	1706.7e	1185.2e	649.9e	332.8e	192.6	121.3	81.2
6005250-68	50	6146.9e	3457.6e	2212.9e	1536.7e	807.0e	413.2e	239.1	150.6	100.9
6005250-97	50	10278.1e	5781.4e	3700.1e	2569.5e	1109.0e	567.8	328.6	206.9	138.6
6005300-54	50	3763.8e	2760.5e	1766.7e	1226.9e	690.1e	357.2e	206.7e	130.2	87.2
6005300-68	50	6414.2e	3608.0e	2309.1e	1603.5	894.2e	457.8e	265	166.9	111.8
6005300-97	50	9967.5e	5606.7e	3588.3e	2491.9e	1246.8e	638.4	369.4	232.6	155.8
8005137-33 ¹	33	632.0e	474.0e	379.2e	316.0e	237.0e	163.9e	113.8e	83.6e	64.0e
8005137-43	33	1401.5e	1051.2e	840.9e	655.6e	368.8e	236.0e	163.9e	120.4e	86.1e
8005137-54	50	2788.4e	2091.3e	1673.0e	1200.9e	675.5e	432.3e	253.8e	159.8	107.1
8005137-68	50	5627.6e	3663.6e	2344.7e	1628.3e	915.9e	550.9e	318.8e	200.8	134.5
8005137-97	50	9533.7e	5362.7e	3432.1e	2383.4e	1340.7e	751.5e	434.9	273.9	183.5
8005162-33 ¹	33	632.0e	474.0e	379.2e	316.0e	237.0e	187.0e	129.9e	95.4e	72.7e
8005162-43	33	1401.5e	1051.2e	840.9e	700.8e	419.6e	268.5e	186.5e	137.0e	96.6e
8005162-54	50	2788.4e	2091.3e	1673.0e	1362.6e	766.5e	490.5e	285.1e	179.5e	120.3
8005162-68	50	5627.6e	4150.2e	2656.1e	1844.5e	1037.6e	619.7e	358.6e	225.8	151.3
8005162-97	50	10771.0e	6058.7e	3877.5e	2692.7e	1514.7e	849.0e	491.3	309.4	207.3
8005200-33 ¹	33	632.0e	474.0e	379.2e	316.0e	237.0e	189.6e	149.3e	109.7e	84.0e
8005200-43	33	1401.5e	1051.2e	840.9e	700.8e	525.6e	340.6e	236.5e	168.9e	113.1e
8005200-54	50	2788.4e	2091.3e	1673.0e	1394.2e	934.7e	574.5e	332.5e	209.4e	140.3
8005200-68	50	5627.6e	4220.7e	3376.6e	2415.2e	1358.5e	711.5e	411.8e	259.3e	173.7
8005200-97	50	14314.9e	8052.1e	5153.4e	3578.7e	1912.6e	979.3e	566.7	356.9	239.1
8005250-43	33	1401.5e	1051.2e	840.9e	700.8e	525.6e	346.0e	240.3e	176.6e	128.4e
8005250-54	50	2788.4e	2091.3e	1673.0e	1394.2e	951.2e	608.8e	377.6e	237.8e	159.3e
8005250-68	50	5627.6e	4220.7e	3288.0e	2283.3e	1284.4e	809.5e	468.4e	295	197.6
8005250-97	50	14513.7e	8558.1e	5477.2e	3803.6e	2139.5e	1117.9e	646.9e	407.4	272.9
8005300-54	50	2788.4e	2091.3e	1673.0e	1394.2e	957.5e	612.8e	405.5e	255.4e	171.1e
8005300-68	50	5627.6e	4220.7e	3376.6e	2378.2e	1337.8e	856.2e	515.5e	324.6e	217.5
8005300-97	50	14513.7e	8243.2e	5275.7e	3663.6e	2060.8e	1249.1e	722.9e	455.2	305

- Notes:**
- Spans are based on continuous support of compression flange over the full length of header.
 - For two equal spans, the listed span is the distance from either end to the center support, with the header continuous over the center support.
 - Header must be braced against rotation at all supports.
 - Web stiffeners required at mid span supports.
 - Values are for un-punched members.
 - Total load deflection is limited to L/360.
 - Allowable moment, shear and web crippling are based on twice the capacity of a single member. The moment of inertia is based on twice the value of the single member.
 - Web crippling check is based on 1" bearing length at end supports.
 - Allowable loads are for simply supported headers with uniform bending loads only.
 - Headers are made from two "boxed" or "back-to-back" members.
 - "e" web stiffeners are required at ends.

Member	Yield Strength (Ksi)	Header Allowable Uniform Loads (PLF)								
		Span								
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)	14 (ft)	16 (ft)
1000S162-43 ¹	33	1114.6e	835.9e	668.7e	557.3e	418.0e	334.4e	238.3e	175.1e	134.0e
1000S162-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	627.5e	435.8e	302.8e	202.8e
1000S162-68	50	4460.5e	3345.4e	2676.3e	2230.3e	1343.9e	860.1e	597.3e	385.1e	258.0e
1000S162-97	50	13151.6e	8157.3e	5220.7e	3625.5e	2039.3e	1305.2e	858.2e	540.5e	362.1
1000S200-43 ¹	33	1114.6e	835.9e	668.7e	557.3e	418.0e	334.4e	269.0e	197.6e	151.3e
1000S200-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	664.3e	472.7e	345.1e	231.2e
1000S200-68	50	4460.5e	3345.4e	2676.3e	2230.3e	1509.7e	966.2e	671.0e	438.2e	293.6e
1000S200-97	50	13151.6e	9333.3e	5973.3e	4148.1e	2333.3e	1493.3e	978.1e	615.9e	412.6
1000S250-43 ¹	33	1114.6e	835.9e	668.7e	557.3e	418.0e	334.4e	278.6e	217.3e	166.4e
1000S250-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	664.3e	520.9e	382.7e	270.5e
1000S250-68	50	4460.5e	3345.4e	2676.3e	2230.3e	1672.7e	1105.1e	767.5e	501.7e	336.1e
1000S250-97	50	13151.6e	9863.7e	7500.1e	5208.4e	2929.7e	1875.0e	1104.1e	695.3e	465.8e
1000S300-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	664.3e	527.4e	387.5e	293.8e
1000S300-68	50	4460.5e	3345.4e	2676.3e	2230.3e	1672.7e	1118.5e	776.8e	549.9e	368.4e
1000S300-97	50	13151.6e	9863.7e	7183.5e	4988.6e	2806.1e	1795.9e	1230.1e	774.6e	518.9e
1200S162-54 ¹	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e	459.1e	389.9e	298.5e
1200S162-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1385.4e	1055.9e	733.3e	538.7e	398.7e
1200S162-97	50	10862.7e	8147.0e	6517.6e	4536.6e	2551.8e	1633.2e	1134.1e	833.3e	574.0e
1200S200-54 ¹	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e	459.1e	393.5e	323.3e
1200S200-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1385.4e	1108.3e	821.4e	603.5e	450.2e
1200S200-97	50	10862.7e	8147.0e	6517.6e	5167.2e	2906.5e	1860.2e	1291.8e	949.1e	647.3e
1200S250-54 ¹	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e	459.1e	393.5e	335.1e
1200S250-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1385.4e	1108.3e	833.7e	612.5e	469.9e
1200S250-97	50	10862.7e	8147.0e	6517.6e	5431.3e	3142.1e	2010.9e	1396.5e	1026.0e	725.7e
1200S300-54 ¹	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e	459.1e	393.5e	344.3e
1200S300-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1385.4e	1108.3e	919.6e	675.6e	517.3e
1200S300-97	50	10862.7e	8147.0e	6517.6e	5431.3e	3636.9e	2327.6e	1616.4e	1187.6e	802.7e

Notes:

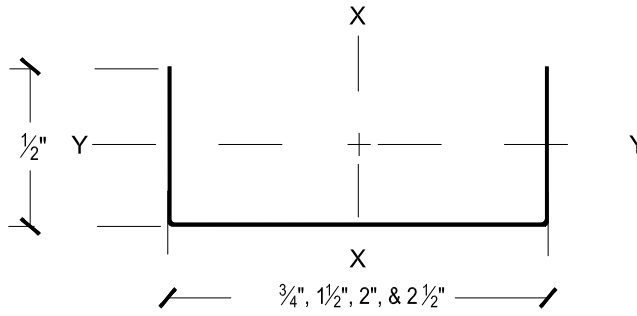
- Spans are based on continuous support of compression flange over the full length of header.
- For two equal spans, the listed span is the distance from either end to the center support, with the header continuous over the center support.
- Header must be braced against rotation at all supports.
- Web stiffeners required at mid span supports.
- Values are for un-punched members.
- Total load deflection is limited to L/360.
- Allowable moment, shear and web crippling are based on twice the capacity of a single member. The moment of inertia is based on twice the value of the single member.
- Web crippling check is based on 1" bearing length at end supports.
- Allowable loads are for simply supported headers with uniform bending loads only.
- Headers are made from two "boxed" or "back-to-back" members.
- "e" web stiffeners are required at ends.

U-Channel Section Properties

Section	Design Thickness (in)	Gross						Effective Properties 33 ksi			
		Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	Ma (in-k)	Va (lb)
75U050-54	0.0566	0.087	0.30	0.007	0.288	0.002	0.155	0.007	0.019	0.45	315
150U050-54	0.0566	0.129	0.44	0.039	0.547	0.003	0.144	0.039	0.052	1.22	840
200U050-54	0.0566	0.157	0.54	0.079	0.709	0.003	0.136	0.079	0.079	1.87	1190
250U050-54	0.0566	0.186	0.63	0.139	0.866	0.003	0.128	0.139	0.111	2.64	1540

Property Notes:

- For Deflection calculations, use effective I_{xx}.
- Inside bend radius taken as 3/32".



Allowable U-Channel Ceiling Spans – L/240s

Section		4 psf Channel Spacing (in oc)					6 psf Channel Spacing (in oc)					13 psf* Channel Spacing (in oc)					15 psf* Channel Spacing (in oc)				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	Single	3' 11"	3' 5"	3' 1"	2' 10"	2' 8"	3' 5"	3' 0"	2' 8"	2' 6"	2' 4"	2' 7"	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"
150U050-54	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 3"	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"
200U050-54	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"
250U050-54	Single	6' 1"	5' 4"	4' 10"	4' 6"	4' 3"	5' 4"	4' 8"	4' 3"	4' 0"	3' 9"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"
	Multiple	7' 9"	6' 9"	6' 2"	5' 9"	5' 5"	6' 9"	5' 11"	5' 5"	5' 0"	4' 9"	5' 3"	4' 7"	4' 3"	3' 11"	3' 9"	5' 0"	4' 5"	4' 0"	3' 9"	3' 7"

* Loads that exceed 10 psf limit require an approved CP60 coating.

Property Notes:

- For Deflection calculations, use effective I_{xx}.
- Inside bend radius taken as 3/32".

Allowable U-Channel Ceiling Spans – L/360

Section		4 psf Channel Spacing (in oc)					6 psf Channel Spacing (in oc)					13 psf* Channel Spacing (in oc)					15 psf* Channel Spacing (in oc)				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	Single	3' 5"	3' 0"	2' 8"	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"
150U050-54	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 3"	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"
200U050-54	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"
250U050-54	Single	6' 1"	5' 4"	4' 10"	4' 6"	4' 3"	5' 4"	4' 8"	4' 3"	4' 0"	3' 9"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"
	Multiple	7' 9"	6' 5"	6' 2"	5' 9"	5' 5"	6' 9"	5' 11"	5' 5"	5' 0"	4' 9"	5' 3"	4' 7"	4' 3"	3' 11"	3' 9"	5' 0"	4' 5"	4' 0"	3' 9"	3' 7"

* Loads that exceed 10 psf limit require an approved CP60 coating.

Span Notes:

- F_y = 33 ksi for all sections.
- Multiple span indicates two or more equal spans with channel continuous over interior supports
- Bearing Lengths = 0.75".
- Allowable spans based on the compression flange laterally unbraced.
- Include Torsion.
- Loads that exceed 10 psf limit require an approved CP60 coating.

Structural Properties for Hat Furring Channels

Section	Fy (ksi)	Design Thickness (in)	Gross Properties						Effective Properties		
			Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Rx (in)	Iy (in ⁴)	Ry (in)	Ix (in ⁴)	Sx (in ³)	Ma (ft/lb)
087F125-18	33	0.0188	0.070	0.239	0.009	0.356	0.0422	0.774	0.0086	0.0160	26.41
087F125-30	33	0.0312	0.115	0.392	0.014	0.352	0.0691	0.774	0.0143	0.0307	50.47
087F125-33	33	0.0346	0.127	0.433	0.016	0.351	0.0763	0.774	0.0157	0.0337	55.43

Notes:

1. Hems and offset in flange, if present, are ingored.
2. Design thickness used for determination of properties. Minimum delivered thickness must be no less than 95% of design thickness.
3. Effective properties are given as the minimum value for positive or negative bending.

Hat Furring Channel Allowable Ceiling Spans – L/240

Section	Fy (ksi)		Uniform Load								
			4 psf Spacing (in) oc			6 psf Spacing (in) oc			13 psf Spacing (in) oc		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	5' 2"	4' 9"	4' 1"	4' 6"	4' 1"	3' 7"	3' 6"	3' 2"	2' 9"
		Multiple	6' 5"	5' 10"	5' 1"	5' 7"	5' 1"	4' 2"	4' 0"	3' 6"	2' 10"
087F125-30	33	Single	6' 2"	5' 7"	4' 11"	5' 5"	4' 11"	4' 3"	4' 2"	3' 9"	3' 4"
		Multiple	7' 7"	6' 11"	6' 1"	6' 8"	6' 1"	5' 3"	5' 2"	4' 8"	3' 11"
087F125-33	33	Single	6' 4"	5' 9"	5' 1"	5' 7"	5' 1"	4' 5"	4' 4"	3' 11"	3' 5"
		Multiple	7' 10"	7' 2"	6' 3"	6' 10"	6' 3"	5' 5"	5' 4"	4' 10"	4' 1"

Hat Furring Channel Allowable Ceiling Spans – L/360

Section	Fy (ksi)		Uniform Load								
			4 psf Spacing (in) oc			6 psf Spacing (in) oc			13 psf Spacing (in) oc		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	4' 6"	4' 1"	3' 7"	4' 0"	3' 7"	3' 2"	3' 11"	2' 9"	2' 5"
		Multiple	5' 7"	5' 1"	4' 5"	4' 11"	4' 5"	3' 11"	3' 9"	3' 5"	2' 10"
087F125-30	33	Single	5' 5"	4' 11"	4' 3"	4' 8"	4' 3"	3' 9"	3' 8"	3' 4"	2' 11"
		Multiple	6' 8"	6' 1"	5' 3"	5' 10"	5' 3"	4' 7"	4' 6"	4' 1"	3' 7"
087F125-33	33	Single	5' 7"	5' 1"	4' 5"	4' 10"	4' 5"	3' 10"	3' 9"	3' 5"	3' 0"
		Multiple	6' 10"	6' 3"	5' 5"	6' 0"	5' 5"	4' 9"	4' 8"	4' 3"	3' 8"

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 the minimum span based on moment, shear, web crippling, deflection combined bending and shear or combined and web crippling.
4. Web crippling values based on 1" bearing at end and interior supports.



STEEL FRAMING INDUSTRY ASSOCIATION

CODE COMPLIANCE CERTIFICATION PROGRAM

SFIA developed, an industry supported Code Compliance Certification Program endorsed by the Association of the Wall and Ceiling Industry. The program is accessible to all manufacturers to certify that structural and nonstructural cold-formed steel framing they produce complies with the IBC 2021 code requirements.

Structural and nonstructural cold-formed steel framing certification is administered and audited by an independent third Administrator meeting IAS AC98 requirements and demonstrating compliance with ISO/IEC Standard 17020.

The validation process includes a minimum of two unannounced manufacturing audits per year of each facility operated by a manufacturer, as well as on-going random selection and independent testing of certified structural and nonstructural cold-formed steel framing products.



Manufacturing facilities that satisfy the requirements for certification are authorized to label structural and nonstructural cold-formed steel framing members they produce as “certified code compliant.” Check the updated list of Certified Production Facilities at Intertek’s website at <http://www.intertek.com/building/sfia/>.



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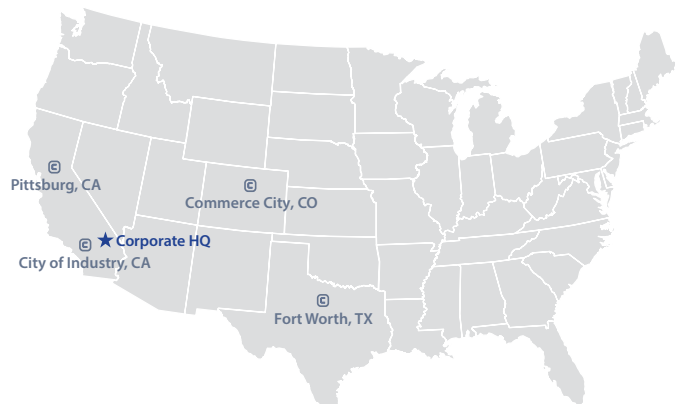
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