



Technical Guide for Cold-Formed Steel Framing Products

Technical Data in this publication is applicable
to the following SFIA Member Company:



The data in this guide is based upon the 2012 American Iron
and Steel Institute's S100-12 "North American Specification
for the Design of Cold-Formed Steel Structural Members" and
meets the requirements of the IBC 2015 Building Code, as well
as the 2013 California Building Code.

Complies with the 2015 IBC and AISI S100-12

Introduction



The Steel Framing Industry Association (SFIA) was formed with the objective of assisting companies having interests in the cold-formed steel framing industry to be more successful by unifying the industry to expand the market for the use of cold formed steel systems through:

- (a) Quality Assurance
- (b) Promotion
- (c) Advocacy
- (d) Education
- (e) Innovation

The SFIA developed this Industry leading product technical guide to comply with the latest building codes and standards. The data in this catalog based on the American Iron and Steel Institute's AISI S100-12 "North American Specification for the Design of Cold-Formed Steel Structural Members and meets the requirements of the IBC 2015 Building Code. While building codes vary by jurisdiction, this program follows the most recent international standards published by the International Code Council; the most widely recognized building code authority in North America.

Material Specification

Products manufactured by SFIA members are formed from steel with a minimum yield stress of 33 or 50 kips per square inch (ksi). Unless noted otherwise, all products covered in this SFIA catalog are engineered to meet the 2012 edition of the American Iron and Steel Institute (AISI) S100-12, North American Specification of the Design of Cold-Formed Steel Structural Members and other AISI standards referenced in section 2210 of the 2015 International Building Code (IBC-2012). The structural properties in this SFIA catalog have been computed based on allowable stress design (ASD) which includes distortional buckling considerations for all Stud Sections. For fastener tables, screw sizes and head diameters do not refer to specific fasteners which may or may not be available from SFIA member companies. Shear and tension data for screws was developed using published manufacturer data and evaluation reports available at the time of publications.

Disclaimer

A concerted effort has been made to ensure the accuracy of the technical data represented in this catalog. The Steel Framing Industry Association makes no representation, warranty, or guarantee in connection with this technical data and expressly disclaims any liability or responsibility for failure resulting from the use or misapplication of computations, detail drawings and specifications contained herein. All data, specifications and details contained in this catalog publications are intended as a general guide for using SFIA member companies products. These products should not be used in design or construction without an independent evaluation by a qualified engineer or architect to verify the suitability of a particular product for use in a specific application. This publication contains the latest information available at the time of printing. The SFIA and its member companies reserve the right to make modifications and/or change materials of any of their products without prior notice or obligation. For the latest information regarding a particular manufacturer's products contact that manufacturer. All SFIA manufacturers may not produce all of the products listed in this catalog. Please contact manufacturer to verify product availability.

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General Product Information



The Steel Framing Industry Association (SFIA) supports the industry standard nomenclature published in the American Iron and Steel Institutes's (AISI) General Provisions, S200, The AISI S200 states in Section A5.3 that .."structural members and non-structural members shall use a four-part product designator that identifies the size (both web depth and flange width), style, and thickness." An example of this designator is shown below:

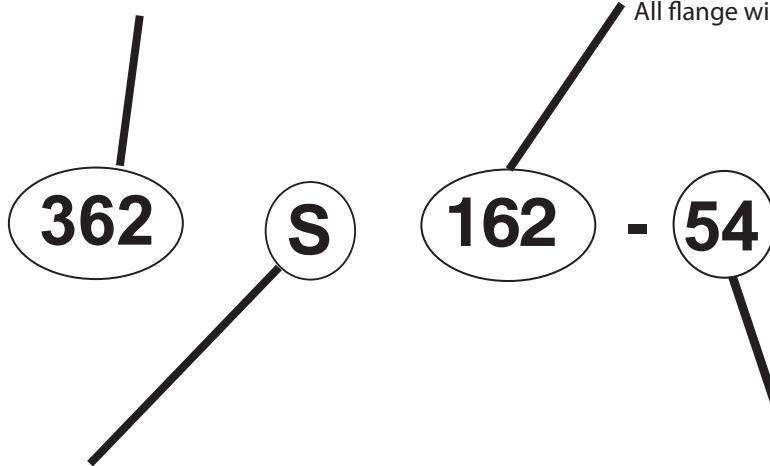
EXAMPLE:

MEMBER DEPTH:

(Example: 3-5/8" = 3.625" ~ 362 x 1/100 inches)

All member depths are taken in 1/100 inches.

For all "T" Sections, member depth is the inside to inside dimension.



STYLE:

(Example: Stud or Joist section = S)

The five alpha characters utilized by the designator system are:

S = Stud or Joist Sections

T = Track Sections

U = Channel Sections

F = Furring Channel Sections

L = Angle or L-header

FLANGE WIDTH:

(Example: 1-5/8" = 1.625" ~ 162 x 1/100 inches)

All flange widths are taken in 1/100 inches.

MATERIAL THICKNESS:

(Example: 0.054 in = 54 mils; 1 mil = 1/1000 in.)

Material thickness is the minimum base metal thickness in mils. Minimum base metal thickness represents 95% of the design thickness.

NOTE: For Structural members 54 mil (16 gauge) and thicker, that have both 33 and 50 ksi yield strength options shown, the designer shall identify which yield strength he has specified and the manufacturer shall label the product with the yield strength.

General Product Information



Thickness Table

Designation Thickness (Mils)	Minimum Thickness (in)	Design Thickness ¹ (in)	Design Inside Corner Radii ² (in)	Reference Gauge No.
18	0.0179	0.0188	0.0844	25
27	0.0269	0.0283	0.0796	22
30	0.0296	0.0312	0.0782	20-Drywall
33	0.0329	0.0346	0.0765	20-Structural
43	0.0428	0.0451	0.0712	18
54	0.0538	0.0566	0.0849	16
68	0.0677	0.0713	0.1070	14
97	0.0966	0.1017	0.1526	12
118	0.1180	0.1242	0.1863	10

Stiffening Lip Length

Section	Flange Width	Design Stiffening Lip Length (in)
S125	1 1/4"	0.188
S137	1 3/8"	0.375
S162	1 5/8"	0.500
S200	2"	0.625
S250	2 1/2"	0.625
S300	3"	0.625
S350	3 1/2"	1.000

¹ Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the jobsite based on section A2.4 of the AISI S100-12.

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

General Notes for all Tables

- Where AISI S100-12 is referenced, it is the "North American Specification for the Design of Cold-Formed Steel Structural Members", 2012 Edition, with US provisions.
- The strength increase from cold work of forming has been incorporated for flexural strength per section A7.2 of AISI S100-12.
- 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 S100-12 Specification Procedure 1 for serviceability determination has been used. Increases in the effective moment of Inertia (I_{e}) may be possible at lower stress levels. Any modified values would be required to be calculated by a qualified engineer.
- Various sections may be manufactured with yield points of 33 or 50 ksi. The yield point used for calculations are listed in the tables.
- For sections available in both 33 and 50 ksi, the specifier must be clearly indicate which yield point is required. For ex. 362S162-68 (50ksi).
- 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 4 inches long.

Members with depths 2.5 inches and smaller are maximum of 3/4 inches wide x 4 inches long.

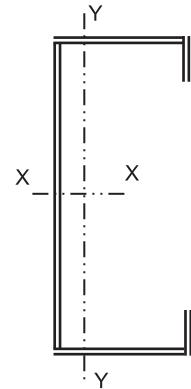
Definitions of Structural Property Symbols

Gross Properties

- Ix: Moment of inertia of gross section about the X-X axis (strong axis).
- Sx: Section modulus about the X-X axis (strong axis).
- Rx: Radius of gyration of the gross section about the X-X axis.
- Iy: Moment of inertia of gross section about the Y-Y axis (weak axis).
- Ry: Radius of gyration of the gross section about the Y-Y axis.

Effective Properties

- Ixe: Effective moment of inertia about the X-axis.
- Sxe: Effective section modulus about the X-X axis (strong axis) stress = Fy.
- Ma: Allowable Bending Moment - Based on the effective section modulus and the allowable stress including the strength increase from the cold-work of forming (section A7.2) where applicable.
- Mad: Allowable Bending Moment - Based on Distortional Buckling Strength calculated per AISI section C3.1.4
- Vag: Allowable strong axis shear away from punchout, calculated in accordance with AISI section C3.2.1.
- Vanet: Allowable strong axis shear at punchout, calculated in accordance with AISI section C3.2.2.



Torsional and Other Properties

- J: St. Venant Torsional Constant.
- Cw: Torsional warping constant.
- m: Distance from shear center to mid-plane of web.
- Xo: Distance from the shear center to the centroid along the principal X-axis.
- Ro: Polar radius of gyration about the centroidal principal axis.
- b: $1-(Xo/Ro)^2$
- Lu: The longest weak axis (Ly) and torsional (Lt) unbraced length at which lateral torsional buckling is restrained in accordance with AISI C3.1.2.1.

Section Properties Table Notes

1. Calculated properties are based on AISI S100-12, North American Specification for the Design of Cold-Formed Steel Structural Members.
2. The centerline bend radius is based upon inside corner radii shown in thickness chart.
3. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
4. Tabulated gross properties, including torsional properties, are based upon full-unreduced cross section of the studs, away from punchouts.
5. For deflection calculations, use the effective moment of inertia.
6. Allowable moment includes cold-work of forming.
7. For the steels that have both 33 and 50 ksi listing, if the design is based upon 50 ksi, the 50 ksi steel needs to be specified. (example: 3625 S137 16-50 (50 ksi)).
8. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural track sections are ignored.

Section Properties



Non-Structural (S) Stud Section Properties

Member	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties				Effective Properties				Torsional Properties					L _u (in)				
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M ₁ (in-k)	M _{ad} (in-k)	V _a (lb)	V _{a,et} (lb)	J x 1000 (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β	
162S125-18	0.0188	33	0.080	0.27	0.038	0.046	0.686	0.016	0.447	0.034	0.031	0.61	0.65	302	100	0.009	0.009	-1.029	0.594	1.315	0.388	29.0
162S125-27	0.0283	33	0.120	0.41	0.056	0.069	0.682	0.023	0.443	0.055	0.053	1.05	1.14	494	106	0.032	0.013	-1.018	0.587	1.303	0.390	29.1
162S125-30	0.0312	33	0.132	0.45	0.061	0.075	0.681	0.026	0.441	0.060	0.060	1.19	1.30	543	106	0.043	0.014	-1.014	0.585	1.299	0.390	29.2
162S125-33	0.0346	33	0.145	0.49	0.067	0.083	0.679	0.028	0.440	0.066	0.069	1.37	1.48	601	105	0.058	0.016	-1.010	0.583	1.294	0.391	29.3
250S125-18	0.0188	33	0.097	0.33	0.099	0.079	1.014	0.019	0.439	0.089	0.060	1.18	1.03	258	196	0.011	0.023	-0.904	0.543	1.428	0.599	29.0
250S125-27	0.0283	33	0.144	0.49	0.147	0.118	1.009	0.027	0.434	0.145	0.098	1.93	1.83	685	344	0.039	0.034	-0.893	0.537	1.416	0.602	28.9
250S125-30	0.0312	33	0.159	0.54	0.161	0.129	1.008	0.030	0.433	0.159	0.110	2.18	2.09	832	378	0.052	0.037	-0.890	0.535	1.413	0.603	28.9
250S125-33	0.0346	33	0.176	0.60	0.178	0.142	1.007	0.033	0.431	0.175	0.126	2.48	2.41	975	399	0.070	0.040	-0.886	0.532	1.409	0.604	28.9
250S125-43	0.0451	33	0.227	0.77	0.228	0.182	1.002	0.041	0.427	0.226	0.177	3.49	3.44	1265	394	0.154	0.050	-0.874	0.526	1.396	0.608	28.9
250S125-54	0.0566	33	0.280	0.95	0.277	0.222	0.994	0.049	0.419	0.277	0.218	4.98	5.08	1553	373	0.299	0.060	-0.859	0.518	1.379	0.612	26.8
250S125-54	0.0566	50	0.280	0.95	0.277	0.222	0.994	0.049	0.419	0.275	0.209	6.26	6.17	2353	565	0.299	0.060	-0.859	0.518	1.379	0.612	23.3
250S125-68	0.0713	33	0.346	1.18	0.335	0.268	0.984	0.058	0.408	0.335	0.267	6.30	6.33	1891	342	0.586	0.072	-0.840	0.508	1.356	0.617	26.6
250S125-68	0.0713	50	0.346	1.18	0.335	0.268	0.984	0.058	0.408	0.335	0.263	7.86	8.01	2866	519	0.586	0.072	-0.840	0.508	1.356	0.617	23.3
350S125-18	0.0188	33	0.115	0.39	0.215	0.123	1.366	0.021	0.423	0.197	0.072	1.42	1.47	180	159	0.014	0.050	-0.798	0.495	1.638	0.763	28.8
350S125-27	0.0283	33	0.173	0.59	0.320	0.183	1.361	0.030	0.419	0.313	0.130	2.57	2.65	614	359	0.046	0.073	-0.788	0.489	1.627	0.766	28.7
350S125-30	0.0312	33	0.190	0.65	0.351	0.201	1.360	0.033	0.417	0.346	0.150	2.97	3.05	824	436	0.062	0.079	-0.784	0.488	1.624	0.767	28.6
350S125-33	0.0346	33	0.210	0.72	0.388	0.222	1.358	0.036	0.416	0.382	0.175	3.46	3.53	1024	487	0.084	0.087	-0.781	0.485	1.621	0.768	28.6
350S125-43	0.0451	33	0.272	0.93	0.498	0.284	1.352	0.046	0.411	0.493	0.258	5.10	5.12	1739	631	0.185	0.109	-0.769	0.479	1.609	0.771	28.5
350S125-54	0.0566	33	0.337	1.15	0.609	0.348	1.344	0.055	0.403	0.609	0.328	6.49	6.87	2253	633	0.360	0.131	-0.755	0.472	1.593	0.775	28.4
350S125-54	0.0566	50	0.337	1.15	0.609	0.348	1.344	0.055	0.403	0.603	0.308	9.23	9.26	3372	947	0.360	0.131	-0.755	0.472	1.593	0.775	22.9
350S125-68	0.0713	33	0.417	1.42	0.739	0.422	1.332	0.064	0.392	0.739	0.409	9.68	9.99	2774	592	0.706	0.156	-0.737	0.462	1.572	0.780	25.8
350S125-68	0.0713	50	0.417	1.42	0.739	0.422	1.332	0.064	0.392	0.739	0.401	12.01	12.55	4203	897	0.706	0.156	-0.737	0.462	1.572	0.780	22.8
362S125-18	0.0188	33	0.118	0.40	0.234	0.129	1.409	0.021	0.421	0.215	0.075	1.48	1.52	173	163	0.014	0.054	-0.786	0.490	1.667	0.778	28.8
362S125-27	0.0283	33	0.176	0.60	0.347	0.192	1.404	0.031	0.416	0.340	0.135	2.67	2.76	592	370	0.047	0.079	-0.776	0.484	1.657	0.781	28.6
362S125-30	0.0312	33	0.194	0.66	0.381	0.210	1.402	0.033	0.415	0.375	0.156	3.09	3.17	794	449	0.063	0.086	-0.773	0.482	1.654	0.782	28.6
362S125-33	0.0346	33	0.215	0.73	0.421	0.232	1.401	0.037	0.413	0.415	0.182	3.60	3.68	1024	521	0.086	0.094	-0.770	0.480	1.651	0.783	28.5
362S125-43	0.0451	33	0.278	0.95	0.541	0.298	1.395	0.046	0.408	0.535	0.269	5.32	5.34	1739	676	0.188	0.118	-0.758	0.474	1.640	0.786	28.4
362S125-54	0.0566	33	0.344	1.17	0.661	0.365	1.386	0.055	0.401	0.661	0.343	6.78	7.20	2341	705	0.367	0.142	-0.744	0.466	1.624	0.790	28.3
362S125-54	0.0566	50	0.344	1.17	0.661	0.365	1.386	0.055	0.401	0.655	0.322	9.63	9.67	3372	1016	0.367	0.142	-0.744	0.466	1.624	0.790	22.8
362S125-68	0.0713	33	0.426	1.45	0.804	0.444	1.374	0.065	0.390	0.804	0.432	8.54	8.76	2884	662	0.721	0.170	-0.726	0.457	1.602	0.795	28.2
362S125-68	0.0713	50	0.426	1.45	0.804	0.444	1.374	0.065	0.390	0.804	0.419	12.56	13.12	4370	1004	0.721	0.170	-0.726	0.457	1.602	0.795	22.7
400S125-181	0.0188	33	0.125	0.42	0.294	0.147	1.536	0.021	0.415	0.273	0.083	1.64	1.69	156	156	0.015	0.068	-0.755	0.475	1.761	0.816	28.7
400S125-27	0.0283	33	0.187	0.64	0.438	0.219	1.531	0.031	0.410	0.428	0.151	2.98	3.07	533	398	0.050	0.098	-0.745	0.469	1.751	0.819	28.5
400S125-30	0.0312	33	0.206	0.70	0.481	0.240	1.529	0.034	0.409	0.473	0.174	3.44	3.54	715	484	0.067	0.108	-0.742	0.467	1.748	0.820	28.5
400S125-33	0.0346	33	0.228	0.77	0.531	0.265	1.527	0.038	0.407	0.523	0.203	4.02	4.11	976	595	0.091	0.118	-0.738	0.465	1.745	0.821	28.4
400S125-43	0.0451	33	0.295	1.00	0.682	0.341	1.522	0.048	0.402	0.676	0.302	5.96	5.99	1739	810	0.200	0.148	-0.727	0.459	1.734	0.824	28.2
400S125-54	0.0566	33	0.365	1.24	0.836	0.418	1.512	0.057	0.394	0.836	0.387	7.65	8.13	2603	944	0.390	0.178	-0.713	0.452	1.718	0.828	28.1
400S125-54	0.0566	50	0.365	1.24	0.836	0.418	1.512	0.057	0.394	0.828	0.362	10.82	10.88	3372	1223	0.390	0.178	-0.713	0.452	1.718	0.828	22.7
400S125-68	0.0713	33	0.452	1.54	1.018	0.509	1.500	0.067	0.383	1.018	0.475	14.22	14.86	4871	1356	0.767	0.213	-0.695	0.443	1.697	0.832	22.5
400S125-68	0.0713	50	0.452	1.54	1.018	0.509	1.500	0.067	0.383	1.018	0.475	14.22	14.86	4871	1356	0.767	0.213	-0.695	0.443	1.697	0.832	22.5
550S125-182	0.0188	33	0.153	0.52	0.630	0.229	2.029	0.023	0.390	0.534	0.132	2.61	2.30	112	112	0.018	0.141	-0.651	0.423	2.166	0.910	28.2
550S125-27	0.0283	33	0.229	0.78	0.939	0.341	2.023	0.034	0.385	0.898	0.246	4.87	4.27	382	382	0.061	0.205	-0.642	0.417	2.158	0.912	27.9
550S125-30	0.0312	33	0.252	0.86	1.032	0.375	2.022	0.037	0.384	0.996	0.286	5.65	4.95	512	512	0.082	0.224	-0.639	0.416	2.155	0.912	27.9
550S125-33	0.0346	33	0.279	0.95	1.140	0.415	2.020	0.041	0.382	1.112	0.335	6.63	5.79	699	699	0.1						

Section Properties

(T) Track Section Properties

Member	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties				Torsional Properties						
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _a (in-k)	V _{a_g} (lb)	J x 1000 (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
162T125-18	0.0188	33	0.078	0.26	0.042	0.048	0.733	0.013	0.411	0.030	0.025	0.50	302	0.0091	0.007	-0.876	0.503	1.215	0.479
162T125-27	0.0283	33	0.117	0.40	0.063	0.072	0.735	0.020	0.410	0.051	0.044	0.87	541	0.0312	0.010	-0.872	0.501	1.211	0.482
162T125-30	0.0312	33	0.129	0.44	0.070	0.079	0.735	0.022	0.409	0.057	0.050	1.00	597	0.0417	0.012	-0.870	0.500	1.210	0.483
162T125-33	0.0346	33	0.143	0.49	0.077	0.087	0.736	0.024	0.408	0.066	0.058	1.15	663	0.0569	0.013	-0.868	0.499	1.209	0.484
250T125-18	0.0188	33	0.094	0.32	0.104	0.079	1.052	0.015	0.400	0.078	0.044	0.88	245	0.0111	0.018	-0.767	0.460	1.362	0.682
250T125-27	0.0283	33	0.141	0.48	0.157	0.119	1.053	0.022	0.398	0.129	0.079	1.56	685	0.0378	0.027	-0.763	0.457	1.360	0.685
250T125-30	0.0312	33	0.156	0.53	0.173	0.131	1.053	0.025	0.397	0.145	0.090	1.77	832	0.0506	0.030	-0.762	0.456	1.359	0.686
250T125-33	0.0346	33	0.173	0.59	0.192	0.145	1.054	0.027	0.397	0.166	0.103	2.03	1024	0.0690	0.033	-0.760	0.456	1.358	0.687
250T125-43	0.0451	33	0.225	0.77	0.250	0.188	1.055	0.035	0.395	0.231	0.147	2.91	1356	0.1526	0.042	-0.755	0.453	1.356	0.690
250T125-54	0.0566	33	0.282	0.96	0.318	0.236	1.062	0.043	0.392	0.310	0.203	4.01	1692	0.3015	0.054	-0.749	0.449	1.357	0.696
250T125-54	0.0566	50	0.282	0.96	0.318	0.236	1.062	0.043	0.392	0.297	0.188	5.64	2563	0.3015	0.054	-0.749	0.449	1.357	0.696
250T125-68	0.0713	33	0.355	1.21	0.409	0.297	1.072	0.054	0.389	0.409	0.281	5.56	2112	0.6022	0.069	-0.740	0.444	1.360	0.704
250T125-68	0.0713	50	0.355	1.21	0.409	0.297	1.072	0.054	0.389	0.403	0.262	7.85	3199	0.6022	0.069	-0.740	0.444	1.360	0.704
250T150-27	0.0283	33	0.156	0.53	0.181	0.137	1.078	0.037	0.486	0.139	0.082	1.61	685	0.0415	0.044	-0.976	0.575	1.534	0.595
250T150-30	0.0312	33	0.172	0.58	0.200	0.151	1.078	0.040	0.486	0.157	0.093	1.83	832	0.0557	0.049	-0.975	0.574	1.533	0.595
250T150-33	0.0346	33	0.190	0.65	0.221	0.167	1.079	0.045	0.485	0.180	0.107	2.11	1024	0.0759	0.054	-0.973	0.573	1.532	0.596
250T150-43	0.0451	33	0.248	0.84	0.289	0.217	1.080	0.058	0.483	0.252	0.154	3.03	1356	0.1679	0.070	-0.968	0.570	1.529	0.599
250T150-54	0.0566	33	0.311	1.06	0.368	0.273	1.088	0.072	0.481	0.342	0.214	4.22	1692	0.3317	0.089	-0.961	0.566	1.530	0.605
250T150-54	0.0566	50	0.311	1.06	0.368	0.273	1.088	0.072	0.481	0.325	0.197	5.89	2563	0.3317	0.089	-0.961	0.566	1.530	0.605
250T150-68	0.0713	33	0.391	1.33	0.472	0.344	1.099	0.089	0.478	0.465	0.299	5.92	2112	0.6627	0.114	-0.953	0.561	1.531	0.613
250T150-68	0.0713	50	0.391	1.33	0.472	0.344	1.099	0.089	0.478	0.445	0.276	8.27	3199	0.6627	0.114	-0.953	0.561	1.531	0.613
250T200-33	0.0346	33	0.225	0.76	0.280	0.212	1.117	0.097	0.658	0.203	0.112	2.22	1024	0.0897	0.118	-1.418	0.813	1.922	0.455
250T200-43	0.0451	33	0.293	1.00	0.366	0.275	1.119	0.126	0.656	0.288	0.163	3.21	1356	0.1985	0.153	-1.413	0.810	1.918	0.457
250T200-54	0.0566	33	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.396	0.228	4.51	1692	0.3921	0.195	-1.405	0.806	1.917	0.462
250T200-54	0.0566	50	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.372	0.209	6.25	2563	0.3921	0.195	-1.405	0.806	1.917	0.462
250T200-68	0.0713	33	0.462	1.57	0.600	0.437	1.139	0.196	0.652	0.548	0.324	6.41	2112	0.7835	0.251	-1.396	0.800	1.916	0.469
250T200-68	0.0713	50	0.462	1.57	0.600	0.437	1.139	0.196	0.652	0.517	0.296	8.87	3199	0.7835	0.251	-1.396	0.800	1.916	0.469
350T125-18	0.0188	33	0.113	0.38	0.220	0.121	1.395	0.017	0.382	0.174	0.062	1.22	173	0.0133	0.038	-0.675	0.418	1.596	0.821
350T125-27	0.0283	33	0.170	0.58	0.331	0.182	1.396	0.025	0.381	0.277	0.128	2.53	590	0.0453	0.057	-0.670	0.416	1.595	0.823
350T125-30	0.0312	33	0.187	0.64	0.365	0.200	1.396	0.027	0.380	0.312	0.145	2.86	790	0.0607	0.063	-0.669	0.415	1.594	0.824
350T125-33	0.0346	33	0.207	0.71	0.405	0.222	1.397	0.030	0.379	0.355	0.165	3.27	1024	0.0828	0.070	-0.668	0.414	1.594	0.824
350T125-43	0.0451	33	0.270	0.92	0.528	0.288	1.398	0.038	0.377	0.490	0.233	4.61	1739	0.1832	0.090	-0.663	0.412	1.592	0.826
350T125-54	0.0566	33	0.339	1.15	0.668	0.361	1.404	0.048	0.375	0.651	0.317	6.26	2392	0.3619	0.114	-0.658	0.408	1.595	0.830
350T125-54	0.0566	50	0.339	1.15	0.668	0.361	1.404	0.048	0.375	0.626	0.297	8.90	3372	0.3619	0.114	-0.658	0.408	1.595	0.830
350T125-68	0.0713	33	0.427	1.45	0.851	0.454	1.412	0.059	0.372	0.851	0.433	8.55	2994	0.7231	0.144	-0.650	0.403	1.599	0.835
350T125-68	0.0713	50	0.427	1.45	0.851	0.454	1.412	0.059	0.372	0.839	0.407	12.19	4536	0.7231	0.144	-0.650	0.403	1.599	0.835
350T125-97	0.1017	33	0.608	2.07	1.243	0.645	1.430	0.081	0.366	1.243	0.645	14.57	4213	2.0960	0.209	-0.636	0.394	1.607	0.844
350T125-97	0.1017	50	0.608	2.07	1.243	0.645	1.430	0.081	0.366	1.243	0.645	21.69	6383	2.0960	0.209	-0.636	0.394	1.607	0.844
350T150-27	0.0283	33	0.184	0.63	0.377	0.207	1.432	0.041	0.470	0.298	0.132	2.62	590	0.0491	0.094	-0.869	0.529	1.739	0.751
350T150-30	0.0312	33	0.203	0.69	0.416	0.228	1.432	0.045	0.470	0.336	0.150	2.96	790	0.0658	0.103	-0.867	0.528	1.739	0.751
350T150-33	0.0346	33	0.225	0.76	0.461	0.253	1.432	0.049	0.469	0.382	0.171	3.39	1024	0.0897	0.114	-0.866	0.527	1.738	0.752
350T150-43	0.0451	33	0.293	1.00	0.601	0.329	1.433	0.064	0.467	0.531	0.243	4.80	1739	0.1985	0.148	-0.861	0.525	1.736	0.754
350T150-54	0.0566	33	0.367	1.25	0.762	0.412	1.440	0.079	0.465	0.651	0.317	6.26	2392	0.3619	0.114	-0.658	0.408	1.595	0.830
350T150-54	0.0566	50	0.367	1.25	0.762	0.412	1.440	0.079	0.465	0.679	0.310	9.28	3372	0.3619	0.114	-0.658	0.408	1.595	0.830
350T150-68	0.0713	33	0.462	1.57	0.972	0.518	1.450	0.099	0.462	0.957	0.459	9.07	2994	0.7835	0.238	-0.847	0.516	1.742	0.763
350T150-68	0.0713	50	0.462	1.57	0.972	0.518	1.450	0.099	0.462	0.919	0.428	12.81	4536	0.7835	0.238	-0.847	0.516	1.742	0.763
350T150-97	0.1017	33	0.659	2.24	1.423	0.738	1.469	0.137	0.456	1.422	0.738	16.33	4213	2.2713	0.346	-0.831	0.506	1.749	0.774
350T150-97	0.1017	50	0.659	2.24	1.423	0.738	1.469	0.137	0.456	1.422	0.701	20.98	6383	2.2713	0.346	-0.831	0.506	1.749	0.774
350T200-33	0.0346	33	0.259	0.88	0.574	0.315	1.488	0.108	0.646	0.428	0.181	3.57	1024	0.1035	0.249	-1.285	0.761	2.069	0.614
350T200-43	0.0451	33	0.338	1.15	0.749	0.409	1.												

Section Properties



(T) Track Section Properties

Member	Design			Gross Properties						Effective Properties				Torsional Properties					
	Thickness (in)	Fy (ksi)	Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _a (in-k)	V _a (lb)	J x 1000 (in ⁶)	C _w (in ³)	X _o (in)	m	R _o (in)	β
362T150-27	0.0283	33	0.187	0.64	0.408	0.217	1.475	0.041	0.468	0.323	0.140	2.76	569	0.0500	0.102	-0.857	0.524	1.769	0.765
362T150-30	0.0312	33	0.207	0.70	0.450	0.239	1.475	0.045	0.467	0.364	0.158	3.12	762	0.0670	0.112	-0.856	0.523	1.768	0.766
362T150-33	0.0346	33	0.229	0.78	0.499	0.264	1.475	0.050	0.467	0.414	0.180	3.56	1024	0.0914	0.124	-0.854	0.522	1.768	0.766
362T150-43	0.0451	33	0.298	1.02	0.650	0.344	1.476	0.064	0.465	0.575	0.255	5.04	1739	0.2023	0.160	-0.850	0.519	1.766	0.768
362T150-54	0.0566	33	0.374	1.27	0.823	0.431	1.483	0.080	0.462	0.770	0.349	6.89	2480	0.3997	0.202	-0.844	0.516	1.768	0.772
362T150-54	0.0566	50	0.374	1.27	0.823	0.431	1.483	0.080	0.462	0.735	0.325	9.74	3372	0.3997	0.202	-0.844	0.516	1.768	0.772
362T150-68	0.0713	33	0.471	1.60	1.050	0.542	1.493	0.100	0.460	1.034	0.481	9.50	3104	0.7986	0.257	-0.836	0.511	1.771	0.777
362T150-68	0.0713	50	0.471	1.60	1.050	0.542	1.493	0.100	0.460	0.993	0.449	13.43	4703	0.7986	0.257	-0.836	0.511	1.771	0.777
362T150-97	0.1017	33	0.672	2.28	1.535	0.771	1.512	0.138	0.453	1.535	0.771	17.07	4339	2.3152	0.374	-0.820	0.501	1.779	0.787
362T150-97	0.1017	50	0.672	2.28	1.535	0.771	1.512	0.138	0.453	1.535	0.733	21.94	6574	2.3152	0.374	-0.820	0.501	1.779	0.787
362T200-33	0.0346	33	0.264	0.90	0.619	0.329	1.533	0.110	0.645	0.464	0.190	3.76	1024	0.1052	0.269	-1.270	0.754	2.092	0.631
362T200-43	0.0451	33	0.343	1.17	0.808	0.427	1.534	0.142	0.643	0.650	0.270	5.34	1739	0.2329	0.350	-1.265	0.752	2.090	0.633
362T200-54	0.0566	33	0.431	1.47	1.024	0.536	1.542	0.177	0.640	0.879	0.372	7.36	2480	0.4601	0.442	-1.259	0.748	2.091	0.638
362T200-54	0.0566	50	0.431	1.47	1.024	0.536	1.542	0.177	0.640	0.832	0.345	10.34	3372	0.4601	0.442	-1.259	0.748	2.091	0.638
362T200-68	0.0713	33	0.543	1.85	1.308	0.675	1.552	0.221	0.638	1.199	0.519	10.26	3104	0.9194	0.564	-1.250	0.743	2.093	0.643
362T200-68	0.0713	50	0.543	1.85	1.308	0.675	1.552	0.221	0.638	1.138	0.480	14.38	4703	0.9194	0.564	-1.250	0.743	2.093	0.643
362T200-97	0.1017	33	0.773	2.63	1.917	0.963	1.575	0.308	0.632	1.916	0.868	17.14	4339	2.6658	0.825	-1.232	0.732	2.097	0.655
362T200-97	0.1017	50	0.773	2.63	1.917	0.963	1.575	0.308	0.632	1.840	0.804	24.06	6574	2.6658	0.825	-1.232	0.732	2.097	0.655
400T125-18 ¹	0.0188	33	0.122	0.42	0.298	0.145	1.562	0.017	0.374	0.241	0.070	1.39	151	0.0144	0.052	-0.637	0.400	1.727	0.864
400T125-27	0.0283	33	0.184	0.63	0.449	0.217	1.562	0.025	0.372	0.380	0.156	3.08	515	0.0491	0.078	-0.633	0.398	1.726	0.866
400T125-30	0.0312	33	0.203	0.69	0.495	0.239	1.563	0.028	0.371	0.427	0.176	3.49	689	0.0658	0.085	-0.632	0.397	1.726	0.866
400T125-33	0.0346	33	0.225	0.76	0.549	0.265	1.563	0.031	0.371	0.484	0.201	3.97	940	0.0897	0.095	-0.630	0.396	1.725	0.867
400T125-43	0.0451	33	0.293	1.00	0.716	0.344	1.564	0.040	0.369	0.666	0.282	5.57	1739	0.1985	0.122	-0.626	0.394	1.724	0.868
400T125-54	0.0566	33	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.883	0.381	7.53	2739	0.3921	0.154	-0.621	0.390	1.727	0.871
400T125-54	0.0566	50	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.850	0.359	10.74	3372	0.3921	0.154	-0.621	0.390	1.727	0.871
400T125-68	0.0713	33	0.462	1.57	1.151	0.541	1.577	0.061	0.364	1.150	0.517	10.22	3435	0.7835	0.194	-0.614	0.386	1.731	0.874
400T125-68	0.0713	50	0.462	1.57	1.151	0.541	1.577	0.061	0.364	1.134	0.488	14.62	5205	0.7835	0.194	-0.614	0.386	1.731	0.874
400T125-97	0.1017	33	0.659	2.24	1.674	0.768	1.594	0.084	0.358	1.673	0.768	17.36	4842	2.2713	0.280	-0.600	0.377	1.740	0.881
400T125-97	0.1017	50	0.659	2.24	1.674	0.768	1.594	0.084	0.358	1.673	0.768	25.84	7337	2.2713	0.280	-0.600	0.377	1.740	0.881
400T150-27	0.0283	33	0.198	0.67	0.509	0.246	1.602	0.042	0.461	0.409	0.154	3.04	515	0.0529	0.127	-0.824	0.509	1.860	0.804
400T150-30	0.0312	33	0.218	0.74	0.561	0.271	1.603	0.046	0.461	0.458	0.183	3.61	689	0.0708	0.140	-0.823	0.508	1.860	0.804
400T150-33	0.0346	33	0.242	0.82	0.622	0.300	1.603	0.051	0.460	0.519	0.208	4.12	940	0.0966	0.155	-0.821	0.507	1.859	0.805
400T150-43	0.0451	33	0.315	1.07	0.811	0.390	1.604	0.066	0.458	0.719	0.293	5.80	1739	0.2138	0.200	-0.817	0.504	1.857	0.807
400T150-54	0.0566	33	0.396	1.35	1.026	0.489	1.610	0.082	0.456	0.960	0.399	7.89	2739	0.4223	0.252	-0.811	0.501	1.860	0.810
400T150-54	0.0566	50	0.396	1.35	1.026	0.489	1.610	0.082	0.456	0.918	0.374	11.19	3372	0.4223	0.252	-0.811	0.501	1.860	0.810
400T150-68	0.0713	33	0.498	1.69	1.306	0.615	1.619	0.102	0.453	1.286	0.548	10.82	3435	0.8439	0.320	-0.804	0.496	1.864	0.814
400T150-68	0.0713	50	0.498	1.69	1.306	0.615	1.619	0.102	0.453	1.237	0.513	15.36	5205	0.8439	0.320	-0.804	0.496	1.864	0.814
400T150-97	0.1017	33	0.710	2.41	1.904	0.874	1.638	0.142	0.447	1.904	0.874	19.35	4842	2.4466	0.463	-0.788	0.487	1.872	0.823
400T150-97	0.1017	50	0.710	2.41	1.904	0.874	1.638	0.142	0.447	1.904	0.832	24.92	7337	2.4466	0.463	-0.788	0.487	1.872	0.823
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	0.1104	0.336	-1.229	0.737	2.167	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	0.2443	0.436	-1.224	0.734	2.164	0.680
400T200-54	0.0566	33	0.452	1.54	1.268	0.604	1.675	0.182	0.635	1.093	0.426	8.42	2739	0.4828	0.551	-1.217	0.730	2.166	0.684
400T200-54	0.0566	50	0.452	1.54	1.268	0.604	1.675	0.182	0.635	1.037	0.397	11.88	3372	0.4828	0.551	-1.217	0.730	2.166	0.684
400T200-68	0.0713	33	0.569	1.94	1.617	0.761	1.685	0.227	0.632	1.486	0.591	11.68	3435	0.9647	0.702	-1.209	0.725	2.168	0.689
400T200-68	0.0713	50	0.569	1.94	1.617	0.761	1.685	0.227	0.632	1.412	0.549	16.43	5205	0.9647	0.702	-1.209	0.725	2.168	0.689
400T200-97	0.1017	33	0.811	2.76	2.364	1.085	1.707	0.318	0.626	2.361	0.981	19.38	4842	2.7973	1.022	-1.192	0.715	2.174	0.699
400T200-97	0.1017	50	0.811	2.76	2.364	1.085	1.707	0.318	0.626	2.269	0.911	27.29	7337	2.7973	1.022	-1.192	0.715	2.174	0.699
550T125-27	0.0283	33	0.226	0.77	0.948	0.336	2.046	0.027	0.348	0.786	0.192	3.79	372	0.0604	0.160	-0.543	0.352	2.146	0.936
550T125-30	0.0312	33	0.250	0.85	1.045	0.371	2.047	0.030	0.347	0.897	0.226	4.47	499	0.0810	0.176	-0.542	0.351	2.145	0.936
550T125-33	0.0346	33	0.277	0.94	1.159	0.411	2.047</td												

Section Properties

(T) Track Section Properties

Member	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties				Torsional Properties						
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _a (in-k)	V _a (lb)	J x 1000 (in ⁴)	C _w (in ⁴)	X _o (in)	m	R _b (in)	β
1600T150-54	0.0566	33	1.075	3.66	30.343	3.747	5.314	0.106	0.314	25.453	2.090	41.29	1014	1.1476	5.757	-0.374	0.260	5.336	0.995
1600T150-54	0.0566	50	1.075	3.66	30.343	3.747	5.314	0.106	0.314	23.309	1.782	53.34	1014	1.1476	5.757	-0.374	0.260	5.336	0.995
1600T150-68	0.0713	33	1.354	4.60	38.268	4.710	5.317	0.132	0.312	34.949	3.152	62.28	2030	2.2938	7.188	-0.371	0.258	5.339	0.995
1600T150-68	0.0713	50	1.354	4.60	38.268	4.710	5.317	0.132	0.312	32.544	2.717	81.35	2030	2.2938	7.188	-0.371	0.258	5.339	0.995
1600T150-97	0.1017	33	1.930	6.57	54.708	6.690	5.324	0.183	0.308	53.176	5.674	112.13	5908	6.6541	10.066	-0.363	0.253	5.345	0.995
1600T150-97	0.1017	50	1.930	6.57	54.708	6.690	5.324	0.183	0.308	51.389	5.047	151.12	5908	6.6541	10.066	-0.363	0.253	5.345	0.995
1600T150-118	0.1242	33	2.356	8.02	66.919	8.144	5.329	0.218	0.304	66.886	7.460	147.42	10783	12.1166	12.124	-0.358	0.249	5.350	0.996
1600T150-118	0.1242	50	2.356	8.02	66.919	8.144	5.329	0.218	0.304	65.028	6.911	206.93	10783	12.1166	12.124	-0.358	0.249	5.350	0.996
1600T200-54	0.0566	33	1.131	3.85	34.030	4.202	5.485	0.246	0.467	27.343	2.154	42.57	1014	1.2081	12.864	-0.612	0.417	5.538	0.988
1600T200-54	0.0566	50	1.131	3.85	34.030	4.202	5.485	0.246	0.467	24.873	1.827	54.71	1014	1.2081	12.864	-0.612	0.417	5.538	0.988
1600T200-68	0.0713	33	1.425	4.85	42.933	5.284	5.489	0.307	0.464	37.912	3.277	64.76	2030	2.4146	16.123	-0.607	0.414	5.542	0.988
1600T200-68	0.0713	50	1.425	4.85	42.933	5.284	5.489	0.307	0.464	35.022	2.806	84.00	2030	2.4146	16.123	-0.607	0.414	5.542	0.988
1600T200-97	0.1017	33	2.032	6.91	61.425	7.511	5.498	0.428	0.459	60.203	6.053	119.61	5908	7.0047	22.755	-0.598	0.408	5.550	0.988
1600T200-97	0.1017	50	2.032	6.91	61.425	7.511	5.498	0.428	0.459	57.306	5.298	158.64	5908	7.0047	22.755	-0.598	0.408	5.550	0.988
1600T200-118	0.1242	33	2.481	8.44	75.179	9.149	5.505	0.515	0.455	75.147	8.332	164.64	10783	12.7552	27.568	-0.592	0.403	5.556	0.989
1600T200-118	0.1242	50	2.481	8.44	75.179	9.149	5.505	0.515	0.455	73.619	7.433	222.55	10783	12.7552	27.568	-0.592	0.403	5.556	0.989

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

See Section Properties Table Notes on page 5.

Section Properties



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

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

¹ h/t exceeds 200

² h value used for h/t calculations is the flat width of the web. For Stud members, this is the out-to-out member size, minus twice the thickness, minus twice the inside bend radius.

³ h/t values exceeding 260 are marked with a dash (-)

Members with h/t between 200 and 260

Member	h/t	Member	h/t
400S_18	202	1000_43	217
600S_27	204	1200S_54	207
800S_30	249	1400S_54	242
800S_33	225	1600S_68	219

Limiting Wall Heights - Non-Composite



Interior Non-Structural Non-Composite Table Notes

1. Lateral loads of 5 psf, 7.5 psf, and 10 psf loads have NOT been reduced for strength or deflection checks. Full lateral load is applied.
2. Calculated properties are based upon AISI S100-12, North American Specification for the Design of Cold-Formed Steel Structural Members.
3. Limiting heights are based upon continuous support of each flange over the full length of the stud.
4. Limiting heights are based upon steel properties only (non-composite).
5. Web crippling checks are based upon end-one flange loading condition using 1-inch end bearing.
6. Where limiting heights are followed by "e", web stiffeners are required.

Interior Non-Structural Non-Composite											
Stud Member	Spacing in, oc	Fy, ksi	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162S125-18	12	33	9' 0"	7' 7"	6' 8"	7' 4"	6' 8"	5' 10"	6' 4"	6' 1"	5' 3"
	16		7' 10"	6' 11"	6' 1"	6' 4"	6' 1"	5' 3"	5' 6"	5' 6"	4' 10"
	24		6' 4"	6' 1"	5' 3"	5' 2"	5' 2"	4' 7"	4' 6"	4' 6"	4' 2"
162S125-27	12	33	11' 3"	8' 11"	7' 10"	9' 8"	7' 10"	6' 10"	8' 4"	7' 1"	6' 3"
	16		10' 3"	8' 2"	7' 1"	8' 4"	7' 1"	6' 3"	7' 3"	6' 5"	5' 8"
	24		8' 4"	7' 1"	6' 3"	6' 10"	6' 3"	5' 5"	5' 11"	5' 8"	4' 11"
162S125-30	12	33	11' 8"	9' 3"	8' 1"	10' 2"	8' 1"	7' 1"	8' 11"	7' 4"	6' 5"
	16		10' 7"	8' 5"	7' 4"	8' 11"	7' 4"	6' 5"	7' 9"	6' 8"	5' 10"
	24		8' 11"	7' 4"	6' 5"	7' 3"	6' 5"	5' 7"	6' 4"	5' 10"	5' 1"
162S125-33	12	33	12' 0"	9' 6"	8' 4"	10' 6"	8' 4"	7' 3"	9' 6"	7' 7"	6' 7"
	16		10' 11"	8' 8"	7' 7"	9' 6"	7' 7"	6' 7"	8' 3"	6' 11"	6' 0"
	24		9' 6"	7' 7"	6' 7"	7' 10"	6' 7"	5' 9"	6' 9"	6' 0"	5' 3"
250S125-18	12	33	11' 9"	10' 6"	9' 3"	9' 7"	9' 3"	8' 1"	8' 3"	8' 3"	7' 4"
	16		10' 2"	9' 7"	8' 4"	8' 3"	8' 3"	7' 4"	7' 2"	7' 2"	6' 8"
	24		8' 3"	8' 3"	7' 4"	6' 9"	6' 9"	6' 5"	5' 2"	5' 2"	5' 2"
250S125-27	12	33	15' 7"	12' 4"	10' 10"	12' 9"	10' 10"	9' 5"	11' 0"	9' 10"	8' 7"
	16		13' 6"	11' 3"	9' 10"	11' 0"	9' 10"	8' 7"	9' 7"	8' 11"	7' 10"
	24		11' 0"	9' 10"	8' 7"	9' 0"	8' 7"	7' 6"	7' 10"	7' 10"	6' 10"
250S125-30	12	33	16' 1"	12' 9"	11' 2"	13' 8"	11' 2"	9' 9"	11' 10"	10' 2"	8' 10"
	16		14' 5"	11' 7"	10' 2"	11' 10"	10' 2"	8' 10"	10' 3"	9' 2"	8' 1"
	24		11' 10"	10' 2"	8' 10"	9' 8"	8' 10"	7' 9"	8' 4"	8' 1"	7' 0"
250S125-33	12	33	16' 7"	13' 2"	11' 6"	14' 6"	11' 6"	10' 1"	12' 8"	10' 6"	9' 2"
	16		15' 1"	12' 0"	10' 6"	12' 8"	10' 6"	9' 2"	11' 0"	9' 6"	8' 4"
	24		12' 8"	10' 6"	9' 2"	10' 4"	9' 2"	8' 0"	9' 0"	8' 4"	7' 3"
250S125-43	12	33	18' 1"	14' 4"	12' 6"	15' 10"	12' 6"	10' 11"	14' 4"	11' 5"	9' 11"
	16		16' 5"	13' 0"	11' 5"	14' 4"	11' 5"	9' 11"	13' 0"	10' 4"	9' 1"
	24		14' 4"	11' 5"	9' 11"	12' 4"	9' 11"	8' 8"	10' 8"	9' 1"	7' 11"
250S125-54	12	33	19' 4"	15' 4"	13' 5"	16' 11"	13' 5"	11' 9"	15' 4"	12' 2"	10' 8"
	16		17' 7"	14' 0"	12' 2"	15' 4"	12' 2"	10' 8"	14' 0"	11' 1"	9' 8"
	24		15' 4"	12' 2"	10' 8"	13' 5"	10' 8"	9' 4"	12' 2"	9' 8"	8' 6"
250S125-54	12	50	19' 4"	15' 4"	13' 5"	16' 10"	13' 5"	11' 8"	15' 4"	12' 2"	10' 8"
	16		17' 7"	13' 11"	12' 2"	15' 4"	12' 2"	10' 8"	13' 11"	11' 1"	9' 8"
	24		15' 4"	12' 2"	10' 8"	13' 5"	10' 8"	9' 3"	12' 2"	9' 8"	8' 5"
250S125-68	12	33	20' 7"	16' 4"	14' 4"	18' 0"	14' 4"	12' 6"	16' 4"	13' 0"	11' 4"
	16		18' 9"	14' 10"	13' 0"	16' 4"	13' 0"	11' 4"	14' 10"	11' 10"	10' 4"
	24		16' 4"	13' 0"	11' 4"	14' 4"	11' 4"	9' 11"	13' 0"	10' 4"	9' 0"
250S125-68	12	50	20' 7"	16' 4"	14' 4"	18' 0"	14' 4"	12' 6"	16' 4"	13' 0"	11' 4"
	16		18' 9"	14' 10"	13' 0"	16' 4"	13' 0"	11' 4"	14' 10"	11' 10"	10' 4"
	24		16' 4"	13' 0"	11' 4"	14' 4"	11' 4"	9' 11"	13' 0"	10' 4"	9' 0"
350S125-18	12	33	13' 9"	13' 9"	12' 0"	11' 3"	11' 3"	10' 6"	9' 9"	9' 9"	9' 6"
	16		11' 11"	11' 11"	10' 11"	9' 9"	9' 9"	9' 6"	7' 4"	7' 4"	7' 4"
	24		9' 9"	9' 9"	9' 6"	6' 6"	6' 6"	6' 6"	4' 11"	4' 11"	4' 11"
350S125-27	12	33	18' 6"	16' 0"	14' 0"	15' 1"	14' 0"	12' 3"	13' 1"	12' 9"	11' 1"
	16		16' 0"	14' 7"	12' 9"	13' 1"	12' 9"	11' 4"	11' 4"	11' 4"	10' 1"
	24		13' 1"	12' 9"	11' 1"	10' 8"	10' 8"	9' 8"	9' 3"	9' 3"	8' 10"
350S125-30	12	33	19' 11"	16' 7"	14' 5"	16' 3"	14' 5"	12' 8"	14' 1"	13' 2"	11' 6"
	16		17' 3"	15' 0"	13' 2"	14' 1"	13' 2"	11' 6"	12' 2"	11' 11"	10' 5"
	24		14' 1"	13' 2"	11' 6"	11' 6"	11' 6"	10' 0"	9' 11"	9' 11"	9' 1"

See Interior Non-Structural Non-Composite Table Notes

Limiting Wall Heights - Non-Composite



Interior Non-Structural Non-Composite

Stud Member	Spacing in, oc	Fy, ksi	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
350S125-33	12	33	21' 6"	17' 1"	14' 11"	17' 6"	14' 11"	13' 1"	15' 2"	13' 7"	11' 10"
	16		18' 7"	15' 7"	13' 7"	15' 2"	13' 7"	11' 10"	13' 2"	12' 4"	10' 9"
	24		15' 2"	13' 7"	11' 10"	12' 5"	11' 10"	10' 4"	10' 9"	10' 9"	9' 5"
350S125-43	12	33	23' 6"	18' 8"	16' 3"	20' 6"	16' 3"	14' 3"	18' 5"	14' 9"	12' 11"
	16		21' 4"	16' 11"	14' 9"	18' 5"	14' 9"	12' 11"	16' 0"	13' 5"	11' 9"
	24		18' 5"	14' 9"	12' 11"	15' 1"	12' 11"	11' 3"	13' 0"	11' 9"	10' 3"
350S125-54	12	33	25' 2"	20' 0"	17' 5"	22' 0"	17' 5"	15' 3"	20' 0"	15' 10"	13' 10"
	16		22' 10"	18' 2"	15' 10"	20' 0"	15' 10"	13' 10"	18' 0"	14' 5"	12' 7"
	24		20' 0"	15' 10"	13' 10"	17' 0"	13' 10"	12' 1"	14' 8"	12' 7"	11' 0"
350S125-54	12	50	25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
	16		22' 10"	18' 1"	15' 10"	19' 11"	15' 10"	13' 10"	18' 1"	14' 4"	12' 7"
	24		19' 11"	15' 10"	13' 10"	17' 5"	13' 10"	12' 1"	15' 10"	12' 7"	11' 0"
350S125-68	12	33	26' 10"	21' 4"	18' 8"	23' 6"	18' 8"	16' 3"	21' 4"	16' 11"	14' 9"
	16		24' 5"	19' 4"	16' 11"	21' 4"	16' 11"	14' 9"	19' 4"	15' 5"	13' 5"
	24		21' 4"	16' 11"	14' 9"	18' 8"	14' 9"	12' 11"	16' 11"	13' 5"	11' 9"
350S125-68	12	50	26' 10"	21' 4"	18' 8"	23' 6"	18' 8"	16' 3"	21' 4"	16' 11"	14' 9"
	16		24' 5"	19' 4"	16' 11"	21' 4"	16' 11"	14' 9"	19' 4"	15' 5"	13' 5"
	24		21' 4"	16' 11"	14' 9"	18' 8"	14' 9"	12' 11"	16' 11"	13' 5"	11' 9"
362S125-18	12	33	14' 1"	14' 1"	12' 4"	11' 6"	11' 6"	10' 9"	9' 9"	9' 9"	9' 9"
	16		12' 2"	12' 2"	11' 3"	9' 9"	9' 9"	9' 9"	7' 4"	7' 4"	7' 4"
	24		9' 9"	9' 9"	9' 9"	6' 6"	6' 6"	6' 6"	4' 10"	4' 10"	4' 10"
362S125-27	12	33	18' 11"	16' 5"	14' 5"	15' 5"	14' 5"	12' 7"	13' 4"	13' 1"	11' 5"
	16		16' 4"	14' 11"	13' 1"	13' 4"	13' 1"	11' 5"	11' 7"	11' 7"	10' 4"
	24		13' 4"	13' 1"	11' 5"	10' 11"	10' 11"	10' 0"	9' 5"	9' 5"	9' 1"
362S125-30	12	33	20' 3"	17' 0"	14' 10"	16' 7"	14' 10"	13' 0"	14' 4"	13' 6"	11' 10"
	16		17' 7"	15' 5"	13' 6"	14' 4"	13' 6"	11' 10"	12' 5"	12' 3"	10' 9"
	24		14' 4"	13' 6"	11' 10"	11' 9"	11' 9"	10' 4"	10' 2"	10' 2"	9' 4"
362S125-33	12	33	21' 11"	17' 7"	15' 4"	17' 11"	15' 4"	13' 5"	15' 6"	13' 11"	12' 2"
	16		19' 0"	16' 0"	13' 11"	15' 6"	13' 11"	12' 2"	13' 5"	12' 8"	11' 1"
	24		15' 6"	13' 11"	12' 2"	12' 8"	12' 2"	10' 8"	10' 11"	10' 11"	9' 8"
362S125-43	12	33	24' 2"	19' 2"	16' 9"	21' 1"	16' 9"	14' 7"	18' 10"	15' 2"	13' 3"
	16		21' 11"	17' 5"	15' 2"	18' 10"	15' 2"	13' 3"	16' 4"	13' 10"	12' 1"
	24		18' 10"	15' 2"	13' 3"	15' 4"	13' 3"	11' 7"	13' 4"	12' 1"	10' 6"
362S125-54	12	33	25' 11"	20' 7"	17' 11"	22' 7"	17' 11"	15' 8"	20' 7"	16' 4"	14' 3"
	16		23' 6"	18' 8"	16' 4"	20' 7"	16' 4"	14' 3"	18' 5"	14' 10"	12' 11"
	24		20' 7"	16' 4"	14' 3"	17' 4"	14' 3"	12' 5"	15' 0"	12' 11"	11' 4"
362S125-54	12	50	25' 10"	20' 6"	17' 11"	22' 7"	17' 11"	15' 8"	20' 6"	16' 3"	14' 2"
	16		23' 5"	18' 7"	16' 3"	20' 6"	16' 3"	14' 2"	18' 7"	14' 9"	12' 11"
	24		20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 5"	16' 3"	12' 11"	11' 3"
362S125-68	12	33	27' 7"	21' 11"	19' 2"	24' 2"	19' 2"	16' 9"	21' 11"	17' 5"	15' 2"
	16		25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
	24		21' 11"	17' 5"	15' 2"	19' 2"	15' 2"	13' 3"	16' 11"	13' 10"	12' 1"
362S125-68	12	50	27' 7"	21' 11"	19' 2"	24' 2"	19' 2"	16' 9"	21' 11"	17' 5"	15' 2"
	16		25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
	24		21' 11"	17' 5"	15' 2"	19' 2"	15' 2"	13' 3"	17' 5"	13' 10"	12' 1"
400S125-18	12	33	14' 9"	14' 9"	13' 4"	12' 1"	12' 1"	11' 8"	9' 6"	9' 6"	9' 6"
	16		12' 10"	12' 10"	12' 2"	9' 6"	9' 6"	9' 6"	7' 2"	7' 2"	7' 2"
	24		9' 6"	9' 6"	9' 6"	6' 4"	6' 4"	6' 4"	4' 9"	4' 9"	4' 9"
400S125-27	12	33	19' 11"	17' 9"	15' 6"	16' 3"	15' 6"	13' 7"	14' 1"	14' 1"	12' 4"
	16		17' 3"	16' 2"	14' 1"	14' 1"	14' 1"	12' 4"	12' 2"	12' 2"	11' 2"
	24		14' 1"	14' 1"	12' 4"	11' 6"	11' 6"	10' 9"	10' 0"	10' 0"	9' 9"
400S125-30	12	33	21' 5"	18' 5"	16' 1"	17' 6"	16' 1"	14' 0"	15' 2"	14' 7"	12' 9"
	16		18' 7"	16' 8"	14' 7"	15' 2"	14' 7"	12' 9"	13' 1"	13' 1"	11' 7"
	24		15' 2"	14' 7"	12' 9"	12' 4"	12' 4"	11' 2"	10' 9"	10' 9"	10' 1"
400S125-33	12	33	23' 2"	19' 0"	16' 7"	18' 11"	16' 7"	14' 6"	16' 4"	15' 1"	13' 2"
	16		20' 0"	17' 3"	15' 1"	16' 4"	15' 1"	13' 2"	14' 2"	13' 8"	12' 0"
	24		16' 4"	15' 1"	13' 2"	13' 4"	13' 2"	11' 6"	11' 7"	11' 7"	10' 5"
400S125-43	12	33	26' 1"	20' 8"	18' 1"	22' 9"	18' 1"	15' 10"	19' 11"	16' 5"	14' 4"
	16		23' 8"	18' 10"	16' 5"	19' 11"	16' 5"	14' 4"	17' 3"	14' 11"	13' 0"
	24		19' 11"	16' 5"	14' 4"	16' 3"	14' 4"	12' 6"	14' 1"	13' 0"	11' 5"

See Interior Non-Structural Non-Composite Table Notes

Limiting Wall Heights - Non-Composite



Interior Non-Structural Non-Composite

Stud Member	Spacing in, oc	Fy, ksi	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
400S125-54	12	33	28' 0"	22' 3"	19' 5"	24' 5"	19' 5"	16' 11"	22' 3"	17' 8"	15' 5"
	16		25' 5"	20' 2"	17' 8"	22' 3"	17' 8"	15' 5"	19' 7"	16' 0"	14' 0"
	24		22' 3"	17' 8"	15' 5"	18' 5"	15' 5"	13' 5"	16' 0"	14' 0"	12' 3"
400S125-54	12	50	27' 11"	22' 2"	19' 4"	24' 4"	19' 4"	16' 11"	22' 2"	17' 7"	15' 4"
	16		25' 4"	20' 1"	17' 7"	22' 2"	17' 7"	15' 4"	20' 1"	16' 0"	13' 11"
	24		22' 2"	17' 7"	15' 4"	19' 4"	15' 4"	13' 5"	17' 7"	13' 11"	12' 2"
400S125-68	12	33	29' 11"	23' 9"	20' 9"	26' 1"	20' 9"	18' 1"	23' 9"	18' 10"	16' 5"
	16		27' 2"	21' 7"	18' 10"	23' 9"	18' 10"	16' 5"	21' 7"	17' 1"	14' 11"
	24		23' 9"	18' 10"	16' 5"	20' 9"	16' 5"	14' 4"	18' 0"	14' 11"	13' 1"
400S125-68	12	50	29' 11"	23' 9"	20' 9"	26' 1"	20' 9"	18' 1"	23' 9"	18' 10"	16' 5"
	16		27' 2"	21' 7"	18' 10"	23' 9"	18' 10"	16' 5"	21' 7"	17' 1"	14' 11"
	24		23' 9"	18' 10"	16' 5"	20' 9"	16' 5"	14' 4"	18' 10"	14' 11"	13' 1"
550S125-18	12	33	17' 6"	17' 6"	16' 9"	11' 10"	11' 10"	11' 10"	8' 10"	8' 10"	8' 10"
	16		13' 3"	13' 3"	13' 3"	8' 10"	8' 10"	8' 10"	6' 8"	6' 8"	6' 8"
	24		8' 10"	8' 10"	8' 10"	5' 11"	5' 11"	5' 11"	4' 5"	4' 5"	4' 5"
550S125-27	12	33	23' 10"	22' 9"	19' 10"	19' 6"	19' 6"	17' 4"	16' 11"	16' 11"	15' 9"
	16		20' 8"	20' 8"	18' 1"	16' 11"	16' 11"	15' 9"	14' 7"	14' 7"	14' 4"
	24		16' 11"	16' 11"	15' 9"	13' 9"	13' 9"	13' 9"	10' 4"	10' 4"	10' 4"
550S125-30	12	33	25' 8"	23' 7"	20' 7"	21' 0"	20' 7"	18' 0"	18' 2"	18' 2"	16' 4"
	16		22' 3"	21' 5"	18' 8"	18' 2"	18' 2"	16' 4"	15' 9"	15' 9"	14' 10"
	24		18' 2"	18' 2"	16' 4"	14' 10"	14' 10"	14' 3"	12' 7"	12' 7"	12' 7"
550S125-33	12	33	27' 9"	24' 5"	21' 4"	22' 8"	21' 4"	18' 8"	19' 8"	19' 5"	16' 11"
	16		24' 1"	22' 2"	19' 5"	19' 8"	19' 5"	16' 11"	17' 0"	17' 0"	15' 5"
	24		19' 8"	19' 5"	16' 11"	16' 1"	16' 1"	14' 10"	13' 11"	13' 11"	13' 5"
550S125-43	12	33	33' 8"	26' 9"	23' 4"	27' 8"	23' 4"	20' 5"	24' 0"	21' 3"	18' 6"
	16		29' 4"	24' 4"	21' 3"	24' 0"	21' 3"	18' 6"	20' 9"	19' 3"	16' 10"
	24		24' 0"	21' 3"	18' 6"	19' 7"	18' 6"	16' 2"	16' 11"	16' 10"	14' 9"
550S125-54	12	33	36' 2"	28' 9"	25' 1"	31' 7"	25' 1"	21' 11"	28' 3"	22' 9"	19' 11"
	16		32' 10"	26' 1"	22' 9"	28' 3"	22' 9"	19' 11"	24' 5"	20' 8"	18' 1"
	24		28' 3"	22' 9"	19' 11"	23' 0"	19' 11"	17' 5"	19' 11"	18' 1"	15' 10"
550S125-54	12	50	36' 1"	28' 8"	25' 0"	31' 6"	25' 0"	21' 10"	28' 8"	22' 9"	19' 10"
	16		32' 9"	26' 0"	22' 9"	28' 8"	22' 9"	19' 10"	26' 0"	20' 8"	18' 0"
	24		28' 8"	22' 9"	19' 10"	25' 0"	19' 10"	17' 4"	22' 9"	18' 0"	15' 9"
550S125-68	12	33	38' 8"	30' 9"	26' 10"	33' 10"	26' 10"	23' 5"	30' 9"	24' 5"	21' 4"
	16		35' 2"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 4"
	24		30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 7"	24' 5"	19' 4"	16' 11"
550S125-68	12	50	38' 8"	30' 9"	26' 10"	33' 10"	26' 10"	23' 5"	30' 9"	24' 5"	21' 4"
	16		35' 2"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 4"
	24		30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 7"	24' 5"	19' 4"	16' 11"
600S125-18	12	33	17' 4"	17' 4"	17' 4"	11' 6"	11' 6"	11' 6"	8' 8"	8' 8"	8' 8"
	16		13' 0"	13' 0"	13' 0"	8' 8"	8' 8"	8' 8"	6' 6"	6' 6"	6' 6"
	24		8' 8"	8' 8"	8' 8"	5' 9"	5' 9"	5' 9"	4' 4"	4' 4"	4' 4"
600S125-27	12	33	24' 11"	24' 4"	21' 3"	20' 4"	20' 4"	18' 7"	17' 7"	17' 7"	16' 10"
	16		21' 7"	21' 7"	19' 4"	17' 7"	17' 7"	16' 10"	15' 3"	15' 3"	15' 3"
	24		17' 7"	17' 7"	16' 10"	13' 7"	13' 7"	13' 7"	10' 2"	10' 2"	10' 2"
600S125-30	12	33	26' 10"	25' 2"	22' 0"	21' 11"	21' 11"	19' 3"	19' 0"	19' 0"	17' 6"
	16		23' 3"	22' 11"	20' 0"	19' 0"	19' 0"	17' 6"	16' 5"	16' 5"	15' 10"
	24		19' 0"	19' 0"	17' 6"	15' 6"	15' 6"	15' 3"	12' 5"	12' 5"	12' 5"
600S125-33	12	33	29' 0"	26' 2"	22' 10"	23' 9"	22' 10"	19' 11"	20' 6"	20' 6"	18' 1"
	16		25' 2"	23' 9"	20' 9"	20' 6"	20' 6"	18' 1"	17' 9"	17' 9"	16' 6"
	24		20' 6"	20' 6"	18' 1"	16' 9"	16' 9"	15' 10"	14' 6"	14' 6"	14' 5"
600S125-43	12	33	35' 6"	28' 9"	25' 1"	29' 0"	25' 1"	21' 11"	25' 2"	22' 10"	19' 11"
	16		30' 9"	26' 1"	22' 10"	25' 2"	22' 10"	19' 11"	21' 9"	20' 9"	18' 1"
	24		25' 2"	22' 10"	19' 11"	20' 6"	19' 11"	17' 5"	17' 9"	17' 9"	15' 10"

See Interior Non-Structural Non-Composite Table Notes

Limiting Wall Heights - Non-Composite



Interior Non-Structural Non-Composite											
Stud Member	Spacing in, oc	Fy, ksi	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
600S125-54	12	33	38' 10"	30' 10"	26' 11"	33' 11"	26' 11"	23' 6"	29' 8"	24' 6"	21' 5"
	16		35' 4"	28' 0"	24' 6"	29' 8"	24' 6"	21' 5"	25' 8"	22' 3"	19' 5"
	24		29' 8"	24' 6"	21' 5"	24' 3"	21' 5"	18' 8"	21' 0"	19' 5"	17' 0"
600S125-54	12	50	38' 9"	30' 9"	26' 10"	33' 10"	26' 10"	23' 6"	30' 9"	24' 5"	21' 4"
	16		35' 3"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 5"
	24		30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 8"	24' 1"	19' 5"	16' 11"
600S125-68	12	33	41' 7"	33' 0"	28' 10"	36' 4"	28' 10"	25' 2"	33' 0"	26' 2"	22' 11"
	16		37' 9"	30' 0"	26' 2"	33' 0"	26' 2"	22' 11"	30' 0"	23' 10"	20' 9"
	24		33' 0"	26' 2"	22' 11"	28' 10"	22' 11"	20' 0"	26' 2"	20' 9"	18' 2"
600S125-68	12	50	41' 7"	33' 0"	28' 10"	36' 4"	28' 10"	25' 2"	33' 0"	26' 2"	22' 11"
	16		37' 9"	30' 0"	26' 2"	33' 0"	26' 2"	22' 11"	30' 0"	23' 10"	20' 9"
	24		33' 0"	26' 2"	22' 11"	28' 10"	22' 11"	20' 0"	26' 2"	20' 9"	18' 2"
800S125-33	12	33	33' 1"	32' 8"	28' 6"	27' 0"	27' 0"	24' 11"	23' 5"	23' 5"	22' 8"
	16		28' 8"	28' 8"	25' 11"	23' 5"	23' 5"	22' 8"	20' 3"	20' 3"	20' 3"
	24		23' 5"	23' 5"	22' 8"	19' 1"	19' 1"	19' 1"	14' 5"	14' 5"	14' 5"
800S125-43	12	33	40' 11"	36' 1"	31' 6"	33' 5"	31' 6"	27' 6"	28' 11"	28' 8"	25' 0"
	16		35' 6"	32' 9"	28' 8"	28' 11"	28' 8"	25' 0"	25' 1"	25' 1"	22' 9"
	24		28' 11"	28' 8"	25' 0"	23' 8"	23' 8"	21' 10"	20' 6"	20' 6"	19' 10"
800S125-54	12	33	48' 10"	39' 1"	34' 2"	39' 11"	34' 2"	29' 10"	34' 6"	31' 1"	27' 2"
	16		42' 4"	35' 7"	31' 1"	34' 6"	31' 1"	27' 2"	29' 11"	28' 3"	24' 8"
	24		34' 6"	31' 1"	27' 2"	28' 2"	27' 2"	23' 8"	24' 5"	24' 5"	21' 6"
800S125-54	12	50	48' 10"	38' 9"	33' 10"	42' 8"	33' 10"	29' 7"	38' 9"	30' 9"	26' 10"
	16		44' 4"	35' 2"	30' 9"	38' 9"	30' 9"	26' 10"	34' 1"	27' 11"	24' 5"
	24		38' 9"	30' 9"	26' 10"	32' 1"	26' 10"	23' 6"	27' 10"	24' 5"	21' 4"
800S125-68	12	33	52' 11"	42' 0"	36' 8"	46' 3"	36' 8"	32' 1"	41' 0"	33' 4"	29' 2"
	16		48' 1"	38' 2"	33' 4"	41' 0"	33' 4"	29' 2"	35' 6"	30' 4"	26' 6"
	24		41' 0"	33' 4"	29' 2"	33' 6"	29' 2"	25' 5"	29' 0"	26' 6"	23' 1"
800S125-68	12	50	52' 11"	42' 0"	36' 8"	46' 2"	36' 8"	32' 0"	42' 0"	33' 4"	29' 1"
	16		48' 1"	38' 2"	33' 4"	42' 0"	33' 4"	29' 1"	38' 2"	30' 3"	26' 5"
	24		42' 0"	33' 4"	29' 1"	36' 8"	29' 1"	25' 5"	33' 4"	26' 5"	23' 1"

See Interior Non-Structural Non-Composite Table Notes

Limiting Wall Heights - Composite



Interior Non-Structural Composite Table Notes

1. Allowable composite limiting heights are calculated using ICC-ES AC86-2012.
2. Minimum safety factor for strength = 1.508 for 5 to 10 psf, and 2.327 for 15 psf.
3. Single layer of 5/8-in. Type X gypsum board, both sides
4. The gypsum board must be applied full height to each stud flange and installed using minimum No. 6 Type S Drywall screws spaced a maximum of 12 in. on-center for studs at 24-in spacing, and 16 in. on-center for studs at 16 and 12 in. spacing.
5. No fasteners are required for attaching the stud to the track.
6. Stud end bearing must be a minimum of 1 inch.
7. Minimum material yield strength equals 33 ksi.
8. 'f' adjacent to the height value indicates that flexural stress controls the allowable wall height.

Interior Non-Structural Composite														
Stud Member	Spacing (in, o.c.)	Fy, ksi	5 psf			7.5 psf			10 psf			15 psf		
			L/120	L/240	L/360									
162S125-18	12	33	13' 0"	11' 1"	9' 10"	10' 8"	9' 8"	8' 7"	9' 3"	8' 9"	7' 9"			
	16		11' 3"	10' 1"	8' 11"	9' 3"	8' 9"	7' 9"	8' 0"	7' 11"				
	24		9' 3"	8' 9"	7' 9"									
162S125-27	12	33	14' 9"	11' 8"	10' 2"	12' 10"	10' 2"	8' 7"	11' 8"	9' 1"	7' 6"	8' 6"		
	16		13' 4"	10' 7"	9' 4"	11' 8"	9' 1"	7' 6"	10' 7"	7' 11"				
	24		11' 8"	9' 1"		10' 2"			9' 1"					
162S125-30	12	33	14' 11"	11' 10"	10' 4"	13' 1"	10' 4"	8' 11"	11' 10"	9' 4"	7' 11"	9' 10"	7' 11"	
	16		13' 7"	10' 9"	9' 4"	11' 10"	9' 4"	7' 11"	10' 9"	8' 3"		8' 6"		
	24		11' 10"	9' 4"	7' 11"	10' 4"	7' 11"		9' 4"					
250S125-18	12	33	16' 4"	14' 2"	12' 9"	13' 4"	12' 4"	11' 2"	11' 7"	11' 3"	10' 2"			
	16		14' 2"	12' 10"	11' 7"	11' 7"	11' 3"	10' 2"	10' 0"	10' 0"	9' 0"			
	24		11' 7"	11' 3"	10' 2"	9' 5"	9' 5"	8' 6"	8' 2"	8' 2"				
250S125-27	12	33	18' 7"	15' 4"	13' 9"	16' 3"	13' 5"	11' 12"	14' 9"	12' 2"	10' 11"	10' 6"	10' 4"	
	16		16' 10"	13' 11"	12' 5"	14' 9"	12' 2"	10' 11"	13' 5"	11' 1"	9' 11"	9' 1"	8' 1"	
	24		14' 9"	12' 2"	10' 11"	12' 11"	10' 8"	9' 4"	11' 3"	9' 8"	8' 1"			
250S125-30	12	33	18' 5"	15' 10"	14' 1"	16' 1"	13' 10"	12' 4"	14' 7"	12' 7"	11' 2"	11' 0"	11' 0"	9' 9"
	16		16' 9"	14' 5"	12' 10"	14' 7"	12' 7"	11' 2"	13' 3"	11' 5"	10' 2"	9' 6"	9' 6"	8' 8"
	24		14' 7"	12' 7"	11' 2"	12' 9"	11' 0"	9' 9"	11' 7"	10' 0"	8' 8"	7' 9"	7' 9"	
250S125-33	12	33	19' 8"	15' 8"	13' 8"	17' 3"	13' 8"	11' 11"	15' 8"	12' 5"	10' 10"	11' 5"	10' 10"	9' 5"
	16		17' 11"	14' 3"	12' 5"	15' 8"	12' 5"	10' 10"	14' 3"	11' 3"	9' 10"	9' 11"	9' 10"	8' 4"
	24		15' 8"	12' 5"	10' 10"	13' 8"	10' 10"	9' 5"	12' 4"	9' 10"	8' 4"	8' 4"	8' 1"	
350S125-18	12	33	18' 3"	16' 4"	14' 4"	14' 11"	14' 4"	12' 6"	12' 11"	12' 11"	11' 4"	8' 5"	8' 5"	8' 5"
	16		15' 10"	14' 10"	13' 0"	12' 11"	12' 11"	11' 4"	11' 2"	11' 2"	10' 3"			
	24		12' 11"	12' 11"	11' 4"	10' 7"	10' 7"	9' 11"	9' 2"	9' 2"	9' 10"			
350S125-27	12	33	22' 6"	17' 11"	15' 7"	19' 8"	15' 7"	13' 8"	17' 11"	14' 2"	12' 4"	12' 0"	12' 0"	10' 8"
	16		20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 4"	15' 10"	12' 11"	11' 2"	10' 5"	10' 5"	
	24		17' 11"	14' 2"	12' 4"	14' 11"	12' 4"	10' 8"	12' 11"	11' 2"				
350S125-30	12	33	22' 6"	17' 11"	15' 8"	19' 8"	15' 8"	13' 8"	17' 11"	14' 2"	12' 4"	12' 10"	12' 4"	10' 7"
	16		20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 4"	16' 3"	12' 11"	11' 1"	11' 1"	11' 1"	
	24		17' 11"	14' 2"	12' 4"	15' 8"	12' 4"	10' 7"	13' 9"	11' 1"				
350S125-33	12	33	23' 0"	18' 3"	15' 1"	20' 1"	15' 11"	13' 11"	18' 3"	14' 2"	12' 8"	13' 3"	12' 8"	10' 10"
	16		20' 11"	16' 7"	14' 6"	18' 3"	14' 6"	12' 8"	16' 7"	13' 2"	11' 4"	11' 6"	11' 4"	9' 8"
	24		18' 3"	14' 6"	12' 8"	15' 11"	12' 8"	10' 10"	14' 4"	11' 4"	9' 8"			
362S125-18	12	33	18' 8"	16' 8"	14' 7"	15' 3"	14' 7"	12' 9"	13' 2"	13' 2"	11' 6"	8' 8"	8' 8"	8' 8"
	16		16' 2"	15' 2"	13' 3"	13' 2"	13' 2"	11' 6"	11' 5"	11' 5"	10' 4"			
	24		13' 2"	13' 2"	11' 6"	10' 9"	10' 9"	9' 11"	9' 4"	9' 4"	8' 11"			
362S125-27	12	33	22' 10"	18' 2"	15' 10"	19' 11"	15' 10"	13' 10"	18' 2"	14' 5"	12' 6"	12' 0"	12' 0"	10' 7"
	16		20' 9"	16' 6"	14' 5"	18' 2"	14' 5"	12' 6"	15' 9"	13' 1"	11' 1"	10' 5"	10' 5"	
	24		18' 2"	14' 5"	12' 6"	14' 11"	12' 6"	10' 7"	12' 11"	11' 11"				
362S125-30	12	33	22' 10"	18' 3"	16' 4"	19' 11"	16' 0"	14' 3"	18' 1"	14' 6"	12' 11"	12' 8"	12' 8"	10' 11"
	16		20' 8"	16' 7"	14' 10"	18' 1"	14' 6"	12' 11"	16' 5"	13' 2"	11' 6"	11' 0"	11' 0"	
	24		18' 1"	14' 6"	12' 11"	15' 9"	12' 8"	10' 11"	13' 9"	11' 4"				
362S125-33	12	33	24' 2"	19' 2"	16' 9"	21' 1"	16' 9"	14' 8"	19' 2"	15' 3"	13' 4"	13' 5"	13' 4"	11' 4"
	16		21' 11"	17' 5"	15' 3"	19' 2"	15' 3"	13' 4"	17' 5"	13' 10"	11' 11"	11' 8"	11' 8"	10' 1"
	24		19' 2"	15' 3"	13' 4"	16' 8"	13' 4"	11' 4"	14' 5"	11' 11"	10' 1"			

See Interior Non-Structural Composite Table Notes

Limiting Wall Heights - Composite



Interior Non-Structural Composite

Stud Member	Spacing (in, o.c.)	Fy, ksi	5 psf			7.5 psf			10 psf			15 psf			
			L/120	L/240	L/360										
400S125-18	12	33	19' 3"	17' 6"	15' 4"	15' 9"	15' 4"	13' 4"	13' 8"	13' 8"	12' 2"	8' 11"	8' 11"	8' 11"	
	16		16' 8"	15' 11"	13' 11"	13' 8"	13' 8"	12' 2"	10' 10"	11' 10"	11' 0"	7' 9"	7' 9"	7' 9"	
	24		13' 8"	13' 8"	12' 2"	11' 2"	11' 2"	10' 7"	9' 8"	9' 8"	9' 7"				
400S125-27	12	33	24' 6"	19' 5"	17' 0"	21' 5"	17' 0"	14' 10"	18' 8"	15' 5"	13' 6"	12' 3"	12' 3"	11' 8"	
	16		22' 3"	17' 8"	15' 5"	18' 8"	15' 5"	13' 6"	16' 2"	14' 0"	12' 2"	10' 8"	10' 8"	10' 6"	
	24		18' 8"	15' 5"	13' 6"	15' 3"	13' 6"	11' 8"	13' 3"	12' 2"	10' 6"				
400S125-30	12	33	24' 6"	19' 5"	17' 0"	21' 5"	17' 0"	14' 10"	19' 5"	15' 5"	13' 6"	13' 2"	13' 2"	11' 7"	
	16		22' 3"	17' 8"	15' 5"	19' 5"	15' 5"	13' 6"	17' 5"	14' 0"	12' 2"	11' 5"	11' 5"	10' 4"	
	24		19' 5"	15' 5"	13' 6"	16' 5"	13' 6"	11' 7"	14' 2"	12' 2"	10' 4"				
400S125-33	12	33	25' 3"	20' 1"	17' 6"	22' 1"	17' 6"	15' 4"	20' 1"	15' 11"	13' 11"	13' 11"	13' 11"	13' 11"	12' 0"
	16		22' 11"	18' 3"	15' 11"	20' 1"	15' 11"	13' 11"	18' 3"	14' 5"	12' 7"	12' 1"	12' 1"	10' 9"	
	24		19' 11"	15' 10"	13' 10"	17' 5"	13' 10"	12' 1"	18' 5"	18' 5"	18' 5"	15' 10"	12' 7"		
550S125-18	12	33	21' 11"	21' 11"	19' 6"	17' 10"	17' 10"	17' 0"	15' 6"	15' 6"	15' 6"				
	16		19' 0"	19' 0"	17' 9"	15' 6"	15' 6"	15' 6"	13' 5"	13' 5"	13' 5"				
	24		15' 6"	15' 6"	15' 6"	12' 8"	12' 8"	12' 8"							
550S125-27	12	33	30' 4"	24' 8"	21' 10"	26' 9"	21' 10"	19' 4"	23' 2"	20' 0"	17' 8"				
	16		27' 11"	22' 8"	20' 0"	23' 2"	20' 0"	17' 8"	20' 1"	18' 4"	16' 0"				
	24		23' 2"	20' 0"	17' 8"	18' 11"	17' 8"	15' 5"	16' 5"	16' 0"					
550S125-30	12	33	30' 5"	24' 10"	22' 0"	27' 0"	22' 6"	19' 5"	24' 10"	20' 2"	17' 10"	16' 4"	16' 4"	15' 7"	
	16		28' 0"	22' 9"	20' 2"	24' 10"	20' 2"	17' 10"	21' 7"	18' 6"	16' 2"				
	24		24' 10"	20' 2"	17' 10"	20' 4"	17' 10"	15' 7"	17' 7"	16' 2"					
600S125-18	12	33	23' 2"	22' 9"	19' 11"	18' 11"	18' 11"	17' 5"	16' 4"	16' 4"	16' 4"				
	16		20' 1"	20' 1"	18' 1"	16' 4"	16' 4"	15' 10"	14' 2"	14' 2"	14' 2"				
	24		16' 4"	16' 4"	15' 10"	13' 4"	13' 4"	13' 4"							
600S125-27	12	33	32' 5"	26' 9"	23' 5"	26' 5"	23' 5"	20' 5"	22' 11"	21' 3"	18' 7"	19' 10"	19' 4"	16' 10"	
	16		28' 1"	24' 4"	21' 3"	22' 11"	21' 3"	18' 7"	18' 7"	16' 1"	16' 2"				
	24		22' 11"	21' 3"	18' 7"	18' 8"	18' 7"	16' 1"	16' 2"						
600S125-30	12	33	34' 2"	27' 1"	23' 8"	28' 11"	23' 8"	20' 8"	25' 0"	21' 6"	18' 9"	21' 8"	19' 6"	17' 1"	
	16		30' 8"	24' 7"	21' 6"	25' 0"	21' 6"	18' 9"	21' 8"	19' 6"	17' 1"				
	24		25' 0"	21' 6"	18' 9"	20' 5"	18' 9"	16' 5"	17' 8"	17' 1"					
600S125-33	12	33	35' 4"	28' 1"	24' 6"	30' 10"	24' 6"	21' 5"	27' 10"	22' 3"	19' 5"	24' 1"	20' 3"	17' 8"	18' 4"
	16		32' 1"	25' 6"	22' 3"	27' 10"	22' 3"	19' 5"	24' 1"	19' 8"	17' 8"	15' 10"	18' 4"	16' 11"	
	24		27' 10"	22' 3"	19' 5"	22' 9"	19' 5"	16' 11"	19' 8"	17' 8"					

See Interior Non-Structural Composite Table Notes

Wall Height Table Notes

1. Lateral loads have not been modified for strength checks: full loads are applied.
2. Calculated properties are based on AISI S100-12, North American Specification for Cold-Formed Steel Structural Members.
3. The 5 psf live load has not been reduced for deflection checks. For 15 psf or higher wind pressure, read the note below.

IBC 2012/ASCE 7-10: Due to the change in the model building codes, design wind pressures determined using IBC 2012/ASCE 7-10 are strength level loads (LRFD) in comparison to those determined in earlier IBC codes which were service level loads (ASD). The load/span tables that follow are based on service level (ASD) wind loads. Therefore, to properly use the load/span tables in this catalog, multiply the IBC 2012/ASCE 7-10 design wind pressures by 0.6 (Reference section 2.4 ASCE 7-10) prior to entering the load/span tables.

- Example:

- * ASCE 7-10 Calculated Design Wind Pressure = 25 psf (Strength level loads, LRFD)
- * Convert to service level loads (ASD) = $25 \text{ psf} \times 0.6 = 15 \text{ psf}$
- * Use 10 pfs as the Pressure Value used in this Table to determine the member span

Any Other Building Code: The load/span tables that follow are based on service level (ASD) wind loads. If the wind load being used meets this criterion, it does not need to be modified prior to using the tables.

3. 15 psf and higher wind pressures have been multiplied by 0.7 for deflection determination, in accordance with footnote f of IBC table 1604.3. The 5 psf live load has not been reduced for deflection checks.
4. Limiting heights are based on continuous support of each flange over the full length of the stud.
5. Limiting heights are based on steel properties alone (non-composite).
6. Web crippling checks are based on end-one flange loading condition using 1-inch end bearing.
7. End shear and web crippling capacity have not been reduced for punchouts. Punchouts are assumed to be atleast 10-inchs from the end of members, in accordance with ASTM C955, section 4.6.
8. Where limiting heights are followed by "e", web stiffeners are required.

Limiting Wall Heights - Curtain Wall 1-span



Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 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										
400S200-97	12	50	38' 5"	30' 6"	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' 11"	15' 8"	13' 3"	17' 2"	15' 0"	12' 8"	
400S200-97	16	50	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"	16' 4"	14' 3"	12' 0"	15' 7"	13' 7"	11' 6"	
400S200-97	24	50	30' 6"	24' 2"	21' 1"	18' 11"	16' 6"	13' 11"	17' 2"	15' 0"	12' 8"	15' 11"	13' 11"	11' 9"	15' 0"	13' 1"	11' 0"	14' 3"	12' 5"	10' 6"	13' 7"	11' 11"	10' 0"	
400S250-33	12	33	28' 9"	22' 10"	19' 11"	17' 10"	15' 7"	13' 1"	15' 5"	14' 2"	11' 11"	13' 4"	12' 10"	10' 10"	11' 11"	11' 11"	10' 11"	10' 11"	10' 11"	9' 6"	10' 11"	10' 11"	9' 6"	
400S250-33	16	33	26' 1"	20' 9"	18' 1"	15' 5"	14' 2"	11' 11"	13' 4"	12' 10"	10' 10"	11' 11"	11' 11"	10' 11"	10' 11"	10' 11"	9' 6"	10' 11"	10' 11"	9' 0"	10' 11"	10' 11"	9' 0"	
400S250-33	24	33	21' 10"	18' 1"	15' 10"	12' 7"	12' 4"	10' 5"	10' 11"	10' 11"	9' 6"	9' 9"	9' 9"	8' 9"	8' 11"	8' 11"	8' 3"	8' 3"	8' 3"	7' 10"	7' 9"	7' 9"	7' 6"	
400S250-43	12	33	31' 9"	25' 3"	22' 0"	19' 8"	17' 2"	14' 6"	17' 11"	15' 8"	13' 2"	16' 6"	14' 6"	12' 3"	15' 0"	13' 8"	11' 6"	13' 11"	13' 0"	12' 5"	10' 6"	13' 0"	12' 5"	10' 6"
400S250-43	16	33	28' 10"	22' 11"	20' 0"	17' 11"	15' 8"	13' 2"	15' 11"	14' 2"	12' 0"	14' 3"	13' 2"	11' 1"	13' 0"	12' 5"	10' 6"	12' 1"	11' 9"	9' 11"	11' 3"	11' 3"	9' 6"	
400S250-43	24	33	25' 3"	20' 0"	17' 6"	15' 0"	13' 8"	11' 6"	13' 0"	12' 5"	10' 6"	11' 8"	11' 6"	9' 9"	10' 8"	9' 2"	9' 10"	9' 10"	8' 8"	9' 2"	9' 2"	8' 4"	9' 2"	8' 4"
400S250-54	12	33	34' 1"	27' 1"	23' 8"	21' 2"	18' 6"	15' 7"	19' 2"	16' 9"	14' 2"	17' 10"	15' 7"	13' 2"	16' 9"	14' 8"	12' 4"	15' 10"	13' 11"	11' 9"	14' 10"	13' 4"	11' 3"	
400S250-54	16	33	31' 0"	24' 7"	21' 6"	19' 2"	16' 9"	14' 2"	17' 5"	15' 3"	12' 10"	16' 2"	14' 2"	11' 11"	14' 10"	13' 4"	11' 3"	13' 8"	12' 8"	10' 8"	12' 10"	12' 1"	10' 2"	
400S250-54	24	33	27' 1"	21' 6"	18' 9"	16' 9"	14' 8"	12' 4"	14' 10"	13' 4"	11' 3"	13' 3"	12' 4"	10' 5"	12' 1"	11' 8"	9' 10"	11' 2"	11' 1"	9' 4"	10' 6"	10' 6"	8' 11"	
400S250-54	12	50	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' 11"	13' 10"	11' 8"	15' 2"	13' 3"	11' 2"	
400S250-54	16	50	30' 10"	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"	14' 5"	12' 7"	10' 8"	13' 10"	12' 1"	10' 2"	
400S250-54	24	50	27' 0"	21' 5"	18' 8"	16' 9"	14' 7"	12' 4"	15' 2"	13' 3"	11' 2"	14' 1"	12' 4"	10' 5"	13' 3"	11' 7"	9' 9"	12' 7"	11' 0"	9' 3"	12' 1"	10' 6"	8' 11"	
400S250-68	12	33	36' 7"	29' 0"	25' 4"	22' 8"	19' 10"	16' 8"	20' 7"	18' 0"	15' 2"	19' 1"	16' 8"	14' 1"	18' 0"	15' 9"	13' 3"	17' 1"	14' 11"	12' 7"	16' 4"	14' 3"	12' 1"	
400S250-68	16	33	33' 3"	26' 4"	23' 0"	20' 7"	18' 0"	15' 2"	18' 9"	16' 4"	13' 9"	17' 4"	15' 2"	12' 10"	16' 4"	14' 3"	12' 1"	15' 6"	13' 7"	11' 5"	14' 10"	13' 0"	10' 11"	
400S250-68	24	33	29' 0"	23' 0"	20' 1"	18' 0"	15' 9"	13' 3"	16' 4"	14' 3"	12' 11"	15' 2"	13' 3"	11' 2"	14' 3"	12' 6"	10' 6"	13' 3"	11' 10"	10' 0"	12' 5"	11' 4"	9' 7"	
400S250-68	12	50	36' 7"	29' 0"	25' 4"	22' 8"	19' 10"	16' 8"	20' 7"	18' 0"	15' 2"	19' 1"	16' 8"	14' 1"	18' 0"	15' 9"	13' 3"	17' 1"	14' 11"	12' 7"	16' 4"	14' 3"	12' 1"	
400S250-68	16	50	33' 3"	26' 4"	23' 0"	20' 7"	18' 0"	15' 2"	18' 9"	16' 4"	13' 9"	17' 4"	15' 2"	12' 10"	16' 4"	14' 3"	12' 1"	15' 6"	13' 7"	11' 5"	14' 10"	13' 0"	10' 11"	
400S250-68	24	50	29' 0"	23' 0"	20' 1"	18' 0"	15' 9"	13' 3"	16' 4"	14' 3"	12' 11"	15' 2"	13' 3"	11' 2"	14' 3"	12' 6"	10' 6"	13' 3"	11' 10"	10' 0"	12' 5"	11' 4"	9' 7"	
400S250-97	12	33	40' 7"	32' 2"	28' 1"	25' 2"	21' 11"	18' 6"	22' 10"	19' 11"	16' 10"	21' 2"	18' 6"	15' 7"	19' 11"	17' 5"	14' 8"	18' 11"	16' 7"	14' 0"	18' 1"	15' 10"	13' 4"	
400S250-97	16	33	36' 10"	29' 3"	25' 7"	22' 10"	19' 11"	16' 10"	20' 9"	18' 1"	15' 3"	19' 3"	16' 10"	14' 2"	18' 1"	15' 10"	13' 4"	17' 3"	15' 0"	12' 8"	16' 6"	14' 5"	12' 2"	
400S250-97	24	33	32' 2"	25' 7"	22' 4"	19' 11"	17' 5"	14' 8"	18' 1"	15' 10"	13' 4"	16' 10"	14' 8"	12' 5"	15' 10"	13' 10"	11' 8"	15' 0"	13' 2"	11' 1"	14' 5"	12' 7"	10' 7"	
400S250-97	12	50	40' 7"	32' 2"	28' 1"	25' 2"	21' 11"	18' 6"	22' 10"	19' 11"	16' 10"	21' 2"	18' 6"	15' 7"	19' 11"	17' 5"	14' 8"	18' 11"	16' 7"	14' 0"	18' 1"	15' 10"	13' 4"	
400S250-97	16	50	36' 10"	29' 3"	25' 7"	22' 10"	19' 11"	16' 10"	20' 9"	18' 1"	15' 3"	19' 3"	16' 10"	14' 2"	18' 1"	15' 10"	13' 4"	17' 3"	15' 0"	12' 8"	16' 6"	14' 5"	12' 2"	
400S250-97	24	50	32' 2"	25' 7"	22' 4"	19' 11"	17' 5"	14' 8"	18' 1"	15' 10"	13' 4"	16' 10"	14' 8"	12' 5"	15' 10"	13' 10"	11' 8"	15' 0"	13' 2"	11' 1"	14' 5"	12' 7"	10' 7"	
400S300-33	12	33	29' 7"	23' 6"	20' 6"	17' 11"	16' 0"	13' 6"	15' 6"	14' 7"	12' 3"	13' 11"	13' 6"	11' 5"	12' 8"	12' 8"	10' 9"	11' 9"	11' 0"	11' 0"	11' 0"	9' 9"	11' 0"	11' 0"
400S300-33	16	33	26' 11"	21' 4"	18' 8"	15' 6"	14' 7"	12' 3"	13' 5"	13' 3"	11' 2"	12' 0"	12' 0"	10' 4"	11' 0"	11' 0"	10' 2"	10' 2"	9' 3"	9' 6"	9' 6"	8' 10"	9' 6"	8' 10"
400S300-33	24	33	22' 0"	18' 8"	16' 4"	12' 8"	12' 8"	10' 9"	11' 0"	11' 0"	9' 9"	9' 10"	9' 10"	9' 1"	9' 0"	9' 0"	8' 6"	8' 4"	8' 4"	8' 1"	7' 9"	7' 9"	7' 9"	
400S300-43	12	33	32' 10"	26' 1"	22' 10"	20' 4"	17' 10"	15' 0"	18' 5"	16' 2"	13' 8"	16' 5"	15' 0"	12' 8"	15' 0"	14' 2"	11' 11"	13' 11"	13' 5"	10' 9"	12' 10"	10' 10"	10' 10"	
400S300-43	16	33	29' 10"	23' 8"	20' 8"	18' 5"	16' 2"	13' 8"	15' 11"	14' 8"	12' 5"	14' 3"	13' 8"	11' 6"	13' 0"	12' 10"	10' 10"	12' 0"	12' 0"	10' 3"	11' 3"	11' 3"	9' 10"	
400S300-43	24	33	26' 0"	20' 8"	18' 1"	15' 0"	14' 2"	11' 11"	13' 0"	12' 10"	10' 10"	11' 8"	11' 8"	10' 1"	10' 7"	10' 7"	9' 5"	9' 10"	9' 10"	9' 0"	9' 2"	9' 2"	8' 7"	
400S300-54	12	33	35' 7"	28' 3"	24' 8"	22' 1"	19' 3"	16' 3"	20' 0"	17' 6"	14' 9"	18' 7"	16' 3"	13' 8"	17' 3"	15' 3"	12' 11"	16' 0"	14' 6"	12' 3"	15' 0"	13' 11"	11' 9"	
400S300-54	16	33	32' 4"	25' 8"	22' 5"	20' 0"	17' 6"	14' 9"	18' 2"	15' 11"	13' 5"	16' 5"	14' 9"	12' 5"	15' 0"	13' 11"	11' 9"	13' 10"	13' 2"	11' 2"	13' 0"	12' 7"	10' 8"	
400S300-54	24	33	28' 3"	23' 2"	19' 7"	17' 3"	15' 3"	12' 11"	15' 0"	13' 11"	12' 11"	13' 5"	12' 11"	10' 11"	12' 3"	12' 2"	10' 3"	11' 4"	11' 4"	9' 9"	10' 7"	10' 7"	9' 4"	
400S300-54	12	50	34' 10"	27' 8"	24' 2"	21' 7"	18' 10"	15' 11"	19' 7"	17' 2"	14' 5"	18' 3"	15' 11"	13' 5"	17' 2"	15' 0"	12' 8"	16' 3"	14' 3"	12' 0"	15' 7"	13' 7"	11' 6"	
400S300-54	16	50	31' 8"	25' 2"	21' 11"	19' 7"	17' 2"	14' 5"	17' 10"	15' 7"	13' 2"	16' 7"	14' 5"	12' 2"	15' 7"	13' 7"	11' 6"	12' 11"	10' 11"	14' 2"	12' 4"	10' 5"		
400S300-54	24	50	27' 8"	21' 11"	19' 2"	17' 2"	15' 0"	12' 8"	15' 7"	13' 7"	11' 6"	14' 5"	12' 8"	10' 8"	13' 7"	11' 11"	10' 0"	12' 11"	11' 3"	9' 6"	12' 2"	10' 10"	9' 1"	
400S300-68	12	33	38' 3"	30' 5"	26' 6"	23' 9"	20' 9"	17' 6"	21' 7"	18' 10"	15' 11"	20' 0"	17' 6"	14' 9"	18' 10"	16' 5"	13' 10"	17' 11"	15' 7"	13' 2"	17' 1"	14' 11"	12' 7"	
400S300-68	16	33	34' 9"	27' 7"	24' 1"	21' 7"	18' 10"	15' 11"	19' 7"	17' 1"	14' 5"	18' 2"	15' 11"	13' 5"	17' 1"	14' 11"	12' 7"	16' 1"	14' 2"	12' 0"	15' 0"	13' 7"	11' 5"	
400S300-68	24	33	30' 5"	24' 1"	21' 1"	18' 10"	16' 5"	13' 10"	17' 1"	14' 11"	12' 7"	15' 6"												

Limiting Wall Heights - Curtain Wall 1-span



Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 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	L/240	L/360	L/600				
550S162-68	12	50	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"	19' 9"	17' 3"	14' 6"	18' 10"	16' 6"	13' 11"				
550S162-68	16	50	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' 11"	15' 8"	13' 2"	17' 2"	15' 0"	12' 7"				
550S162-68	24	50	33' 6"	26' 7"	23' 3"	20' 9"	18' 2"	15' 3"	28' 11"	25' 3"	21' 4"	26' 4"	23' 0"	19' 5"	24' 5"	21' 4"	18' 0"	23' 0"	20' 1"	16' 11"	21' 10"	19' 1"	16' 1"	20' 11"	18' 3"	15' 5"	
550S162-97	12	33	46' 9"	37' 1"	32' 5"	28' 11"	25' 3"	21' 4"	26' 4"	23' 0"	19' 5"	23' 11"	20' 11"	17' 7"	22' 2"	19' 5"	16' 4"	20' 11"	18' 3"	15' 5"	19' 10"	17' 4"	14' 7"	19' 0"	16' 7"	14' 0"	
550S162-97	16	33	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' 10"	17' 4"	14' 7"	19' 0"	16' 7"	14' 0"	16' 10"	18' 3"	15' 5"	
550S162-97	24	33	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"	17' 4"	15' 2"	12' 9"	16' 7"	14' 6"	12' 3"	16' 10"	18' 3"	15' 5"	
550S162-97	12	50	46' 9"	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"	21' 10"	19' 1"	16' 1"	20' 11"	18' 3"	15' 5"	19' 0"	16' 7"	14' 0"	
550S162-97	16	50	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' 10"	17' 4"	14' 7"	19' 0"	16' 7"	14' 0"	16' 10"	18' 3"	15' 5"	
550S162-97	24	50	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"	17' 4"	15' 2"	12' 9"	16' 7"	14' 6"	12' 3"	16' 10"	18' 3"	15' 5"	
550S200-33	12	33	35' 4"	28' 0"	24' 6"	20' 10"	19' 1"	16' 1"	18' 1"	17' 4"	14' 8"	16' 2"	16' 1"	13' 7"	14' 9"	14' 9"	12' 10"	13' 8"	13' 8"	12' 2"	12' 9"	12' 9"	12' 9"	12' 9"	12' 9"	11' 8" e	
550S200-33	16	33	31' 4"	25' 5"	22' 3"	18' 1"	17' 4"	14' 8"	15' 8"	15' 8"	13' 4"	14' 0"	14' 0"	12' 4"	12' 9"	12' 9"	12' 9"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"	10' 7" e
550S200-33	24	33	25' 7"	22' 3"	19' 5"	14' 9"	14' 9"	12' 10"	12' 9"	12' 9"	11' 8"	11' 5"	11' 5"	10' 10"	10' 5"	10' 5"	10' 2"	9' 8"	9' 8"	9' 8"	9' 0"	9' 0"	9' 0"	9' 0"	9' 0"	9' 0"	9' 0" e
550S200-43	12	33	38' 7"	30' 7"	26' 9"	23' 11"	20' 11"	17' 7"	21' 7"	19' 0"	16' 0"	19' 4"	17' 7"	14' 10"	17' 7"	16' 7"	14' 0"	17' 7"	16' 7"	14' 0"	15' 3"	15' 1" e	12' 8"	15' 3"	15' 1" e	12' 8"	15' 3"
550S200-43	16	33	35' 1"	27' 10"	24' 4"	21' 7"	19' 0"	16' 0"	18' 8"	17' 3"	14' 6"	16' 9"	16' 0"	13' 6"	15' 3"	15' 1" e	12' 8"	14' 2"	14' 2"	12' 1"	13' 3"	13' 3"	13' 3"	13' 3"	13' 3"	11' 6" e	
550S200-43	24	33	30' 6"	24' 4"	21' 3"	17' 7"	16' 7"	14' 0"	15' 3"	15' 1" e	12' 8"	13' 8"	13' 8"	11' 10"	12' 5"	12' 5"	11' 1" e	11' 6"	11' 6"	10' 6"	10' 9"	10' 9"	10' 9"	10' 9"	10' 9"	10' 1" e	
550S200-54	12	33	41' 5"	32' 10"	28' 8"	25' 8"	22' 5"	18' 11"	23' 4"	20' 4"	17' 2"	21' 8"	18' 11"	15' 11"	20' 4"	17' 10"	15' 0"	18' 10"	16' 11"	14' 3"	17' 8"	16' 2"	13' 8"	15' 3"	15' 1" e	12' 8"	
550S200-54	16	33	37' 7"	29' 10"	26' 1"	23' 4"	20' 4"	17' 2"	21' 2"	18' 6"	15' 7"	19' 4"	17' 2"	14' 6"	17' 8"	16' 2"	13' 8"	16' 4"	15' 4"	12' 11"	15' 3"	14' 8"	12' 5"	15' 3"	14' 8"	12' 5"	
550S200-54	24	33	32' 10"	26' 1"	22' 9"	20' 4"	17' 10"	15' 0"	17' 8"	16' 2"	13' 8"	15' 9"	15' 0"	12' 8"	14' 5"	14' 1" e	11' 11"	13' 4"	11' 4"	12' 6"	12' 6"	10' 10"	10' 9"	10' 9"	10' 9"	10' 9"	10' 9" e
550S200-54	12	50	41' 5"	32' 10"	28' 8"	25' 8"	22' 5"	18' 11"	23' 4"	20' 4"	17' 2"	21' 8"	18' 11"	15' 11"	20' 4"	17' 10"	15' 0"	19' 4"	16' 11"	14' 3"	18' 6"	16' 2"	13' 8"	15' 5"	15' 1" e	12' 8"	
550S200-54	16	50	37' 7"	29' 10"	26' 1"	23' 4"	20' 4"	17' 2"	21' 2"	18' 6"	15' 7"	19' 8"	17' 2"	14' 6"	18' 6"	16' 2"	13' 8"	17' 7"	15' 4"	12' 11"	16' 10"	14' 8"	12' 5"	16' 10"	14' 8"	12' 5"	
550S200-54	24	50	32' 10"	26' 1"	22' 9"	20' 4"	17' 10"	15' 0"	17' 8"	16' 2"	13' 8"	15' 9"	15' 0"	12' 8"	14' 5"	14' 1" e	11' 11"	13' 4"	11' 4"	14' 5"	12' 10"	14' 0"	12' 10"	14' 0"	12' 10"	14' 0" e	
550S200-68	12	33	44' 5"	35' 3"	30' 10"	27' 6"	24' 1"	20' 3"	25' 0"	21' 10"	15' 0"	20' 4"	21' 10"	15' 0"	23' 3"	20' 3"	17' 1"	21' 10"	19' 1"	16' 1"	19' 10"	18' 2"	15' 3"	19' 10"	17' 4"	14' 8"	
550S200-68	16	33	40' 4"	32' 0"	28' 0"	25' 0"	21' 10"	18' 5"	22' 9"	19' 10"	16' 9"	21' 1"	18' 5"	15' 7"	19' 10"	17' 4"	14' 8"	18' 10"	16' 6"	13' 11"	18' 0"	15' 9"	13' 3"	18' 0"	15' 9"	13' 3" e	
550S200-68	24	33	35' 3"	28' 0"	24' 5"	21' 10"	19' 1"	16' 1"	19' 10"	17' 4"	14' 8"	18' 5"	16' 1"	13' 7"	17' 4"	15' 2"	12' 9"	16' 1"	14' 5"	12' 2"	15' 0"	13' 9"	11' 7"	15' 0"	13' 9"	11' 7"	
550S200-68	12	50	45' 3"	39' 1"	34' 2"	30' 7"	26' 8"	22' 6"	27' 9"	24' 3"	20' 5"	25' 9"	22' 6"	19' 0"	24' 3"	21' 2"	17' 10"	23' 0"	20' 1"	17' 0"	22' 0"	19' 3"	16' 3"	15' 0"	20' 10"	14' 3"	16' 3" e
550S200-68	16	50	44' 5"	35' 6"	31' 1"	27' 9"	24' 3"	20' 5"	25' 3"	22' 0"	18' 7"	23' 5"	20' 5"	17' 3"	22' 0"	19' 3"	16' 3"	20' 11"	18' 3"	15' 5"	20' 10"	17' 4"	14' 8"	15' 0"	17' 4" e	14' 8"	15' 0" e
550S200-68	24	50	39' 1"	31' 1"	27' 1"	24' 3"	21' 2"	17' 10"	22' 0"	19' 3"	16' 3"	20' 5"	17' 10"	15' 1"	19' 3"	16' 10"	14' 2"	18' 3"	16' 0"	13' 6"	17' 6"	15' 3"	12' 11"	15' 0"	17' 3"	12' 11"	
550S200-97	12	50	49' 3"	39' 1"	34' 2"	30' 7"	26' 8"	22' 6"	27' 9"	24' 3"	20' 5"	25' 9"	22' 6"	19' 0"	24' 3"	21' 2"	17' 10"	23' 0"	20' 1"	17' 0"	22' 0"	19' 3"	16' 3"	15' 0"	20' 10"	14' 3"	16' 3" e
550S200-97	16	50	44' 9"	35' 6"	31' 1"	27' 9"	24' 3"	20' 5"	25' 3"	22' 0"	18' 7"	23' 5"	20' 5"	17' 3"	22' 0"	19' 3"	16' 3"	20' 11"	18' 3"	15' 5"	20' 10"	17' 4"	14' 8"	15' 0"	17' 4" e	14' 8"	15' 0" e
550S200-97	24	50	39' 1"	31' 1"	27' 1"	24' 3"	21' 2"	17' 10"	22' 0"	19' 3"	16' 3"	20' 5"	17' 10"	15' 1"	19' 3"	16' 10"	14' 2"	18' 3"	16' 0"	13' 6"	17' 6"	15' 3"	12' 11"	15' 0"	17' 3"	12' 11"	
550S200-97	12	33	33' 1"	27' 3"	23' 10"	19' 1"	18' 7"	15' 8"	14' 9"	14' 9"	16' 6" e	16' 6" e	13' 3" e	13' 3" e	14' 9" e	14' 9" e	12' 5" e	12' 6" e	12' 6" e	11' 4" e	11' 8" e	11' 8" e	11' 4" e	11' 8" e	11' 8" e	11' 4" e	
600S137-33	12	33	33' 1"	27' 3"	23' 10"	19' 1"	18' 7"	15' 8"	16' 6" e	16' 6" e	14' 3" e	14' 4" e	12' 11" e	12' 10" e	12' 0" e	11' 8" e	11' 8" e	11' 8" e	11' 4" e	10' 10" e	10' 9" e	10' 1" e					
600S137-33	16	33	28' 7"	24' 9"	21' 8"	16' 6" e	16' 6" e	14' 3" e	14' 4" e	14' 4" e	12' 11" e	12' 10" e	12' 0" e	11' 8" e	11' 8" e	11' 8" e	10' 10" e	10' 9" e	10' 9" e	10' 1" e	10' 1" e	10' 1" e	10' 1" e	10' 1" e	10' 1" e	10' 1" e	
600S137-33	24	33	23' 4"	21' 8"	18' 11"	13' 6" e	13' 6" e	12' 5" e	12' 6" e	12' 6" e	10' 5" e	10' 5" e	8' 10" e	8' 10" e	8' 10" e	8' 10" e	8' 10" e	8' 10" e	8' 3" e	8' 3" e	8' 3" e	8' 3" e	8' 3" e	8' 3" e	8' 3" e		
600S137-43	12	33	37' 8"	29' 11"	26' 2"	22' 11"	20' 5"	17' 3"	19' 10"	16' 8"	15' 8"	17' 9"	17' 3"	14' 6" e	14' 6" e	14' 6" e	14' 6" e	14' 6" e	14' 6" e	15' 0" e	15' 0" e	15' 0" e	15' 0" e	15' 0" e	15' 0" e	15' 0" e	
600S137-43	16	33	34' 3"	27' 2"	23' 9"	21' 3"	18' 7"	15' 8"	18' 5"	16' 11"	14' 3" e	14' 8"	12' 4" e	12' 4" e	12' 4" e	12' 4" e	12' 4" e	12' 4" e	13' 0" e	13' 0" e	13' 0" e	13' 0" e	13' 0" e	13' 0" e	13' 0" e		
600S137-43	24	33	28' 1"																								

Limiting Wall Heights - Curtain Wall 1-span



Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 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	L/240	L/360	L/600
600S162-54	12	50	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"	19' 8"	17' 3"	14' 6"	18' 10"	16' 6"	13' 11"
600S162-54	16	50	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' 11"	15' 8"	13' 2"	17' 2"	15' 0"	12' 7"
600S162-54	24	50	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' 8"	13' 8"	11' 6"	14' 8"	13' 1"	11' 0"
600S162-68	12	33	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"	21' 2"	18' 5"	15' 7"	20' 3"	17' 8"	14' 11"
600S162-68	16	33	41' 1"	32' 7"	28' 6"	25' 6"	22' 3"	18' 9"	23' 2"	20' 3"	17' 1"	21' 6"	18' 9"	15' 10"	20' 3"	17' 8"	14' 11"	19' 2"	16' 9"	14' 2"	18' 4"	16' 0"	13' 6"
600S162-68	24	33	35' 11"	28' 6"	24' 11"	22' 3"	19' 5"	16' 5"	20' 3"	17' 8"	14' 11"	18' 9"	16' 5"	13' 10"	17' 3"	15' 5"	13' 0"	16' 0"	14' 8"	12' 4"	14' 11"	14' 0"	11' 10"
600S162-68	12	50	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"	21' 2"	18' 5"	15' 7"	20' 3"	17' 8"	14' 11"
600S162-68	16	50	41' 1"	32' 7"	28' 6"	25' 6"	22' 3"	18' 9"	23' 2"	20' 3"	17' 1"	21' 6"	18' 9"	15' 10"	20' 3"	17' 8"	14' 11"	19' 2"	16' 9"	14' 2"	18' 4"	16' 0"	13' 6"
600S162-68	24	50	35' 11"	28' 6"	24' 11"	22' 3"	19' 5"	16' 5"	20' 3"	17' 8"	14' 11"	18' 9"	16' 5"	13' 10"	17' 8"	15' 5"	13' 0"	16' 0"	14' 8"	12' 4"	16' 0"	14' 0"	11' 10"
600S162-97	12	33	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"	23' 5"	20' 5"	17' 3"	22' 5"	19' 7"	16' 6"
600S162-97	16	33	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"	21' 3"	18' 7"	15' 8"	20' 4"	17' 9"	15' 0"
600S162-97	24	33	39' 9"	31' 7"	27' 7"	24' 8"	21' 6"	18' 2"	22' 5"	19' 7"	16' 6"	20' 9"	18' 2"	15' 4"	19' 7"	17' 1"	14' 5"	18' 7"	16' 3"	13' 8"	17' 9"	15' 6"	13' 1"
600S162-97	12	50	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"	23' 5"	20' 5"	17' 3"	22' 5"	19' 7"	16' 6"
600S162-97	16	50	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"	21' 3"	18' 7"	15' 8"	20' 4"	17' 9"	15' 0"
600S162-97	24	50	39' 9"	31' 7"	27' 7"	24' 8"	21' 6"	18' 2"	22' 5"	19' 7"	16' 6"	20' 9"	18' 2"	15' 4"	19' 7"	17' 1"	14' 5"	18' 7"	16' 3"	13' 8"	17' 9"	15' 6"	13' 1"
600S162-118	12	33	52' 11"	42' 0"	36' 8"	32' 10"	28' 8"	24' 2"	29' 10"	26' 0"	22' 0"	27' 8"	24' 2"	20' 5"	26' 0"	22' 9"	19' 2"	24' 9"	21' 7"	18' 3"	23' 8"	20' 8"	17' 5"
600S162-118	16	33	48' 1"	38' 2"	33' 4"	29' 10"	26' 0"	22' 0"	27' 1"	23' 8"	19' 11"	25' 2"	22' 0"	18' 6"	23' 8"	20' 8"	17' 5"	22' 6"	19' 8"	16' 7"	21' 6"	18' 9"	15' 10"
600S162-118	24	33	42' 0"	33' 4"	29' 2"	26' 0"	22' 9"	19' 2"	23' 8"	20' 8"	17' 5"	22' 0"	19' 2"	16' 2"	20' 8"	18' 1"	15' 3"	19' 8"	17' 2"	14' 6"	18' 9"	16' 5"	13' 10"
600S162-118	12	50	52' 11"	42' 0"	36' 8"	32' 10"	28' 8"	24' 2"	29' 10"	26' 0"	22' 0"	27' 8"	24' 2"	20' 5"	26' 0"	22' 9"	19' 2"	24' 9"	21' 7"	18' 3"	23' 8"	20' 8"	17' 5"
600S162-118	16	50	48' 1"	38' 2"	33' 4"	29' 10"	26' 0"	22' 0"	27' 1"	23' 8"	19' 11"	25' 2"	22' 0"	18' 6"	23' 8"	20' 8"	17' 5"	22' 6"	19' 8"	16' 7"	21' 6"	18' 9"	15' 10"
600S162-118	24	50	42' 0"	33' 4"	29' 2"	26' 0"	22' 9"	19' 2"	23' 8"	20' 8"	17' 5"	22' 0"	19' 2"	16' 2"	20' 8"	18' 1"	15' 3"	19' 8"	17' 2"	14' 6"	18' 9"	16' 5"	13' 10"
600S200-33	12	33	37' 9"	30' 3"	26' 2"	21' 11"	20' 6"	17' 3"	18' 11"	18' 7"	15' 8"	16' 11"	16' 11"	14' 7"	15' 6"	15' 6"	13' 8"	14' 4"	14' 4"	13' 0"	13' 5"	13' 5"	12' 5"
600S200-33	16	33	32' 10"	27' 3"	23' 10"	18' 11"	18' 7"	15' 8"	16' 5"	16' 5"	15' 8"	14' 8"	14' 8"	13' 3"	13' 5"	13' 5"	12' 5"	12' 5"	12' 5"	11' 10"	11' 7"	11' 4"	11' 4"
600S200-33	24	33	26' 10"	23' 10"	20' 10"	15' 6"	15' 6"	13' 8"	13' 5"	13' 5"	13' 8"	12' 0"	12' 0"	11' 7"	10' 11"	10' 11"	10' 10"	10' 2"	10' 2"	10' 2"	9' 6"	9' 6"	9' 6"
600S200-43	12	33	41' 3"	32' 9"	28' 7"	25' 7"	22' 4"	18' 10"	22' 8"	20' 4"	17' 2"	20' 3"	18' 10"	15' 11"	18' 6"	17' 9"	15' 0"	17' 1"	16' 10"	14' 3"	16' 0"	16' 0"	13' 7"
600S200-43	16	33	37' 6"	29' 9"	26' 0"	22' 8"	20' 4"	17' 2"	19' 7"	18' 5"	15' 7"	17' 7"	17' 2"	14' 5"	16' 0"	16' 0"	13' 7"	14' 10"	14' 10"	12' 11"	13' 10"	13' 10"	12' 4"
600S200-43	24	33	32' 0"	26' 0"	22' 9"	18' 6"	17' 9"	15' 0"	16' 0"	16' 0"	13' 7"	14' 4"	14' 4"	12' 7"	13' 1"	13' 1"	11' 11"	12' 1"	12' 1"	11' 3"	11' 4"	11' 4"	10' 9"
600S200-54	12	33	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"	20' 6"	18' 1"	15' 3"	19' 2"	17' 4"	14' 7"
600S200-54	16	33	40' 3"	32' 0"	27' 11"	24' 11"	21' 10"	18' 5"	22' 8"	19' 10"	16' 8"	21' 0"	18' 5"	15' 6"	19' 2"	17' 4"	14' 7"	17' 9"	16' 5"	13' 10"	16' 7"	15' 9"	13' 3"
600S200-54	24	33	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"	16' 2"	14' 4"	12' 1"	15' 1"	13' 9"	11' 7"
600S200-68	12	33	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"	22' 3"	19' 5"	16' 4"	21' 3"	18' 7"	15' 8"
600S200-68	16	33	43' 2"	34' 4"	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"	20' 2"	17' 8"	14' 11"	19' 4"	16' 10"	14' 3"
600S200-68	24	33	37' 9"	29' 11"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	15' 8"	16' 8"	13' 0"	16' 10"	15' 5"	13' 0"	15' 10"	14' 9"	12' 5"
600S200-68	12	50	47' 7"	37' 9"	33' 0"	29' 6"	25' 9"	21' 9"	26' 9"	23' 5"	19' 9"	24' 10"	21' 9"	18' 5"	23' 5"	20' 5"	17' 3"	22' 3"	19' 5"	16' 4"	21' 3"	18' 7"	15' 8"
600S200-68	16	50	43' 2"	34' 4"	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"	20' 2"	17' 8"	14' 11"	19' 4"	16' 10"	14' 3"
600S200-68	24	50	37' 9"	29' 11"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	15' 8"	16' 8"	13' 0"	16' 10"	15' 5"	13' 0"	15' 10"	14' 9"	12' 5"
600S200-97	12	33	52' 10"	41' 11"	36' 7"	32' 9"	28' 7"	24' 1"	29' 9"	26' 0"	21' 11"	27' 7"	24' 1"	20' 4"	26' 0"	22' 8"	19' 2"	24' 8"	21' 7"	18' 2"	23' 7"	20' 7"	17' 5"
600S200-97	16	33	48' 0"	38' 1"	33' 3"	29' 9"	26' 0"	21' 11"	27' 0"	23' 7"	19' 11"	25' 1"	21' 11"	18' 6"	23' 7"	20' 7"	17' 5"	22' 5"	19' 7"	16' 6"	21' 5"	18' 9"	15' 10"
600S200-97	24	33	41' 11"	33' 3"	29' 1"	26' 0"	22' 8"	19' 2"	23' 7"	20' 7"	17' 5"	21' 11"	19' 2"	16' 2"	20' 7"	18' 0"	15' 2"	19' 7"	17' 1"	14' 5"	18' 9"	16' 4"	13' 10"
600S200-97	12	50	52' 10"	41' 11"	36' 7"	32' 9"	28' 7"	24' 1"	29' 9"	26' 0"	21' 11"	27' 7"	24' 1"	20' 4"	26' 0"	22' 8"	19' 2"	24' 8"	21' 7"	18' 2"	23' 7"	20' 7"	17' 5"
600S200-97	16	50	48' 0"	38' 1"	33' 3"	29' 9"	26' 0"	21' 11"	27' 0"	23' 7"	19' 11"	25' 1"	21' 11"	18' 6"	23' 7"	20' 7"	17' 5"	22' 5"	19' 7"	16' 6"	21' 5"	18' 9"	15' 10"
600S200-97	24	50	41' 11"	33' 3"	29' 1"	26' 0"	22' 8"	19' 2"	23' 7"	20' 7"	17' 5"	21' 11"	19' 2"	16' 2"</td									

Limiting Wall Heights - Curtain Wall 1-span



Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 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	L/240	L/360	L/600	
600S250-97	12	33	55' 5"	44' 0"	38' 5"	34' 4"	30' 0"	25' 4"	31' 3"	27' 3"	23' 0"	29' 0"	25' 4"	21' 4"	27' 3"	23' 10"	20' 1"	25' 11"	22' 8"	19' 1"	24' 9"	21' 8"	18' 3"	
600S250-97	16	33	50' 4"	40' 0"	34' 11"	31' 3"	27' 3"	23' 0"	28' 4"	24' 9"	20' 11"	26' 4"	23' 0"	19' 5"	24' 9"	21' 8"	18' 3"	23' 6"	20' 7"	17' 4"	22' 6"	19' 8"	16' 7"	
600S250-97	24	33	44' 0"	34' 11"	30' 6"	27' 3"	23' 10"	20' 1"	24' 9"	21' 8"	18' 3"	23' 0"	20' 1"	16' 11"	21' 8"	18' 11"	15' 11"	20' 7"	18' 0"	15' 2"	19' 8"	17' 2"	14' 6"	
600S250-97	12	50	55' 5"	44' 0"	38' 5"	34' 4"	30' 0"	25' 4"	31' 3"	27' 3"	23' 0"	29' 0"	25' 4"	21' 4"	27' 3"	23' 10"	20' 1"	25' 11"	22' 8"	19' 1"	24' 9"	21' 8"	18' 3"	
600S250-97	16	50	50' 4"	40' 0"	34' 11"	31' 3"	27' 3"	23' 0"	28' 4"	24' 9"	20' 11"	26' 4"	23' 0"	19' 5"	24' 9"	21' 8"	18' 3"	23' 6"	20' 7"	17' 4"	22' 6"	19' 8"	16' 7"	
600S250-97	24	50	44' 0"	34' 11"	30' 6"	27' 3"	23' 10"	20' 1"	24' 9"	21' 8"	18' 3"	23' 0"	20' 1"	16' 11"	21' 8"	18' 11"	15' 11"	20' 7"	18' 0"	15' 2"	19' 8"	17' 2"	14' 6"	
600S250-118	12	33	58' 8"	46' 7"	40' 8"	36' 5"	31' 9"	26' 10"	33' 1"	28' 11"	24' 4"	30' 8"	26' 10"	22' 7"	28' 11"	25' 3"	21' 3"	27' 5"	24' 0"	20' 3"	26' 3"	22' 11"	19' 4"	
600S250-118	16	33	53' 4"	42' 4"	37' 0"	33' 1"	28' 11"	24' 4"	30' 0"	26' 3"	22' 2"	27' 11"	24' 4"	20' 7"	26' 3"	22' 11"	19' 4"	24' 11"	21' 9"	18' 4"	23' 10"	20' 10"	17' 7"	
600S250-118	24	33	46' 7"	37' 0"	32' 4"	28' 11"	25' 3"	21' 3"	26' 3"	22' 11"	19' 4"	24' 4"	21' 3"	17' 11"	22' 11"	20' 0"	16' 11"	21' 9"	19' 0"	16' 1"	20' 10"	18' 2"	15' 4"	
600S250-118	12	50	58' 8"	46' 7"	40' 8"	36' 5"	31' 9"	26' 10"	33' 1"	28' 11"	24' 4"	30' 8"	26' 10"	22' 7"	28' 11"	25' 3"	21' 3"	27' 5"	24' 0"	20' 3"	26' 3"	22' 11"	19' 4"	
600S250-118	16	50	53' 4"	42' 4"	37' 0"	33' 1"	28' 11"	24' 4"	30' 0"	26' 3"	22' 2"	27' 11"	24' 4"	20' 7"	26' 3"	22' 11"	19' 4"	24' 11"	21' 9"	18' 4"	23' 10"	20' 10"	17' 7"	
600S250-118	24	50	46' 7"	37' 0"	32' 4"	28' 11"	25' 3"	21' 3"	26' 3"	22' 11"	19' 4"	24' 4"	21' 3"	17' 11"	22' 11"	20' 0"	16' 11"	21' 9"	19' 0"	16' 1"	20' 10"	18' 2"	15' 4"	
600S300-54	12	33	48' 2"	38' 3"	33' 5"	29' 10"	26' 1"	22' 0"	27' 2"	23' 8"	20' 0"	24' 8"	22' 0"	18' 7"	22' 6"	20' 9"	17' 6"	20' 10"	26' 10"	19' 8"	16' 7"	19' 6"	18' 10"	15' 10"
600S300-54	16	33	43' 9"	34' 9"	30' 4"	27' 2"	23' 8"	20' 0"	23' 11"	21' 6"	18' 2"	21' 4"	20' 0"	16' 10"	19' 6"	18' 10"	15' 10"	18' 1"	17' 10"	15' 1"	16' 11"	16' 11"	14' 5"	
600S300-54	24	33	38' 3"	30' 4"	26' 6"	22' 6"	20' 9"	17' 6"	19' 6"	18' 10"	15' 10"	17' 5" e	17' 5" e	14' 9"	15' 11"	15' 11"	13' 10" e	14' 9" e	14' 9" e	13' 2" e	13' 9" e	13' 9" e	12' 7" e	
600S300-54	12	50	47' 3"	37' 6"	32' 9"	29' 3"	25' 7"	21' 7"	26' 7"	23' 3"	19' 7"	24' 8"	21' 7"	18' 2"	23' 3"	20' 3"	17' 1"	22' 1"	19' 3"	16' 3"	21' 1"	18' 5"	15' 7"	
600S300-54	16	50	42' 11"	34' 1"	29' 9"	26' 7"	23' 3"	19' 7"	24' 2"	21' 1"	17' 10"	22' 5"	19' 7"	16' 6"	21' 1"	18' 5"	15' 7"	20' 1"	17' 6"	14' 9"	19' 2"	16' 9"	14' 2"	
600S300-54	24	50	37' 6"	29' 9"	26' 0"	23' 3"	20' 3"	17' 1"	21' 1"	18' 5"	15' 7"	19' 7"	17' 1"	14' 5"	18' 2"	16' 1"	13' 7"	16' 10"	15' 4"	12' 11"	15' 9" e	14' 8"	12' 4"	
600S300-68	12	33	51' 11"	41' 3"	36' 0"	32' 2"	28' 1"	23' 9"	29' 3"	25' 7"	21' 7"	27' 2"	23' 9"	20' 0"	25' 7"	22' 4"	18' 10"	24' 3"	21' 2"	17' 11"	22' 8"	20' 3"	17' 1"	
600S300-68	16	33	47' 2"	37' 5"	32' 9"	29' 3"	25' 7"	21' 7"	26' 7"	23' 3"	19' 7"	24' 8"	21' 7"	18' 2"	22' 8"	20' 3"	17' 1"	21' 0"	19' 3"	16' 3"	19' 8"	18' 5"	15' 6"	
600S300-68	24	33	41' 3"	32' 9"	28' 7"	25' 7"	22' 4"	18' 10"	22' 8"	20' 3"	17' 1"	20' 4"	18' 10"	15' 11"	18' 6"	17' 9"	14' 11"	27' 2"	16' 10"	14' 2"	16' 1"	16' 1"	13' 7"	
600S300-68	12	50	51' 7"	40' 11"	35' 9"	31' 11"	27' 11"	23' 6"	29' 0"	25' 4"	21' 5"	26' 11"	23' 9"	19' 10"	25' 4"	22' 2"	18' 8"	24' 1"	21' 0"	17' 9"	23' 0"	20' 2"	17' 0"	
600S300-68	16	50	46' 10"	37' 2"	32' 6"	29' 0"	25' 4"	21' 5"	26' 4"	23' 0"	19' 5"	24' 6"	21' 5"	18' 0"	23' 0"	20' 2"	17' 0"	21' 11"	19' 1"	16' 1"	20' 11"	18' 3"	15' 5"	
600S300-68	24	50	40' 11"	32' 6"	28' 4"	25' 4"	22' 2"	18' 8"	23' 0"	20' 2"	17' 0"	21' 5"	18' 8"	15' 9"	20' 2"	17' 7"	14' 10"	19' 1"	16' 8"	14' 1"	18' 3"	16' 0"	13' 6"	
600S300-97	12	33	57' 10"	45' 11"	40' 1"	35' 10"	31' 4"	26' 5"	32' 7"	28' 5"	24' 0"	30' 3"	26' 5"	22' 3"	28' 5"	24' 10"	21' 0"	27' 0"	23' 7"	19' 11"	25' 10"	22' 7"	19' 1"	
600S300-97	16	33	52' 7"	41' 9"	36' 5"	32' 7"	28' 5"	24' 0"	29' 7"	25' 10"	21' 10"	27' 6"	24' 0"	20' 3"	25' 10"	22' 7"	19' 1"	24' 7"	21' 5"	18' 1"	23' 6"	20' 6"	17' 4"	
600S300-97	24	33	45' 11"	36' 5"	31' 10"	28' 5"	24' 10"	21' 0"	25' 10"	22' 7"	19' 1"	24' 0"	21' 0"	17' 8"	22' 7"	19' 9"	16' 8"	21' 5"	18' 9"	15' 10"	20' 6"	17' 11"	15' 1"	
600S300-97	12	50	57' 7"	45' 8"	39' 11"	35' 8"	31' 2"	26' 4"	32' 5"	28' 4"	23' 11"	30' 1"	26' 4"	22' 2"	28' 4"	24' 9"	20' 10"	26' 11"	23' 6"	19' 10"	25' 9"	22' 6"	19' 0"	
600S300-97	16	50	52' 4"	41' 6"	36' 3"	32' 5"	28' 4"	23' 11"	29' 6"	25' 9"	21' 8"	27' 4"	23' 11"	20' 2"	25' 9"	22' 6"	19' 0"	24' 5"	21' 4"	18' 0"	23' 5"	20' 5"	17' 3"	
600S300-97	24	50	45' 8"	36' 3"	31' 8"	28' 4"	24' 9"	20' 10"	25' 9"	22' 6"	23' 11"	21' 10"	20' 10"	19' 0"	23' 11"	20' 10"	17' 7"	22' 6"	19' 8"	16' 7"	20' 5"	17' 10"	15' 1"	
600S300-118	12	33	61' 4"	48' 8"	42' 6"	38' 0"	33' 2"	28' 0"	34' 6"	30' 2"	25' 5"	32' 1"	28' 0"	23' 7"	30' 2"	26' 4"	22' 3"	28' 8"	25' 0"	21' 1"	27' 5"	23' 11"	20' 2"	
600S300-118	16	33	55' 8"	44' 3"	38' 7"	34' 6"	30' 2"	25' 5"	31' 4"	27' 5"	23' 1"	29' 1"	25' 5"	21' 5"	27' 5"	23' 11"	20' 2"	26' 0"	22' 9"	19' 2"	24' 11"	21' 9"	18' 4"	
600S300-118	24	33	48' 8"	38' 7"	33' 9"	30' 2"	26' 4"	22' 3"	27' 5"	23' 11"	20' 2"	25' 5"	23' 11"	20' 2"	25' 5"	23' 11"	20' 2"	22' 9"	19' 10"	16' 9"	21' 9"	19' 0"	16' 0"	
600S300-118	12	50	61' 2"	48' 6"	42' 5"	37' 11"	33' 1"	33' 1"	34' 5"	30' 1"	25' 4"	32' 0"	27' 11"	23' 7"	30' 1"	26' 3"	22' 2"	28' 7"	24' 11"	21' 1"	27' 4"	23' 10"	20' 2"	
600S300-118	16	50	55' 7"	44' 1"	38' 6"	34' 5"	30' 1"	25' 4"	31' 3"	27' 4"	23' 1"	29' 0"	25' 4"	21' 5"	27' 4"	23' 10"	20' 2"	25' 11"	22' 8"	19' 1"	24' 10"	21' 8"	18' 4"	
600S300-118	24	50	48' 6"	38' 6"	33' 8"	30' 1"	26' 3"	22' 2"	27' 4"	23' 10"	20' 2"	25' 4"	23' 10"	20' 2"	25' 4"	23' 10"	20' 2"	22' 8"	19' 10"	16' 8"	21' 8"	18' 11"	16' 0"	
600S350-54	12	33	50' 6"	40' 1"	35' 0"	31' 4"	28' 5"	24' 10"	25' 10"	22' 7"	19' 0"	26' 5"	24' 10"	20' 11"	19' 5"	24' 10"	21' 7"	28' 7"	25' 0"	21' 1"	25' 7"	22' 4"	18' 10"	
600S350-54	16	33	45' 11"	36' 5"	31' 10"	28' 5"	24' 10"	20' 8"	25' 6"	22' 3"	18' 9"	23' 8"	20' 8"	17' 5"	22' 3"	19' 6"	16' 5"	21' 2"	18' 6"	15' 7"	20' 3"	17' 8"	14' 11"	
600S350-54	24	33	40' 1"	31' 10"	27' 10"	24' 1"	21' 8"	18' 4"	21' 7"	23' 11"	20' 1"	19' 4"	18' 1"	15' 3"	17' 8" e	17' 3" e	14' 6" e	16' 4" e	16' 4" e	13' 10" e	15' 3" e	15' 3" e	13' 2" e	
600S350-54	12	50	49' 10"	39' 7"	34' 7"	30' 11"	27' 0"	22' 9"	28' 1"	24' 6"	20' 8"	26' 1"	22' 9"	19' 2"	24' 6"	21' 5"	18' 1"	23' 3"	20' 4"	17' 2"	22' 3"	19' 6"	16' 5"	
600S350-54	16	50	45' 3"	35' 11"	31' 5"	28' 1"	24' 6"	20' 8"	25' 6"	22' 3"	18' 9"	23' 8"	20' 8"	17' 5"	22' 3"	19' 6"	16' 5"	21' 2"	18' 6"	15' 7"	20' 3"	17' 8"	14' 11"	
600S350-54	24	50	39' 7"	31'																				

Limiting Wall Heights - Curtain Wall 1-span



Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 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	L/240	L/360	L/600	
800S137-54	12	33	51' 1"	40' 6"	35' 5"	31' 1"	27' 8"	23' 4"	26' 11"	25' 1"	21' 2"	24' 1"	23' 4"	19' 8"	22' 0"	21' 11"	18' 6"	20' 4"	20' 4"	17' 7"	19' 0" e	19' 0" e	16' 10"	
800S137-54	16	33	46' 5"	36' 10"	32' 2"	26' 11"	25' 1"	21' 2"	23' 4"	22' 10"	19' 3"	20' 10"	20' 10"	17' 10"	19' 0" e	19' 0" e	16' 10"	17' 8" e	17' 8" e	16' 0"	16' 6" e	16' 6" e	15' 3" e	
800S137-54	24	33	38' 1"	32' 2"	28' 1"	22' 0"	21' 11"	18' 6"	19' 0" e	19' 0" e	16' 10"	17' 0" e	17' 0" e	15' 7" e	15' 7" e	15' 7" e	14' 8" e	14' 5" e	14' 5" e	13' 11" e	13' 6" e	13' 6" e	13' 4" e	
800S137-54	12	50	50' 9"	40' 3"	35' 2"	31' 5"	27' 6"	23' 2"	28' 7"	24' 11"	21' 1"	26' 6"	23' 2"	19' 6"	24' 11"	21' 10"	18' 5"	23' 4"	20' 8"	17' 6"	21' 9" e	19' 10"	16' 8"	
800S137-54	16	50	46' 1"	36' 7"	31' 11"	28' 7"	24' 11"	21' 1"	25' 11"	22' 8"	19' 1"	23' 10"	21' 1"	17' 9"	21' 9"	19' 10"	16' 8"	20' 2"	18' 10"	15' 10"	18' 10" e	18' 0"	15' 2"	
800S137-54	24	50	40' 3"	31' 11"	27' 11"	24' 11"	21' 10"	18' 5"	21' 9"	19' 10"	16' 8"	19' 6"	18' 5"	15' 6"	17' 9"	17' 4"	14' 7"	16' 6" e	16' 5" e	13' 10"	15' 5" e	15' 5" e	13' 3"	
800S137-68	12	33	54' 11"	43' 7"	38' 1"	34' 0"	29' 9"	25' 1"	30' 11"	27' 0"	22' 9"	28' 2"	25' 1"	21' 2"	25' 9"	23' 7"	19' 11"	23' 10"	22' 5"	18' 11"	22' 3"	21' 5"	18' 1"	
800S137-68	16	33	49' 10"	39' 7"	34' 7"	30' 11"	27' 0"	22' 9"	27' 3"	24' 6"	20' 8"	24' 5"	22' 9"	19' 2"	22' 3"	21' 5"	18' 1"	20' 7"	20' 4"	17' 2"	19' 3" e	19' 3"	16' 5"	
800S137-68	24	33	43' 7"	34' 7"	30' 2"	25' 9"	23' 7"	19' 11"	22' 3"	21' 5"	18' 1"	19' 11"	19' 11"	16' 9"	18' 2"	18' 2"	15' 9"	16' 10" e	16' 10" e	15' 0"	15' 9" e	15' 9" e	14' 4"	
800S137-68	12	50	54' 10"	43' 6"	38' 0"	34' 0"	29' 8"	25' 0"	30' 11"	27' 0"	22' 9"	28' 8"	25' 0"	21' 1"	27' 0"	23' 7"	19' 10"	25' 7"	22' 5"	18' 11"	24' 6"	21' 5"	18' 1"	
800S137-68	16	50	49' 10"	39' 6"	34' 6"	30' 11"	27' 0"	22' 9"	28' 1"	24' 6"	20' 8"	26' 0"	22' 9"	19' 2"	24' 6"	21' 5"	18' 1"	23' 3"	20' 4"	17' 2"	22' 3"	19' 5"	16' 5"	
800S137-68	24	50	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' 0"	18' 8"	15' 9"	19' 5"	17' 9"	15' 0"	18' 2"	17' 0"	14' 4"	
800S137-97	12	33	60' 10"	48' 4"	42' 2"	37' 9"	32' 11"	27' 10"	34' 3"	29' 11"	25' 3"	31' 10"	27' 10"	23' 5"	29' 11"	26' 2"	22' 1"	28' 5"	24' 10"	20' 11"	27' 2"	23' 9"	20' 1"	
800S137-97	16	33	55' 4"	43' 11"	38' 4"	34' 3"	29' 11"	25' 3"	31' 2"	27' 2"	22' 11"	28' 11"	25' 3"	21' 4"	27' 2"	23' 9"	20' 1"	25' 10"	22' 7"	19' 0"	24' 9"	21' 7"	18' 3"	
800S137-97	24	33	48' 4"	38' 4"	33' 6"	29' 11"	26' 2"	22' 1"	27' 2"	23' 9"	20' 1"	25' 3"	22' 1"	18' 7"	23' 9"	20' 9"	17' 6"	22' 6"	19' 9"	16' 8"	21' 0"	18' 10"	15' 11"	
800S137-97	12	50	60' 10"	48' 4"	42' 2"	37' 9"	32' 11"	27' 10"	34' 3"	29' 11"	25' 3"	31' 10"	27' 10"	23' 5"	29' 11"	26' 2"	22' 1"	28' 5"	24' 10"	20' 11"	27' 2"	23' 9"	20' 1"	
800S137-97	16	50	55' 4"	43' 11"	38' 4"	34' 3"	29' 11"	25' 3"	31' 2"	27' 2"	22' 11"	28' 11"	25' 3"	21' 4"	27' 2"	23' 9"	20' 1"	25' 10"	22' 7"	19' 0"	24' 9"	21' 7"	18' 3"	
800S137-97	24	50	48' 4"	38' 4"	33' 6"	29' 11"	26' 2"	22' 1"	27' 2"	23' 9"	20' 1"	25' 3"	22' 1"	18' 7"	23' 9"	20' 9"	17' 6"	22' 7"	19' 9"	16' 8"	21' 7"	18' 10"	15' 11"	
800S162-33	12	33	41' 0"	35' 5"	30' 11"	23' 8"	23' 8"	20' 4"	20' 6"	20' 6"	18' 6"	18' 4"	18' 4"	17' 2"	16' 9"	16' 9"	16' 2"	15' 6" e	15' 6" e	15' 4" e	14' 6" e	14' 6" e	14' 6" e	
800S162-33	16	33	35' 6"	32' 2"	28' 1"	20' 6"	20' 6"	18' 6"	17' 9"	17' 9"	16' 10"	15' 11"	15' 11"	15' 7" e	14' 6" e	14' 6" e	14' 6" e	13' 5" e	13' 5" e	13' 5" e	12' 7" e	12' 7" e	12' 7" e	
800S162-33	24	33	29' 0" e	28' 1"	24' 7"	16' 9"	16' 9"	16' 2"	14' 6"	14' 6"	14' 6"	13' 0" e	13' 0" e	13' 0" e	11' 10"	11' 10"	11' 0" e	11' 0" e	10' 3" e	10' 3" e	10' 3" e	10' 3" e		
800S162-43	12	33	49' 1" e	38' 11"	34' 0"	28' 7"	26' 7"	22' 5"	24' 9"	24' 2"	20' 4"	22' 1" e	22' 1" e	18' 11"	20' 2" e	20' 2" e	17' 9" e	18' 8" e	18' 8" e	16' 11" e	17' 6" e	17' 6" e	16' 2" e	
800S162-43	16	33	42' 10"	35' 4"	30' 11"	24' 9"	24' 2"	20' 4"	21' 5"	21' 5"	18' 6"	19' 2" e	19' 2" e	17' 2" e	17' 6" e	16' 2" e	16' 2" e	15' 4" e	15' 2" e	15' 2" e	14' 8" e	15' 2" e	14' 8" e	
800S162-43	24	33	35' 0" e	30' 11"	27' 0"	20' 2" e	20' 2" e	17' 9" e	17' 9" e	17' 9" e	16' 10" e	15' 11" e	15' 11" e	15' 7" e	14' 6" e	14' 6" e	14' 6" e	13' 5" e	13' 5" e	13' 5" e	12' 7" e	12' 7" e	12' 7" e	
800S162-43	12	50	52' 9" e	41' 10"	36' 7"	32' 8"	28' 7"	24' 1"	29' 9"	25' 11"	21' 11"	27' 4" e	24' 1" e	20' 4"	25' 11"	22' 8" e	19' 1"	24' 8"	21' 6" e	18' 2"	23' 5" e	20' 7"	17' 4" e	
800S162-54	16	50	47' 11" e	38' 1" e	33' 3" e	29' 9"	25' 11"	21' 11"	27' 0" e	23' 7"	19' 11"	25' 1" e	21' 11"	18' 6"	23' 5" e	20' 7" e	17' 4" e	21' 8" e	18' 3" e	20' 5" e	20' 5" e	17' 6" e		
800S162-54	24	50	41' 10" e	33' 3" e	29' 0" e	25' 11"	22' 8"	19' 1"	23' 5"	20' 7"	17' 4" e	20' 11" e	19' 1" e	16' 2" e	17' 6" e	16' 2" e	16' 2" e	15' 4" e	15' 6" e	16' 4" e	13' 9" e			
800S162-68	12	33	57' 1"	45' 4"	39' 7"	35' 4"	30' 11"	26' 1"	32' 2"	28' 1"	23' 8"	29' 10"	26' 1"	22' 0"	27' 5"	24' 6" e	20' 8"	25' 5"	23' 4"	19' 8"	23' 9"	22' 3"	18' 10"	
800S162-68	16	33	51' 10"	41' 2"	35' 11"	32' 2"	28' 1"	23' 8"	29' 1"	25' 6"	21' 6"	27' 1"	23' 8"	19' 11"	25' 6"	22' 3" e	18' 9" e	23' 7" e	22' 10"	19' 3" e	20' 5" e	20' 5" e	17' 6" e	
800S162-68	24	33	45' 4" e	35' 11"	31' 5" e	27' 5"	24' 6"	20' 8"	23' 9"	22' 3" e	18' 9" e	23' 8" e	20' 8" e	17' 5" e	22' 3" e	19' 5" e	16' 5" e	17' 11" e	17' 11" e	15' 7" e	16' 10" e	14' 11" e		
800S162-68	12	50	57' 0" e	45' 3" e	39' 6" e	35' 4" e	30' 10"	26' 0"	32' 1"	28' 1"	23' 8"	29' 10"	26' 0"	22' 0"	28' 1"	24' 6" e	20' 8" e	26' 8" e	23' 3" e	19' 8" e	25' 6" e	22' 3" e	18' 9" e	
800S162-68	16	50	51' 10" e	41' 1" e	35' 11" e	32' 1"	28' 1"	23' 8"	29' 2"	25' 6" e	21' 6" e	27' 1" e	23' 8" e	19' 11"	25' 6"	22' 3" e	18' 9" e	24' 3" e	21' 2" e	17' 10" e	23' 2" e	20' 3" e	17' 1" e	
800S162-68	24	50	45' 3" e	35' 11" e	31' 5" e	28' 1"	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' 9" e	15' 7" e	15' 7" e	17' 8" e	14' 11" e		
800S162-97	12	33	63' 5" e	50' 4" e	43' 11" e	39' 3"	34' 4"	28' 11"	35' 8"	31' 2"	26' 4"	33' 2"	28' 11"	24' 5"	33' 2"	28' 11"	24' 5"	31' 2"	27' 3"	23' 0"	29' 7"	25' 11" e	21' 10" e	
800S162-97	16	33	57' 7" e	45' 9" e	39' 11" e	35' 8"	31' 2"	26' 4"	35' 8"	31' 2"	26' 4"	33' 2"	28' 11"	24' 5"	31' 2"	27' 3"	23' 0"	29' 7"	25' 11" e	21' 10" e	25' 9" e	22' 6" e	19' 0" e	
800S162-97	24	33	50' 4" e	39' 11" e	34' 11" e	31' 2"	27' 3"	23' 0"	28' 4"	24' 9"	20' 11" e	26' 4"	33' 2"	28' 11"	24' 5"	31' 2"	27' 3"	23' 0"	29' 7"	25' 11" e	21' 10" e	25' 9" e	22' 6" e	19' 7" e
800S162-97	12	50	63' 5" e	50' 4" e	43' 11" e	39' 3"	34' 4" e	28' 11"	35' 8"	31' 2"	26' 4"	33' 2"	28' 11"	24' 5"	31' 2"	27' 3"	23' 0"	29' 7"	25' 11" e	21' 10" e	28' 4"	24' 9" e	20' 11" e	
800S162-97	16	50	57' 7" e	45' 9" e	39' 11" e	35' 8"	31' 2"	26' 4"	32' 5"	28' 4"	23' 11" e	30' 1"	26' 4"	22' 2"	28' 4"	24' 9"	20' 11" e	26' 11" e	23' 6" e	19' 10" e	25' 9" e	22' 6" e	19' 0" e	
800S162-97	24	50	50' 4" e	39' 11" e	34' 11" e	31' 2"	27' 3"	23' 0"	28' 4"	24' 9"	20' 11" e	26' 4"	33' 2"	28' 11"	24' 5"	24' 9"	21' 7" e	18' 3" e	23' 6" e	17' 4" e	22' 6" e	19' 7" e		
800S162-118	12	33	67' 1" e	53' 3" e	46' 6" e	41' 7"	36' 4"	30' 8"	37' 9"	33' 0"	27' 10"	35' 1"	30' 8"											

Limiting Wall Heights - Curtain Wall 1-span



STEEL FRAMING INDUSTRY ASSOCIATION

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			L/120	L/240	L/360	L/240	L/360	L/600															
800S200-97	12	33	66' 6"	52' 9"	46' 1"	41' 2"	36' 0"	30' 4"	37' 5"	32' 8"	27' 7"	34' 9"	30' 4"	25' 7"	32' 8"	28' 7"	24' 1"	31' 1"	27' 2"	22' 11"	29' 9"	25' 11"	21' 11"
800S200-97	16	33	60' 5"	47' 11"	41' 11"	37' 5"	32' 8"	27' 7"	34' 0"	29' 9"	25' 1"	31' 7"	27' 7"	23' 3"	29' 9"	25' 11"	21' 11"	28' 3"	24' 8"	20' 10"	27' 0"	23' 7"	19' 11"
800S200-97	24	33	52' 9"	41' 11"	36' 7"	32' 8"	28' 7"	24' 1"	29' 9"	25' 11"	21' 11"	27' 7"	24' 1"	20' 4"	25' 11"	22' 8"	19' 1"	24' 8"	21' 6"	18' 2"	23' 4"	20' 7"	17' 5"
800S200-97	12	50	66' 6"	52' 9"	46' 1"	41' 2"	36' 0"	30' 4"	37' 5"	32' 8"	27' 7"	34' 9"	30' 4"	25' 7"	32' 8"	28' 7"	24' 1"	31' 1"	27' 2"	22' 11"	29' 9"	25' 11"	21' 11"
800S200-97	16	50	60' 5"	47' 11"	41' 11"	37' 5"	32' 8"	27' 7"	34' 0"	29' 9"	25' 1"	31' 7"	27' 7"	23' 3"	29' 9"	25' 11"	21' 11"	28' 3"	24' 8"	20' 10"	27' 0"	23' 7"	19' 11"
800S200-97	24	50	52' 9"	41' 11"	36' 7"	32' 8"	28' 7"	24' 1"	29' 9"	25' 11"	21' 11"	27' 7"	24' 1"	20' 4"	25' 11"	22' 8"	19' 1"	24' 8"	21' 6"	18' 2"	23' 7"	20' 7"	17' 5"
800S200-118	12	33	70' 5"	55' 11"	48' 10"	43' 8"	38' 2"	32' 2"	39' 8"	34' 8"	29' 3"	36' 10"	32' 2"	27' 1"	34' 8"	30' 3"	25' 6"	32' 11"	28' 9"	24' 3"	31' 6"	27' 6"	23' 2"
800S200-118	16	33	64' 0"	50' 9"	44' 4"	39' 8"	34' 8"	29' 3"	36' 0"	31' 6"	26' 7"	33' 5"	29' 3"	24' 8"	31' 6"	27' 6"	23' 2"	29' 11"	26' 1"	22' 0"	28' 7"	25' 0"	21' 1"
800S200-118	24	33	55' 11"	44' 4"	38' 9"	34' 8"	30' 3"	25' 6"	31' 6"	27' 6"	23' 2"	29' 3"	25' 6"	21' 6"	27' 6"	24' 0"	20' 3"	26' 1"	22' 10"	19' 3"	25' 0"	21' 10"	18' 5"
800S200-118	12	50	70' 5"	55' 11"	48' 10"	43' 8"	38' 2"	32' 2"	39' 8"	34' 8"	29' 3"	36' 10"	32' 2"	27' 1"	34' 8"	30' 3"	25' 6"	32' 11"	28' 9"	24' 3"	31' 6"	27' 6"	23' 2"
800S200-118	16	50	64' 0"	50' 9"	44' 4"	39' 8"	34' 8"	29' 3"	36' 0"	31' 6"	26' 7"	33' 5"	29' 3"	24' 8"	31' 6"	27' 6"	23' 2"	29' 11"	26' 1"	22' 0"	28' 7"	25' 0"	21' 1"
800S200-118	24	50	55' 11"	44' 4"	38' 9"	34' 8"	30' 3"	25' 6"	31' 6"	27' 6"	23' 2"	29' 3"	25' 6"	21' 6"	27' 6"	24' 0"	20' 3"	26' 1"	22' 10"	19' 3"	25' 0"	21' 10"	18' 5"
800S250-43	12	33	54' 0"	42' 11"	37' 6"	31' 4"	29' 3"	24' 8"	27' 1"	26' 7"	22' 5"	24' 3"	24' 3"	20' 10"	22' 2"	22' 2"	19' 7"	20' 6"	20' 6"	18' 7"	19' 2"	19' 2"	17' 10"
800S250-43	16	33	47' 0"	39' 0"	34' 0"	27' 1"	26' 7"	22' 5"	23' 6"	23' 6"	20' 4"	21' 0"	21' 0"	18' 11"	19' 2"	19' 2"	17' 10"	17' 9"	17' 9"	16' 11"	16' 7"	16' 7"	16' 2"
800S250-43	24	33	38' 4"	34' 0"	29' 9"	22' 2"	22' 2"	19' 7"	19' 2"	19' 2"	17' 10"	17' 2"	17' 2"	16' 6"	15' 8"	15' 8"	15' 7"	14' 6"	14' 6"	14' 6"	13' 7"	13' 7"	13' 7"
800S250-54	12	33	58' 1"	46' 1"	40' 3"	36' 0"	31' 5"	26' 6"	31' 8"	28' 7"	24' 1"	28' 4"	26' 6"	22' 4"	25' 10"	24' 11"	21' 1"	23' 11"	23' 8"	20' 0"	22' 5"	22' 5"	19' 1"
800S250-54	16	33	52' 9"	41' 10"	36' 7"	31' 8"	28' 7"	24' 1"	27' 5"	25' 11"	21' 11"	24' 6"	24' 1"	20' 4"	22' 5"	22' 5"	19' 1"	20' 9"	20' 9"	18' 2"	19' 5"	19' 5"	17' 4"
800S250-54	24	33	44' 9"	36' 7"	31' 11"	25' 10"	24' 11"	21' 1"	22' 5"	22' 5"	19' 1"	20' 0"	20' 0"	17' 9"	18' 3"	18' 3"	16' 8"	16' 11"	16' 11"	15' 10"	15' 10"	15' 10"	
800S250-54	12	50	57' 10"	45' 11"	40' 1"	35' 10"	31' 4"	26' 5"	32' 7"	28' 5"	24' 0"	30' 3"	26' 5"	22' 3"	28' 5"	24' 10"	21' 0"	27' 0"	23' 7"	19' 11"	25' 7"	22' 7"	19' 1"
800S250-54	16	50	52' 7"	41' 8"	36' 5"	32' 7"	28' 5"	24' 0"	29' 7"	25' 10"	21' 10"	27' 6"	24' 0"	20' 3"	25' 7"	22' 7"	19' 1"	23' 8"	21' 5"	18' 1"	22' 1"	20' 6"	17' 4"
800S250-54	24	50	45' 11"	36' 5"	31' 10"	28' 5"	24' 10"	21' 0"	25' 7"	22' 7"	19' 1"	22' 10"	21' 0"	17' 8"	20' 10"	19' 9"	16' 8"	19' 4"	18' 9"	15' 10"	18' 1"	17' 11"	15' 1"
800S250-68	12	33	62' 5"	49' 6"	43' 3"	38' 8"	33' 9"	28' 6"	35' 2"	30' 8"	25' 11"	32' 7"	28' 6"	24' 0"	30' 8"	26' 10"	22' 7"	28' 10"	25' 6"	21' 6"	27' 0"	24' 4"	20' 7"
800S250-68	16	33	56' 8"	45' 0"	39' 4"	35' 2"	30' 8"	25' 11"	31' 11"	27' 11"	23' 6"	29' 7"	25' 11"	21' 10"	27' 0"	24' 4"	23' 2"	19' 6"	23' 4"	22' 2"	18' 8"	20' 5"	19' 1"
800S250-68	24	33	49' 6"	39' 3"	34' 4"	30' 8"	25' 11"	31' 11"	27' 11"	23' 6"	29' 7"	25' 11"	21' 10"	27' 0"	24' 4"	23' 2"	19' 6"	20' 5"	20' 3"	17' 1"	20' 5"	19' 1"	16' 4"
800S250-68	12	50	69' 6"	55' 2"	48' 2"	43' 1"	37' 7"	31' 9"	39' 2"	34' 2"	28' 10"	36' 4"	31' 9"	26' 9"	34' 2"	29' 10"	25' 2"	32' 6"	28' 4"	23' 11"	31' 1"	27' 2"	22' 11"
800S250-68	16	50	63' 2"	50' 1"	43' 9"	39' 2"	34' 2"	28' 10"	35' 7"	31' 1"	26' 2"	33' 0"	28' 10"	24' 4"	31' 1"	27' 2"	22' 11"	29' 6"	25' 9"	21' 9"	28' 3"	24' 8"	20' 9"
800S250-68	24	50	55' 2"	43' 9"	38' 3"	34' 2"	29' 10"	25' 2"	31' 1"	27' 2"	22' 11"	29' 10"	25' 2"	21' 3"	27' 2"	23' 8"	20' 0"	25' 9"	22' 6"	19' 0"	24' 3"	21' 6"	18' 2"
800S250-97	12	33	69' 6"	55' 2"	48' 2"	43' 1"	37' 7"	31' 9"	39' 2"	34' 2"	28' 10"	36' 4"	31' 9"	26' 9"	34' 2"	29' 10"	25' 2"	32' 6"	28' 4"	23' 11"	31' 1"	27' 2"	22' 11"
800S250-97	16	33	63' 2"	50' 1"	43' 9"	39' 2"	34' 2"	28' 10"	35' 7"	31' 1"	26' 2"	33' 0"	28' 10"	24' 4"	31' 1"	27' 2"	22' 11"	29' 6"	25' 9"	21' 9"	28' 3"	24' 8"	20' 9"
800S250-97	24	33	55' 2"	43' 9"	38' 3"	34' 2"	29' 10"	25' 2"	31' 1"	27' 2"	22' 11"	28' 10"	25' 2"	21' 3"	27' 2"	23' 8"	20' 0"	25' 9"	22' 6"	19' 0"	24' 3"	21' 6"	18' 2"
800S250-118	12	33	73' 8"	58' 6"	51' 1"	45' 8"	39' 11"	33' 8"	41' 6"	36' 3"	30' 7"	38' 6"	33' 8"	28' 4"	36' 3"	31' 8"	26' 8"	34' 5"	30' 1"	25' 4"	32' 11"	28' 9"	24' 3"
800S250-118	16	33	66' 11"	53' 1"	46' 5"	41' 6"	36' 3"	30' 7"	37' 8"	32' 11"	27' 9"	35' 0"	30' 7"	25' 9"	32' 11"	28' 9"	24' 3"	31' 3"	27' 4"	23' 1"	29' 11"	26' 2"	22' 0"
800S250-118	24	33	58' 6"	46' 5"	40' 6"	36' 3"	31' 8"	26' 8"	32' 11"	27' 9"	23' 11"	30' 7"	25' 0"	21' 9"	32' 11"	28' 9"	24' 3"	31' 3"	27' 4"	23' 1"	29' 11"	26' 2"	22' 0"
800S250-118	12	50	73' 8"	58' 6"	51' 1"	45' 8"	39' 11"	33' 8"	41' 6"	36' 3"	30' 7"	38' 6"	33' 8"	28' 4"	36' 3"	31' 8"	26' 8"	34' 5"	30' 1"	25' 4"	32' 11"	28' 9"	24' 3"
800S250-118	16	50	66' 11"	53' 1"	46' 5"	41' 6"	36' 3"	30' 7"	37' 8"	32' 11"	27' 9"	35' 0"	30' 7"	25' 9"	32' 11"	28' 9"	24' 3"	31' 3"	27' 4"	23' 1"	29' 11"	26' 2"	22' 0"
800S250-118	24	50	58' 6"	46' 5"	40' 6"	36' 3"	31' 8"	26' 8"	32' 11"	27' 9"	23' 11"	30' 7"	25' 0"	21' 9"	32' 11"	28' 9"	24' 3"	31' 3"	27' 4"	23' 1"	29' 11"	26' 2"	22' 0"
800S300-54	12	33	60' 0"	47' 8"	41' 7"	37' 2"	32' 6"	27' 5"	32' 3"	29' 6"	24' 11"	28' 10"	25' 2"	23' 1"	26' 4"	25' 10"	21' 9"	24' 4"	24' 4"	20' 8"	22' 9"	22' 9"	19' 9"
800S300-54	16	33	54' 6"	43' 3"	37' 10"	32' 3"	29' 6"	24' 11"	27' 11"	26' 10"	22' 8"	24' 11"	24' 11"	21' 0"	22' 9"	22' 9"	19' 9"	21' 1"	21' 1"	18' 0"	19' 9"	19' 9"	18' 0"
800S300-54	24	33	45' 7"	37' 10"	33' 0"	26' 4"	21' 9"	20' 5"	23' 1"	21' 9"	20' 5"	20' 5"	18' 4"	18' 7"	17' 3"	17' 3"	16' 5"	16' 1"	16' 1"	16' 1"	16' 1"	16' 1"	15' 8"
800S300-54	12	50	59' 1"	46' 11"	41' 0"	36' 7"	32' 0"	27' 0"	33' 3"	29' 1"	24' 6"	30' 11"	27' 0"	22' 9"	29' 1"	25' 5"	21' 5"	27' 7"	24' 1"	20' 4"	25' 11"	23' 1"	19' 5"
800S300-54	16	50	53' 8"	42' 7"	37' 3"	33' 3"	29' 1"	24' 6"	30' 3"	26' 5"	22' 3"	28' 1"	24' 6"	20' 8"	25' 11"	23' 1"	19' 5"	24' 0"	21' 11"	18' 6"	22' 5"	20' 11"	17' 8"
800S300-54	24	50	46' 11"	37' 3"	32' 6"	29' 1"	25' 5"	21'															

Limiting Wall Heights - Curtain Wall 1-span



Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 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	L/240	L/360	L/600	
800S350-54	12	50	62' 3"	49' 5"	43' 2"	38' 7"	33' 8"	28' 5"	35' 1"	30' 7"	25' 10"	32' 6"	28' 5"	24' 0"	30' 7"	26' 9"	22' 7"	29' 1"	25' 5"	21' 5"	27' 10"	24' 4"	20' 6"	
800S350-54	16	50	56' 7"	44' 11"	39' 2"	35' 1"	30' 7"	25' 10"	31' 10"	27' 10"	23' 6"	29' 7"	25' 10"	21' 9"	27' 10"	24' 4"	20' 6"	26' 5"	23' 1"	19' 6"	24' 11"	e. 22' 1"	e. 18' 7"	
800S350-54	24	50	49' 5"	39' 2"	34' 3"	30' 7"	26' 9"	22' 7"	27' 10"	24' 4"	20' 6"	25' 9"	e. 22' 7"	19' 0"	23' 6" e. 21' 3" e. 17' 11"	21' 9" e. 20' 2" e. 17' 0" e	20' 4" e. 19' 3" e. 16' 3" e							
800S350-68	12	33	68' 1"	54' 1"	47' 3"	42' 3"	36' 10"	31' 1"	38' 4"	33' 6"	28' 3"	35' 7"	31' 1"	26' 3"	33' 6"	29' 3"	24' 8"	31' 5"	27' 10"	23' 5"	29' 5" e	26' 7"	22' 5"	
800S350-68	16	33	61' 11"	49' 1"	42' 11"	38' 4"	33' 6"	28' 3"	34' 10"	30' 5"	25' 8"	32' 3"	28' 3"	23' 10"	29' 5" e	26' 7"	22' 5"	27' 3" e	25' 3" e	21' 4"	25' 6" e	24' 2" e	20' 5"	
800S350-68	24	33	54' 1"	42' 11"	37' 6"	33' 6"	29' 3"	24' 8"	29' 5" e	26' 7"	22' 5"	26' 4" e	24' 8" e	20' 10"	24' 0" e	23' 3" e	19' 7" e	22' 3" e	22' 1" e	18' 7" e	20' 10" e	20' 10"	18' 10" e	
800S350-68	12	50	67' 10"	53' 10"	47' 1"	42' 1"	36' 9"	31' 0"	38' 2"	33' 5"	28' 2"	35' 6"	31' 0"	26' 2"	33' 5"	29' 2"	24' 7"	31' 8"	27' 8"	23' 4"	30' 4"	26' 6"	22' 4"	
800S350-68	16	50	61' 8"	48' 11"	42' 9"	38' 2"	33' 5"	28' 2"	34' 9"	30' 4"	25' 7"	32' 3"	28' 2"	23' 9"	30' 4"	26' 6"	22' 4"	28' 10"	25' 2"	21' 3"	27' 7"	24' 1"	20' 4"	
800S350-68	24	50	53' 10"	42' 9"	37' 4"	33' 5"	29' 2"	24' 7"	30' 4"	26' 6"	22' 4"	28' 2"	24' 7"	20' 9"	26' 6"	23' 2"	19' 6"	25' 2"	22' 0"	18' 6"	23' 10" e	21' 0"	17' 9"	
800S350-97	12	33	76' 0"	60' 4"	52' 8"	47' 1"	41' 2"	34' 8"	42' 10"	37' 5"	31' 6"	39' 9"	34' 8"	29' 3"	37' 5"	32' 8"	27' 7"	35' 6"	31' 0"	26' 2"	34' 0"	29' 8"	25' 0"	
800S350-97	16	33	69' 1"	54' 10"	47' 11"	42' 10"	37' 5"	31' 6"	38' 11"	34' 0"	28' 8"	36' 1"	31' 6"	26' 7"	34' 0"	29' 8"	25' 0"	32' 3"	28' 2"	23' 9"	30' 10"	27' 0"	22' 9"	
800S350-97	24	33	60' 4"	47' 11"	41' 10"	37' 5"	32' 8"	27' 7"	34' 0"	29' 8"	25' 0"	31' 6"	27' 7"	23' 3"	29' 8"	25' 11"	21' 10"	28' 2"	24' 7"	20' 9"	27' 0"	23' 7"	19' 10"	
800S350-97	12	50	76' 0"	60' 4"	52' 8"	47' 1"	41' 2"	34' 8"	42' 10"	37' 5"	31' 6"	39' 9"	34' 8"	29' 3"	37' 5"	32' 8"	27' 7"	35' 6"	31' 0"	26' 2"	34' 0"	29' 8"	25' 0"	
800S350-97	16	50	69' 1"	54' 10"	47' 11"	42' 10"	37' 5"	31' 6"	38' 11"	34' 0"	28' 8"	36' 1"	31' 6"	26' 7"	34' 0"	29' 8"	25' 0"	32' 3"	28' 2"	23' 9"	30' 10"	27' 0"	22' 9"	
800S350-97	24	50	60' 4"	47' 11"	41' 10"	37' 5"	32' 8"	27' 7"	34' 0"	29' 8"	25' 0"	31' 6"	27' 7"	23' 3"	29' 8"	25' 11"	21' 10"	28' 2"	24' 7"	20' 9"	27' 0"	23' 7"	19' 10"	
800S350-118	12	33	80' 8"	64' 1"	55' 11"	50' 0"	43' 8"	36' 10"	45' 5"	39' 8"	33' 6"	42' 2"	36' 10"	31' 1"	39' 8"	34' 8"	29' 3"	37' 9"	32' 11"	27' 9"	36' 1"	31' 6"	26' 7"	
800S350-118	16	33	73' 4"	58' 2"	50' 10"	45' 5"	39' 8"	33' 6"	41' 3"	36' 1"	30' 5"	38' 4"	33' 6"	28' 3"	36' 1"	31' 6"	26' 7"	34' 3"	29' 11"	25' 3"	32' 9"	28' 8"	24' 2"	
800S350-118	24	33	64' 1"	50' 10"	44' 5"	39' 8"	34' 8"	29' 3"	36' 1"	31' 6"	26' 7"	33' 6"	29' 3"	24' 8"	31' 6"	27' 6"	23' 3"	29' 11"	26' 2"	22' 1"	28' 8"	25' 0"	21' 1"	
800S350-118	12	50	80' 8"	64' 1"	55' 11"	50' 0"	43' 8"	36' 10"	45' 5"	39' 8"	33' 6"	42' 2"	36' 10"	31' 1"	39' 8"	34' 8"	29' 3"	37' 9"	32' 11"	27' 9"	36' 1"	31' 6"	26' 7"	
800S350-118	16	50	73' 4"	58' 2"	50' 10"	45' 5"	39' 8"	33' 6"	41' 3"	36' 1"	30' 5"	38' 4"	33' 6"	28' 3"	36' 1"	31' 6"	26' 7"	34' 3"	29' 11"	25' 3"	32' 9"	28' 8"	24' 2"	
800S350-118	24	50	64' 1"	50' 10"	44' 5"	39' 8"	34' 8"	29' 3"	36' 1"	31' 6"	26' 7"	33' 6"	29' 3"	24' 8"	31' 6"	27' 6"	23' 3"	29' 11"	26' 2"	22' 1"	28' 8"	25' 0"	21' 1"	

See Curtain Wall Limiting Heights Table Notes on page 25.

Combined Axial and Lateral Load Table Notes

1. Allowable axial loads listed in kips (1 kip = 1000 pounds).
2. Allowable axial loads determined in accordance with section C5 AISI S100-12, with section D4 used for treatment of punchouts, and assuming that all axial loads pass through the geometric center of the section
3. Listed lateral pressures and axial loads have not been modified for 1/3 stress increase based on wind/earthquake or multiple transient loads.
4. Allowable axial loads based on lateral and torsional bracing at a maximum spacing of 4 feet on center.
5. The 5 psf live load has not been reduced for deflection checks. For 15 psf or higher wind pressure, read the note below.

IBC 2015/ASCE 7-10: Due to the change in the model building codes, design wind pressures determined using IBC 2012/ASCE 7-10 are strength level loads (LRFD) in comparison to those determined in earlier IBC codes which were service level loads (ASD). The load/span tables that follow are based on service level (ASD) wind loads. Therefore, to properly use the load/span tables in this catalog, multiply the IBC 2012/ASCE 7-10 design wind pressures by 0.6 (Reference section 2.4 ASCE 7-10) prior to entering the load/span tables.

- Example:

* ASCE 7-10 Calculated Design Wind Pressure = 25 psf (Strength level loads, LRFD)

* Convert to service level loads (ASD) = $25 \text{ psf} \times 0.6 = 15 \text{ psf}$

* Use 15 psf as the Pressure Value used in this Table to determine the member span

Any Other Building Code: The load/span tables that follow are based on service level (ASD) wind loads. If the wind load being used meets this criterion, it does not need to be modified prior to using the tables.

6. Studs are assumed to be adequately braced at a maximum spacing of L_u to develop full allowable moment, M_a .
7. End supports have not been checked for web crippling. Refer web crippling capacity tables.
8. All tables are based on simple (single) span.
9. Cells marked with an “*” have $h/t > 200$, thus require bearing stiffeners. Cells are left blank when $h/t > 260$.
10. Cells marked with an a, b, c, d, e or f meets L/720, L/600, L/480, L/360, L/240, or L/120 respectively. Blank cells do not meet L/120.
11. Stud distortional buckling moment based on assumed $K\phi = 0$
12. Moment of inertia for deflection is optimized based on the maximum moment at service loads for the listed spans; therefore span values may be greater than spans based on effective moment of inertia listed in section property tables

Combined Axial and Lateral Load Tables



5 psf Lateral Load (Interior Walls Only)

Wall Height (ft)	Spacing (in.) O.C.	350S162-(mils)					362S137-(mils)					362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	1.81 a	2.56 a	3.97 a	5.08 a	7.44 a	1.49 a	2.14 a	3.32 a	4.37 a	1.87 a	2.65 a	4.15 a	5.38 a	7.87 a	
	16	1.74 a	2.48 a	3.9 a	5.01 a	7.36 a	1.42 a	2.07 a	3.26 a	4.3 a	1.8 a	2.57 a	4.08 a	5.31 a	7.79 a	
	24	1.58 a	2.32 a	3.76 a	4.87 a	7.21 a	1.29 a	1.93 a	3.13 a	4.17 a	1.65 a	2.42 a	3.94 a	5.17 a	7.63 a	
9	12	1.67 a	2.38 a	3.65 a	4.67 a	6.83 a	1.38 a	2.01 a	3.11 a	4.07 a	1.74 a	2.48 a	3.86 a	4.99 a	7.28 a	
	16	1.57 a	2.28 a	3.56 a	4.58 a	6.74 a	1.3 a	1.92 a	3.02 a	3.99 a	1.64 a	2.38 a	3.77 a	4.9 a	7.18 a	
	24	1.39 a	2.09 a	3.39 a	4.41 a	6.54 a	1.13 a	1.74 a	2.87 a	3.82 a	1.46 a	2.19 a	3.6 a	4.72 a	6.98 a	
10	12	1.51 a	2.18 a	3.29 a	4.23 a	6.17 a	1.26 a	1.85 a	2.85 a	3.73 a	1.58 a	2.29 a	3.53 a	4.55 a	6.62 a	
	16	1.4 a	2.07 a	3.19 a	4.12 a	6.05 a	1.16 a	1.74 a	2.75 a	3.63 a	1.47 a	2.17 a	3.42 a	4.44 a	6.5 a	
	24	1.19 a	1.84 a	2.99 a	3.92 a	5.83 a	0.96 a	1.54 a	2.57 a	3.44 a	1.26 a	1.95 a	3.22 a	4.23 a	6.27 a	
12	12	1.18 a	1.75 a	2.56 a	3.31 a	4.8 a	0.99 a	1.51 a	2.27 a	2.97 a	1.25 a	1.87 a	2.79 a	3.6 a	5.23 a	
	16	1.04 b	1.61 a	2.44 a	3.18 a	4.66 a	0.86 b	1.37 a	2.15 a	2.85 a	1.11 a	1.72 a	2.66 a	3.47 a	5.08 a	
	24	0.79 d	1.34 c	2.21 a	2.94 a	4.39 a	0.63 d	1.12 c	1.93 b	2.62 a	0.86 c	1.44 b	2.42 a	3.22 a	4.8 a	
14	12	0.86 c	1.33 a	1.95 a	2.54 a	3.68 a	0.72 c	1.15 b	1.75 a	2.3 a	0.93 b	1.44 a	2.14 a	2.78 a	4.03 a	
	16	0.71 d	1.17 c	1.82 b	2.4 a	3.53 a	0.59 d	1 c	1.62 b	2.16 a	0.78 d	1.28 b	2 a	2.64 a	3.87 a	
	24	0.46 e	0.89 d	1.58 d	2.16 c	3.25 a	0.34 e	0.73 e	1.39 d	1.92 c	0.52 e	0.99 d	1.75 c	2.38 b	3.58 a	
16	12	0.59 d	0.96 c	1.48 b	1.95 a	2.84 a	0.49 d	0.83 d	1.33 c	1.76 b	0.65 d	1.06 c	1.63 b	2.14 a	3.12 a	
	16	0.45 e	0.8 d	1.35 d	1.81 c	2.69 a	0.36 e	0.68 e	1.2 d	1.63 c	0.51 e	0.9 d	1.49 c	2 b	2.96 a	
	24	0.21 f	0.54 e	1.12 e	1.57 d	2.41 c	0.12 f	0.42 f	0.97 e	1.38 e	0.25 f	0.61 e	1.25 e	1.74 d	2.67 c	

5 psf Lateral Load (Interior Walls Only)

Wall Height (ft)	Spacing (in.) O.C.	362S200-(mils)					400S137-(mils)					400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	2.25 a	3.28 a	5.18 a	6.68 a	9.54 a	1.61 a	2.31 a	3.67 a	4.98 a	2.03 a	2.87 a	4.62 a	6.18 a	9.08 a	
	16	2.17 a	3.2 a	5.1 a	6.6 a	9.46 a	1.55 a	2.25 a	3.61 a	4.91 a	1.96 a	2.8 a	4.55 a	6.11 a	9.01 a	
	24	2.01 a	3.03 a	4.94 a	6.45 a	9.3 a	1.42 a	2.12 a	3.49 a	4.79 a	1.82 a	2.65 a	4.42 a	5.97 a	8.86 a	
9	12	2.1 a	3.07 a	4.79 a	6.17 a	8.81 a	1.52 a	2.2 a	3.49 a	4.79 a	1.91 a	2.72 a	4.37 a	5.85 a	8.56 a	
	16	2 a	2.96 a	4.69 a	6.07 a	8.71 a	1.44 a	2.12 a	3.42 a	4.7 a	1.82 a	2.63 a	4.28 a	5.76 a	8.46 a	
	24	1.8 a	2.76 a	4.49 a	5.88 a	8.51 a	1.28 a	1.95 a	3.26 a	4.54 a	1.65 a	2.45 a	4.11 a	5.59 a	8.27 a	
10	12	1.93 a	2.84 a	4.37 a	5.61 a	8.02 a	1.41 a	2.07 a	3.28 a	4.49 a	1.77 a	2.56 a	4.07 a	5.47 a	7.95 a	
	16	1.81 a	2.71 a	4.25 a	5.49 a	7.9 a	1.31 a	1.97 a	3.19 a	4.38 a	1.67 a	2.45 a	3.97 a	5.36 a	7.83 a	
	24	1.57 a	2.47 a	4.01 a	5.27 a	7.66 a	1.12 a	1.77 a	3 a	4.18 a	1.46 a	2.23 a	3.77 a	5.14 a	7.6 a	
12	12	1.56 a	2.32 a	3.45 a	4.44 a	6.36 a	1.16 a	1.76 a	2.77 a	3.75 a	1.46 a	2.17 a	3.41 a	4.54 a	6.58 a	
	16	1.4 a	2.16 a	3.3 a	4.3 a	6.21 a	1.03 a	1.62 a	2.64 a	3.61 a	1.32 a	2.02 a	3.27 a	4.39 a	6.42 a	
	24	1.11 c	1.86 a	3.03 a	4.03 a	5.92 a	0.79 c	1.36 b	2.4 a	3.35 a	1.06 b	1.74 a	3.01 a	4.12 a	6.11 a	
14	12	1.18 a	1.81 a	2.64 a	3.43 a	4.94 a	0.9 b	1.41 a	2.22 a	2.96 a	1.14 a	1.75 a	2.71 a	3.57 a	5.17 a	
	16	1.01 c	1.63 b	2.48 a	3.28 a	4.77 a	0.75 c	1.25 b	2.08 a	2.8 a	0.98 c	1.58 a	2.55 a	3.41 a	4.99 a	
	24	0.7 d	1.31 d	2.19 c	2.99 a	4.46 a	0.49 e	0.96 d	1.81 c	2.52 b	0.7 d	1.26 c	2.27 b	3.11 a	4.66 a	
16	12	0.84 c	1.36 b	2.01 a	2.66 a	3.85 a	0.65 d	1.08 c	1.74 a	2.3 a	0.84 c	1.35 b	2.12 a	2.78 a	4.04 a	
	16	0.67 d	1.18 c	1.86 c	2.5 a	3.68 a	0.5 e	0.91 d	1.59 c	2.14 b	0.68 d	1.17 c	1.96 b	2.61 a	3.85 a	
	24	0.38 e	0.86 e	1.58 d	2.21 c	3.37 b	0.23 f	0.61 e	1.32 d	1.86 d	0.39 e	0.85 e	1.67 d	2.31 c	3.52 b	

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



5 psf Lateral Load (Interior Walls Only)

Wall Height (ft)	Spacing (in.) O.C.	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2.42 a	3.55 a	5.77 a	7.63 a	11.03 a	2.39 a	3.38 a	5.63 a	7.46 a	11.33 a	1.77 a	2.51 a	3.81 a	5.05 a	7.56 a
	16	2.34 a	3.48 a	5.7 a	7.56 a	10.95 a	2.34 a	3.33 a	5.58 a	7.41 a	11.28 a	1.73 a	2.47 a	3.78 a	5.02 a	7.53 a
	24	2.19 a	3.32 a	5.54 a	7.41 a	10.8 a	2.24 a	3.23 a	5.49 a	7.32 a	11.2 a	1.65 a	2.39 a	3.72 a	4.96 a	7.48 a
9	12	2.28 a	3.37 a	5.43 a	7.19 a	10.36 a	2.32 a	3.31 a	5.55 a	7.41 a	11.28 a	1.74 a	2.47 a	3.78 a	5.02 a	7.54 a
	16	2.19 a	3.27 a	5.33 a	7.1 a	10.26 a	2.26 a	3.24 a	5.49 a	7.36 a	11.23 a	1.69 a	2.43 a	3.74 a	4.98 a	7.5 a
	24	2 a	3.08 a	5.14 a	6.91 a	10.06 a	2.13 a	3.12 a	5.38 a	7.24 a	11.11 a	1.59 a	2.33 a	3.66 a	4.9 a	7.43 a
10	12	2.13 a	3.16 a	5.04 a	6.7 a	9.61 a	2.25 a	3.22 a	5.41 a	7.35 a	11.23 a	1.7 a	2.44 a	3.75 a	4.99 a	7.51 a
	16	2.01 a	3.04 a	4.92 a	6.58 a	9.48 a	2.16 a	3.14 a	5.34 a	7.27 a	11.15 a	1.63 a	2.37 a	3.7 a	4.94 a	7.46 a
	24	1.79 a	2.81 a	4.69 a	6.35 a	9.24 a	2 a	2.99 a	5.19 a	7.12 a	11 a	1.51 a	2.25 a	3.59 a	4.84 a	7.37 a
12	12	1.79 a	2.69 a	4.19 a	5.57 a	7.97 a	2.05 a	3 a	5.04 a	6.87 a	11.04 a	1.6 a	2.34 a	3.67 a	4.91 a	7.43 a
	16	1.63 a	2.53 a	4.03 a	5.41 a	7.8 a	1.93 a	2.89 a	4.93 a	6.76 a	10.91 a	1.51 a	2.25 a	3.59 a	4.83 a	7.36 a
	24	1.35 a	2.22 a	3.74 a	5.11 a	7.48 a	1.71 a	2.68 a	4.71 a	6.54 a	10.66 a	1.33 a	2.07 a	3.43 a	4.67 a	7.22 a
14	12	1.43 a	2.19 a	3.32 a	4.39 a	6.3 a	1.81 a	2.72 a	4.54 a	6.23 a	10 a	1.48 a	2.22 a	3.55 a	4.79 a	7.32 a
	16	1.25 b	2 a	3.14 a	4.21 a	6.12 a	1.66 a	2.57 a	4.39 a	6.07 a	9.83 a	1.36 a	2.09 a	3.44 a	4.67 a	7.22 a
	24	0.92 d	1.65 b	2.82 a	3.88 a	5.76 a	1.37 a	2.29 a	4.11 a	5.78 a	9.49 a	1.11 a	1.85 a	3.21 a	4.45 a	7.02 a
16	12	1.07 b	1.71 a	2.6 a	3.42 a	4.95 a	1.53 a	2.39 a	3.95 a	5.45 a	8.76 a	1.34 a	2.07 a	3.4 a	4.63 a	7.17 a
	16	0.89 d	1.51 b	2.41 a	3.24 a	4.76 a	1.35 a	2.2 a	3.77 a	5.26 a	8.54 a	1.18 a	1.9 a	3.24 a	4.47 a	7.02 a
	24	0.56 e	1.16 d	2.09 c	2.91 b	4.4 a	1.02 c	1.87 a	3.43 a	4.91 a	8.12 a	0.87 c	1.59 a	2.95 a	4.16 a	6.73 a

5 psf Lateral Load (Interior Walls Only)

Wall Height (ft)	Spacing (in.) O.C.	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2.42 a	3.39 a	5.61 a	7.45 a	11.4 a	2.86 a	4.31 a	7.46 a	9.97 a	15.65 a	1.71 a*	2.43 a	3.57 a	4.75 a	7.23 a
	16	2.37 a	3.35 a	5.57 a	7.41 a	11.36 a	2.81 a	4.26 a	7.41 a	9.92 a	15.6 a	1.68 a*	2.4 a	3.55 a	4.73 a	7.21 a
	24	2.28 a	3.27 a	5.49 a	7.33 a	11.29 a	2.72 a	4.16 a	7.31 a	9.83 a	15.51 a	1.63 a*	2.35 a	3.5 a	4.68 a	7.17 a
9	12	2.38 a	3.36 a	5.57 a	7.41 a	11.36 a	2.8 a	4.23 a	7.31 a	9.79 a	15.39 a	1.69 a*	2.4 a	3.55 a	4.73 a	7.21 a
	16	2.32 a	3.3 a	5.52 a	7.36 a	11.31 a	2.74 a	4.16 a	7.25 a	9.73 a	15.33 a	1.65 a*	2.37 a	3.52 a	4.7 a	7.19 a
	24	2.2 a	3.19 a	5.42 a	7.26 a	11.22 a	2.62 a	4.03 a	7.12 a	9.61 a	15.2 a	1.58 a*	2.3 a	3.47 a	4.65 a	7.14 a
10	12	2.33 a	3.31 a	5.53 a	7.37 a	11.32 a	2.73 a	4.13 a	7.14 a	9.58 a	15.07 a	1.66 a*	2.38 a	3.53 a	4.71 a	7.2 a
	16	2.25 a	3.24 a	5.46 a	7.3 a	11.26 a	2.65 a	4.05 a	7.05 a	9.5 a	14.99 a	1.62 a*	2.34 a	3.49 a	4.68 a	7.16 a
	24	2.1 a	3.11 a	5.33 a	7.17 a	11.13 a	2.5 a	3.88 a	6.89 a	9.34 a	14.83 a	1.53 a*	2.26 a	3.43 a	4.61 a	7.1 a
12	12	2.17 a	3.15 a	5.35 a	7.25 a	11.2 a	2.55 a	3.88 a	6.67 a	9 a	14.21 a	1.6 a*	2.32 a	3.48 a	4.66 a	7.15 a
	16	2.06 a	3.05 a	5.25 a	7.15 a	11.1 a	2.44 a	3.76 a	6.55 a	8.89 a	14.09 a	1.54 a*	2.26 a	3.43 a	4.61 a	7.1 a
	24	1.85 a	2.85 a	5.05 a	6.95 a	10.89 a	2.22 a	3.52 a	6.31 a	8.66 a	13.85 a	1.41 a*	2.14 a	3.33 a	4.52 a	7.01 a
14	12	1.95 a	2.91 a	4.93 a	6.77 a	10.96 a	2.32 a	3.56 a	6.07 a	8.26 a	13.08 a	1.53 a*	2.25 a	3.42 a	4.6 a	7.09 a
	16	1.81 a	2.78 a	4.8 a	6.63 a	10.8 a	2.17 a	3.4 a	5.91 a	8.1 a	12.91 a	1.44 a*	2.16 a	3.35 a	4.53 a	7.03 a
	24	1.54 a	2.51 a	4.53 a	6.35 a	10.49 a	1.89 a	3.09 a	5.59 a	7.79 a	12.58 a	1.27 a*	2 a	3.21 a	4.4 a	6.9 a
16	12	1.71 a	2.62 a	4.41 a	6.1 a	9.89 a	2.05 a	3.18 a	5.38 a	7.38 a	11.74 a	1.44 a*	2.16 a	3.34 a	4.53 a	7.02 a
	16	1.53 a	2.45 a	4.24 a	5.91 a	9.68 a	1.87 a	2.98 a	5.18 a	7.17 a	11.52 a	1.32 a*	2.05 a	3.25 a	4.44 a	6.93 a
	24	1.2 b	2.12 a	3.91 a	5.57 a	9.28 a	1.52 a	2.61 a	4.79 a	6.79 a	11.09 a	1.1 a*	1.83 a	3.06 a	4.26 a	6.75 a

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



5 psf Lateral Load (Interior Walls Only)

Wall Height (ft)	Spacing (in.) o.c.	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	2.39 a*	3.35 a	5.43 a	7.25 a	11.26 a	2.97 a*	4.47 a	7.74 a	10.29 a	15.98 a
	16	2.36 a*	3.32 a	5.4 a	7.22 a	11.24 a	2.93 a*	4.44 a	7.71 a	10.25 a	15.95 a
	24	2.29 a*	3.26 a	5.35 a	7.16 a	11.18 a	2.86 a*	4.36 a	7.64 a	10.19 a	15.89 a
9	12	2.37 a*	3.33 a	5.41 a	7.22 a	11.24 a	2.94 a*	4.44 a	7.71 a	10.26 a	15.95 a
	16	2.32 a*	3.29 a	5.37 a	7.19 a	11.21 a	2.89 a*	4.39 a	7.67 a	10.21 a	15.91 a
	24	2.24 a*	3.21 a	5.3 a	7.12 a	11.14 a	2.8 a*	4.3 a	7.57 a	10.13 a	15.83 a
10	12	2.33 a*	3.3 a	5.38 a	7.2 a	11.21 a	2.9 a*	4.41 a	7.68 a	10.22 a	15.92 a
	16	2.28 a*	3.25 a	5.34 a	7.15 a	11.17 a	2.85 a*	4.35 a	7.62 a	10.17 a	15.87 a
	24	2.18 a*	3.15 a	5.24 a	7.06 a	11.08 a	2.73 a*	4.23 a	7.5 a	10.06 a	15.77 a
12	12	2.26 a*	3.22 a	5.31 a	7.13 a	11.15 a	2.82 a*	4.32 a	7.59 a	10.14 a	15.84 a
	16	2.18 a*	3.15 a	5.24 a	7.06 a	11.08 a	2.74 a*	4.23 a	7.5 a	10.06 a	15.76 a
	24	2.03 a*	3 a	5.11 a	6.93 a	10.95 a	2.57 a*	4.06 a	7.32 a	9.9 a	15.61 a
14	12	2.17 a*	3.13 a	5.22 a	7.04 a	11.06 a	2.69 a*	4.16 a	7.36 a	9.96 a	15.73 a
	16	2.06 a*	3.03 a	5.13 a	6.95 a	10.96 a	2.58 a*	4.04 a	7.24 a	9.84 a	15.61 a
	24	1.85 a*	2.83 a	4.94 a	6.76 a	10.77 a	2.35 a*	3.8 a	6.99 a	9.61 a	15.38 a
16	12	2.05 a*	3.02 a	5.11 a	6.93 a	10.94 a	2.52 a*	3.93 a	6.95 a	9.46 a	15.15 a
	16	1.92 a*	2.89 a	4.98 a	6.8 a	10.81 a	2.37 a*	3.77 a	6.78 a	9.3 a	15 a
	24	1.64 a*	2.62 a	4.72 a	6.54 a	10.54 a	2.09 a*	3.46 a	6.46 a	9 a	14.68 a

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.37 a	2.1 a	3.55 a	4.66 a	6.98 a	1.09 a	1.72 a	2.95 a	3.98 a	1.44 a	2.2 a	3.74 a	4.96 a	7.41 a	
	16	1.16 a	1.89 a	3.36 a	4.46 a	6.76 a	0.91 a	1.53 a	2.77 a	3.79 a	1.23 a	1.99 a	3.55 a	4.76 a	7.19 a	
	24	0.78 a	1.49 a	2.99 a	4.08 a	6.34 a	0.56 b	1.16 a	2.43 a	3.44 a	0.85 a	1.59 a	3.17 a	4.38 a	6.76 a	
9	12	1.13 a	1.82 a	3.14 a	4.16 a	6.27 a	0.9 a	1.49 a	2.64 a	3.59 a	1.21 a	1.93 a	3.35 a	4.47 a	6.7 a	
	16	0.9 a	1.57 a	2.91 a	3.92 a	6 a	0.68 a	1.26 a	2.43 a	3.37 a	0.97 a	1.67 a	3.12 a	4.23 a	6.43 a	
	24	0.46 c	1.11 b	2.48 a	3.48 a	5.5 a	0.28 c	0.83 b	2.03 a	2.94 a	0.53 c	1.21 a	2.68 a	3.77 a	5.92 a	
10	12	0.9 a	1.53 a	2.71 a	3.63 a	5.51 a	0.7 b	1.25 a	2.31 a	3.16 a	0.97 a	1.64 a	2.93 a	3.94 a	5.95 a	
	16	0.64 c	1.25 a	2.45 a	3.37 a	5.21 a	0.46 c	0.99 b	2.07 a	2.91 a	0.7 b	1.36 a	2.67 a	3.66 a	5.64 a	
	24	0.17 d	0.74 c	1.99 b	2.88 a	4.65 a	0.02 e	0.51 d	1.62 c	2.44 b	0.23 d	0.84 c	2.18 b	3.15 a	5.06 a	
12	12	0.47 d	0.98 c	1.9 b	2.62 a	4.03 a	0.33 d	0.78 c	1.63 b	2.3 a	0.53 d	1.08 b	2.1 a	2.88 a	4.43 a	
	16	0.18 e	0.67 d	1.62 c	2.33 b	3.7 a	0.06 e	0.48 d	1.36 c	2.02 b	0.24 e	0.76 d	1.8 c	2.58 b	4.08 a	
	24	0.13 e	1.13 e	1.81 d	3.11 c					0.89 e	1.51 d	0.2 e	1.29 d	2.03 d	3.46 b	
14	12	0.13 e	0.53 e	1.27 d	1.83 c	2.89 a	0.03 e	0.38 e	1.08 d	1.6 c	0.18 e	0.61 d	1.42 d	2.03 c	3.19 a	
	16		0.22 e	1 e	1.54 d	2.56 c		0.08 e	0.82 e	1.31 d		0.29 e	1.13 e	1.73 d	2.85 c	
	24		0.53 f	1.04 e	1.99 d			0.35 f	0.82 e			0.64 f	1.2 e	2.24 d		
16	12		0.2 f	0.82 e	1.25 d	2.06 c		0.09 f	0.68 e	1.07 e		0.26 e	0.93 e	1.41 d	2.29 c	
	16			0.57 f	0.98 e	1.75 d			0.42 f	0.8 e			0.66 f	1.12 e	1.96 d	
	24			0.13 f	0.51 f	1.21 e			0.34 f				0.19 f	0.62 f	1.39 e	

15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	362S200-(mils)					400S137-(mils)					400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.77 a	2.79 a	4.71 a	6.22 a	9.07 a	1.24 a	1.92 a	3.32 a	4.6 a	1.62 a	2.45 a	4.22 a	5.77 a	8.64 a	
	16	1.55 a	2.56 a	4.49 a	6 a	8.84 a	1.06 a	1.74 a	3.14 a	4.42 a	1.42 a	2.25 a	4.03 a	5.57 a	8.42 a	
	24	1.13 a	2.13 a	4.06 a	5.58 a	8.4 a	0.72 a	1.38 a	2.81 a	4.06 a	1.05 a	1.86 a	3.67 a	5.18 a	7.99 a	
9	12	1.51 a	2.47 a	4.21 a	5.6 a	8.22 a	1.05 a	1.71 a	3.04 a	4.3 a	1.4 a	2.2 a	3.87 a	5.33 a	7.99 a	
	16	1.25 a	2.19 a	3.94 a	5.34 a	7.94 a	0.84 a	1.49 a	2.83 a	4.07 a	1.17 a	1.95 a	3.64 a	5.08 a	7.71 a	
	24	0.76 b	1.68 a	3.44 a	4.84 a	7.41 a	0.44 b	1.06 a	2.43 a	3.63 a	0.73 b	1.49 a	3.2 a	4.6 a	7.19 a	
10	12	1.25 a	2.13 a	3.69 a	4.95 a	7.32 a	0.86 a	1.49 a	2.74 a	3.89 a	1.17 a	1.93 a	3.48 a	4.83 a	7.26 a	
	16	0.95 a	1.82 a	3.38 a	4.64 a	7 a	0.62 b	1.22 a	2.49 a	3.62 a	0.9 a	1.64 a	3.21 a	4.54 a	6.93 a	
	24	0.42 c	1.25 b	2.83 a	4.09 a	6.4 a	0.17 d	0.74 c	2.03 b	3.11 a	0.41 c	1.12 b	2.7 a	3.99 a	6.33 a	
12	12	0.74 c	1.46 a	2.66 a	3.66 a	5.52 a	0.48 c	1.01 b	2.08 a	2.99 a	0.72 b	1.37 a	2.65 a	3.73 a	5.69 a	
	16	0.41 d	1.11 c	2.32 b	3.32 a	5.16 a	0.19 d	0.7 c	1.78 b	2.67 a	0.41 d	1.03 c	2.33 b	3.38 a	5.3 a	
	24	0.49 d	1.73 d	2.72 c	4.49 a			0.14 e	1.26 d	2.09 c		0.43 d	1.75 d	2.76 c	4.6 a	
14	12	0.32 e	0.9 d	1.82 c	2.61 b	4.05 a	0.15 e	0.58 d	1.46 c	2.15 b	0.33 d	0.86 c	1.89 c	2.7 a	4.21 a	
	16		0.54 e	1.49 d	2.28 c	3.68 b		0.25 e	1.15 d	1.82 d	0.01 e	0.5 d	1.56 d	2.35 c	3.81 a	
	24		0.92 e	1.69 e	3.03 d			0.62 e	1.24 e			0.98 e	1.73 d	3.11 c		
16	12	0.01 f	0.46 e	1.22 d	1.85 d	2.97 b		0.23 e	0.97 e	1.49 d	0.03 e	0.44 e	1.3 d	1.92 c	3.08 b	
	16		0.12 f	0.91 e	1.53 e	2.61 d			0.67 e	1.17 e		0.09 e	0.97 e	1.58 d	2.7 c	
	24		0.38 f	0.98 f	1.99 e			0.16 f	0.62 f			0.42 f	0.98 e	2.03 e		

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.97 a	3.1 a	5.32 a	7.19 a	10.57 a	2.08 a	3.09 a	5.36 a	7.19 a	11.07 a	1.54 a	2.28 a	3.62 a	4.87 a	7.4 a
	16	1.76 a	2.88 a	5.1 a	6.97 a	10.34 a	1.93 a	2.95 a	5.22 a	7.06 a	10.94 a	1.42 a	2.17 a	3.53 a	4.77 a	7.32 a
	24	1.35 a	2.46 a	4.68 a	6.55 a	9.9 a	1.64 a	2.68 a	4.96 a	6.81 a	10.68 a	1.19 a	1.95 a	3.34 a	4.59 a	7.16 a
9	12	1.73 a	2.8 a	4.86 a	6.63 a	9.77 a	1.94 a	2.94 a	5.2 a	7.07 a	10.94 a	1.44 a	2.18 a	3.54 a	4.78 a	7.33 a
	16	1.47 a	2.53 a	4.59 a	6.36 a	9.49 a	1.75 a	2.77 a	5.03 a	6.9 a	10.77 a	1.29 a	2.04 a	3.41 a	4.66 a	7.22 a
	24	0.99 a	2.03 a	4.09 a	5.84 a	8.94 a	1.38 a	2.42 a	4.69 a	6.56 a	10.43 a	1.01 a	1.76 a	3.17 a	4.42 a	7.02 a
10	12	1.47 a	2.48 a	4.36 a	6.01 a	8.89 a	1.77 a	2.77 a	4.97 a	6.9 a	10.78 a	1.33 a	2.07 a	3.44 a	4.68 a	7.24 a
	16	1.18 a	2.17 a	4.05 a	5.69 a	8.55 a	1.54 a	2.56 a	4.76 a	6.69 a	10.56 a	1.15 a	1.9 a	3.29 a	4.53 a	7.11 a
	24	0.64 b	1.59 a	3.47 a	5.1 a	7.92 a	1.1 a	2.14 a	4.34 a	6.26 a	10.12 a	0.8 a	1.55 a	2.98 a	4.23 a	6.85 a
12	12	0.96 b	1.81 a	3.33 a	4.69 a	7.04 a	1.39 a	2.36 a	4.4 a	6.22 a	10.3 a	1.07 a	1.81 a	3.2 a	4.44 a	7.02 a
	16	0.61 c	1.44 b	2.96 a	4.31 a	6.63 a	1.08 a	2.07 a	4.1 a	5.91 a	9.96 a	0.82 a	1.56 a	2.97 a	4.21 a	6.82 a
	24	0.78 d	2.31 c	3.62 b	5.88 a	0.52 b	1.51 a	3.54 a	5.32 a	9.29 a	0.35 b	1.08 a	2.54 a	3.78 a	6.43 a	
14	12	0.5 d	1.21 c	2.39 b	3.44 a	5.29 a	0.97 a	1.9 a	3.71 a	5.36 a	9.01 a	0.78 a	1.5 a	2.9 a	4.12 a	6.72 a
	16	0.14 e	0.81 d	2.02 c	3.05 b	4.86 a	0.61 c	1.53 a	3.34 a	4.97 a	8.55 a	0.46 b	1.17 a	2.59 a	3.81 a	6.43 a
	24	0.13 e	1.36 e	2.36 d	4.11 c		0.86 c	2.66 b	4.24 a	7.72 a		0.57 c	2.02 b	3.23 a	5.88 a	
16	12	0.14 e	0.71 d	1.67 d	2.48 c	3.93 a	0.58 c	1.41 b	2.98 a	4.42 a	7.55 a	0.46 c	1.16 a	2.53 a	3.73 a	6.32 a
	16		0.32 e	1.3 e	2.1 d	3.52 c	0.18 d	1.01 c	2.57 b	3.97 a	7.03 a	0.09 d	0.76 c	2.15 b	3.33 a	5.94 a
	24			0.68 f	1.45 e	2.79 d		0.28 e	1.84 d	3.18 c	6.11 b		0.05 d	1.47 d	2.61 c	5.22 a

15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2.14 a	3.14 a	5.37 a	7.22 a	11.18 a	2.57 a	4.01 a	7.16 a	9.69 a	15.37 a	1.55 a*	2.27 a	3.44 a	4.62 a	7.12 a
	16	2 a	3.02 a	5.25 a	7.1 a	11.06 a	2.43 a	3.86 a	7.01 a	9.55 a	15.23 a	1.46 a*	2.19 a	3.38 a	4.56 a	7.06 a
	24	1.73 a	2.77 a	5.02 a	6.88 a	10.84 a	2.15 a	3.56 a	6.71 a	9.27 a	14.95 a	1.3 a*	2.03 a	3.25 a	4.44 a	6.94 a
9	12	2.02 a	3.03 a	5.26 a	7.11 a	11.07 a	2.43 a	3.84 a	6.92 a	9.43 a	15.02 a	1.48 a*	2.2 a	3.39 a	4.57 a	7.07 a
	16	1.85 a	2.87 a	5.11 a	6.96 a	10.92 a	2.26 a	3.65 a	6.73 a	9.25 a	14.84 a	1.37 a*	2.1 a	3.31 a	4.5 a	6.99 a
	24	1.51 a	2.56 a	4.81 a	6.67 a	10.63 a	1.9 a	3.27 a	6.35 a	8.89 a	14.48 a	1.17 a*	1.91 a	3.14 a	4.34 a	6.85 a
10	12	1.89 a	2.91 a	5.14 a	6.98 a	10.94 a	2.28 a	3.65 a	6.65 a	9.12 a	14.6 a	1.4 a*	2.13 a	3.33 a	4.51 a	7.01 a
	16	1.67 a	2.71 a	4.94 a	6.8 a	10.75 a	2.06 a	3.41 a	6.41 a	8.89 a	14.37 a	1.27 a*	2.01 a	3.23 a	4.42 a	6.92 a
	24	1.26 a	2.32 a	4.57 a	6.43 a	10.38 a	1.63 a	2.96 a	5.94 a	8.45 a	13.92 a	1.02 a*	1.76 a	3.03 a	4.23 a	6.74 a
12	12	1.54 a	2.56 a	4.76 a	6.66 a	10.6 a	1.91 a	3.19 a	5.96 a	8.33 a	13.5 a	1.22 a*	1.96 a	3.18 a	4.37 a	6.88 a
	16	1.25 a	2.28 a	4.48 a	6.37 a	10.3 a	1.6 a	2.86 a	5.63 a	8 a	13.16 a	1.04 a*	1.78 a	3.03 a	4.23 a	6.74 a
	24	0.7 a	1.75 a	3.94 a	5.82 a	9.74 a	1.03 a	2.24 a	4.98 a	7.37 a	12.5 a	0.68 a*	1.43 a	2.74 a	3.95 a	6.47 a
14	12	1.15 a	2.13 a	4.15 a	5.95 a	10.05 a	1.49 a	2.65 a	5.14 a	7.34 a	12.1 a	1.01 a*	1.75 a	3 a	4.2 a	6.71 a
	16	0.79 a	1.78 a	3.79 a	5.58 a	9.63 a	1.11 a	2.24 a	4.71 a	6.92 a	11.64 a	0.77 a*	1.51 a	2.8 a	4 a	6.52 a
	24	0.14 c	1.12 b	3.11 a	4.87 a	8.83 a	0.42 c	1.48 a	3.92 a	6.13 a	10.78 a	0.29 a*	1.04 a	2.41 a	3.62 a	6.14 a
16	12	0.75 b	1.67 a	3.45 a	5.08 a	8.73 a	1.05 a	2.09 a	4.26 a	6.25 a	10.5 a	0.77 a*	1.51 a	2.79 a	3.99 a	6.49 a
	16	0.35 c	1.26 b	3.03 a	4.64 a	8.22 a	0.62 c	1.62 a	3.76 a	5.75 a	9.94 a	0.46 a*	1.2 a	2.53 a	3.73 a	6.24 a
	24	0.51 d	2.28 c	3.82 b	7.28 a		0.77 c	2.88 b	4.85 a	8.92 a		0.61 a	2.02 a	3.22 a	5.74 a	

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	800S162-(mils)					800S200-(mils)				
		33 ksi			50 ksi		33 ksi			50 ksi	
		33	43	54	68	97	33	43	54	68	97
8	12	2.2 a*	3.17 a	5.26 a	7.08 a	11.1 a	2.75 a*	4.25 a	7.53 a	10.09 a	15.8 a
	16	2.1 a*	3.07 a	5.18 a	7 a	11.02 a	2.65 a*	4.14 a	7.42 a	9.99 a	15.7 a
	24	1.9 a*	2.89 a	5.01 a	6.84 a	10.86 a	2.44 a*	3.93 a	7.21 a	9.8 a	15.52 a
9	12	2.12 a*	3.09 a	5.19 a	7.01 a	11.03 a	2.67 a*	4.16 a	7.44 a	10 a	15.71 a
	16	1.99 a*	2.97 a	5.08 a	6.91 a	10.93 a	2.53 a*	4.02 a	7.3 a	9.88 a	15.59 a
	24	1.75 a*	2.73 a	4.87 a	6.69 a	10.72 a	2.27 a*	3.74 a	7.02 a	9.63 a	15.35 a
10	12	2.02 a*	3 a	5.11 a	6.93 a	10.95 a	2.57 a*	4.05 a	7.33 a	9.91 a	15.62 a
	16	1.87 a*	2.85 a	4.97 a	6.8 a	10.82 a	2.4 a*	3.88 a	7.15 a	9.75 a	15.46 a
	24	1.57 a*	2.56 a	4.7 a	6.53 a	10.56 a	2.07 a*	3.54 a	6.81 a	9.43 a	15.16 a
12	12	1.81 a*	2.79 a	4.91 a	6.73 a	10.75 a	2.33 a*	3.8 a	7.06 a	9.66 a	15.37 a
	16	1.59 a*	2.57 a	4.71 a	6.53 a	10.55 a	2.09 a*	3.55 a	6.81 a	9.42 a	15.14 a
	24	1.16 a*	2.15 a	4.31 a	6.15 a	10.17 a	1.63 a*	3.05 a	6.3 a	8.95 a	14.68 a
14	12	1.55 a*	2.53 a	4.65 a	6.48 a	10.49 a	2.03 a*	3.45 a	6.63 a	9.28 a	15.04 a
	16	1.25 a*	2.24 a	4.38 a	6.2 a	10.21 a	1.71 a*	3.11 a	6.28 a	8.94 a	14.71 a
	24	0.69 a*	1.68 a	3.84 a	5.67 a	9.66 a	1.1 a*	2.46 a	5.59 a	8.29 a	14.05 a
16	12	1.25 a*	2.23 a	4.35 a	6.16 a	10.15 a	1.68 a*	3.02 a	6 a	8.55 a	14.23 a
	16	0.88 a*	1.86 a	3.98 a	5.8 a	9.77 a	1.28 a*	2.59 a	5.55 a	8.13 a	13.78 a
	24	0.19 b*	1.15 a	3.29 a	5.09 a	9.04 a	0.54 a*	1.79 a	4.71 a	7.3 a	12.92 a

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



20 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	1.16 a	1.89 a	3.36 a	4.46 a	6.76 a	0.91 a	1.53 a	2.77 a	3.79 a	1.23 a	1.99 a	3.55 a	4.76 a	7.19 a	
	16	0.9 a	1.62 a	3.11 a	4.21 a	6.48 a	0.67 a	1.28 a	2.54 a	3.56 a	0.98 a	1.72 a	3.3 a	4.5 a	6.9 a	
	24	0.43 c	1.11 b	2.64 a	3.72 a	5.93 a	0.24 c	0.81 b	2.11 a	3.1 a	0.5 b	1.21 a	2.82 a	4.01 a	6.35 a	
9	12	0.9 a	1.57 a	2.91 a	3.92 a	6 a	0.68 a	1.26 a	2.43 a	3.37 a	0.97 a	1.67 a	3.12 a	4.23 a	6.43 a	
	16	0.6 c	1.26 a	2.62 a	3.62 a	5.66 a	0.41 c	0.97 b	2.16 a	3.08 a	0.67 b	1.36 a	2.82 a	3.92 a	6.09 a	
	24	0.07 d	0.69 c	2.08 b	3.06 a	5.02 a	0.44 d	1.66 c	2.55 b	0.13 d	0.78 c	2.27 b	3.34 a	5.44 a		
10	12	0.64 c	1.25 a	2.45 a	3.37 a	5.21 a	0.46 c	0.99 b	2.07 a	2.91 a	0.7 b	1.36 a	2.67 a	3.66 a	5.64 a	
	16	0.32 d	0.91 c	2.14 b	3.03 a	4.83 a	0.16 d	0.66 c	1.77 b	2.59 a	0.38 d	1.01 c	2.34 a	3.32 a	5.25 a	
	24	0.29 d	1.56 d	2.43 c	4.13 a		0.09 e	1.22 d	2.01 c		0.38 d	1.74 c	2.69 b	4.53 a		
12	12	0.18 e	0.67 d	1.62 c	2.33 b	3.7 a	0.06 e	0.48 d	1.36 c	2.02 b	0.24 e	0.76 d	1.8 c	2.58 b	4.08 a	
	16		0.3 e	1.29 d	1.97 c	3.3 b		0.13 e	1.04 d	1.67 d		0.38 e	1.45 d	2.2 c	3.66 b	
	24			0.71 e	1.35 e	2.58 d			0.48 e	1.06 e			0.84 e	1.55 e	2.9 d	
14	12		0.22 e	1 e	1.54 d	2.56 c			0.08 e	0.82 e	1.31 d		0.29 e	1.13 e	1.73 d	2.85 c
	16			0.68 e	1.2 e	2.17 d				0.5 f	0.97 e			0.79 e	1.36 e	2.43 d
	24			0.13 f	0.6 f	1.49 e				0.39 f			0.2 f	0.73 f	1.71 e	
16	12			0.57 f	0.98 e	1.75 d				0.42 f	0.8 e			0.66 f	1.12 e	1.96 d
	16			0.26 f	0.66 f	1.38 e				0.13 f	0.49 f			0.34 f	0.77 f	1.57 e
	24				0.11 f	0.75 f								0.19 f	0.9 f	

20 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	362S200-(mils)					400S137-(mils)					400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	1.55 a	2.56 a	4.49 a	6 a	8.84 a	1.06 a	1.74 a	3.14 a	4.42 a	1.42 a	2.25 a	4.03 a	5.57 a	8.42 a	
	16	1.27 a	2.27 a	4.2 a	5.72 a	8.54 a	0.83 a	1.5 a	2.92 a	4.18 a	1.17 a	1.99 a	3.79 a	5.31 a	8.13 a	
	24	0.74 b	1.71 a	3.65 a	5.18 a	7.97 a	0.4 b	1.04 a	2.5 a	3.72 a	0.7 a	1.5 a	3.32 a	4.81 a	7.58 a	
9	12	1.25 a	2.19 a	3.94 a	5.34 a	7.94 a	0.84 a	1.49 a	2.83 a	4.07 a	1.17 a	1.95 a	3.64 a	5.08 a	7.71 a	
	16	0.92 a	1.85 a	3.6 a	5 a	7.58 a	0.57 b	1.2 a	2.56 a	3.77 a	0.87 a	1.64 a	3.34 a	4.76 a	7.36 a	
	24	0.32 c	1.21 b	2.97 a	4.37 a	6.91 a	0.07 d	0.67 c	2.06 a	3.21 a	0.33 c	1.07 b	2.78 a	4.16 a	6.7 a	
10	12	0.95 a	1.82 a	3.38 a	4.64 a	7 a	0.62 b	1.22 a	2.49 a	3.62 a	0.9 a	1.64 a	3.21 a	4.54 a	6.93 a	
	16	0.59 c	1.43 b	3 a	4.27 a	6.59 a	0.31 c	0.89 b	2.18 a	3.28 a	0.57 c	1.29 a	2.87 a	4.17 a	6.52 a	
	24	0.74 d	2.32 c	3.58 b	5.84 a		0.3 d	1.61 c	2.65 b		0.64 c	2.24 b	3.48 a	5.76 a		
12	12	0.41 d	1.11 c	2.32 b	3.32 a	5.16 a	0.19 d	0.7 c	1.78 b	2.67 a	0.41 d	1.03 c	2.33 b	3.38 a	5.3 a	
	16	0.01 e	0.69 d	1.92 c	2.91 b	4.71 a		0.32 d	1.42 d	2.27 c	0.04 e	0.62 d	1.94 c	2.96 b	4.82 a	
	24			1.21 e	2.19 d	3.9 c			0.79 e	1.58 d			1.25 e	2.2 d	3.96 c	
14	12		0.54 e	1.49 d	2.28 c	3.68 b		0.25 e	1.15 d	1.82 d	0.01 e	0.5 d	1.56 d	2.35 c	3.81 a	
	16		0.12 e	1.1 e	1.88 d	3.23 c			0.79 e	1.42 e		0.08 e	1.16 e	1.92 d	3.33 c	
	24		0.43 f	1.18 e	2.45 e				0.15 f	0.73 f			0.48 f	1.18 e	2.49 d	
16	12		0.12 f	0.91 e	1.53 e	2.61 d			0.67 e	1.17 e		0.09 e	0.97 e	1.58 d	2.7 c	
	16			0.54 f	1.15 e	2.19 e			0.32 f	0.8 f			0.59 f	1.17 e	2.24 d	
	24				0.5 f	1.46 f				0.15 f			0.48 f	1.45 e		

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



20 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.76 a	2.88 a	5.1 a	6.97 a	10.34 a	1.93 a	2.95 a	5.22 a	7.06 a	10.94 a	1.42 a	2.17 a	3.53 a	4.77 a	7.32 a
	16	1.48 a	2.6 a	4.82 a	6.69 a	10.05 a	1.74 a	2.77 a	5.05 a	6.89 a	10.77 a	1.27 a	2.02 a	3.4 a	4.65 a	7.21 a
	24	0.97 a	2.06 a	4.28 a	6.14 a	9.48 a	1.35 a	2.41 a	4.7 a	6.55 a	10.42 a	0.97 a	1.73 a	3.15 a	4.4 a	7 a
9	12	1.47 a	2.53 a	4.59 a	6.36 a	9.49 a	1.75 a	2.77 a	5.03 a	6.9 a	10.77 a	1.29 a	2.04 a	3.41 a	4.66 a	7.22 a
	16	1.15 a	2.19 a	4.25 a	6.01 a	9.12 a	1.5 a	2.54 a	4.8 a	6.67 a	10.54 a	1.1 a	1.85 a	3.25 a	4.5 a	7.09 a
	24	0.55 b	1.56 a	3.61 a	5.36 a	8.43 a	1.03 a	2.09 a	4.36 a	6.23 a	10.09 a	0.73 a	1.48 a	2.93 a	4.19 a	6.81 a
10	12	1.18 a	2.17 a	4.05 a	5.69 a	8.55 a	1.54 a	2.56 a	4.76 a	6.69 a	10.56 a	1.15 a	1.9 a	3.29 a	4.53 a	7.11 a
	16	0.81 b	1.78 a	3.66 a	5.29 a	8.13 a	1.24 a	2.28 a	4.48 a	6.4 a	10.26 a	0.92 a	1.67 a	3.08 a	4.33 a	6.94 a
	24	0.15 d	1.07 c	2.94 a	4.54 a	7.33 a	0.69 a	1.74 a	3.94 a	5.85 a	9.7 a	0.47 a	1.22 a	2.69 a	3.94 a	6.59 a
12	12	0.61 c	1.44 b	2.96 a	4.31 a	6.63 a	1.08 a	2.07 a	4.1 a	5.91 a	9.96 a	0.82 a	1.56 a	2.97 a	4.21 a	6.82 a
	16	0.2 d	0.99 c	2.52 b	3.84 a	6.12 a	0.7 b	1.69 a	3.72 a	5.51 a	9.51 a	0.5 a	1.24 a	2.68 a	3.92 a	6.56 a
	24	0.2 e	1.73 d	3.01 c	5.21 b			0.99 b	3.01 a	4.77 a	8.67 a		0.63 b	2.13 a	3.36 a	6.05 a
14	12	0.14 e	0.81 d	2.02 c	3.05 b	4.86 a	0.61 c	1.53 a	3.34 a	4.97 a	8.55 a	0.46 b	1.17 a	2.59 a	3.81 a	6.43 a
	16		0.35 e	1.57 d	2.58 c	4.35 b	0.17 d	1.08 c	2.88 b	4.48 a	7.99 a	0.07 d	0.76 b	2.21 a	3.42 a	6.06 a
	24		0.79 e	1.76 e	3.44 d		0.26 d	2.05 d	3.59 c	6.96 a		0.01 d	1.5 c	2.68 b	5.36 a	
16	12		0.32 e	1.3 e	2.1 d	3.52 c	0.18 d	1.01 c	2.57 b	3.97 a	7.03 a	0.09 d	0.76 c	2.15 b	3.33 a	5.94 a
	16			0.87 e	1.66 e	3.02 d		0.51 d	2.07 d	3.43 c	6.4 a		0.28 d	1.69 c	2.84 b	5.45 a
	24			0.14 f	0.89 f	2.17 e			1.19 e	2.48 d	5.29 c		0.85 e	1.95 d	4.57 c	

20 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2 a	3.02 a	5.25 a	7.1 a	11.06 a	2.43 a	3.86 a	7.01 a	9.55 a	15.23 a	1.46 a*	2.19 a	3.38 a	4.56 a	7.06 a
	16	1.82 a	2.85 a	5.1 a	6.95 a	10.92 a	2.25 a	3.66 a	6.81 a	9.36 a	15.04 a	1.35 a*	2.09 a	3.29 a	4.48 a	6.98 a
	24	1.47 a	2.53 a	4.79 a	6.65 a	10.62 a	1.88 a	3.27 a	6.42 a	9 a	14.67 a	1.14 a*	1.88 a	3.12 a	4.32 a	6.83 a
9	12	1.85 a	2.87 a	5.11 a	6.96 a	10.92 a	2.26 a	3.65 a	6.73 a	9.25 a	14.84 a	1.37 a*	2.1 a	3.31 a	4.5 a	6.99 a
	16	1.62 a	2.66 a	4.91 a	6.77 a	10.73 a	2.02 a	3.4 a	6.48 a	9.01 a	14.6 a	1.24 a*	1.97 a	3.2 a	4.39 a	6.9 a
	24	1.18 a	2.25 a	4.52 a	6.38 a	10.35 a	1.56 a	2.91 a	5.98 a	8.54 a	14.12 a	0.96 a*	1.71 a	2.98 a	4.19 a	6.7 a
10	12	1.67 a	2.71 a	4.94 a	6.8 a	10.75 a	2.06 a	3.41 a	6.41 a	8.89 a	14.37 a	1.27 a*	2.01 a	3.23 a	4.42 a	6.92 a
	16	1.4 a	2.45 a	4.69 a	6.55 a	10.5 a	1.77 a	3.11 a	6.1 a	8.59 a	14.07 a	1.1 a*	1.84 a	3.09 a	4.29 a	6.8 a
	24	0.86 a	1.94 a	4.2 a	6.06 a	10.02 a	1.22 a	2.51 a	5.49 a	8.02 a	13.47 a	0.77 a*	1.52 a	2.83 a	4.03 a	6.55 a
12	12	1.25 a	2.28 a	4.48 a	6.37 a	10.3 a	1.6 a	2.86 a	5.63 a	8 a	13.16 a	1.04 a*	1.78 a	3.03 a	4.23 a	6.74 a
	16	0.88 a	1.92 a	4.11 a	6 a	9.92 a	1.22 a	2.44 a	5.19 a	7.58 a	12.72 a	0.8 a*	1.55 a	2.84 a	4.04 a	6.56 a
	24	0.19 c	1.24 a	3.43 a	5.3 a	9.19 a	0.5 b	1.66 a	4.37 a	6.77 a	11.86 a	0.33 a*	1.09 a	2.46 a	3.67 a	6.2 a
14	12	0.79 a	1.78 a	3.79 a	5.58 a	9.63 a	1.11 a	2.24 a	4.71 a	6.92 a	11.64 a	0.77 a*	1.51 a	2.8 a	4 a	6.52 a
	16	0.35 c	1.33 b	3.33 a	5.1 a	9.09 a	0.64 b	1.73 a	4.18 a	6.38 a	11.06 a	0.45 a*	1.19 a	2.54 a	3.74 a	6.26 a
	24	0.52 d	2.52 c	2.5 c	4.21 a	8.09 a		0.79 c	3.19 b	5.39 a	9.97 a		0.59 a	2.02 a	3.24 a	5.77 a
16	12	0.35 c	1.26 b	3.03 a	4.64 a	8.22 a	0.62 c	1.62 a	3.76 a	5.75 a	9.94 a	0.46 a*	1.2 a	2.53 a	3.73 a	6.24 a
	16		0.75 d	2.52 c	4.08 a	7.58 a	0.1 d	1.04 c	3.16 b	5.14 a	9.25 a	0.07 b*	0.8 a	2.18 a	3.39 a	5.9 a
	24		1.6 d	3.09 c	6.44 b		0.01 d	2.09 d	4.03 c	8.01 a		0.06 c	1.53 b	2.74 a	5.25 a	

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



20 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	2.1 a*	3.07 a	5.18 a	7 a	11.02 a	2.65 a*	4.14 a	7.42 a	9.99 a	15.7 a
	16	1.97 a*	2.95 a	5.07 a	6.89 a	10.91 a	2.51 a*	4 a	7.28 a	9.86 a	15.58 a
	24	1.71 a*	2.7 a	4.84 a	6.67 a	10.7 a	2.23 a*	3.71 a	6.99 a	9.6 a	15.33 a
9	12	1.99 a*	2.97 a	5.08 a	6.91 a	10.93 a	2.53 a*	4.02 a	7.3 a	9.88 a	15.59 a
	16	1.83 a*	2.81 a	4.94 a	6.77 a	10.79 a	2.36 a*	3.84 a	7.11 a	9.71 a	15.43 a
	24	1.5 a*	2.5 a	4.65 a	6.49 a	10.51 a	2.01 a*	3.47 a	6.75 a	9.38 a	15.11 a
10	12	1.87 a*	2.85 a	4.97 a	6.8 a	10.82 a	2.4 a*	3.88 a	7.15 a	9.75 a	15.46 a
	16	1.67 a*	2.65 a	4.79 a	6.62 a	10.65 a	2.18 a*	3.65 a	6.93 a	9.54 a	15.26 a
	24	1.27 a*	2.27 a	4.44 a	6.27 a	10.3 a	1.75 a*	3.2 a	6.47 a	9.12 a	14.86 a
12	12	1.59 a*	2.57 a	4.71 a	6.53 a	10.55 a	2.09 a*	3.55 a	6.81 a	9.42 a	15.14 a
	16	1.3 a*	2.29 a	4.44 a	6.27 a	10.29 a	1.78 a*	3.22 a	6.47 a	9.11 a	14.83 a
	24	0.74 a*	1.74 a	3.93 a	5.76 a	9.78 a	1.17 a*	2.57 a	5.81 a	8.49 a	14.23 a
14	12	1.25 a*	2.24 a	4.38 a	6.2 a	10.21 a	1.71 a*	3.11 a	6.28 a	8.94 a	14.71 a
	16	0.87 a*	1.86 a	4.02 a	5.84 a	9.84 a	1.3 a*	2.67 a	5.82 a	8.51 a	14.27 a
	24	0.15 b*	1.14 a	3.32 a	5.14 a	9.13 a	0.52 a*	1.83 a	4.94 a	7.66 a	13.41 a
16	12	0.88 a*	1.86 a	3.98 a	5.8 a	9.77 a	1.28 a*	2.59 a	5.55 a	8.13 a	13.78 a
	16	0.41 b*	1.38 a	3.52 a	5.32 a	9.28 a	0.78 a*	2.05 a	4.98 a	7.57 a	13.2 a
	24		0.49 b	2.63 a	4.42 a	8.34 a		1.03 a	3.91 a	6.52 a	12.09 a

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



25 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	0.97 a	1.68 a	3.17 a	4.27 a	6.55 a	0.73 a	1.34 a	2.6 a	3.61 a	1.04 a	1.78 a	3.36 a	4.57 a	6.97 a	
	16	0.66 b	1.36 a	2.87 a	3.96 a	6.2 a	0.45 b	1.04 a	2.32 a	3.32 a	0.73 a	1.46 a	3.05 a	4.25 a	6.62 a	
	24	0.09 d	0.76 c	2.3 b	3.38 a	5.54 a	0.49 c	1.81 b	2.78 a	0.16 c	0.86 b	2.48 a	3.66 a	5.96 a		
9	12	0.67 b	1.33 a	2.69 a	3.7 a	5.74 a	0.48 c	1.04 a	2.23 a	3.15 a	0.74 b	1.44 a	2.89 a	3.99 a	6.17 a	
	16	0.33 d	0.96 b	2.34 a	3.34 a	5.34 a	0.16 d	0.7 c	1.9 b	2.81 a	0.39 c	1.06 b	2.54 a	3.62 a	5.76 a	
	24	0.29 d	1.71 c	2.68 b	4.58 a		0.07 d	1.32 d	2.18 c		0.39 d	1.89 c	2.94 b	4.99 a		
10	12	0.39 d	0.99 c	2.21 a	3.12 a	4.92 a	0.23 d	0.74 c	1.84 b	2.67 a	0.46 c	1.09 b	2.42 a	3.4 a	5.34 a	
	16	0.02 e	0.59 d	1.84 c	2.72 b	4.47 a		0.37 d	1.49 c	2.29 b	0.08 d	0.68 d	2.03 c	2.99 a	4.88 a	
	24		1.17 d	2.02 d	3.66 c			0.85 e	1.61 d			1.34 d	2.26 c	4.04 b		
12	12		0.39 e	1.37 d	2.06 c	3.39 b		0.21 e	1.12 d	1.75 c		0.47 d	1.54 d	2.29 c	3.76 a	
	16			0.99 e	1.65 d	2.93 c			0.75 e	1.36 d	0.03 e	1.13 e	1.86 d	3.27 c		
	24			0.32 f	0.94 e	2.11 e			0.1 f	0.66 e	0.43 f	1.11 e	2.4 d			
14	12			0.76 e	1.28 e	2.26 d			0.58 e	1.06 e			0.87 e	1.45 e	2.53 d	
	16			0.39 f	0.89 e	1.81 e			0.22 f	0.67 f	0.01 f		0.49 f	1.04 e	2.06 e	
	24			0.21 f	1.04 f							0.41 f	0.85 f	1.67 e		
16	12			0.34 f	0.73 f	1.47 e			0.2 f	0.56 f	0.2 f		0.05 f	0.47 f	1.22 f	
	16				0.37 f	1.05 f							0.02 f	0.94 f		
	24				0.34 f											

25 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	362S200-(mils)					400S137-(mils)					400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.34 a	2.34 a	4.27 a	5.79 a	8.62 a	0.89 a	1.56 a	2.98 a	4.24 a	1.23 a	2.05 a	3.85 a	5.37 a	8.2 a	
	16	1 a	1.99 a	3.92 a	5.45 a	8.26 a	0.61 a	1.27 a	2.71 a	3.95 a	0.93 a	1.74 a	3.55 a	5.06 a	7.86 a	
	24	0.37 c	1.33 a	3.26 a	4.79 a	7.56 a	0.1 c	0.72 b	2.19 a	3.39 a	0.37 b	1.15 a	2.98 a	4.45 a	7.19 a	
9	12	1 a	1.93 a	3.68 a	5.08 a	7.67 a	0.64 a	1.27 a	2.63 a	3.84 a	0.94 a	1.72 a	3.41 a	4.84 a	7.45 a	
	16	0.61 c	1.52 a	3.28 a	4.68 a	7.24 a	0.32 c	0.93 b	2.31 a	3.49 a	0.59 b	1.35 a	3.06 a	4.45 a	7.02 a	
	24	0.78 c	2.54 b	3.93 a	6.43 a		0.29 d	1.7 c	2.82 b		0.66 c	2.39 b	3.73 a	6.22 a		
10	12	0.68 c	1.52 a	3.1 a	4.36 a	6.69 a	0.39 c	0.97 b	2.26 a	3.36 a	0.65 b	1.38 a	2.95 a	4.26 a	6.62 a	
	16	0.25 d	1.07 c	2.65 b	3.91 a	6.21 a	0.03 d	0.59 c	1.89 b	2.95 a	0.26 d	0.96 b	2.54 a	3.82 a	6.13 a	
	24	0.27 d	1.86 d	3.1 c	5.32 a			1.22 d	2.21 c		0.2 d	1.81 c	3.01 b	5.23 a		
12	12	0.11 e	0.79 d	2.01 c	3.01 b	4.82 a		0.41 d	1.51 c	2.37 b	0.13 d	0.72 d	2.03 c	3.06 b	4.94 a	
	16		0.3 e	1.55 d	2.53 c	4.29 b			1.09 d	1.91 d	0.25 e	1.58 d	2.56 c	4.38 b		
	24		0.74 e	1.7 e	3.36 d			0.37 e	1.11 e		0.78 e	1.69 e	3.39 d			
14	12		0.22 e	1.2 e	1.97 d	3.34 c			0.88 e	1.51 d		0.18 e	1.26 e	2.02 d	3.45 c	
	16			0.75 e	1.51 e	2.83 d			0.46 f	1.06 e	0.28 f		0.81 e	1.54 e	2.9 d	
	24				0.72 f	1.94 e				0.4 f	0.89 e	0.46 f		0.03 f	0.7 f	1.94 e
16	12			0.63 f	1.24 e	2.29 d				0.4 f	0.89 e		0.69 e	1.27 e	2.35 d	
	16			0.22 f	0.81 f	1.81 e					0.26 f		0.81 f	1.83 e		
	24			0.08 f	0.98 f						0.02 f		0.94 f			

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



25 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.55 a	2.67 a	4.89 a	6.76 a	10.12 a	1.79 a	2.82 a	5.09 a	6.93 a	10.81 a	1.31 a	2.06 a	3.43 a	4.68 a	7.24 a
	16	1.22 a	2.32 a	4.55 a	6.41 a	9.76 a	1.54 a	2.59 a	4.87 a	6.72 a	10.59 a	1.12 a	1.87 a	3.27 a	4.53 a	7.11 a
	24	0.6 b	1.67 a	3.89 a	5.75 a	9.06 a	1.07 a	2.14 a	4.44 a	6.3 a	10.17 a	0.75 a	1.51 a	2.96 a	4.22 a	6.85 a
9	12	1.23 a	2.28 a	4.34 a	6.1 a	9.21 a	1.56 a	2.59 a	4.86 a	6.73 a	10.6 a	1.15 a	1.9 a	3.29 a	4.54 a	7.12 a
	16	0.84 a	1.87 a	3.92 a	5.68 a	8.77 a	1.26 a	2.31 a	4.58 a	6.45 a	10.32 a	0.91 a	1.67 a	3.09 a	4.34 a	6.95 a
	24	0.14 c	1.12 b	3.16 a	4.89 a	7.93 a	0.69 a	1.76 a	4.04 a	5.91 a	9.76 a	0.46 a	1.21 a	2.7 a	3.96 a	6.61 a
10	12	0.9 a	1.87 a	3.75 a	5.39 a	8.23 a	1.32 a	2.34 a	4.55 a	6.47 a	10.34 a	0.97 a	1.72 a	3.13 a	4.38 a	6.98 a
	16	0.47 c	1.41 b	3.29 a	4.91 a	7.72 a	0.96 a	2 a	4.21 a	6.13 a	9.98 a	0.69 a	1.44 a	2.89 a	4.14 a	6.76 a
	24	0.59 d	2.45 c	4.03 b	6.77 a	0.29 b	1.35 a	3.56 a	5.46 a	9.28 a	0.14 b	0.89 a	2.4 a	3.65 a	6.34 a	
12	12	0.3 d	1.1 c	2.62 b	3.95 a	6.24 a	0.79 a	1.78 a	3.82 a	5.61 a	9.62 a	0.58 a	1.32 a	2.75 a	3.99 a	6.62 a
	16		0.58 d	2.11 c	3.41 b	5.65 a	0.34 c	1.33 a	3.36 a	5.13 a	9.08 a	0.2 b	0.93 a	2.4 a	3.64 a	6.3 a
	24			1.2 e	2.45 d	4.59 c		0.5 c	2.51 b	4.24 a	8.07 a		0.2 c	1.73 b	2.96 a	5.68 a
14	12		0.46 e	1.67 d	2.69 c	4.47 b	0.28 d	1.19 b	2.99 a	4.6 a	8.13 a	0.16 c	0.86 b	2.3 a	3.51 a	6.15 a
	16			1.16 e	2.15 d	3.88 c		0.66 d	2.45 c	4.02 b	7.46 a		0.38 c	1.84 b	3.04 a	5.71 a
	24			0.28 f	1.23 e	2.84 e			1.49 d	2.98 d	6.26 b			1 d	2.17 c	4.87 b
16	12			0.97 e	1.76 e	3.14 d		0.63 d	2.19 c	3.57 b	6.55 a		0.4 d	1.8 c	2.96 b	5.57 a
	16			0.49 f	1.26 e	2.57 e		0.06 e	1.61 d	2.94 d	5.82 b			1.25 d	2.38 c	5 b
	24				0.39 f	1.6 f			0.6 e	1.85 e	4.55 d			0.28 e	1.35 e	3.96 d

25 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.87 a	2.89 a	5.14 a	6.99 a	10.95 a	2.29 a	3.71 a	6.86 a	9.41 a	15.09 a	1.38 a*	2.11 a	3.31 a	4.5 a	7 a
	16	1.64 a	2.69 a	4.94 a	6.8 a	10.77 a	2.06 a	3.46 a	6.61 a	9.18 a	14.86 a	1.25 a*	1.98 a	3.21 a	4.4 a	6.91 a
	24	1.21 a	2.28 a	4.56 a	6.43 a	10.4 a	1.6 a	2.98 a	6.12 a	8.72 a	14.4 a	0.98 a*	1.72 a	3 a	4.2 a	6.72 a
9	12	1.68 a	2.71 a	4.96 a	6.82 a	10.78 a	2.08 a	3.46 a	6.54 a	9.07 a	14.66 a	1.27 a*	2.01 a	3.23 a	4.42 a	6.92 a
	16	1.4 a	2.45 a	4.71 a	6.57 a	10.54 a	1.79 a	3.15 a	6.23 a	8.78 a	14.36 a	1.1 a*	1.84 a	3.09 a	4.29 a	6.8 a
	24	0.86 a	1.95 a	4.22 a	6.09 a	10.06 a	1.23 a	2.55 a	5.62 a	8.19 a	13.77 a	0.76 a*	1.51 a	2.82 a	4.03 a	6.55 a
10	12	1.46 a	2.51 a	4.75 a	6.61 a	10.57 a	1.84 a	3.18 a	6.17 a	8.67 a	14.14 a	1.15 a*	1.88 a	3.13 a	4.32 a	6.83 a
	16	1.13 a	2.19 a	4.44 a	6.3 a	10.26 a	1.49 a	2.81 a	5.79 a	8.3 a	13.77 a	0.93 a*	1.68 a	2.96 a	4.16 a	6.68 a
	24	0.48 a	1.58 a	3.84 a	5.71 a	9.66 a	0.82 a	2.08 a	5.05 a	7.59 a	13.03 a	0.52 a*	1.28 a	2.63 a	3.84 a	6.37 a
12	12	0.97 a	2.01 a	4.2 a	6.09 a	10.02 a	1.31 a	2.55 a	5.3 a	7.68 a	12.83 a	0.86 a*	1.6 a	2.89 a	4.09 a	6.6 a
	16	0.53 b	1.58 a	3.77 a	5.64 a	9.55 a	0.85 a	2.04 a	4.78 a	7.17 a	12.29 a	0.56 a*	1.31 a	2.65 a	3.86 a	6.38 a
	24		0.76 b	2.94 a	4.79 a	8.66 a		1.1 b	3.79 a	6.2 a	11.25 a		0.75 a	2.17 a	3.4 a	5.94 a
14	12	0.45 c	1.44 a	3.44 a	5.21 a	9.22 a	0.76 b	1.86 a	4.31 a	6.51 a	11.2 a	0.53 a*	1.27 a	2.6 a	3.81 a	6.33 a
	16		0.91 c	2.9 b	4.65 a	8.58 a	0.21 c	1.25 b	3.67 a	5.87 a	10.5 a	0.14 a*	0.89 a	2.28 a	3.49 a	6.02 a
	24		1.92 d	3.6 c	7.39 a		0.15 d	2.52 c	4.7 b	9.21 a		0.16 b	1.65 a	2.87 a	5.41 a	
16	12		0.87 c	2.64 b	4.22 a	7.74 a	0.23 d	1.18 c	3.31 a	5.29 a	9.42 a	0.17 b*	0.9 a	2.27 a	3.47 a	5.99 a
	16		0.29 d	2.04 d	3.57 c	6.99 a		0.5 d	2.61 c	4.57 b	8.61 a		0.43 b	1.85 a	3.06 a	5.58 a
	24		0.98 e	2.42 d	5.67 c			1.37 d	3.28 d	7.16 b		1.06 c	2.27 b	4.78 a		

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



25 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	800S162-(mils)					800S200-(mils)				
		33 ksi			50 ksi		33 ksi			50 ksi	
		33	43	54	68	97	33	43	54	68	97
8	12	2 a*	2.98 a	5.09 a	6.92 a	10.94 a	2.55 a*	4.03 a	7.31 a	9.89 a	15.61 a
	16	1.84 a*	2.82 a	4.95 a	6.78 a	10.81 a	2.37 a*	3.85 a	7.14 a	9.73 a	15.45 a
	24	1.52 a*	2.52 a	4.67 a	6.51 a	10.54 a	2.03 a*	3.49 a	6.78 a	9.41 a	15.14 a
9	12	1.87 a*	2.85 a	4.97 a	6.8 a	10.82 a	2.4 a*	3.88 a	7.16 a	9.75 a	15.47 a
	16	1.66 a*	2.65 a	4.79 a	6.62 a	10.65 a	2.18 a*	3.65 a	6.93 a	9.54 a	15.27 a
	24	1.26 a*	2.26 a	4.44 a	6.28 a	10.31 a	1.75 a*	3.2 a	6.48 a	9.13 a	14.87 a
10	12	1.72 a*	2.7 a	4.84 a	6.67 a	10.69 a	2.24 a*	3.71 a	6.98 a	9.59 a	15.31 a
	16	1.47 a*	2.46 a	4.61 a	6.45 a	10.47 a	1.97 a*	3.42 a	6.7 a	9.33 a	15.06 a
	24	0.97 a*	1.98 a	4.17 a	6.01 a	10.04 a	1.43 a*	2.86 a	6.13 a	8.81 a	14.56 a
12	12	1.37 a*	2.36 a	4.51 a	6.34 a	10.36 a	1.86 a*	3.3 a	6.55 a	9.19 a	14.91 a
	16	1.02 a*	2.01 a	4.18 a	6.02 a	10.04 a	1.48 a*	2.89 a	6.13 a	8.8 a	14.53 a
	24	0.33 a*	1.34 a	3.55 a	5.39 a	9.4 a	0.73 a*	2.1 a	5.32 a	8.04 a	13.78 a
14	12	0.97 a*	1.96 a	4.11 a	5.93 a	9.94 a	1.4 a*	2.78 a	5.93 a	8.61 a	14.38 a
	16	0.51 a*	1.49 a	3.66 a	5.49 a	9.48 a	0.91 a*	2.24 a	5.37 a	8.08 a	13.84 a
	24	0.62 a	2.82 a	4.64 a	8.6 a			1.22 a	4.3 a	7.05 a	12.79 a
16	12	0.53 a*	1.5 a	3.63 a	5.44 a	9.4 a	0.91 a*	2.18 a	5.12 a	7.71 a	13.34 a
	16		0.93 a	3.07 a	4.87 a	8.8 a	0.31 b*	1.53 a	4.44 a	7.04 a	12.64 a
	24			2.01 b	3.78 a	7.66 a		0.32 c	3.15 a	5.77 a	11.3 a

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



30 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	0.78 a	1.49 a	2.99 a	4.08 a	6.34 a	0.56 b	1.16 a	2.43 a	3.44 a	0.85 a	1.59 a	3.17 a	4.38 a	6.76 a	
	16	0.43 c	1.11 b	2.64 a	3.72 a	5.93 a	0.24 c	0.81 b	2.11 a	3.1 a	0.5 b	1.21 a	2.82 a	4.01 a	6.35 a	
	24	0.42 d	1.98 c	3.05 a	5.16 a		0.18 d	1.52 c	2.47 b		0.52 c	2.16 b	3.32 a	5.58 a		
9	12	0.46 c	1.11 b	2.48 a	3.48 a	5.5 a	0.28 c	0.83 b	2.03 a	2.94 a	0.53 c	1.21 a	2.68 a	3.77 a	5.92 a	
	16	0.07 d	0.69 c	2.08 b	3.06 a	5.02 a		0.44 d	1.66 c	2.55 b	0.13 d	0.78 c	2.27 b	3.34 a	5.44 a	
	24		1.37 d	2.31 c	4.16 b			0.99 d	1.84 d		0.02 d	1.54 d	2.57 c	4.56 a		
10	12	0.17 d	0.74 c	1.99 b	2.88 a	4.65 a	0.02 e	0.51 d	1.62 c	2.44 b	0.23 d	0.84 c	2.18 b	3.15 a	5.06 a	
	16		0.29 d	1.56 d	2.43 c	4.13 a		0.09 e	1.22 d	2.01 c		0.38 d	1.74 c	2.69 b	4.53 a	
	24			0.81 e	1.63 d	3.22 c			0.51 e	1.25 e			0.96 e	1.86 d	3.58 c	
12	12		0.13 e	1.13 e	1.81 d	3.11 c			0.89 e	1.51 d		0.2 e	1.29 d	2.03 d	3.46 b	
	16			0.71 e	1.35 e	2.58 d			0.48 e	1.06 e			0.84 e	1.55 e	2.9 d	
	24				0.56 f	1.67 e				0.29 f			0.05 f	0.71 f	1.94 e	
14	12			0.53 f	1.04 e	1.99 d			0.35 f	0.82 e			0.64 f	1.2 e	2.24 d	
	16			0.13 f	0.6 f	1.49 e				0.39 f			0.2 f	0.73 f	1.71 e	
	24				0.63 f								0.19 f	0.62 f	1.39 e	
16	12			0.13 f	0.51 f	1.21 e				0.34 f			0.19 f	0.62 f	1.39 e	
	16				0.11 f	0.75 f							0.19 f	0.9 f	0.07 f	
	24															

30 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	362S200-(mils)					400S137-(mils)					400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	1.13 a	2.13 a	4.06 a	5.58 a	8.4 a	0.72 a	1.38 a	2.81 a	4.06 a	1.05 a	1.86 a	3.67 a	5.18 a	7.99 a	
	16	0.74 b	1.71 a	3.65 a	5.18 a	7.97 a	0.4 b	1.04 a	2.5 a	3.72 a	0.7 a	1.5 a	3.32 a	4.81 a	7.58 a	
	24	0.02 d	0.95 b	2.89 a	4.42 a	7.17 a		0.41 c	1.9 b	3.07 a	0.05 c	0.81 b	2.66 a	4.1 a	6.8 a	
9	12	0.76 b	1.68 a	3.44 a	4.84 a	7.41 a	0.44 b	1.06 a	2.43 a	3.63 a	0.73 b	1.49 a	3.2 a	4.6 a	7.19 a	
	16	0.32 c	1.21 b	2.97 a	4.37 a	6.91 a	0.07 d	0.67 c	2.06 a	3.21 a	0.33 c	1.07 b	2.78 a	4.16 a	6.7 a	
	24	0.37 d	2.13 c	3.51 b	5.98 a			1.37 c	2.45 c		0.28 d	2.02 c	3.33 b	5.77 a		
10	12	0.42 c	1.25 b	2.83 a	4.09 a	6.4 a	0.17 d	0.74 c	2.03 b	3.11 a	0.41 c	1.12 b	2.7 a	3.99 a	6.33 a	
	16		0.74 d	2.32 c	3.58 b	5.84 a		0.3 d	1.61 c	2.65 b		0.64 c	2.24 b	3.48 a	5.76 a	
	24		1.43 d	2.66 d	4.83 b			0.85 e	1.81 d			1.4 d	2.57 c	4.73 b		
12	12		0.49 d	1.73 d	2.72 c	4.49 a		0.14 e	1.26 d	2.09 c		0.43 d	1.75 d	2.76 c	4.6 a	
	16			1.21 e	2.19 d	3.9 c		0.79 e	1.58 d			1.25 e	2.2 d	3.96 c		
	24		0.32 f	1.26 e	2.86 d			0.68 e			0.36 f	1.23 e	2.86 d			
14	12			0.92 e	1.69 e	3.03 d			0.62 e	1.24 e			0.98 e	1.73 d	3.11 c	
	16			0.43 f	1.18 e	2.45 e			0.15 f	0.73 f			0.48 f	1.18 e	2.49 d	
	24				0.31 f	1.47 f							0.25 f	1.43 e		
16	12			0.38 f	0.98 f	1.99 e			0.16 f	0.62 f			0.42 f	0.98 e	2.03 e	
	16				0.5 f				0.15 f				0.48 f	1.45 e		
	24					0.54 f							0.46 f			

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



30 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S200-(mils)					550S162-(mils)					600S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.35 a	2.46 a	4.68 a	6.55 a	9.9 a	1.64 a	2.68 a	4.96 a	6.81 a	10.68 a	1.19 a	1.95 a	3.34 a	4.59 a	7.16 a
	16	0.97 a	2.06 a	4.28 a	6.14 a	9.48 a	1.35 a	2.41 a	4.7 a	6.55 a	10.42 a	0.97 a	1.73 a	3.15 a	4.4 a	7 a
	24	0.26 c	1.3 a	3.52 a	5.37 a	8.66 a	0.79 a	1.88 a	4.19 a	6.05 a	9.92 a	0.53 a	1.3 a	2.78 a	4.04 a	6.69 a
9	12	0.99 a	2.03 a	4.09 a	5.84 a	8.94 a	1.38 a	2.42 a	4.69 a	6.56 a	10.43 a	1.01 a	1.76 a	3.17 a	4.42 a	7.02 a
	16	0.55 b	1.56 a	3.61 a	5.36 a	8.43 a	1.03 a	2.09 a	4.36 a	6.23 a	10.09 a	0.73 a	1.48 a	2.93 a	4.19 a	6.81 a
	24	0.7 c	2.73 b	4.45 a	7.45 a	0.35 a	1.44 a	3.72 a	5.59 a	9.44 a	0.19 a	0.95 a	2.47 a	3.73 a	6.41 a	
10	12	0.64 b	1.59 a	3.47 a	5.1 a	7.92 a	1.1 a	2.14 a	4.34 a	6.26 a	10.12 a	0.8 a	1.55 a	2.98 a	4.23 a	6.85 a
	16	0.15 d	1.07 c	2.94 a	4.54 a	7.33 a	0.69 a	1.74 a	3.94 a	5.85 a	9.7 a	0.47 a	1.22 a	2.69 a	3.94 a	6.59 a
	24	0.13 d	1.98 c	3.54 c	6.24 a		0.97 b	3.18 a	5.07 a	8.88 a		0.58 a	2.12 a	3.37 a	6.09 a	
12	12	0.78 d	2.31 c	3.62 b	5.88 a	0.52 b	1.51 a	3.54 a	5.32 a	9.29 a		0.35 b	1.08 a	2.54 a	3.78 a	6.43 a
	16	0.2 e	1.73 d	3.01 c	5.21 b		0.99 b	3.01 a	4.77 a	8.67 a		0.63 b	2.13 a	3.36 a	6.05 a	
	24	0.71 e	1.93 e	4.02 d		0.04 d	2.04 c	3.74 b	7.5 a			1.35 c	2.57 b	5.31 a		
14	12		0.13 e	1.36 e	2.36 d	4.11 c		0.86 c	2.66 b	4.24 a	7.72 a		0.57 c	2.02 b	3.23 a	5.88 a
	16		0.79 e	1.76 e	3.44 d	0.74 f		0.26 d	2.05 d	3.59 c	6.96 a		0.01 d	1.5 c	2.68 b	5.36 a
	24		0.74 f	2.29 e			0.96 e	2.42 d	5.6 c			0.54 e	1.68 d	4.39 c		
16	12			0.68 f	1.45 e	2.79 d		0.28 e	1.84 d	3.18 c	6.11 b		0.05 d	1.47 d	2.61 c	5.22 a
	16			0.14 f	0.89 f	2.17 e			1.19 e	2.48 d	5.29 c		0.85 e	1.95 d	4.57 c	
	24			1.09 f				0.07 f	1.26 e	3.86 e			0.79 e	3.39 d		

30 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.73 a	2.77 a	5.02 a	6.88 a	10.84 a	2.15 a	3.56 a	6.71 a	9.27 a	14.95 a	1.3 a*	2.03 a	3.25 a	4.44 a	6.94 a
	16	1.47 a	2.53 a	4.79 a	6.65 a	10.62 a	1.88 a	3.27 a	6.42 a	9 a	14.67 a	1.14 a*	1.88 a	3.12 a	4.32 a	6.83 a
	24	0.95 a	2.05 a	4.33 a	6.21 a	10.18 a	1.34 a	2.69 a	5.84 a	8.45 a	14.12 a	0.82 a*	1.57 a	2.87 a	4.08 a	
9	12	1.51 a	2.56 a	4.81 a	6.67 a	10.63 a	1.9 a	3.27 a	6.35 a	8.89 a	14.48 a	1.17 a*	1.91 a	3.14 a	4.34 a	6.85 a
	16	1.18 a	2.25 a	4.52 a	6.38 a	10.35 a	1.56 a	2.91 a	5.98 a	8.54 a	14.12 a	0.96 a*	1.71 a	2.98 a	4.19 a	6.7 a
	24	0.54 a	1.65 a	3.94 a	5.81 a	9.78 a	0.9 a	2.2 a	5.26 a	7.85 a	13.42 a	0.56 a*	1.32 a	2.67 a	3.88 a	6.41 a
10	12	1.26 a	2.32 a	4.57 a	6.43 a	10.38 a	1.63 a	2.96 a	5.94 a	8.45 a	13.92 a	1.02 a*	1.76 a	3.03 a	4.23 a	6.74 a
	16	0.86 a	1.94 a	4.2 a	6.06 a	10.02 a	1.22 a	2.51 a	5.49 a	8.02 a	13.47 a	0.77 a*	1.52 a	2.83 a	4.03 a	6.55 a
	24	0.11 b	1.22 a	3.5 a	5.36 a	9.31 a	0.44 a	1.67 a	4.62 a	7.18 a	12.6 a	0.28 a*	1.04 a	2.43 a	3.65 a	6.19 a
12	12	0.7 a	1.75 a	3.94 a	5.82 a	9.74 a	1.03 a	2.24 a	4.98 a	7.37 a	12.5 a	0.68 a*	1.43 a	2.74 a	3.95 a	6.47 a
	16	0.19 c	1.24 a	3.43 a	5.3 a	9.19 a	0.5 b	1.66 a	4.37 a	6.77 a	11.86 a	0.33 a*	1.09 a	2.46 a	3.67 a	6.2 a
	24	0.31 c	2.47 b	4.31 a	8.15 a		0.57 c	3.24 b	5.65 a	10.66 a		0.42 a	1.9 a	3.13 a	5.67 a	
14	12	0.14 c	1.12 b	3.11 a	4.87 a	8.83 a	0.42 c	1.48 a	3.92 a	6.13 a	10.78 a	0.29 a*	1.04 a	2.41 a	3.62 a	6.14 a
	16	0.52 d	2.5 c	4.21 a	8.09 a		0.79 c	3.19 b	5.39 a	9.97 a		0.59 a	2.02 a	3.24 a	5.77 a	
	24	1.38 d	3.02 c	6.74 b				1.88 d	4.06 c	8.49 a		1.28 b	2.51 a	5.05 a		
16	12		0.51 d	2.28 c	3.82 b	7.28 a		0.77 c	2.88 b	4.85 a	8.92 a		0.61 a	2.02 a	3.22 a	5.74 a
	16		1.6 d	3.09 c	6.44 b		0.01 d	2.09 d	4.03 c	8.01 a		0.06 c	1.53 b	2.74 a	5.25 a	
	24	0.4 e	1.8 e	4.95 d			0.7 e	2.59 d	6.38 c		0.61 d	1.81 c	4.32 a			

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



30 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	1.9 a*	2.89 a	5.01 a	6.84 a	10.86 a	2.44 a*	3.93 a	7.21 a	9.8 a	15.52 a
	16	1.71 a*	2.7 a	4.84 a	6.67 a	10.7 a	2.23 a*	3.71 a	6.99 a	9.6 a	15.33 a
	24	1.33 a*	2.33 a	4.5 a	6.34 a	10.38 a	1.82 a*	3.28 a	6.57 a	9.22 a	14.96 a
9	12	1.75 a*	2.73 a	4.87 a	6.69 a	10.72 a	2.27 a*	3.74 a	7.02 a	9.63 a	15.35 a
	16	1.5 a*	2.5 a	4.65 a	6.49 a	10.51 a	2.01 a*	3.47 a	6.75 a	9.38 a	15.11 a
	24	1.02 a*	2.03 a	4.22 a	6.07 a	10.1 a	1.49 a*	2.92 a	6.21 a	8.88 a	14.64 a
10	12	1.57 a*	2.56 a	4.7 a	6.53 a	10.56 a	2.07 a*	3.54 a	6.81 a	9.43 a	15.16 a
	16	1.27 a*	2.27 a	4.44 a	6.27 a	10.3 a	1.75 a*	3.2 a	6.47 a	9.12 a	14.86 a
	24	0.68 a*	1.7 a	3.91 a	5.75 a	9.79 a	1.12 a*	2.53 a	5.8 a	8.5 a	14.26 a
12	12	1.16 a*	2.15 a	4.31 a	6.15 a	10.17 a	1.63 a*	3.05 a	6.3 a	8.95 a	14.68 a
	16	0.74 a*	1.74 a	3.93 a	5.76 a	9.78 a	1.17 a*	2.57 a	5.81 a	8.49 a	14.23 a
	24		0.95 a	3.17 a	5.02 a	9.03 a	0.31 a*	1.64 a	4.85 a	7.59 a	13.34 a
14	12	0.69 a*	1.68 a	3.84 a	5.67 a	9.66 a	1.1 a*	2.46 a	5.59 a	8.29 a	14.05 a
	16	0.15 b*	1.14 a	3.32 a	5.14 a	9.13 a	0.52 a*	1.83 a	4.94 a	7.66 a	13.41 a
	24		0.12 b	2.33 a	4.14 a	8.09 a		0.64 a	3.69 a	6.45 a	12.18 a
16	12	0.19 b*	1.15 a	3.29 a	5.09 a	9.04 a	0.54 a*	1.79 a	4.71 a	7.3 a	12.92 a
	16		0.49 b	2.63 a	4.42 a	8.34 a		1.03 a	3.91 a	6.52 a	12.09 a
	24			1.41 c	3.16 b	7 a			2.44 b	5.06 a	10.53 a

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



35 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	0.6 b	1.3 a	2.81 a	3.9 a	6.13 a	0.4 b	0.98 a	2.27 a	3.27 a	0.67 b	1.4 a	2.99 a	4.19 a	6.55 a	
	16	0.2 d	0.87 b	2.41 a	3.49 a	5.67 a	0.03 d	0.59 c	1.91 b	2.88 a	0.27 c	0.98 b	2.59 a	3.77 a	6.09 a	
	24	0.11 d	1.68 c	2.73 b	4.8 a				1.24 d	2.17 c		0.2 d	1.85 c	3 b	5.21 a	
9	12	0.26 d	0.89 c	2.28 b	3.27 a	5.26 a	0.1 d	0.63 c	1.84 b	2.74 a	0.33 c	0.99 b	2.47 a	3.55 a	5.68 a	
	16	0.42 d	1.83 c	2.8 b	4.73 a		0.19 d	1.43 c	2.3 b		0.52 d	2.02 c	3.07 b	5.14 a		
	24	1.04 e	1.96 d	3.76 c			0.68 e	1.51 d			1.2 d	2.2 d		4.15 b		
10	12	0.51 d	1.77 c	2.65 b	4.39 a		0.29 d	1.42 c	2.22 c		0.01 e	0.6 d	1.96 c	2.92 b	4.79 a	
	16	0.01 e	1.3 d	2.15 d	3.82 b			0.97 d	1.74 d		0.09 e	1.47 d	2.4 c	4.2 b		
	24	0.47 e	1.27 e	2.8 d			0.19 e	0.9 e			0.61 e	1.48 e		3.15 d		
12	12		0.91 e	1.58 d	2.84 c			0.68 e	1.28 e				1.06 e	1.78 d	3.17 c	
	16		0.44 f	1.07 e	2.26 d			0.22 f	0.79 e				0.56 e	1.25 e	2.56 d	
	24			0.21 f	1.26 e								0.34 f		1.51 e	
14	12			0.32 f	0.82 f	1.73 e			0.15 f	0.6 f				0.41 f	0.96 e	1.97 e
	16				0.34 f	1.18 f				0.13 f				0.45 f	0.45 f	1.39 e
	24				0.25 f									0.39 f	0.39 f	0.4 f
16	12				0.3 f	0.97 f				0.13 f					1.14 f	1.14 f
	16					0.47 f									0.61 f	0.61 f
	24															

35 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	362S200-(mils)					400S137-(mils)					400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	0.93 a	1.92 a	3.85 a	5.38 a	8.18 a	0.56 a	1.21 a	2.65 a	3.89 a	0.87 a	1.68 a	3.49 a	4.99 a	7.79 a	
	16	0.49 b	1.45 a	3.39 a	4.92 a	7.7 a	0.2 c	0.83 a	2.29 a	3.5 a	0.47 b	1.26 a	3.09 a	4.57 a	7.32 a	
	24	0.6 c	2.54 b	4.07 a	6.78 a		0.11 c	1.62 c	2.77 a		0.49 c	2.34 b	3.76 a	6.43 a		
9	12	0.54 c	1.44 a	3.2 a	4.6 a	7.16 a	0.25 c	0.86 b	2.24 a	3.42 a	0.52 b	1.28 a	2.99 a	4.38 a	6.94 a	
	16	0.05 d	0.92 c	2.68 b	4.07 a	6.59 a		0.42 c	1.82 b	2.95 a	0.07 d	0.79 c	2.52 a	3.87 a	6.38 a	
	24	1.74 d	3.12 c	5.54 a			1.05 d	2.09 c			1.66 c	2.94 c	5.34 a			
10	12	0.17 d	0.99 c	2.57 b	3.83 a	6.11 a		0.51 c	1.82 b	2.87 a	0.19 d	0.88 c	2.47 b	3.73 a	6.04 a	
	16	0.42 d	2.01 c	3.26 b	5.49 a		0.02 d	1.35 d	2.35 c		0.35 d	1.95 c	3.17 b	5.41 a		
	24	1.02 e	2.24 d	4.37 c			0.5 e	1.42 d			1.02 e	2.15 d		4.26 c		
12	12	0.21 e	1.46 d	2.45 d	4.19 b			1.02 e	1.82 d		0.16 e	1.49 d	2.47 c	4.27 b		
	16	0.9 e	1.86 e	3.54 d			0.5 e	1.26 e		0.93 e	1.86 d	3.58 c				
	24	0.84 f	2.39 e				0.28 f			0.79 e	2.36 e					
14	12			0.67 e	1.43 e	2.73 d			0.38 f	0.98 e		0.72 e	1.45 e	2.79 d		
	16			0.14 f	0.87 f	2.11 e			0.43 f			0.17 f	0.85 f	2.12 e	0.96 f	
	24				1.03 f						0.18 f	0.72 f	1.73 e			
16	12			0.14 f	0.73 f	1.72 e			0.38 f			0.17 f	1.1 f		0.03 f	
	16				0.21 f	1.13 f										
	24				0.14 f											

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



35 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S200-(mils)					550S162-(mils)					600S137-(mils)					
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	
8	12	1.16 a	2.26 a	4.48 a	6.34 a	9.69 a	1.49 a	2.54 a	4.83 a	6.68 a	10.55 a	1.08 a	1.84 a	3.24 a	4.49 a	7.08 a	
	16	0.72 a	1.8 a	4.02 a	5.88 a	9.2 a	1.16 a	2.23 a	4.53 a	6.38 a	10.25 a	0.82 a	1.58 a	3.03 a	4.28 a	6.9 a	
	24	0.95 b	3.15 a	5 a	8.26 a	0.52 a	1.63 a	3.94 a	5.8 a	9.67 a	0.32 a	1.09 a	2.6 a	3.86 a	6.53 a		
9	12	0.77 b	1.79 a	3.84 a	5.6 a	8.68 a	1.2 a	2.25 a	4.53 a	6.4 a	10.26 a	0.87 a	1.62 a	3.05 a	4.31 a	6.92 a	
	16	0.27 c	1.26 b	3.31 a	5.04 a	8.09 a	0.8 a	1.87 a	4.15 a	6.02 a	9.87 a	0.55 a	1.3 a	2.78 a	4.03 a	6.68 a	
	24	0.3 d	2.32 c	4.03 b	6.99 a	0.03 b	1.13 a	3.41 a	5.28 a	9.12 a		0.69 a	2.24 a	3.5 a	6.21 a		
10	12	0.39 c	1.33 b	3.2 a	4.81 a	7.62 a	0.89 a	1.93 a	4.14 a	6.06 a	9.91 a	0.63 a	1.38 a	2.84 a	4.09 a	6.72 a	
	16		0.74 c	2.61 b	4.2 a	6.95 a	0.42 b	1.48 a	3.69 a	5.59 a	9.42 a	0.25 a	1 a	2.5 a	3.75 a	6.42 a	
	24		1.54 d	3.08 c	5.73 b		0.61 b	2.82 a	4.69 a	8.48 a		0.27 b	1.84 a	3.09 a	5.84 a		
12	12		0.49 d	2.01 c	3.3 c	5.54 a	0.25 c	1.24 b	3.27 a	5.04 a	8.98 a	0.13 c	0.85 a	2.33 a	3.57 a	6.24 a	
	16			1.37 d	2.63 d	4.79 b		0.66 c	2.68 b	4.41 a	8.27 a		0.34 c	1.86 b	3.09 a	5.8 a	
	24			0.26 e	1.45 e	3.48 d			1.59 d	3.26 c	6.95 a			0.98 d	2.19 c	4.96 a	
14	12			1.06 e	2.05 d	3.76 c		0.56 d	2.35 c	3.91 b	7.33 a		0.28 d	1.75 c	2.95 a	5.62 a	
	16			0.44 f	1.4 e	3.03 d			1.67 d	3.18 c	6.49 b			1.16 d	2.33 c	5.03 a	
	24			0.28 f	1.77 e				0.47 e	1.88 e	4.98 d			0.1 e	1.21 d	3.94 c	
16	12			0.4 f	1.16 e	2.47 e			1.5 d	2.82 d	5.69 b			1.15 d	2.27 c	4.89 b	
	16			0.55 f	1.79 e				0.79 e	2.05 e	4.79 d			0.47 e	1.55 d	4.16 c	
	24			0.62 f					0.72 f	3.22 e				0.27 e	0.86 e	2.86 e	

35 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.6 a	2.65 a	4.9 a	6.76 a	10.73 a	2.01 a	3.41 a	6.56 a	9.13 a	14.81 a	1.22 a*	1.96 a	3.19 a	4.38 a	6.89 a
	16	1.3 a	2.36 a	4.64 a	6.5 a	10.47 a	1.7 a	3.07 a	6.22 a	8.81 a	14.49 a	1.03 a*	1.78 a	3.04 a	4.24 a	6.75 a
	24	0.7 a	1.81 a	4.11 a	5.99 a	9.97 a	1.07 a	2.41 a	5.55 a	8.18 a	13.85 a	0.66 a*	1.42 a	2.75 a	3.96 a	6.49 a
9	12	1.34 a	2.4 a	4.66 a	6.52 a	10.49 a	1.73 a	3.09 a	6.17 a	8.72 a	14.3 a	1.06 a*	1.81 a	3.06 a	4.26 a	6.77 a
	16	0.96 a	2.05 a	4.32 a	6.19 a	10.16 a	1.34 a	2.67 a	5.74 a	8.31 a	13.89 a	0.83 a*	1.58 a	2.88 a	4.08 a	6.6 a
	24	0.24 a	1.36 a	3.66 a	5.53 a	9.5 a	0.58 a	1.85 a	4.9 a	7.52 a	13.07 a	0.36 a*	1.13 a	2.51 a	3.73 a	6.26 a
10	12	1.06 a	2.13 a	4.38 a	6.24 a	10.2 a	1.42 a	2.73 a	5.71 a	8.23 a	13.69 a	0.89 a*	1.64 a	2.93 a	4.13 a	6.65 a
	16	0.61 a	1.7 a	3.96 a	5.82 a	9.78 a	0.95 a	2.23 a	5.19 a	7.73 a	13.18 a	0.6 a*	1.36 a	2.69 a	3.91 a	6.43 a
	24	0.88 a	3.15 a	5.02 a	8.96 a		0.07 b	1.26 a	4.2 a	6.77 a	12.18 a	0.03 a*	0.81 a	2.24 a	3.47 a	6.01 a
12	12	0.44 b	1.49 a	3.68 a	5.56 a	9.46 a	0.76 a	1.94 a	4.67 a	7.07 a	12.18 a	0.5 a*	1.26 a	2.6 a	3.81 a	6.34 a
	16	0.92 b	3.1 a	4.96 a	8.84 a		0.16 c	1.28 a	3.98 a	6.39 a	11.45 a	0.1 a*	0.86 a	2.27 a	3.49 a	6.03 a
	24		2.03 c	3.84 b	7.66 a			0.06 c	2.7 b	5.12 a	10.08 a		0.1 a	1.62 a	2.86 a	5.41 a
14	12	0.81 c	2.8 b	4.54 a	8.45 a		0.1 c	1.13 b	3.55 a	5.75 a	10.37 a	0.07 b*	0.81 a	2.21 a	3.43 a	5.95 a
	16	0.14 d	2.11 c	3.8 b	7.62 a			0.36 d	2.74 c	4.93 b	9.46 a		0.3 b	1.77 a	2.99 a	5.53 a
	24	0.87 e	2.48 d	6.11 c					1.28 d	3.44 d	7.8 b			0.92 c	2.15 a	4.7 a
16	12	0.17 d	1.93 d	3.45 c	6.85 a		0.38 d	2.48 c	4.43 b	8.46 a		0.33 b	1.77 a	2.98 a	5.49 a	
	16		1.18 e	2.64 d	5.92 c			1.6 d	3.53 c	7.44 b			1.22 c	2.42 a	4.94 a	
	24		1.22 e	4.28 d				0.08 e	1.94 e	5.64 d			0.18 d	1.37 c	3.87 b	

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



35 psf Lateral Load											
Wall Height (ft)	Spacing (in.) o.c.	800S162-(mils)					800S200-(mils)				
		33 ksi			50 ksi		33 ksi			50 ksi	
		33	43	54	68	97	33	43	54	68	97
8	12	1.81 a*	2.79 a	4.92 a	6.75 a	10.78 a	2.34 a*	3.82 a	7.1 a	9.7 a	15.42 a
	16	1.58 a*	2.58 a	4.73 a	6.56 a	10.59 a	2.1 a*	3.57 a	6.85 a	9.47 a	15.21 a
	24	1.14 a*	2.15 a	4.34 a	6.18 a	10.22 a	1.62 a*	3.07 a	6.36 a	9.02 a	14.78 a
9	12	1.62 a*	2.61 a	4.76 a	6.59 a	10.62 a	2.14 a*	3.61 a	6.89 a	9.5 a	15.23 a
	16	1.34 a*	2.34 a	4.51 a	6.35 a	10.38 a	1.83 a*	3.29 a	6.57 a	9.21 a	14.95 a
	24	0.78 a*	1.8 a	4.01 a	5.86 a	9.9 a	1.23 a*	2.66 a	5.94 a	8.64 a	14.4 a
10	12	1.42 a*	2.41 a	4.57 a	6.4 a	10.43 a	1.91 a*	3.37 a	6.64 a	9.28 a	15.01 a
	16	1.07 a*	2.08 a	4.26 a	6.1 a	10.13 a	1.54 a*	2.97 a	6.25 a	8.91 a	14.66 a
	24	0.4 a*	1.42 a	3.65 a	5.5 a	9.53 a	0.81 a*	2.2 a	5.47 a	8.2 a	13.96 a
12	12	0.95 a*	1.94 a	4.12 a	5.95 a	9.97 a	1.4 a*	2.81 a	6.05 a	8.72 a	14.45 a
	16	0.47 a*	1.47 a	3.67 a	5.51 a	9.53 a	0.88 a*	2.26 a	5.48 a	8.19 a	13.93 a
	24		0.56 a	2.81 a	4.65 a	8.66 a		1.18 a	4.38 a	7.15 a	12.9 a
14	12	0.42 a*	1.4 a	3.58 a	5.4 a	9.39 a	0.81 a*	2.14 a	5.26 a	7.97 a	13.73 a
	16		0.79 a	2.98 a	4.8 a	8.78 a	0.15 b*	1.42 a	4.51 a	7.25 a	13 a
	24			1.85 b	3.66 a	7.59 a		0.08 b	3.1 a	5.88 a	11.58 a
16	12		0.81 b	2.96 a	4.75 a	8.69 a	0.19 b*	1.41 a	4.3 a	6.91 a	12.5 a
	16		0.07 c	2.22 b	3.99 a	7.88 a		0.55 b	3.4 a	6.02 a	11.56 a
	24			0.84 d	2.57 c	6.36 a		1.75 c	4.37 b	9.79 a	

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



40 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	0.43 c	1.11 b	2.64 a	3.72 a	5.93 a	0.24 c	0.81 b	2.11 a	3.1 a	0.5 b	1.21 a	2.82 a	4.01 a	6.35 a	
	16	0.65 c	2.19 b	3.26 a	5.41 a		0.38 c	1.71 b	2.67 a	0.06 d	0.75 c	2.37 b	3.54 a	5.83 a		
	24	1.39 d	2.42 c	4.45 a			0.97 d	1.88 c			1.56 d	2.68 c		4.85 a		
9	12	0.07 d	0.69 c	2.08 b	3.06 a	5.02 a	0.44 d	1.66 c	2.55 b	0.13 d	0.78 c	2.27 b	3.34 a	5.44 a		
	16	0.17 d	1.6 d	2.55 c	4.44 a			1.21 d	2.07 c	0.26 d	1.77 c	2.82 b	4.84 a			
	24	0.72 e	1.63 d	3.38 c			0.39 e	1.19 e			0.87 e	1.86 d	3.75 c			
10	12	0.29 d	1.56 d	2.43 c	4.13 a		0.09 e	1.22 d	2.01 c	0.38 d	1.74 c	2.69 b	4.53 a			
	16	0.10 e	1.89 d	3.51 c			0.74 e	1.49 d			1.21 d	2.12 d	3.89 b			
	24	0.15 f	0.93 e	2.4 d			0.57 e				0.27 e	1.12 e	2.73 d			
12	12		0.71 e	1.35 e	2.58 d			0.48 e	1.06 e			0.84 e	1.55 e	2.9 d		
	16		0.2 f	0.81 e	1.96 e			0.53 f				0.3 f	0.98 e	2.24 e		
	24				0.87 f							1.1 f				
14	12			0.13 f	0.6 f	1.49 e			0.39 f			0.2 f	0.73 f	1.71 e		
	16				0.09 f	0.9 f						0.19 f	0.19 f	1.09 f		
	24											0.02 f				
16	12				0.11 f	0.75 f						0.19 f	0.9 f			
	16					0.21 f						0.33 f				
	24															

40 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	362S200-(mils)					400S137-(mils)					400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	0.74 b	1.71 a	3.65 a	5.18 a	7.97 a	0.4 b	1.04 a	2.5 a	3.72 a	0.7 a	1.5 a	3.32 a	4.81 a	7.58 a	
	16	0.25 c	1.2 b	3.14 a	4.67 a	7.43 a	0.61 b		2.1 a	3.29 a	0.26 c	1.03 a	2.87 a	4.33 a	7.06 a	
	24	0.26 d	2.19 c	3.72 b	6.41 a			1.34 c	2.47 b		0.17 c	2.04 b	3.44 a		6.06 a	
9	12	0.32 c	1.21 b	2.97 a	4.37 a	6.91 a	0.07 d	0.67 c	2.06 a	3.21 a	0.33 c	1.07 b	2.78 a	4.16 a	6.7 a	
	16	0.64 c	2.4 c	3.79 a	6.28 a		0.18 d		1.59 c	2.7 b	0.53 c	2.26 b	3.6 a		6.07 a	
	24	1.36 d	2.74 c	5.12 b			0.74 d	1.75 d			1.32 d	2.57 c		4.92 b		
10	12	0.74 d	2.32 c	3.58 b	5.84 a		0.3 d	1.61 c	2.65 b		0.64 c	2.24 b	3.48 a	5.76 a		
	16	0.13 e	1.71 d	2.95 c	5.15 a			1.09 d	2.07 c	0.06 d	1.67 d	2.86 c		5.06 a		
	24	0.64 e	1.85 e	3.92 c			0.17 e	1.05 e			0.66 e	1.75 d		3.8 c		
12	12		1.21 e	2.19 d	3.9 c			0.79 e	1.58 d			1.25 e	2.2 d	3.96 c		
	16		0.6 e	1.55 e	3.19 d			0.23 f	0.96 e			0.64 e	1.54 e	3.21 d		
	24		0.45 f	1.95 e								0.38 f	1.89 e			
14	12			0.43 f	1.18 e	2.45 e			0.15 f	0.73 f			0.48 f	1.18 e	2.49 d	
	16				0.58 f	1.78 e			0.14 f				0.54 f		1.76 e	
	24					0.62 f							0.48 f	1.45 e	0.51 f	
16	12				0.5 f	1.46 f				0.15 f					0.77 f	
	16					0.83 f										
	24															

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



40 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S200-(mils)					550S162-(mils)					600S137-(mils)						
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi				
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97		
8	12	0.97 a	2.06 a	4.28 a	6.14 a	9.48 a	1.35 a	2.41 a	4.7 a	6.55 a	10.42 a	0.97 a	1.73 a	3.15 a	4.4 a	7 a		
	16	0.49 b	1.55 a	3.76 a	5.62 a	8.93 a	0.98 a	2.06 a	4.36 a	6.22 a	10.09 a	0.68 a	1.44 a	2.9 a	4.16 a	6.79 a		
	24	0.61 c	2.8 b	4.64 a	7.88 a	0.26 a	1.37 a	3.7 a	5.56 a	9.42 a	0.11 a	0.88 a	2.42 a	3.68 a	6.38 a			
9	12	0.55 b	1.56 a	3.61 a	5.36 a	8.43 a	1.03 a	2.09 a	4.36 a	6.23 a	10.09 a	0.73 a	1.48 a	2.93 a	4.19 a	6.81 a		
	16	0.97 b	3.01 a	4.74 a	7.77 a	0.57 a	1.65 a	3.93 a	5.81 a	9.66 a	0.37 a	1.13 a	2.62 a	3.88 a	6.54 a			
	24	1.93 c	3.62 b	6.55 a			0.82 a	3.11 a	4.98 a	8.8 a		0.43 a	2.01 a	3.27 a	6.01 a			
10	12	0.15 d	1.07 c	2.94 a	4.54 a	7.33 a	0.69 a	1.74 a	3.94 a	5.85 a	9.7 a	0.47 a	1.22 a	2.69 a	3.94 a	6.59 a		
	16	0.43 d	2.29 c	3.86 b	6.59 a	0.16 b	1.22 a	3.43 a	5.33 a	9.15 a	0.04 b	0.79 a	2.31 a	3.56 a	6.25 a			
	24	1.13 d	2.64 d	5.25 b			0.26 c	2.46 b	4.32 a	8.09 a			1.57 b	2.82 a	5.59 a			
12	12	0.2 e	1.73 d	3.01 c	5.21 b		0.99 b	3.01 a	4.77 a	8.67 a			0.63 b	2.13 a	3.36 a	6.05 a		
	16	1.03 e	2.27 d	4.4 c	1 e	2.97 e	0.34 d	2.35 c	4.07 b	7.88 a	1.16 d	2.8 d	6.43 b	0.06 c	1.6 b	2.82 a	5.55 a	
	24													0.63 d	1.82 c	4.62 b		
14	12			0.79 e	1.76 e	3.44 d		0.26 d	2.05 d	3.59 c	6.96 a			0.01 d	1.5 c	2.68 b	5.36 a	
	16			0.12 f	1.06 e	2.65 e	1.29 f		1.31 e	2.79 d	6.03 c	1.38 e	4.39 d		0.85 d	2 d	4.71 b	
	24								1.19 e	2.48 d	5.29 c	0.42 f	1.65 e	4.31 d	0.2 f	2.62 e	0.77 e	3.5 d
16	12			0.14 f	0.89 f	2.17 e									0.85 e	1.95 d	4.57 c	
	16				0.24 f	1.43 f								0.11 e	1.16 e	3.77 d		
	24				0.17 f										0.95 d	2.35 e		

40 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.47 a	2.53 a	4.79 a	6.65 a	10.62 a	1.88 a	3.27 a	6.42 a	9 a	14.67 a	1.14 a*	1.88 a	3.12 a	4.32 a	6.83 a
	16	1.12 a	2.2 a	4.48 a	6.35 a	10.33 a	1.52 a	2.88 a	6.03 a	8.63 a	14.3 a	0.92 a*	1.67 a	2.96 a	4.16 a	6.68 a
	24	0.45 a	1.58 a	3.89 a	5.77 a	9.75 a	0.81 a	2.13 a	5.27 a	7.92 a	13.58 a	0.5 a*	1.26 a	2.62 a	3.84 a	6.37 a
9	12	1.18 a	2.25 a	4.52 a	6.38 a	10.35 a	1.56 a	2.91 a	5.98 a	8.54 a	14.12 a	0.96 a*	1.71 a	2.98 a	4.19 a	6.7 a
	16	0.75 a	1.85 a	4.13 a	6 a	9.97 a	1.12 a	2.43 a	5.49 a	8.08 a	13.65 a	0.69 a*	1.45 a	2.77 a	3.98 a	6.51 a
	24	1.07 a	3.38 a	5.26 a	9.22 a	0.27 a	1.51 a	4.55 a	7.18 a	12.73 a	0.16 a*	0.94 a	2.35 a	3.58 a	6.12 a	
10	12	0.86 a	1.94 a	4.2 a	6.06 a	10.02 a	1.22 a	2.51 a	5.49 a	8.02 a	13.47 a	0.77 a*	1.52 a	2.83 a	4.03 a	6.55 a
	16	0.36 a	1.46 a	3.73 a	5.59 a	9.54 a	0.69 a	1.94 a	4.9 a	7.45 a	12.89 a	0.44 a*	1.2 a	2.56 a	3.78 a	6.31 a
	24	0.54 b	2.82 a	4.68 a	8.61 a		0.86 a	3.78 a	6.37 a	11.76 a	0.58 a	2.04 a	3.28 a	5.83 a		
12	12	0.19 c	1.24 a	3.43 a	5.3 a	9.19 a	0.5 b	1.66 a	4.37 a	6.77 a	11.86 a	0.33 a*	1.09 a	2.46 a	3.67 a	6.2 a
	16	0.61 c	2.78 b	4.63 a	8.49 a		0.92 b	3.6 a	6.01 a	11.05 a	0.64 a	2.08 a	3.31 a	5.85 a		
	24	1.59 d	3.39 c	7.17 a			2.19 c	4.6 b	9.52 a		1.35 a	2.59 a	5.15 a			
14	12	0.52 d	2.5 c	4.21 a	8.09 a		0.79 c	3.19 b	5.39 a	9.97 a		0.59 a	2.02 a	3.24 a	5.77 a	
	16	1.74 d	3.41 c	7.17 a			2.3 c	4.48 b	8.96 a		0.02 b	1.52 a	2.75 a	5.29 a		
	24	0.38 e	1.95 d	5.51 c			0.71 e	2.85 d	7.15 c		0.57 c	1.8 b	4.35 a			
16	12			1.6 d	3.09 c	6.44 b		0.01 d	2.09 d	4.03 c	8.01 a		0.06 c	1.53 b	2.74 a	5.25 a
	16			0.78 e	2.21 d	5.43 c			1.14 e	3.05 d	6.9 c	1.32 e	4.94 d	0.91 c	2.11 b	4.63 a
	24			0.67 e	3.65 e									0.95 d	3.44 c	

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



40 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	1.71 a*	2.7 a	4.84 a	6.67 a	10.7 a	2.23 a*	3.71 a	6.99 a	9.6 a	15.33 a
	16	1.46 a*	2.45 a	4.62 a	6.45 a	10.49 a	1.96 a*	3.42 a	6.71 a	9.34 a	15.08 a
	24	0.95 a*	1.97 a	4.17 a	6.02 a	10.06 a	1.42 a*	2.85 a	6.15 a	8.83 a	14.59 a
9	12	1.5 a*	2.5 a	4.65 a	6.49 a	10.51 a	2.01 a*	3.47 a	6.75 a	9.38 a	15.11 a
	16	1.18 a*	2.19 a	4.37 a	6.21 a	10.24 a	1.66 a*	3.11 a	6.39 a	9.05 a	14.79 a
	24	0.55 a*	1.57 a	3.8 a	5.66 a	9.69 a	0.98 a*	2.39 a	5.68 a	8.39 a	14.16 a
10	12	1.27 a*	2.27 a	4.44 a	6.27 a	10.3 a	1.75 a*	3.2 a	6.47 a	9.12 a	14.86 a
	16	0.88 a*	1.89 a	4.08 a	5.93 a	9.96 a	1.33 a*	2.75 a	6.02 a	8.71 a	14.46 a
	24	0.11 a*	1.14 a	3.39 a	5.24 a	9.28 a	0.51 a*	1.88 a	5.14 a	7.89 a	13.67 a
12	12	0.74 a*	1.74 a	3.93 a	5.76 a	9.78 a	1.17 a*	2.57 a	5.81 a	8.49 a	14.23 a
	16	0.2 a*	1.21 a	3.42 a	5.26 a	9.28 a	0.59 a*	1.94 a	5.16 a	7.89 a	13.63 a
	24		0.18 a	2.45 a	4.29 a	8.29 a		0.74 a	3.92 a	6.72 a	12.47 a
14	12	0.15 b*	1.14 a	3.32 a	5.14 a	9.13 a	0.52 a*	1.83 a	4.94 a	7.66 a	13.41 a
	16		0.45 b	2.65 a	4.47 a	8.43 a		1.03 a	4.1 a	6.85 a	12.58 a
	24			1.39 c	3.19 a	7.1 a			2.52 b	5.31 a	11 a
16	12		0.49 b	2.63 a	4.42 a	8.34 a		1.03 a	3.91 a	6.52 a	12.09 a
	16			1.81 c	3.57 a	7.44 a		0.09 c	2.91 b	5.53 a	11.04 a
	24			0.29 d	2 c	5.75 b		1.09 d	3.71 c	9.08 a	

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



50 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	0.09 d	0.76 c	2.3 b	3.38 a	5.54 a		0.49 c	1.81 b	2.78 a		0.16 c	0.86 b	2.48 a	3.66 a	5.96 a
	16		0.21 d	1.78 c	2.83 b	4.92 a			1.33 c	2.27 b		0.31 d	1.96 c	3.1 b	5.33 a	
	24			0.83 e	1.84 d	3.78 c			0.46 e	1.33 d		0.99 d	2.08 d	4.17 b		
9	12		0.29 d	1.71 c	2.68 b	4.58 a		0.07 d	1.32 d	2.18 c		0.39 d	1.89 c	2.94 b	4.99 a	
	16			1.14 d	2.08 d	3.89 b			0.78 e	1.61 d			1.31 d	2.32 c	4.28 b	
	24			0.14 e	1 e	2.65 d			0.59 e			0.27 e	1.21 e	3.01 d		
10	12			1.17 d	2.02 d	3.66 c			0.85 e	1.61 d			1.34 d	2.26 c	4.04 b	
	16			0.58 e	1.39 e	2.93 d			0.29 e	1.01 e			0.72 e	1.61 d	3.29 c	
	24				0.29 f	1.66 e							0.45 e	0.96 e		
12	12			0.32 f	0.94 e	2.11 e			0.1 f	0.66 e			0.43 f	1.11 e	2.4 d	
	16				0.32 f	1.39 e				0.06 f			0.46 f	1.65 e		
	24					0.16 f							0.34 f	0.32 f	0.34 f	
14	12				0.21 f	1.04 f				0.01 f				0.32 f	1.24 f	
	16					0.37 f								0.53 f		
	24														0.47 f	

50 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	362S200-(mils)					400S137-(mils)					400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	0.37 c	1.33 a	3.26 a	4.79 a	7.56 a	0.1 c	0.72 b	2.19 a	3.39 a		0.37 b	1.15 a	2.98 a	4.45 a	7.19 a
	16		0.72 c	2.65 b	4.18 a	6.91 a		0.21 c	1.71 b	2.87 a		0.59 c	2.45 a	3.87 a	6.55 a	
	24			1.54 d	3.06 c	5.69 a			0.82 d	1.9 c			1.46 c	2.81 c	5.35 a	
9	12		0.78 c	2.54 b	3.93 a	6.43 a		0.29 d	1.7 c	2.82 b		0.66 c	2.39 b	3.73 a	6.22 a	
	16		0.1 d	1.86 d	3.25 c	5.68 a			1.15 d	2.21 c		0.04 d	1.78 c	3.07 b	5.48 a	
	24			0.67 e	2.02 d	4.33 c			0.15 e	1.11 e		0.68 e	1.87 d	4.12 c		
10	12		0.27 d	1.86 d	3.1 c	5.32 a			1.22 d	2.21 c			0.2 d	1.81 c	3.01 b	5.23 a
	16			1.15 e	2.38 d	4.52 c			0.62 e	1.55 d			1.15 d	2.29 d	4.41 b	
	24				1.11 e	3.09 d				0.37 e			1 e		2.95 d	
12	12			0.74 e	1.7 e	3.36 d			0.37 e	1.11 e			0.78 e	1.69 e	3.39 d	
	16			0.05 f	0.98 e	2.55 e				0.41 f			0.09 f	0.93 e	2.52 e	
	24					1.13 f							1.01 f			
14	12				0.72 f	1.94 e				0.28 f			0.03 f	0.7 f	1.94 e	
	16				0.05 f	1.17 f							0.02 f	0.94 f		
	24					0.08 f	0.98 f						0.17 f			

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



50 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S200-(mils)					550S162-(mils)					600S137-(mils)						
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi				
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97		
8	12	0.6 b	1.67 a	3.89 a	5.75 a	9.06 a	1.07 a	2.14 a	4.44 a	6.3 a	10.17 a	0.75 a	1.51 a	2.96 a	4.22 a	6.85 a		
	16	0.03 c	1.07 b	3.27 a	5.12 a	8.39 a	0.61 a	1.71 a	4.02 a	5.89 a	9.75 a	0.39 a	1.16 a	2.66 a	3.92 a	6.58 a		
	24			2.13 c	3.95 b	7.14 a		0.88 a	3.21 a	5.08 a	8.93 a		0.47 a	2.06 a	3.33 a	6.07 a		
9	12	0.14 c	1.12 b	3.16 a	4.89 a	7.93 a	0.69 a	1.76 a	4.04 a	5.91 a	9.76 a	0.46 a	1.21 a	2.7 a	3.96 a	6.61 a		
	16			0.43 c	2.46 c	4.17 a	7.15 a	0.14 b	1.23 a	3.52 a	5.39 a	9.23 a	0.02 b	0.78 a	2.31 a	3.57 a	6.28 a	
	24			1.19 d	2.84 c	5.7 b		0.23 c	2.52 b	4.38 a	8.19 a			1.57 a	2.83 a	5.62 a		
10	12			0.59 d	2.45 c	4.03 b	6.77 a	0.29 b	1.35 a	3.56 a	5.46 a	9.28 a	0.14 b	0.89 a	2.4 a	3.65 a	6.34 a	
	16				1.69 d	3.23 c	5.9 a		0.73 b	2.94 a	4.82 a	8.61 a		0.37 b	1.94 a	3.19 a	5.92 a	
	24				0.35 e	1.82 e	4.33 c			1.78 c	3.61 b	7.34 a			1.04 c	2.29 b	5.11 a	
12	12				1.2 e	2.45 d	4.59 c		0.5 c	2.51 b	4.24 a	8.07 a		0.2 c	1.73 b	2.96 a	5.68 a	
	16				0.41 e	1.61 e	3.66 d			1.74 d	3.42 c	7.13 a			1.1 c	2.31 b	5.08 a	
	24					0.16 f	2.03 e			0.35 e	1.93 d	5.43 c				1.12 d	3.95 c	
14	12					0.28 f	1.23 e	2.84 e			1.49 d	2.98 d	6.26 b			1 d	2.17 c	4.87 b
	16						0.43 f	1.94 e			0.63 e	2.06 e	5.18 d			0.24 e	1.37 d	4.09 c
	24						0.4 f				0.44 f		3.29 e					2.67 e
16	12						0.39 f	1.6 f			0.6 e	1.85 e	4.55 d			0.28 e	1.35 e	3.96 d
	16							0.77 f				0.89 f	3.43 e				0.44 e	3.03 e
	24											1.52 f					1.39 f	

50 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S162-(mils)					600S200-(mils)					800S137-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.21 a	2.28 a	4.56 a	6.43 a	10.4 a	1.6 a	2.98 a	6.12 a	8.72 a	14.4 a	0.98 a*	1.72 a	3 a	4.2 a	6.72 a
	16	0.78 a	1.89 a	4.18 a	6.06 a	10.04 a	1.16 a	2.5 a	5.64 a	8.27 a	13.94 a	0.71 a*	1.47 a	2.79 a	4 a	6.53 a
	24		1.12 a	3.45 a	5.34 a	9.32 a	0.3 a	1.58 a	4.71 a	7.39 a	13.05 a	0.18 a*	0.96 a	2.37 a	3.6 a	6.15 a
9	12	0.86 a	1.95 a	4.22 a	6.09 a	10.06 a	1.23 a	2.55 a	5.62 a	8.19 a	13.77 a	0.76 a*	1.51 a	2.82 a	4.03 a	6.55 a
	16	0.34 a	1.46 a	3.75 a	5.62 a	9.59 a	0.69 a	1.97 a	5.02 a	7.63 a	13.19 a	0.43 a*	1.19 a	2.56 a	3.78 a	6.31 a
	24		0.52 b	2.84 a	4.72 a	8.68 a		0.85 a	3.87 a	6.53 a	12.06 a		0.56 a	2.04 a	3.27 a	5.83 a
10	12	0.48 a	1.58 a	3.84 a	5.71 a	9.66 a	0.82 a	2.08 a	5.05 a	7.59 a	13.03 a	0.52 a*	1.28 a	2.63 a	3.84 a	6.37 a
	16		0.99 a	3.27 a	5.13 a	9.07 a	0.19 b	1.39 a	4.33 a	6.9 a	12.32 a	0.11 a*	0.89 a	2.3 a	3.53 a	6.07 a
	24			2.17 b	4.03 a	7.94 a		0.1 b	2.99 a	5.59 a	10.94 a		0.12 a	1.66 a	2.91 a	5.48 a
12	12		0.76 b	2.94 a	4.79 a	8.66 a		1.1 b	3.79 a	6.2 a	11.25 a		0.75 a	2.17 a	3.4 a	5.94 a
	16		0.01 d	2.17 c	4 b	7.82 a		0.23 c	2.88 b	5.29 a	10.27 a		0.21 a	1.71 a	2.95 a	5.5 a
	24			0.77 d	2.53 d	6.25 b			1.22 d	3.62 c	8.45 a			0.82 b	2.07 a	4.64 a
14	12			1.92 d	3.6 c	7.39 a		0.15 d	2.52 c	4.7 b	9.21 a		0.16 b	1.65 a	2.87 a	5.41 a
	16			1.03 e	2.66 d	6.32 c			1.48 d	3.64 c	8.03 b			1.04 b	2.27 a	4.81 a
	24			0.97 e	4.39 d				1.75 e		5.91 d			1.12 c	3.67 b	
16	12			0.98 e	2.42 d	5.67 c			1.37 d	3.28 d	7.16 b			1.06 c	2.27 b	4.78 a
	16			0.04 f	1.41 e	4.5 d			0.28 e	2.15 e	5.88 d			0.32 d	1.52 c	4.02 b
	24				2.47 e				0.18 f		3.64 e			0.12 e	2.59 d	

See Combined Axial and Lateral Load Table Notes on page 37.

Combined Axial and Lateral Load Tables



50 psf Lateral Load											
Wall Height (ft)	Spacing (in.) o.c.	800S162-(mils)					800S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97
8	12	1.52 a*	2.52 a	4.67 a	6.51 a	10.54 a	2.03 a*	3.49 a	6.78 a	9.41 a	15.14 a
	16	1.2 a*	2.21 a	4.39 a	6.24 a	10.27 a	1.69 a*	3.14 a	6.43 a	9.09 a	14.84 a
	24	0.58 a*	1.61 a	3.84 a	5.7 a	9.74 a	1.01 a*	2.43 a	5.73 a	8.45 a	14.22 a
9	12	1.26 a*	2.26 a	4.44 a	6.28 a	10.31 a	1.75 a*	3.2 a	6.48 a	9.13 a	14.87 a
	16	0.86 a*	1.88 a	4.08 a	5.93 a	9.97 a	1.32 a*	2.75 a	6.03 a	8.72 a	14.48 a
	24	0.09 a*	1.12 a	3.39 a	5.25 a	9.29 a	0.48 a*	1.86 a	5.15 a	7.9 a	13.69 a
10	12	0.97 a*	1.98 a	4.17 a	6.01 a	10.04 a	1.43 a*	2.86 a	6.13 a	8.81 a	14.56 a
	16	0.49 a*	1.51 a	3.73 a	5.58 a	9.62 a	0.91 a*	2.31 a	5.58 a	8.3 a	14.06 a
	24	0.59 a	2.88 a	4.74 a	8.77 a		1.24 a	4.5 a	7.29 a	13.08 a	
12	12	0.33 a*	1.34 a	3.55 a	5.39 a	9.4 a	0.73 a*	2.1 a	5.32 a	8.04 a	13.78 a
	16		0.69 a	2.93 a	4.77 a	8.78 a	0.02 a*	1.33 a	4.53 a	7.3 a	13.05 a
	24			1.74 a	3.58 a	7.56 a			3.03 a	5.87 a	11.62 a
14	12		0.62 a	2.82 a	4.64 a	8.6 a		1.22 a	4.3 a	7.05 a	12.79 a
	16			2.01 b	3.82 a	7.76 a		0.26 b	3.29 a	6.07 a	11.78 a
	24			0.5 d	2.27 c	6.14 a			1.42 c	4.22 b	9.86 a
16	12			2.01 b	3.78 a	7.66 a		0.32 c	3.15 a	5.77 a	11.3 a
	16			1.03 d	2.77 c	6.57 a			1.97 c	4.6 b	10.04 a
	24				0.91 d	4.57 c				2.45 d	7.71 b

See Combined Axial and Lateral Load Table Notes on page 37.

Allowable Floor Joist Span Table Notes

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

Floor Joist Span Tables



10 psf Dead Load and 20 psf Live Load

Member	Fy (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in) o.c.			Spacing (in) o.c.			Spacing (in) o.c.			Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	14' 6"	12' 7" e	10' 3" e	14' 6" i	12' 7" i	10' 3" a	14' 4"	12' 7" e	10' 3" e	14' 6" i	12' 7" i	10' 3" a
600S200-33	33	15' 6"	13' 5" e	10' 11" e	15' 6" i	13' 5" i	10' 11" a	15' 0"	13' 5" e	10' 11" e	15' 6" i	13' 5" i	10' 11" a
600S162-43	33	17' 2"	15' 6"	12' 8"	17' 11" i	15' 6" i	12' 8" i	15' 7"	14' 2"	12' 5"	17' 6" i	15' 6" i	12' 8" i
600S200-43	33	18' 0"	16' 0"	13' 1"	18' 6" i	16' 0" i	13' 1" i	16' 5"	14' 11"	13' 0"	18' 5" i	16' 0" i	13' 1" i
600S250-43	33	18' 11"	16' 5"	13' 5" e	19' 0" i	16' 5" i	13' 5" i	17' 2"	15' 7"	13' 5" e	19' 0" i	16' 5" i	13' 5" i
600S162-54	50	18' 5"	16' 9"	14' 7"	20' 8"	18' 9" i	16' 5" i	16' 9"	15' 2"	13' 3"	18' 9"	17' 1"	14' 11" i
600S200-54	50	19' 4"	17' 7"	15' 4"	21' 9"	19' 9" i	17' 3" i	17' 7"	16' 0"	14' 0"	19' 9"	17' 11"	15' 8" i
600S250-54	50	20' 2"	18' 4"	16' 0"	22' 8"	20' 7" i	17' 10" i	18' 4"	16' 8"	14' 7"	20' 7"	18' 9"	16' 4" i
600S162-68	50	19' 9"	17' 11"	15' 8"	22' 2"	20' 2"	17' 7"	17' 11"	16' 4"	14' 3"	20' 2"	18' 4"	16' 0" o
600S200-68	50	20' 9"	18' 10"	16' 6"	23' 4"	21' 2"	18' 6"	18' 10"	17' 2"	15' 0"	21' 2"	19' 3"	16' 10" o
600S250-68	50	21' 9"	19' 9"	17' 3" i	24' 5"	22' 3"	19' 5" i	19' 9"	18' 0"	15' 8"	22' 3"	20' 2"	17' 8" o
600S162-97	50	21' 11"	19' 11"	17' 4"	24' 7"	22' 4"	19' 6"	19' 11"	18' 1"	15' 9"	22' 4"	20' 3"	17' 9" o
600S200-97	50	23' 1"	20' 11"	18' 4"	25' 11"	23' 6"	20' 7"	20' 11"	19' 0"	16' 8"	23' 6"	21' 4"	18' 8" o
600S250-97	50	24' 3"	22' 0"	19' 3"	27' 2"	24' 8"	21' 7"	22' 0"	20' 0"	17' 6"	24' 8"	22' 5"	19' 7" o
600S162-118	50	23' 1"	21' 0"	18' 4"	25' 11"	23' 7"	20' 7"	21' 0"	19' 1"	16' 8"	23' 7"	21' 5"	18' 9" o
600S200-118	50	24' 5"	22' 2"	19' 4"	27' 5"	24' 11"	21' 9"	22' 2"	20' 2"	17' 7"	24' 11"	22' 7"	19' 9" o
600S250-118	50	25' 8"	23' 4"	20' 4"	28' 9"	26' 2"	22' 10"	23' 4"	21' 2"	18' 6"	26' 2"	23' 9"	20' 9" o
800S162-33	33	16' 9" e	14' 6" e	11' 10" e	16' 9" a	14' 0" a	10' 6" a	16' 9" e	14' 6" e	11' 10" e	16' 9" a	14' 0" a	10' 6" a
800S200-33	33	18' 0" e	15' 7" e	12' 8" e	17' 10" a	14' 7" a	10' 10" a	18' 0" e	15' 7" e	12' 8" e	17' 10" a	14' 7" a	10' 10" a
800S162-43	33	20' 2"	17' 6"	14' 3" e	20' 2" i	17' 6" i	14' 3" i	19' 6"	17' 6"	14' 3" e	20' 2" i	17' 6" i	14' 3" i
800S200-43	33	21' 7"	18' 8"	15' 3" e	21' 7" i	18' 8" i	15' 3" a	20' 7"	18' 8"	15' 3" e	21' 7" i	18' 8" i	15' 3" a
800S250-43	33	22' 2"	19' 2" e	15' 8" e	22' 2" i	19' 2" i	15' 8" a	21' 5"	19' 2" e	15' 8" e	22' 2" i	19' 2" i	15' 8" a
800S162-54	50	23' 1"	20' 11"	18' 3"	25' 10" i	23' 5" i	19' 1" i	20' 11"	19' 0"	16' 7"	23' 6"	21' 4" i	18' 8" i
800S200-54	50	24' 4"	22' 1"	19' 4"	27' 3" i	24' 10" i	20' 5" i	22' 1"	20' 1"	17' 6"	24' 10"	22' 6" i	19' 8" i
800S250-54	50	25' 3"	22' 11"	20' 1"	28' 4" i	25' 7" i	20' 10" i	22' 11"	20' 10"	18' 3"	25' 9"	23' 5" i	20' 5" i
800S162-68	50	24' 11"	22' 8"	19' 9"	28' 0"	25' 5" i	22' 2" i	22' 8"	20' 7"	18' 0"	25' 5"	23' 1"	20' 2" i
800S200-68	50	26' 1"	23' 9"	20' 9"	29' 4"	26' 8"	23' 3" i	23' 9"	21' 7"	18' 10"	26' 8"	24' 2"	21' 2" o
800S250-68	50	27' 3"	24' 9"	21' 7"	30' 7"	27' 9" i	24' 3" i	24' 9"	22' 6"	19' 8"	27' 9"	25' 3"	22' 1" i
800S162-97	50	27' 8"	25' 2"	22' 0"	31' 1"	28' 3"	24' 8"	25' 2"	22' 10"	20' 0"	28' 3"	25' 8"	22' 5" o
800S200-97	50	29' 0"	26' 5"	23' 1"	32' 7"	29' 7"	25' 11"	26' 5"	24' 0"	20' 11"	29' 7"	26' 11"	23' 6" o
800S250-97	50	30' 4"	27' 7"	24' 1"	34' 1"	30' 11"	27' 1"	27' 7"	25' 1"	21' 11"	30' 11"	28' 2"	24' 7" o
800S162-118	50	29' 4"	26' 7"	23' 3"	32' 11"	29' 11"	26' 1"	26' 7"	24' 2"	21' 2"	29' 11"	27' 2"	23' 9" o
800S200-118	50	30' 9"	27' 11"	24' 5"	34' 6"	31' 5" i	27' 5"	27' 11"	25' 5"	22' 2"	31' 5"	28' 6"	24' 11" o
800S250-118	50	32' 2"	29' 3"	25' 6"	36' 1"	32' 10"	28' 8"	29' 3"	26' 7"	23' 2"	32' 10"	29' 10"	26' 1" o
1000S162-43	33	22' 4" e	19' 4" e	15' 10" e	22' 4" a	19' 4" a	15' 9" a	22' 4" e	19' 4" e	15' 10" e	22' 4" a	19' 4" a	15' 9" a
1000S200-43	33	24' 1" e	20' 11" e	17' 1" e	24' 1" a	20' 11" a	16' 6" a	24' 1" e	20' 11" e	17' 1" e	24' 1" a	20' 11" a	16' 6" a
1000S250-43	33	24' 10" e	21' 6" e	17' 6" e	24' 10" a	21' 6" a	16' 9" a	24' 10" e	21' 6" e	17' 6" e	24' 10" a	21' 6" a	16' 9" a
1000S162-54	50	27' 5"	24' 10"	21' 2"	30' 0" i	25' 11" i	21' 2" i	24' 10"	22' 7"	19' 9"	27' 11" i	25' 4" i	21' 2" i
1000S200-54	50	28' 8"	26' 9"	22' 2" i	27' 11" i	22' 9" i	26' 0" i	23' 8"	20' 8"	29' 3" i	26' 7" i	22' 9" i	22' 9" i
1000S250-54	50	30' 3"	27' 6"	23' 5"	33' 1" i	28' 8" i	23' 5" i	27' 6"	25' 0"	21' 10"	30' 10" i	28' 0" i	23' 5" i
1000S162-68	50	29' 8"	27' 0"	23' 7"	33' 4" i	30' 3" i	25' 0" i	27' 0"	24' 6"	21' 5"	30' 3"	27' 6" i	24' 0" i
1000S200-68	50	31' 0"	28' 2"	24' 7"	34' 10" i	31' 8" i	26' 9" i	28' 2"	25' 7"	22' 4"	31' 8"	28' 9"	25' 1" i
1000S250-68	50	32' 6"	29' 7"	25' 10"	36' 6" i	33' 2" i	27' 6" i	29' 7"	26' 10"	23' 5"	33' 2"	30' 2" i	26' 4" i
1000S162-97	50	33' 4"	30' 4"	26' 6"	37' 5"	34' 0"	29' 9"	30' 4"	27' 6"	24' 1"	34' 0"	30' 11"	27' 0" o
1000S200-97	50	34' 10"	31' 8"	27' 8"	39' 1"	35' 6"	31' 0"	31' 8"	28' 9"	25' 1"	35' 6"	32' 3"	28' 2" o
1000S250-97	50	36' 3"	32' 11"	28' 9"	40' 9"	37' 0"	32' 4"	32' 11"	29' 11"	26' 2"	37' 0"	33' 7"	29' 4" o
1000S162-118	50	35' 4"	32' 1"	28' 0"	39' 8"	36' 0"	31' 6"	32' 1"	29' 2"	25' 6"	36' 0"	32' 9"	28' 7" o
1000S200-118	50	36' 11"	33' 7"	29' 4"	41' 6"	37' 8"	32' 11"	33' 7"	30' 6"	26' 8"	37' 8"	34' 3"	29' 11" o
1000S250-118	50	38' 6"	35' 0"	30' 7"	43' 2"	39' 3"	34' 4"	35' 0"	31' 9"	27' 9"	39' 3"	35' 8"	31' 2" o
1200S162-54	50	31' 6" e	27' 11" e	22' 10" e	32' 3" a	27' 11" a	22' 10" a	28' 7" e	26' 0" e	22' 9" e	32' 2" a	27' 11" a	22' 10" a
1200S200-54	50	32' 11" e	29' 11" e	24' 8" e	34' 11" a	30' 3" a	24' 8" a	29' 11" e	27' 2" e	23' 9" e	33' 7" a	30' 3" a	24' 8" a
1200S250-54	50	34' 3" e	31' 2" e	25' 6" e	36' 0" a	31' 2" a	25' 6" a	31' 2" e	28' 4" e	24' 9" e	35' 0" a	31' 2" a	25' 6" a

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



10 psf Dead Load and 20 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



10 psf Dead Load and 30 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



10 psf Dead Load and 30 psf Live Load

Member	Fy (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in) o.c.			Spacing (in) o.c.			Spacing (in) o.c.			Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24
800S162-33	33	14' 6" e	12' 7" e	10' 3" e	14' 0" a	11' 5" a	8' 5" a	14' 6" e	12' 7" e	10' 3" e	14' 0" a	11' 5" a	8' 5" a
800S200-33	33	15' 7" e	13' 6" e	11' 0" e	14' 7" a	11' 10" a	8' 9" a	15' 7" e	13' 6" e	11' 0" e	14' 7" a	11' 10" a	8' 9" a
800S162-43	33	17' 6"	15' 2" e	12' 4" e	17' 6" i	15' 2" i	12' 4" a	17' 0"	15' 2" e	12' 4" e	17' 6" i	15' 2" i	12' 4" a
800S200-43	33	18' 8"	16' 2" e	13' 3" e	18' 8" i	16' 2" i	13' 3" a	18' 0"	16' 2" e	13' 3" e	18' 8" i	16' 2" i	13' 3" a
800S250-43	33	19' 2" e	16' 7" e	13' 7" e	19' 2" i	16' 7" i	13' 7" a	18' 9"	16' 7" e	13' 7" e	19' 2" i	16' 7" i	13' 7" a
800S162-54	50	20' 2"	18' 3"	16' 0"	22' 7" i	20' 3" i	16' 6" i	18' 3"	16' 7"	14' 6"	20' 6" i	18' 8" i	16' 4" i
800S200-54	50	21' 3"	19' 4"	16' 10"	23' 10" i	21' 7" i	17' 8" i	19' 4"	17' 6"	15' 4"	21' 8" i	19' 8" i	17' 2" i
800S250-54	50	22' 1"	20' 1"	17' 6"	24' 9" i	22' 1" i	18' 1" i	20' 1"	18' 3"	15' 11"	22' 6" i	20' 5" i	17' 10" i
800S162-68	50	21' 9"	19' 9"	17' 3"	24' 5"	22' 2" i	19' 5" i	19' 9"	18' 0"	15' 8"	22' 2"	20' 2"	17' 7" i
800S200-68	50	22' 10"	20' 9"	18' 1"	25' 7"	23' 3" i	20' 4" i	20' 9"	18' 10"	16' 5"	23' 3"	21' 2"	18' 6" i
800S250-68	50	23' 0"	21' 7"	18' 11"	26' 9"	24' 3" i	21' 2" i	21' 7"	19' 8"	17' 2"	24' 3"	22' 1"	19' 3" i
800S162-97	50	24' 2"	22' 0"	19' 2"	27' 2"	24' 8"	21' 7"	22' 0"	20' 0"	17' 5"	24' 8"	22' 5"	19' 7"
800S200-97	50	25' 4"	23' 1"	20' 2"	28' 6"	25' 11"	22' 7"	23' 1"	20' 11"	18' 4"	25' 11"	23' 6"	20' 6"
800S250-97	50	26' 6"	24' 1"	21' 1"	29' 9"	27' 1"	23' 7"	24' 1"	21' 11"	19' 1"	27' 1"	24' 7"	21' 6"
800S162-118	50	25' 7"	23' 3"	20' 4"	28' 9"	26' 1"	22' 10"	23' 3"	21' 2"	18' 5"	26' 1"	23' 9"	20' 9"
800S200-118	50	26' 10"	24' 5"	21' 4"	30' 2"	27' 5"	23' 11"	24' 5"	22' 2"	19' 5"	27' 5"	24' 11"	21' 9"
800S250-118	50	28' 1"	25' 6"	22' 4"	31' 7"	28' 8"	25' 1"	25' 6"	23' 2"	20' 3"	28' 8"	26' 1"	22' 9"
1000S162-43	33	19' 4" e	16' 9" e	13' 9" e	19' 4" a	16' 9" a	12' 10" a	19' 4" e	16' 9" e	13' 9" e	19' 4" a	16' 9" a	12' 10" a
1000S200-43	33	20' 11" e	18' 1" e	14' 2" e	20' 11" a	17' 10" a	13' 5" a	20' 11" e	18' 1" e	14' 2" e	20' 11" a	17' 10" a	13' 5" a
1000S250-43	33	21' 6" e	18' 7" e	15' 2" e	21' 6" a	18' 2" a	13' 7" a	21' 6" e	18' 7" e	15' 2" e	21' 6" a	18' 2" a	13' 7" a
1000S162-54	50	23' 11"	21' 9"	18' 4"	25' 11" i	22' 6" i	18' 4" i	21' 9"	19' 9"	17' 3"	24' 5" i	22' 2" i	18' 4" i
1000S200-54	50	25' 0"	22' 9"	19' 9"	27' 11" i	24' 2" i	19' 9" i	22' 9"	20' 8"	18' 1"	25' 6" i	23' 2" i	19' 9" i
1000S250-54	50	26' 5"	24' 0"	20' 3"	28' 8" i	24' 10" i	20' 3" i	24' 0"	21' 10"	19' 1"	26' 11" i	24' 6" i	20' 3" i
1000S162-68	50	25' 11"	23' 7"	20' 7"	29' 1" i	26' 6" i	21' 8" i	23' 7"	21' 5"	18' 8"	26' 6"	24' 0" i	21' 0" i
1000S200-68	50	27' 1"	24' 7"	21' 6"	30' 5" i	27' 8" i	23' 2" i	24' 7"	22' 4"	19' 7"	27' 8"	25' 1" i	21' 11" i
1000S250-68	50	28' 5"	25' 10"	22' 7"	31' 11" i	29' 0" i	23' 10" i	25' 10"	23' 5"	20' 6"	29' 0"	26' 4" i	23' 0" i
1000S162-97	50	29' 2"	26' 6"	23' 1"	32' 8"	29' 9"	26' 0" i	26' 6"	24' 1"	21' 0"	29' 9"	27' 0"	23' 7" i
1000S200-97	50	30' 5"	27' 8"	24' 2"	34' 2"	31' 0"	27' 1" i	27' 8"	25' 1"	21' 11"	31' 0"	28' 2"	24' 8"
1000S250-97	50	31' 8"	28' 9"	25' 2"	35' 7"	32' 4" i	28' 3" i	28' 9"	26' 2"	22' 10"	32' 4"	29' 4"	25' 8" i
1000S162-118	50	30' 10"	28' 0"	24' 6"	34' 8"	31' 6"	27' 6" i	28' 0"	25' 6"	22' 3"	31' 6"	28' 7"	25' 0" i
1000S200-118	50	32' 3"	29' 4"	25' 7"	36' 3"	32' 11"	28' 9" i	29' 4"	26' 8"	23' 3"	32' 11"	29' 11"	26' 1" i
1000S250-118	50	33' 7"	30' 7"	26' 8"	37' 9"	34' 4"	30' 0"	30' 7"	27' 9"	24' 3"	34' 4"	31' 2" i	27' 3" i
1200S162-54	50	27' 6" e	24' 2" e	19' 9" e	27' 11" a	24' 2" a	19' 6" a	25' 0" e	22' 9" e	19' 9" e	27' 11" a	24' 2" a	19' 6" a
1200S200-54	50	28' 9" e	26' 2" e	21' 4" e	30' 3" a	26' 2" a	20' 6" a	26' 2" e	23' 9" e	20' 9" e	29' 4" a	26' 2" a	20' 6" a
1200S250-54	50	29' 11" e	27' 0" e	22' 1" e	31' 2" a	27' 0" a	20' 11" a	27' 0" e	24' 9" e	21' 7" e	30' 7" a	27' 0" a	20' 11" a
1200S162-68	50	29' 11"	27' 2"	23' 6"	33' 3" i	28' 9" i	23' 6" i	27' 2"	24' 8"	21' 7"	30' 6" i	27' 9" i	23' 6" i
1200S200-68	50	31' 2"	28' 4"	24' 9"	35' 0" i	30' 11" i	25' 3" i	28' 4"	25' 9"	22' 6"	31' 10" i	28' 11" i	25' 3" i
1200S250-68	50	32' 6"	29' 6"	25' 10"	36' 6" i	31' 11" i	26' 1" i	29' 6"	26' 10"	23' 5"	33' 2" i	30' 2" i	26' 1" i
1200S162-97	50	33' 11"	30' 10"	26' 11"	38' 1"	34' 7"	30' 2" i	30' 10"	28' 0"	24' 5"	34' 7"	31' 5"	27' 5" i
1200S200-97	50	35' 4"	32' 1"	28' 0"	39' 8"	36' 0"	31' 5" i	32' 1"	29' 2"	25' 5"	36' 0"	32' 9"	28' 7" i
1200S250-97	50	36' 8"	33' 4"	29' 1"	41' 2"	37' 5" i	32' 8" i	33' 4"	30' 3"	26' 5"	37' 5"	34' 0"	29' 8" i
1200S162-118	50	36' 1"	32' 9"	28' 7"	40' 6"	36' 9"	32' 1" i	32' 9"	29' 9"	26' 0"	36' 9"	33' 5"	29' 2" i
1200S200-118	50	37' 7"	34' 1"	29' 10"	42' 2"	38' 4"	33' 6" i	34' 1"	31' 0"	27' 1"	38' 4"	34' 10"	30' 5" i
1200S250-118	50	39' 0"	35' 5"	30' 11"	43' 9"	39' 9"	34' 9" i	35' 5"	32' 2"	28' 2"	39' 9"	36' 2"	31' 7" i
1200S300-118	50	40' 3"	36' 7"	31' 11"	45' 2"	41' 1" i	35' 10" i	36' 7"	33' 3"	29' 0"	41' 1" i	37' 4"	32' 7" i
1200S350-118	50	42' 4"	38' 5"	33' 7"	47' 6"	43' 2" i	37' 8" i	38' 5" i	34' 11" i	30' 6"	43' 2" i	39' 3" i	34' 3" i

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



10 psf Dead Load and 30 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



10 psf Dead Load and 40 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



10 psf Dead Load and 40 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



10 psf Dead Load and 50 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



10 psf Dead Load and 50 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



15 psf Dead Load and 125 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



15 psf Dead Load and 125 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



40 psf Dead Load and 125 psf Live Load

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

See Allowable Floor Joist Span Table Notes on page 62.

Floor Joist Span Tables



40 psf Dead Load and 125 psf Live Load

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

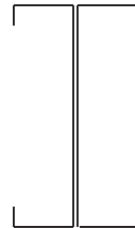
See Allowable Floor Joist Span Table Notes on page 62.

Header Load Table Notes

1. Calculated properties are based on AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Allowable deflection limit is L/360.
3. Allowable capacities have not been modified for wind or earthquake loading.
4. Headers are made from two "boxed" or back-to-back members.
4. Allowable moment, shear, and web crippling capacities are based on twice the capacity of a single member. The moment of inertia is based on twice the value of the single member.
5. Minimum bearing length for web crippling = 1-inch
6. Capacities are calculated for unpunched members only.
7. Members are assumed adequately braced for bending.
8. Allowable loads are for simply supported headers with uniform bending loads only.
9. "e" Web stiffeners are required at each support.



Boxed Header



Back-to-Back "I" Header

Header Load Tables

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

See Header Load Table Notes on page 76.

Header Load Tables



Header Allowable Uniform Loads (lb/ft)

Member	Yield, F _y ksi	SPAN					
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)
800S137-33	33	632 e	474 e	379 e	316 e	237 e	164 e
800S162-33	33	632 e	474 e	379 e	316 e	237 e	187 e
800S200-33	33	632 e	474 e	379 e	316 e	237 e	190 e
800S137-43	33	1402 e	1051 e	841 e	656 e	369 e	236 e
800S162-43	33	1402 e	1051 e	841 e	701 e	420 e	269 e
800S200-43	33	1402 e	1051 e	841 e	701 e	526 e	341 e
800S250-43	33	1402 e	1051 e	841 e	701 e	526 e	346 e
800S137-54	33	2788 e	1941 e	1242 e	863 e	485 e	311 e
800S137-54	50	2788 e	2091 e	1673 e	1201 e	676 e	432 e
800S162-54	33	2788 e	2091 e	1406 e	976 e	549 e	351 e
800S162-54	50	2788 e	2091 e	1673 e	1363 e	767 e	489 e
800S200-54	33	2788 e	2091 e	1673 e	1324 e	745 e	477 e
800S200-54	50	2788 e	2091 e	1673 e	1394 e	935 e	574 e
800S250-54	33	2788 e	2091 e	1673 e	1253 e	705 e	451 e
800S250-54	50	2788 e	2091 e	1673 e	1394 e	951 e	609 e
800S137-68	33	4511 e	2538 e	1624 e	1128 e	634 e	406 e
800S137-68	50	5628 e	3664 e	2345 e	1628 e	916 e	549 e
800S162-68	33	5085 e	2860 e	1831 e	1271 e	715 e	458 e
800S162-68	50	5628 e	4150 e	2656 e	1845 e	1038 e	618 e
800S200-68	33	5628 e	3774 e	2415 e	1677 e	944 e	604 e
800S200-68	50	5628 e	4221 e	3377 e	2415 e	1359 e	712 e
800S250-68	33	5628 e	4028 e	2578 e	1790 e	1007 e	644 e
800S250-68	50	5628 e	4221 e	3288 e	2283 e	1284 e	808 e
800S137-97	33	7865 e	4424 e	2831 e	1966 e	1106 e	708 e
800S137-97	50	9535 e	5363 e	3432 e	2384 e	1341 e	752 e
800S162-97	33	8633 e	4856 e	3108 e	2158 e	1214 e	777 e
800S162-97	50	10772 e	6059 e	3878 e	2693 e	1515 e	849 e
800S200-97	33	9647 e	5427 e	3473 e	2412 e	1357 e	868 e
800S200-97	50	14316 e	8052 e	5154 e	3579 e	1913 e	979 e
800S250-97	33	10677 e	6006 e	3844 e	2669 e	1501 e	961 e
800S250-97	50	14514 e	8558 e	5477 e	3804 e	2140 e	1118 e
800S162-118	33	10588 e	5956 e	3812 e	2647 e	1489 e	953 e
800S162-118	50	15590 e	8769 e	5612 e	3897 e	1964 e	1006 e
800S200-118	33	11819 e	6648 e	4255 e	2955 e	1662 e	1064 e
800S200-118	50	17474 e	9829 e	6291 e	4369 e	2273 e	1164 e
800S250-118	33	13083 e	7359 e	4710 e	3271 e	1840 e	1177 e
800S250-118	50	18890 e	10626 e	6801 e	4723 e	2602 e	1332 e
1000S137-43	33	1115 e	836 e	669 e	557 e	418 e	302 e
1000S162-43	33	1115 e	836 e	669 e	557 e	418 e	334 e
1000S200-43	33	1115 e	836 e	669 e	557 e	418 e	334 e
1000S250-43	33	1115 e	836 e	669 e	557 e	418 e	334 e
1000S137-54	33	2214 e	1661 e	1329 e	1107 e	628 e	402 e
1000S137-54	50	2214 e	1661 e	1329 e	1107 e	830 e	554 e
1000S162-54	33	2214 e	1661 e	1329 e	1107 e	709 e	454 e
1000S162-54	50	2214 e	1661 e	1329 e	1107 e	830 e	628 e
1000S200-54	33	2214 e	1661 e	1329 e	1107 e	817 e	523 e
1000S200-54	50	2214 e	1661 e	1329 e	1107 e	830 e	664 e
1000S250-54	33	2214 e	1661 e	1329 e	1107 e	830 e	600 e
1000S250-54	50	2214 e	1661 e	1329 e	1107 e	830 e	664 e
1000S137-68	33	4460 e	3341 e	2138 e	1485 e	835 e	535 e
1000S137-68	50	4460 e	3345 e	2676 e	2116 e	1190 e	762 e
1000S162-68	33	4460 e	3345 e	2399 e	1666 e	937 e	600 e
1000S162-68	50	4460 e	3345 e	2676 e	2230 e	1344 e	860 e
1000S200-68	33	4460 e	3345 e	2676 e	1908 e	1073 e	687 e
1000S200-68	50	4460 e	3345 e	2676 e	2230 e	1510 e	966 e
1000S250-68	33	4460 e	3345 e	2676 e	2230 e	1374 e	879 e
1000S250-68	50	4460 e	3345 e	2676 e	2230 e	1673 e	1105 e
1000S137-97	33	8896 e	5004 e	3202 e	2224 e	1251 e	801 e
1000S137-97	50	12938 e	7278 e	4658 e	3234 e	1819 e	1164 e
1000S162-97	33	9935 e	5588 e	3576 e	2484 e	1397 e	894 e
1000S162-97	50	13151 e	8158 e	5221 e	3626 e	2039 e	1305 e
1000S200-97	33	11322 e	6368 e	4076 e	2830 e	1592 e	1019 e
1000S200-97	50	13151 e	9334 e	5974 e	4148 e	2333 e	1493 e
1000S250-97	33	11791 e	8201 e	5249 e	3645 e	2050 e	1312 e
1000S250-97	50	13151 e	9864 e	7500 e	5209 e	2930 e	1875 e

See Header Load Table Notes on page 76.

Header Load Tables

Header Allowable Uniform Loads (lb/ft)							
Member	Yield, F_y ksi	SPAN					
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)
1000S162-118	33	14850 e	8353 e	5346 e	3713 e	2088 e	1337 e
1000S162-118	50	17894 e	10065 e	6442 e	4473 e	2516 e	1610 e
1000S200-118	33	16370 e	9208 e	5893 e	4093 e	2302 e	1473 e
1000S200-118	50	20451 e	11504 e	7362 e	5113 e	2876 e	1841 e
1000S250-118	33	17585 e	10074 e	6447 e	4477 e	2519 e	1612 e
1000S250-118	50	21646 e	14570 e	9325 e	6476 e	3642 e	2280 e
1200S137-54	33	1836 e	1377 e	1102 e	918 e	689 e	493 e
1200S137-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e
1200S162-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e
1200S162-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e
1200S200-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e
1200S200-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e
1200S250-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e
1200S250-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e
1200S137-68	33	3694 e	2771 e	2217 e	1843 e	1037 e	664 e
1200S137-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	937 e
1200S162-68	33	3694 e	2771 e	2217 e	1847 e	1160 e	742 e
1200S162-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	1056 e
1200S200-68	33	3694 e	2771 e	2217 e	1847 e	1324 e	847 e
1200S200-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	1108 e
1200S250-68	33	3694 e	2771 e	2217 e	1847 e	1385 e	921 e
1200S250-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	640 e
1200S137-97	33	10863 e	6421 e	4109 e	2854 e	1605 e	1027 e
1200S137-97	50	10863 e	8147 e	5854 e	4065 e	2287 e	1463 e
1200S162-97	33	10863 e	7126 e	4561 e	3167 e	1781 e	1140 e
1200S162-97	50	10863 e	8147 e	6518 e	4537 e	2552 e	1633 e
1200S200-97	33	10863 e	8068 e	5163 e	3586 e	2017 e	1291 e
1200S200-97	50	10863 e	8147 e	6518 e	5167 e	2907 e	1860 e
1200S250-97	33	10863 e	8147 e	5792 e	4022 e	2263 e	1448 e
1200S250-97	50	10863 e	8147 e	6518 e	5431 e	3142 e	2011 e
1200S162-118	33	15685 e	8823 e	5646 e	3921 e	2206 e	1412 e
1200S162-118	50	19981 e	12896 e	8253 e	5731 e	3224 e	2063 e
1200S200-118	33	17585 e	9976 e	6385 e	4434 e	2494 e	1596 e
1200S200-118	50	19981 e	14634 e	9366 e	6504 e	3658 e	2341 e
1200S250-118	33	17585 e	11178 e	7154 e	4968 e	2794 e	1788 e
1200S250-118	50	19981 e	14986 e	10446 e	7254 e	4080 e	2611 e
1200S300-118	33	17585 e	13189 e	8841 e	6139 e	3453 e	2210 e
1200S300-118	50	19981 e	14986 e	11988 e	9025 e	5076 e	3249 e
1200S350-118	33	17585 e	13189 e	10279 e	7139 e	4015 e	2570 e
1200S350-118	50	19981 e	14986 e	11988 e	9990 e	5710 e	3654 e
1400S200-54	33	1569 e	1177 e	941 e	784 e	588 e	471 e
1400S200-54	50	1569 e	1177 e	941 e	784 e	588 e	471 e
1400S250-54	33	1569 e	1177 e	941 e	784 e	588 e	471 e
1400S250-54	50	1569 e	1177 e	941 e	784 e	588 e	471 e
1400S300-54	33	1569 e	1177 e	941 e	784 e	588 e	471 e
1400S300-54	50	1569 e	1177 e	941 e	784 e	588 e	471 e
1400S350-54	33	1569 e	1177 e	941 e	784 e	588 e	471 e
1400S350-54	50	1569 e	1177 e	941 e	784 e	588 e	471 e
1400S200-68	33	3153 e	2365 e	1892 e	1576 e	1182 e	946 e
1400S200-68	50	3153 e	2365 e	1892 e	1576 e	1182 e	946 e
1400S250-68	33	3153 e	2365 e	1892 e	1576 e	1182 e	946 e
1400S250-68	50	3153 e	2365 e	1892 e	1576 e	1182 e	946 e
1400S300-68	33	3153 e	2365 e	1892 e	1576 e	1182 e	946 e
1400S300-68	50	3153 e	2365 e	1892 e	1576 e	1182 e	946 e
1400S350-68	33	3153 e	2365 e	1892 e	1576 e	1182 e	946 e
1400S350-68	50	3153 e	2365 e	1892 e	1576 e	1182 e	946 e
1400S200-97	33	9252 e	6939 e	5551 e	4331 e	2436 e	1559 e
1400S200-97	50	9252 e	6939 e	5551 e	4626 e	3470 e	2228 e
1400S250-97	33	9252 e	6939 e	5551 e	4626 e	2722 e	1742 e
1400S250-97	50	9252 e	6939 e	5551 e	4626 e	3470 e	2399 e

See Header Load Table Notes on page 76.

Header Load Tables



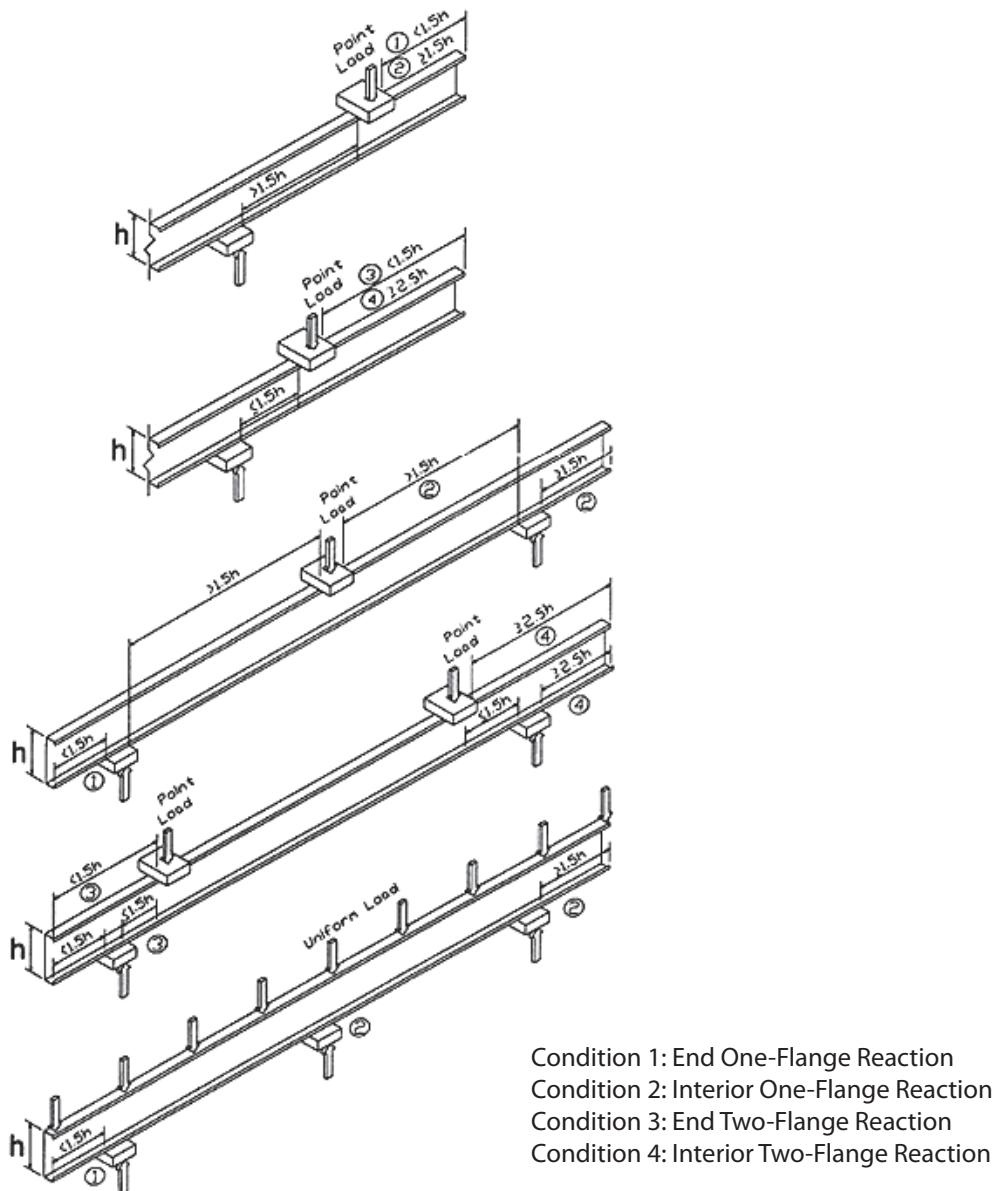
Member	Yield, F _y ksi	Header Allowable Uniform Loads (lb/ft)					
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)
1400S300-97	33	9252 e	6939 e	5551 e	4626 e	2896 e	1854 e
1400S300-97	50	9252 e	6939 e	5551 e	4626 e	3470 e	2544 e
1400S350-97	33	9252 e	6939 e	5551 e	4626 e	3470 e	2548 e
1400S350-97	50	9252 e	6939 e	5551 e	4626 e	3470 e	2776 e
1400S200-118	33	16994 e	12318 e	7884 e	5475 e	3080 e	1971 e
1400S200-118	50	16994 e	12745 e	10196 e	7870 e	4427 e	2833 e
1400S250-118	33	16994 e	12745 e	8780 e	6097 e	3430 e	2195 e
1400S250-118	50	16994 e	12745 e	10196 e	8497 e	4916 e	3146 e
1400S300-118	33	16994 e	12745 e	9534 e	6621 e	3724 e	2383 e
1400S300-118	50	16994 e	12745 e	10196 e	8497 e	5256 e	3364 e
1400S350-118	33	16994 e	12745 e	10196 e	8497 e	4978 e	3186 e
1400S350-118	50	16994 e	12745 e	10196 e	8497 e	6373 e	4539 e
1600S200-68	33	2750 e	2062 e	1650 e	1375 e	1031 e	825 e
1600S200-68	50	2750 e	2062 e	1650 e	1375 e	1031 e	825 e
1600S250-68	33	2750 e	2062 e	1650 e	1375 e	1031 e	825 e
1600S250-68	50	2750 e	2062 e	1650 e	1375 e	1031 e	825 e
1600S300-68	33	2750 e	2062 e	1650 e	1375 e	1031 e	825 e
1600S300-68	50	2750 e	2062 e	1650 e	1375 e	1031 e	825 e
1600S350-68	33	2750 e	2062 e	1650 e	1375 e	1031 e	825 e
1600S350-68	50	2750 e	2062 e	1650 e	1375 e	1031 e	825 e
1600S200-97	33	8058 e	6043 e	4835 e	4029 e	2856 e	1828 e
1600S200-97	50	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e
1600S250-97	33	8058 e	6043 e	4835 e	4029 e	3022 e	2036 e
1600S250-97	50	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e
1600S300-97	33	8058 e	6043 e	4835 e	4029 e	3022 e	2161 e
1600S300-97	50	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e
1600S350-97	33	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e
1600S350-97	50	8058 e	6043 e	4835 e	4029 e	3022 e	2417 e
1600S200-118	33	14784 e	11088 e	8870 e	6484 e	3647 e	2334 e
1600S200-118	50	14784 e	11088 e	8870 e	7392 e	5197 e	3326 e
1600S250-118	33	14784 e	11088 e	8870 e	7193 e	4046 e	2589 e
1600S250-118	50	14784 e	11088 e	8870 e	7392 e	5544 e	3682 e
1600S300-118	33	14784 e	11088 e	8870 e	7392 e	4379 e	2803 e
1600S300-118	50	14784 e	11088 e	8870 e	7392 e	5544 e	3927 e
1600S350-118	33	14784 e	11088 e	8870 e	7392 e	5091 e	3259 e
1600S350-118	50	14784 e	11088 e	8870 e	7392 e	5544 e	4435 e

See Header Load Table Notes on page 76.

Web Crippling Load Table Notes

1. All capacities listed are calculated using AISI S100-12.
2. Web crippling capacities calculated are for studs with stiffened or partially stiffened flanges.
3. Tabulated web crippling capacities are for single members only. For multiple members, multiply the tabulated values by number of members in the assembly.
4. Listed allowable capacities are based on members 'fastened to supports' except back-to-back members under two-flange loading (condition 3 and 4) for which data for 'fastened to support' is unavailable in the AISI S100-12.
5. Listed allowable capacities are for unpunched webs. Capacity reduction for end and interior one flange loading (conditions 1 and 2) near punchouts may be required per section C3.4.2 of S100.

Web Crippling Conditions



Web Crippling Load Tables



Allowable Web Crippling Loads (lbs) - Single Members

Member	Design Thickness	Inside Radius	Yield Str	Condition 1				Condition 2				Condition 3				Condition 4															
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6												
162S - 18	0.0188	0.0843	33	55	90	1	95	1.2	112	1.2	87	125	1	131	1.2	151	1.2	45	64	1	67	1.2	76	1.2	122	161	1	166	1.2	186	1.2
162S - 27	0.0283	0.0796	33	122	194	1	205	1	242	1.2	218	304	1	317	1	361	1.2	111	151	1	157	1	178	1.2	290	371	1	383	1	425	1.2
162S - 30	0.0312	0.0781	33	148	233	1	246	1	290	1	289	373	1	388	1	442	1	137	185	1	192	1	217	1	356	452	1	466	1	516	1
162S - 33	0.0346	0.0764	33	180	282	1	297	1	350	1	336	462	1	481	1	546	1	170	229	1	237	1	267	1	441	557	1	574	1	634	1
162S - 43	0.0451	0.0712	33	298	459	1	483	1	566	1	589	793	1	823	1	929	1	297	390	1	404	1	452	1	764	946	1	973	1	1067	1
162S - 54	0.0566	0.0849	33	447	678	1	712	1	832	1	904	1196	1	1239	1	1390	1	471	609	1	629	1	700	1	1203	1466	1	1506	1	1642	1
162S - 54	0.0566	0.0849	50	677	1027	1	1079	1	1260	1	1370	1812	1	1877	1	2105	1	714	922	1	953	1	1061	1	1823	2222	1	2281	1	2487	1
162S - 68	0.0713	0.1069	33	672	1004	1	1054	1	1225	1	1386	1802	1	1863	1	2077	1	750	952	1	982	1	1087	1	1901	2282	1	2339	1	2536	1
162S - 68	0.0713	0.1069	50	1019	1522	1	1596	1	1856	1	2100	2730	1	2823	1	3148	1	1136	1443	1	1488	1	1646	1	2880	3458	1	3544	1	3842	1
250S - 18	0.0188	0.0843	33	52	84	89	2	106	1.2	85	122	128	2	147	1.2	37	51	54	2	61	1.2	109	145	150	2	168	1.2				
250S - 27	0.0283	0.0796	33	117	186	196	2	231	1.2	213	298	310	354	1.2	96	130	135	1.2	268	343	354	1.2	393	420	433	479	1				
250S - 30	0.0312	0.0781	33	141	223	235	2	277	1	264	366	381	433	1	119	161	167	1.2	189	1	330	420	433	479	1						
250S - 33	0.0346	0.0764	33	173	271	285	336	1	330	453	472	535	1	150	201	209	235	1	411	519	535	591	1								
250S - 43	0.0451	0.0712	33	287	443	466	547	1	580	780	810	913	1	267	351	364	407	1	720	892	918	1006	1								
250S - 54	0.0566	0.0849	33	433	657	690	806	1	891	1178	1221	1369	1	430	556	574	639	1	1142	1392	1429	1558	1								
250S - 54	0.0566	0.0849	50	656	996	1046	1222	1	1350	1785	1850	2075	1	652	842	870	968	1	1730	2109	2165	2361	1								
250S - 68	0.0713	0.1069	33	654	977	1024	1191	1	1368	1778	1839	2050	1	693	880	907	1004	1	1815	2179	2233	2421	1								
250S - 68	0.0713	0.1069	50	990	1480	1552	1805	1	2073	2694	2786	3106	1	1049	1333	1375	1521	1	2750	3302	3384	3669	1								
350S - 18	0.0188	0.0843	33	49	80	84	2	100	2	83	119	124	2	143	2	28	40	42	2	48	2	98	130	134	2	151	2				
350S - 27	0.0283	0.0796	33	112	177	187	221	2	209	292	304	347	2	81	111	115	130	2	247	316	327	362	2								
350S - 30	0.0312	0.0781	33	135	214	226	266	2	259	359	374	425	1	103	139	144	163	1	306	389	402	445									
350S - 33	0.0346	0.0764	33	166	260	274	323	324	445	463	526	131	175	182	205	384	484	499	551												
350S - 43	0.0451	0.0712	33	278	428	451	528	571	768	798	900	240	315	326	365	680	842	866	949												
350S - 54	0.0566	0.0849	33	420	638	670	783	879	1162	1204	1351	392	507	524	583	1086	1324	1359	1482												
350S - 54	0.0566	0.0849	50	637	967	1016	1186	1331	1761	1825	2046	594	768	794	883	1645	2005	2059	2245												
350S - 68	0.0713	0.1069	33	637	951	998	1160	1351	1756	1816	2025	640	813	839	928	1737	2085	2137	2317												
350S - 68	0.0713	0.1069	50	965	1441	1512	1758	2047	2661	2752	3068	970	1232	1271	1406	2631	3159	3238	3510												
350S - 97	0.1017	0.1525	33	1209	1760	1841	2126	2629	3328	3431	3792	1343	1663	1710	1876	3562	4184	4276	4597												
350S - 97	0.1017	0.1525	50	1831	2666	2790	3221	3983	5042	5199	5745	2035	2520	2592	2842	5397	6339	6479	6966												
362S - 18	0.0188	0.0843	33	49	79	84	2	99	2	82	119	124	2	143	2	27	39	40	2	46	2	97	128	133	2	149	2				
362S - 27	0.0283	0.0796	33	111	177	186	220	2	209	291	303	346	2	80	108	113	127	2	245	313	324	359	2								
362S - 30	0.0312	0.0781	33	135	213	224	265	258	358	373	424	101	136	141	160	304	386	398	441												
362S - 33	0.0346	0.0764	33	165	259	273	322	323	444	462	525	129	173	179	202	381	480	495	547												
362S - 43	0.0451	0.0712	33	277	427	449	526	570	767	796	898	236	311	322	360	675	836	860	943												
362S - 54	0.0566	0.0849	33	419	636	668	780	877	1160	1202	1348	388	501	518	577	1079	1316	1351	1473												
362S - 54	0.0566	0.0849	50	634	963	1012	1182	1329	1758	1822	2043	588	760	785	874	1635	1994	2047	2232												
362S - 68	0.0713	0.1069	33	635	948	995	1157	1349	1754	1813	2022	635	806	831	920	1728	2074	2126	2305												
362S - 68	0.0713	0.1069	50	962	1437	1507	1753	2044	2657	2748	3064	961	1221	1259	1393	2618	3143	3221	3492												
362S - 97	0.1017	0.1525	33	1206	1755	1837	2120	2626	3324	3427	3787	1333	1651	1698	1862	3547	4166	4258	4578												
362S - 97	0.1017	0.1525	50	1827	2659	2783	3212	3979	5036	5192	5738	2020	2501	2573	2821	5374	6313	6452	6936												
400S - 27	0.0283	0.0796	33	109	174	183	217	2	207	289	301	344	2	75	102	106	120	2	238	305	315	349	2								
400S - 30	0.0312	0.0781	33	133	210	221	261	257	356	370	421	95	129	134	151	296	376	388	429												
400S - 33	0.0346	0.0764	33	163	256	269	317	322	442	460	522	122	164	170	192	372	469	483	534												
400S - 43	0.0451	0.0712	33	274	422	444	520	567	763	792	893	227	299	309	346	662	819	843	924												
400S - 54	0.0566	0.0849	33	415	629	661	772	873	1155	1197	1342	376	485	502	558	1061	1293	1328	1448												
400S - 54	0.0566	0.0849	50	628	954	1002	1170	1323	1750	1813	2034	569	735	760	846	1607	1960	2012	2194												
400S - 68	0.0713	0.1069	33	629	940	986	1147	1344	1746	1806	2014	617	784	809	895	1702	2044	2094	2271												
400S - 68	0.0713	0.1069	50	953	1424	1494	1737	2036	2646	2737	3051	936	1188	1226	1356	2579	3097	3173	3441												
400S - 97	0.1017	0.1525	33	1197	1742	1823	2105	2617	3312	3415	3774	1305	1616	1662	1823	3504	4116	4207	4523												
400S - 97	0.1017	0.1525	50	1814	2640	2762	3189	3965	5018	5175	5718	1978	2448	2518	2761	5309	6236	6374	6853												
550S - 27	0.0283	0.0796	33	103	164	173	205	2	202	282	294	336	2	58	79	82	93	2	214	274	283	314	2								
550S - 30	0.0312	0.0781																													

Web Crippling Load Tables



Member	Design Thickness	Inside Radius	Yield Str	Allowable Web Crippling Loads (lbs) - Single Members															
				Condition 1				Condition 2				Condition 3				Condition 4			
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6
600S - 30	0.0312	0.0781	33	124	196	206	244	249	345	360	409	70	95	98	111	260	330	340	377
600S - 33	0.0346	0.0764	33	153	240	253	297	313	430	447	507	93	125	130	146	330	416	429	473
600S - 43	0.0451	0.0712	33	259	400	420	493	553	745	773	872	185	243	252	282	600	743	764	838
600S - 54	0.0566	0.0849	33	395	600	631	736	855	1131	1172	1314	318	411	425	473	975	1189	1221	1331
600S - 54	0.0566	0.0849	50	599	909	956	1116	1295	1713	1775	1991	482	623	644	716	1478	1802	1850	2017
600S - 68	0.0713	0.1069	33	604	902	946	1100	1319	1714	1772	1976	539	684	706	781	1584	1901	1949	2113
600S - 68	0.0713	0.1069	50	914	1366	1433	1666	1998	2596	2685	2994	816	1036	1069	1183	2399	2881	2952	3201
600S - 97	0.1017	0.1525	50	1752	2551	2669	3081	3902	4939	5093	5628	1781	2205	2268	2487	5010	5885	6014	6466
600S - 118	0.1242	0.1863	50	2528	3625	3788	4354	5698	7108	7318	8046	2734	3339	3429	3741	7555	8772	8952	9581
800S - 43	0.0451	0.0712	33	247	381	401	470	542	730	757	854	150	197	204	228	548	678	698	765
800S - 54	0.0566	0.0849	33	379	576	605	706	839	1110	1150	1290	270	349	361	402	904	1102	1131	1234
800S - 54	0.0566	0.0849	50	575	872	917	1070	1272	1682	1743	1955	409	529	547	608	1370	1670	1714	1869
800S - 68	0.0713	0.1069	33	582	870	912	1061	1297	1686	1744	1944	473	601	619	685	1485	1783	1827	1981
800S - 68	0.0713	0.1069	50	882	1318	1382	1607	1966	2555	2642	2946	716	910	939	1038	2250	2701	2768	3001
800S - 97	0.1017	0.1525	50	1702	2477	2592	2992	3850	4873	5025	5553	1618	2003	2060	2259	4761	5593	5716	6146
800S - 118	0.1242	0.1863	50	2462	3531	3689	4241	5629	7023	7229	7949	2518	3075	3158	3445	7223	8387	8559	9160
1000S - 54	0.0566	0.0849	33	365	554	582	680	826	1092	1132	1269	228	295	305	339	841	1026	1053	1148
1000S - 54	0.0566	0.0849	50	553	840	882	1031	1251	1655	1715	1923	346	447	462	514	1275	1554	1595	1740
1000S - 68	0.0713	0.1069	33	563	842	883	1027	1279	1662	1719	1917	415	527	544	602	1398	1679	1721	1866
1000S - 68	0.0713	0.1069	50	854	1275	1338	1556	1938	2518	2604	2904	629	799	824	912	2119	2544	2607	2827
1000S - 97	0.1017	0.1525	50	1657	2413	2525	2914	3805	4816	4966	5488	1476	1827	1879	2060	4545	5338	5456	5866
1000S - 118	0.1242	0.1863	50	2405	3449	3604	4143	5569	6948	7152	7864	2330	2845	2921	3187	6934	8051	8217	8794
1200S - 68	0.0713	0.1069	33	547	817	857	996	1262	1641	1697	1892	363	462	476	527	1320	1585	1625	1762
1200S - 68	0.0713	0.1069	50	828	1237	1298	1509	1913	2486	2571	2866	551	699	721	798	2001	2402	2462	2669
1200S - 97	0.1017	0.1525	50	1618	2355	2464	2844	3764	4764	4912	5429	1348	1668	1716	1882	4350	5109	5222	5614
1200S - 118	0.1242	0.1863	50	2354	3375	3527	4054	5515	6881	7083	7788	2161	2638	2709	2956	6675	7750	7910	8465
1400S - 68	0.0713	0.1069	33	531	793	832	968	1247	1621	1676	1869	316	401	414	458	1249	1500	1537	1666
1400S - 68	0.0713	0.1069	50	805	1202	1261	1466	1890	2456	2540	2832	479	608	627	694	1892	2272	2329	2525
1400S - 97	0.1017	0.1525	50	1581	2302	2408	2780	3727	4717	4864	5375	1230	1523	1567	1718	4171	4900	5008	5384
1400S - 118	0.1242	0.1863	50	2307	3308	3456	3973	5466	6819	7020	7719	2006	2449	2515	2744	6437	7474	7628	8164
1600S - 97	0.1017	0.1525	50	1547	2252	2357	2721	3692	4673	4818	5325	1121	1388	1428	1566	4005	4705	4809	5170
1600S - 118	0.1242	0.1863	50	2263	3245	3391	3898	5420	6762	6961	7654	1862	2274	2335	2548	6217	7219	7367	7884

¹Bearing length to web height ratio, N/h, exceeds limit of 2.0

²Bearing length to thickness ratio, N/t, exceeds limit of 210

See Web Crippling Load Table Notes page 81.

Web Crippling Load Tables



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

Member	Design Thickness	Inside Radius	Yield Str	Condition 1				Condition 2				Condition 3				Condition 4				
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	
162S - 18	0.0188	0.0843	33	124	196	1 207	1.2 244	1.2 156	217	1 226	1.2 257	1.2 76	100	1 103	1.2 116	1.2 153	202	1 209	1.2 234	1.2
162S - 27	0.0283	0.0796	33	268	413	1 435	1 510	1.2 363	489	1 507	1 572	1.2 184	236	1 244	1 270	1.2 386	494	1 510	1 566	1
162S - 30	0.0312	0.0781	33	321	493	1 518	1 606	1 443	592	1 614	1 690	1 227	288	1 298	1 329	1 478	608	1 628	1 695	1
162S - 33	0.0346	0.0764	33	389	593	1 623	1 729	1 547	724	1 750	1 842	1 283	357	1 368	1 406	1 600	757	1 781	1 862	1
162S - 43	0.0451	0.0712	33	638	953	1 1000	1 1163	1 933	1211	1 1252	1 1395	1 494	612	1 629	1 690	1 1066	1320	1 1358	1 1489	1
162S - 54	0.0566	0.0849	33	949	1395	1 1462	1 1692	1 1427	1820	1 1878	1 2081	1 784	956	1 982	1 1071	1 1696	2068	1 2123	1 2315	1
162S - 54	0.0566	0.0849	50	1438	2114	1 2215	1 2564	1 2162	2757	1 2846	1 3153	1 1188	1449	1 1488	1 1622	1 2570	3134	1 3217	1 3508	1
162S - 68	0.0713	0.1069	33	1418	2050	1 2144	1 2470	1 2188	2744	1 2826	1 3113	1 1250	1501	1 1538	1 1667	1 2703	3246	1 3326	1 3606	1
162S - 68	0.0713	0.1069	50	2148	3106	1 3248	1 3742	1 3315	4157	1 4282	1 4717	1 1894	2274	1 2330	1 2526	1 4096	4918	1 5040	1 5464	1
250S - 18	0.0188	0.0843	33	123	196	1 206	1.2 244	1.2 156	216	1 225	1.2 256	1.2 65	85	1 88	1.2 99	1.2 131	172	1 179	1.2 200	1.2
250S - 27	0.0283	0.0796	33	267	412	1 434	1 509	1.2 363	488	1 506	1 571	1.2 164	211	1 217	1 241	1.2 344	441	1 455	1 505	1.2
250S - 30	0.0312	0.0781	33	320	492	1 517	1 605	1 443	590	1 612	1 689	1 204	260	1 268	1 296	1 430	547	1 564	1 625	1
250S - 33	0.0346	0.0764	33	389	592	1 622	1 727	1 546	723	1 749	1 840	1 256	323	1 333	1 368	1 544	686	1 708	1 781	1
250S - 43	0.0451	0.0712	33	637	952	1 999	1 1162	1 932	1209	1 1250	1 1393	1 455	563	1 580	1 636	1 982	1216	1 1251	1 1371	1
250S - 54	0.0566	0.0849	33	947	1393	1 1460	1 1690	1 1425	1817	1 1876	1 2078	1 730	890	1 914	1 997	1 1579	1925	1 1977	1 2155	1
250S - 54	0.0566	0.0849	50	1435	2111	1 2212	1 2560	1 2159	2753	1 2842	1 3149	1 1106	1349	1 1385	1 1510	1 2393	2917	1 2995	1 3266	1
250S - 68	0.0713	0.1069	33	1416	2047	1 2141	1 2467	1 2185	2740	1 2823	1 3109	1 1174	1409	1 1444	1 1566	1 2539	3048	1 3124	1 3387	1
250S - 68	0.0713	0.1069	50	2145	3102	1 3244	1 3737	1 3311	4152	1 4277	1 4711	1 1778	2135	1 2188	1 2373	1 3846	4618	1 4733	1 5131	1
350S - 18	0.0188	0.0843	33	123	195	1 206	1.2 243	1.2 156	216	1 225	1.2 256	1.2 55	72	1 75	1.2 84	1.2 110	145	1 151	1.2 169	1.2
350S - 27	0.0283	0.0796	33	267	412	1 433	1 508	1.2 362	487	1 505	1 570	1.2 146	187	1 193	1 214	1.2 306	391	1 404	1 448	1.2
350S - 30	0.0312	0.0781	33	320	491	1 516	1 604	1 442	589	1 611	1 688	1 183	233	1 240	1 266	1 386	490	1 506	1 560	1
350S - 33	0.0346	0.0764	33	388	591	1 621	1 726	1 545	721	1 748	1 839	1 232	292	1 301	1 333	1 492	621	1 640	1 706	1
350S - 43	0.0451	0.0712	33	636	951	1 997	1 1160	1 931	1207	1 1248	1 1391	1 419	519	1 534	1 585	1 904	1119	1 1151	1 1263	1
350S - 54	0.0566	0.0849	33	946	1392	1 1458	1 1688	1 1423	1815	1 1873	1 2075	1 680	829	1 852	1 929	1 1471	1794	1 1842	1 2008	1
350S - 54	0.0566	0.0849	50	1434	2109	1 2209	1 2557	1 2156	2750	1 2838	1 3144	1 1031	1257	1 1290	1 1407	1 2229	2718	1 2791	1 3043	1
350S - 68	0.0713	0.1069	33	1414	2045	1 2138	1 2464	1 2183	2737	1 2819	1 3106	1 1104	1326	1 1359	1 1473	1 2388	2867	1 2939	1 3186	1
350S - 68	0.0713	0.1069	50	2143	3098	1 3240	1 3733	1 3307	4147	1 4272	1 4706	1 1673	2009	1 2059	1 2232	1 3618	4345	1 4452	1 4827	1
350S - 97	0.1017	0.1525	33	2641	3716	1 3876	1 4431	1 4235	5181	1 5321	1 5809	1 2305	2708	1 2768	1 2976	1 4986	5857	1 5986	1 6435	1
350S - 97	0.1017	0.1525	50	4002	5631	1 5873	1 6713	1 6416	7850	1 8062	1 8802	1 3493	4103	1 4194	1 4508	1 7555	8874	1 9070	1 9751	1
362S - 18	0.0188	0.0843	33	123	195	1 206	1.2 243	1.2 155	216	1 225	1.2 256	1.2 53	70	1 73	1.2 82	1.2 108	142	1 147	1.2 165	1.2
362S - 27	0.0283	0.0796	33	266	411	1 433	1 508	1.2 362	487	1 505	1 570	1.2 144	184	1 190	1 211	1.2 301	386	1 398	1 442	1.2
362S - 30	0.0312	0.0781	33	320	491	1 516	1 604	1 442	589	1 611	1 687	1 181	230	1 237	1 262	1 381	484	1 499	1 553	1
362S - 33	0.0346	0.0764	33	388	591	1 621	1 726	1 545	721	1 747	1 839	1 229	289	1 298	1 329	1 486	613	1 632	1 698	1
362S - 43	0.0451	0.0712	33	636	950	1 997	1 1160	1 930	1207	1 1248	1 1391	1 415	514	1 528	1 579	1 895	1109	1 1140	1 1250	1
362S - 54	0.0566	0.0849	33	946	1391	1 1458	1 1687	1 1423	1815	1 1873	1 2075	1 675	823	1 845	1 921	1 1459	1779	1 1826	1 1992	1
362S - 54	0.0566	0.0849	50	1433	2108	1 2208	1 2557	1 2156	2750	1 2838	1 3144	1 1022	1246	1 1280	1 1395	1 2211	2695	1 2767	1 3017	1
362S - 68	0.0713	0.1069	33	1414	2045	1 2138	1 2463	1 2182	2737	1 2819	1 3105	1 1096	1316	1 1349	1 1463	1 2371	2847	1 2918	1 3163	1
362S - 68	0.0713	0.1069	50	2143	3098	1 3239	1 3732	1 3307	4147	1 4271	1 4705	1 1661	1995	1 2044	1 2216	1 3592	4314	1 4421	1 4793	1
362S - 97	0.1017	0.1525	33	2641	3716	1 3875	1 4430	1 4234	5180	1 5320	1 5809	1 2292	2693	1 2752	1 2959	1 4957	5823	1 5952	1 6399	1
362S - 97	0.1017	0.1525	50	4001	5630	1 5872	1 6713	1 6416	7849	1 8061	1 8801	1 3473	4080	1 4170	1 4483	1 7511	8823	1 9018	1 9695	1
400S - 27	0.0283	0.0796	33	266	411	1 433	1 507	1.2 362	486	1 505	1 569	1.2 138	177	1 182	1 202	1.2 289	370	1 382	1 424	1.2
400S - 30	0.0312	0.0781	33	320	490	1 516	1 604	1 441	589	1 611	1 687	1 174	221	1 228	1 252	1 366	465	1 480	1 531	1
400S - 33	0.0346	0.0764	33	388	591	1 621	1 726	1 545	721	1 747	1 838	1 221	279	1 287	1 317	1 469	592	1 610	1 673	1
400S - 43	0.0451	0.0712	33	635	950	1 997	1 1159	1 930	1206	1 1247	1 1390	1 403	499	1 513	1 563	1 870	1077	1 1108	1 1215	1
400S - 54	0.0566	0.0849	33	946	1391	1 1457	1 1687	1 1422	1814	1 1872	1 2074	1 658	803	1 824	1 899	1 1424	1736	1 1782	1 1943	1
400S - 54	0.0566	0.0849	50	1433	2107	1 2207	1 2556	1 2155	2748	1 2836	1 3143	1 998	1216	1 1249	1 1361	1 2157	2630	1 2700	1 2944	1
400S - 68	0.0713	0.1069	33	1414	2044	1 2137	1 2462	1 2181	2736	1 2818	1 3104	1 1074	1289	1 1321	1 1432	1 2322	2788	1 2857	1 3098	1
400S - 68	0.0713	0.1069	50	2142	3097	1 3238	1 3731	1 3305	4145	1 4270	1 4703	1 1627	1953	2002	1 2170	1 3518	4224	1 4329	1 4694	1
400S - 97	0.1017	0.1525	33	2640	3715	1 3874	1 4429	1 4233	5178	1 5319	1 5807	1 2254	2648	1 2706	1 2909	1 4875	5726	1 5853	1 6292	1
400S - 97	0.1017	0.1525	50	4000																

Web Crippling Load Tables



Member	Design Thickness	Inside Radius	Yield Str	Condition 1				Condition 2				Condition 3				Condition 4			
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6
600S - 30	0.0312	0.0781	33	319	489	514	602	¹ 440	587	609	685	¹ 141	180	185	205	¹ 298	379	391	433
600S - 33	0.0346	0.0764	33	387	589	619	724	¹ 543	719	745	836	¹ 183	231	238	263	¹ 389	491	506	559
600S - 43	0.0451	0.0712	33	634	948	995	1157	¹ 1928	1204	1245	1387	¹ 348	431	443	486	¹ 751	930	956	1048
600S - 54	0.0566	0.0849	33	944	1388	1454	1683	¹ 1420	1810	1868	2070	¹ 583	710	729	795	¹ 1260	1536	1577	1719
600S - 54	0.0566	0.0849	50	1430	2103	2203	2551	¹ 2151	2743	2831	3136	¹ 883	1076	1105	1205	¹ 1909	2327	2389	2605
600S - 68	0.0713	0.1069	33	1411	2040	2133	2458	¹ 2178	2731	2813	3099	¹ 968	1163	1192	1292	¹ 2095	2515	2577	2794
600S - 68	0.0713	0.1069	50	2138	3091	3233	3724	¹ 3299	4138	4262	4695	¹ 1467	1762	1806	1958	¹ 3173	3811	3905	4234
600S - 97	0.1017	0.1525	50	3994	5620	5861	6701	¹ 6404	7834	8046	8785	¹ 3150	3700	3781	4065	¹ 6812	8001	8178	8792
600S - 118	0.1242	0.1863	50	5696	7892	8218	9351	¹ 9325	11257	11543	12540	¹ 4808	5583	5698	6097	¹ 10398	12074	12322	13187
800S - 43	0.0451	0.0712	33	633	946	993	1154	926	1202	1242	1384	302	374	384	421	651	806	829	909
800S - 54	0.0566	0.0849	33	942	1386	1452	1681	1417	1807	1865	2067	519	633	650	709	1123	1369	1405	1532
800S - 54	0.0566	0.0849	50	1428	2100	2200	2546	2147	2738	2826	3131	787	959	985	1074	1701	2074	2129	2322
800S - 68	0.0713	0.1069	33	1409	2037	2130	2455	2174	2727	2809	3094	881	1058	1084	1175	1905	2287	2344	2542
800S - 68	0.0713	0.1069	50	2135	3087	3228	3719	3295	4132	4256	4688	1335	1602	1642	1780	2886	3466	3552	3851
800S - 97	0.1017	0.1525	50	3989	5613	5854	6692	6396	7825	8036	8774	2929	3441	3517	3781	6335	7442	7606	8177
800S - 118	0.1242	0.1863	50	5690	7883	8209	9341	9314	11244	11530	12526	4514	5241	5349	5724	9762	11335	11568	12380
1000S - 54	0.0566	0.0849	33	941	1384	1450	1678	1415	1805	1863	2064	464	565	580	633	1003	1222	1255	1368
1000S - 54	0.0566	0.0849	50	1426	2097	2196	2543	2144	2735	2822	3127	702	856	879	959	1519	1852	1901	2073
1000S - 68	0.0713	0.1069	33	1407	2035	2128	2451	2172	2723	2805	3090	804	965	989	1073	1739	2088	2140	2320
1000S - 68	0.0713	0.1069	50	2132	3083	3224	3714	3290	4126	4250	4682	1218	1463	1499	1625	2635	3164	3242	3515
1000S - 97	0.1017	0.1525	50	3985	5607	5848	6685	6389	7816	8028	8764	2737	3215	3286	3533	5919	6953	7107	7640
1000S - 118	0.1242	0.1863	50	5684	7875	8200	9332	9305	11233	11519	12514	4257	4943	5045	5399	9208	10691	10911	11677
1200S - 68	0.0713	0.1069	33	1406	2032	2125	2449	2169	2720	2802	3086	735	883	904	981	1590	1909	1956	2121
1200S - 68	0.0713	0.1069	50	2130	3079	3220	3710	3287	4122	4245	4676	1114	1337	1370	1486	2408	2892	2964	3213
1200S - 97	0.1017	0.1525	50	3981	5601	5842	6678	6383	7808	8020	8756	2564	3012	3078	3309	5545	6514	6658	7158
1200S - 118	0.1242	0.1863	50	5679	7868	8193	9323	9297	11223	11508	12503	4027	4676	4772	5107	8710	10113	10321	11046
1400S - 68	0.0713	0.1069	33	1404	2030	2123	2446	2167	2717	2799	3083	672	806	826	896	1452	1744	1787	1938
1400S - 68	0.0713	0.1069	50	2127	3076	3216	3706	3283	4117	4241	4671	1018	1222	1252	1358	2201	2642	2708	2936
1400S - 97	0.1017	0.1525	50	3977	5596	5837	6672	6377	7801	8013	8748	2406	2826	2888	3105	5203	6111	6246	6715
1400S - 118	0.1242	0.1863	50	5674	7862	8186	9316	9289	11214	11499	12492	3817	4432	4523	4840	8254	9584	9781	10468
1600S - 97	0.1017	0.1525	50	3974	5592	5832	6667	6372	7795	8006	8741	2259	2653	2712	2915	4885	5738	5864	6305
1600S - 118	0.1242	0.1863	50	5670	7856	8180	9309	9282	11205	11490	12483	3621	4205	4291	4592	7832	9093	9281	9932

¹ Bearing length to web height ratio, N/h, exceeds limit of 1.0

² Bearing length to thickness ratio, N/t, exceeds limit of 210

See Web Crippling Load Table Notes page 81.

Channel Properties

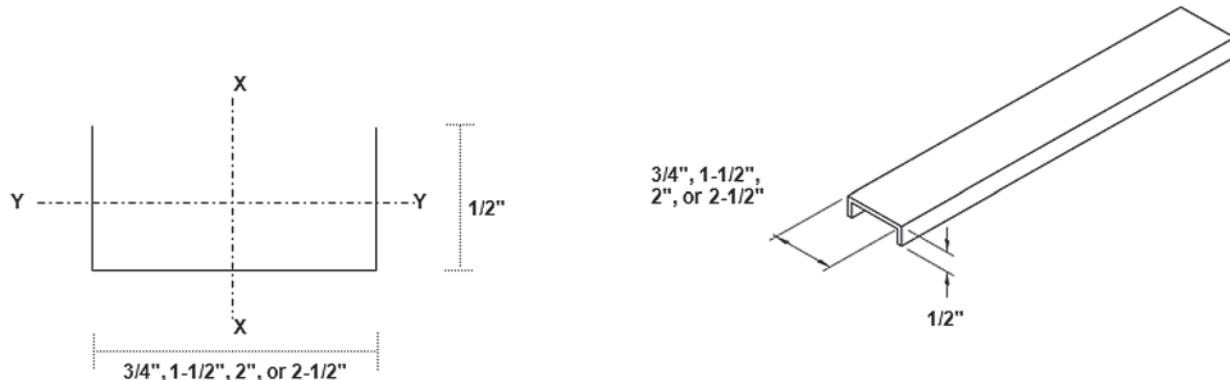
U-Channel Section Properties

Section	Design Thickness (in)	Yield strength, Fy (ksi)	Gross Properties						Effective Properties			
			Area (in²)	Weight (lb/ft)	Ix (in⁴)	Rx (in)	Iy (in⁴)	Ry (in)	Ix (in⁴)	Sx (in³)	Ma (in-k)	Va (lb)
			(in²)	(lb/ft)	(in⁴)	(in)	(in⁴)	(in)	(in⁴)	(in³)	(in-k)	(lb)
075U050-54	0.0566	33	0.087	0.296	0.007	0.289	0.002	0.156	0.007	0.019	0.459	315
150U050-54	0.0566	33	0.130	0.441	0.039	0.549	0.003	0.146	0.039	0.052	1.230	840
200U050-54	0.0566	33	0.158	0.537	0.080	0.711	0.003	0.137	0.080	0.080	1.883	1190
250U050-54	0.0566	33	0.186	0.633	0.140	0.868	0.003	0.130	0.140	0.112	2.648	1540

1. Calculated properties are based on AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members.

2. Minimum base metal thickness is 95% of design thickness.

3. Effective properties are based on Fy=33ksi.



U-Channel Allowable Ceiling Spans L/360

Member	Spans	4 psf					6 psf					13 psf					15 psf				
		Channel Spacing (in) o.c.					Channel Spacing (in) o.c.					Channel Spacing (in) o.c.					Channel Spacing (in) o.c.				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075U050-54	Single	3' 5"	3' 0"	2' 9"	2' 6"	2' 4"	3' 0"	2' 7"	2' 4"	2' 2"	2' 1"	2' 4"	2' 0"	1' 10"	1' 8"	1' 7"	2' 2"	1' 11"	1' 9"	1' 7"	1' 6"
	Multiple	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	3' 8"	3' 2"	2' 11"	2' 8"	2' 7"	2' 10"	2' 6"	2' 3"	2' 1"	1' 11"	2' 8"	2' 4"	2' 2"	2' 0"	1' 9"
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' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
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"

U-Channel Allowable Ceiling Spans L/240

Member	Spans	4 psf					6 psf					13 psf					15 psf				
		Channel Spacing (in) o.c.					Channel Spacing (in) o.c.					Channel Spacing (in) o.c.					Channel Spacing (in) o.c.				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075U050-54	Single	3' 11"	3' 5"	3' 1"	2' 11"	2' 9"	3' 5"	3' 0"	2' 9"	2' 6"	2' 4"	2' 8"	2' 4"	2' 1"	1' 11"	1' 9"	2' 6"	2' 2"	2' 0"	1' 10"	1' 8"
	Multiple	4' 10"	4' 2"	3' 10"	3' 7"	3' 4"	4' 2"	3' 8"	3' 4"	3' 1"	2' 10"	3' 3"	2' 9"	2' 4"	2' 1"	1' 11"	3' 1"	2' 7"	2' 2"	2' 0"	1' 9"
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' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
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"

U-Channel Allowable Ceiling Spans L/120

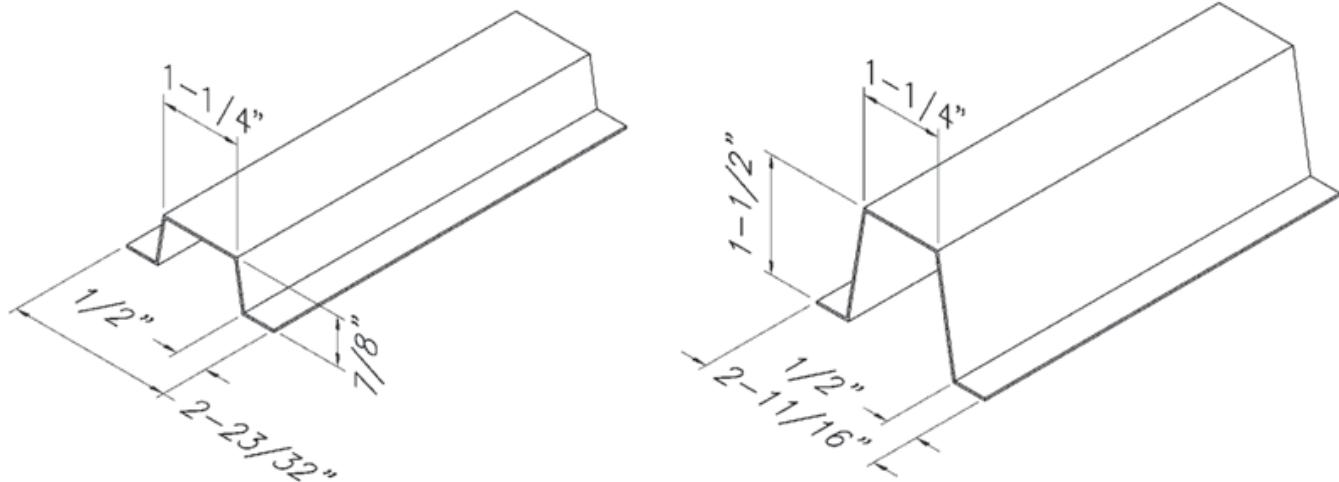
Member	Spans	4 psf					6 psf					13 psf					15 psf				
		Channel Spacing (in) o.c.					Channel Spacing (in) o.c.					Channel Spacing (in) o.c.					Channel Spacing (in) o.c.				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075U050-54	Single	4' 10"	4' 1"	3' 7"	3' 3"	3' 0"	4' 1"	3' 5"	3' 0"	2' 9"	2' 6"	2' 11"	2' 5"	2' 2"	1' 11"	1' 9"	2' 9"	2' 4"	2' 0"	1' 10"	1' 8"
	Multiple	5' 5"	4' 6"	4' 2"	3' 10"	3' 5"	4' 6"	3' 11"	3' 5"	3' 2"	2' 11"	3' 5"	2' 9"	2' 4"	2' 1"	1' 11"	3' 1"	2' 7"	2' 2"	2' 0"	1' 9"
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' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
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"

- Allowable ceiling spans are based on effective properties.
- Multiple span indicates two or more equal spans with channel continuous over center support.
- Bearing length = 0.75-inches.
- Table values are based on the compression flange laterally unsupported.

Channel Properties

(Hat) Furring (F) Channel Section Properties												
Section	Design Thickness (in)	Yield strength, Fy (ksi)	Gross Properties						Effective Properties			
			Area (in²)	Weight (lb/ft)	Ix (in⁴)	Rx (in)	Iy (in⁴)	Ry (in)	Ix (in⁴)	Sx (in³)	Ma (ft-lb)	Va (lb)
087F125-18	0.0188	33	0.072	0.244	0.009	0.354	0.035	0.698	0.008	0.016	26.61	255
087F125-27	0.0283	33	0.107	0.365	0.013	0.351	0.051	0.693	0.013	0.027	45.20	381
087F125-30	0.0312	33	0.118	0.401	0.014	0.350	0.056	0.691	0.014	0.031	50.98	420
087F125-33	0.0346	33	0.130	0.443	0.016	0.349	0.062	0.689	0.016	0.034	56.23	464
087F125-43	0.0451	33	0.168	0.572	0.020	0.345	0.079	0.684	0.020	0.043	71.00	599
150F125-18	0.0188	33	0.095	0.324	0.031	0.572	0.052	0.742	0.029	0.034	56.73	261
150F125-27	0.0283	33	0.143	0.485	0.046	0.569	0.077	0.737	0.046	0.057	94.22	390
150F125-30	0.0312	33	0.157	0.534	0.051	0.568	0.085	0.735	0.050	0.064	105.92	429
150F125-33	0.0346	33	0.174	0.590	0.056	0.566	0.093	0.733	0.056	0.071	117.31	474
150F125-43	0.0451	33	0.225	0.764	0.071	0.563	0.119	0.728	0.071	0.091	149.70	613

- Calculated properties are based on AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members.
- Minimum base metal thickness is 95% of design thickness. Design thickness used for determination of properties.
- Effective properties are based on Fy=33ksi. For deflection calculations, use effective Ix. Effective Ix is based on Procedure 1 of S-100.
- Effective properties are given as the minimum value for positive or negative bending.



Member	Yield Strength, Fy (ksi)	Spans	4 psf			6 psf			13 psf		
			Spacing (in) o.c.			Spacing (in) o.c.			Spacing (in) o.c.		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	4' 5"	4' 0"	3' 6"	3' 10"	3' 6"	3' 1"	3' 0"	2' 9"	2' 5"
		Multiple	5' 6"	5' 0"	4' 4"	4' 9"	4' 4"	3' 10"	3' 8"	3' 4"	2' 10"
087F125-27	33	Single	5' 3"	4' 9"	4' 2"	4' 7"	4' 2"	3' 8"	3' 6"	3' 3"	2' 10"
		Multiple	6' 6"	5' 11"	5' 2"	5' 8"	5' 2"	4' 6"	4' 4"	4' 0"	3' 6"
087F125-30	33	Single	5' 5"	4' 11"	4' 3"	4' 9"	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' 11"	6' 3"	5' 6"	6' 0"	5' 6"	4' 9"	4' 8"	4' 3"	3' 8"
087F125-43	33	Single	6' 0"	5' 6"	4' 9"	5' 3"	4' 9"	4' 2"	4' 1"	3' 8"	3' 3"
		Multiple	7' 5"	6' 9"	5' 11"	6' 6"	5' 11"	5' 2"	5' 0"	4' 7"	4' 0"
150F125-18	33	Single	6' 10"	6' 2"	5' 5"	5' 11"	5' 5"	4' 9"	4' 7"	4' 2"	3' 8"
		Multiple	8' 5"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	5' 8"	4' 9"	3' 8"
150F125-27	33	Single	7' 11"	7' 3"	6' 4"	6' 11"	6' 4"	5' 6"	5' 4"	4' 11"	4' 3"
		Multiple	9' 10"	8' 11"	7' 10"	8' 7"	7' 10"	6' 10"	6' 8"	6' 0"	5' 3"
150F125-30	33	Single	8' 2"	7' 5"	6' 6"	7' 2"	6' 6"	5' 8"	5' 6"	5' 0"	4' 5"
		Multiple	10' 1"	9' 2"	8' 0"	8' 10"	8' 0"	7' 0"	6' 10"	6' 3"	5' 5"
150F125-33	33	Single	8' 6"	7' 8"	6' 9"	7' 5"	6' 9"	5' 10"	5' 9"	5' 2"	4' 6"
		Multiple	10' 6"	9' 6"	8' 4"	9' 2"	8' 4"	7' 3"	7' 1"	6' 5"	5' 7"
150F125-43	33	Single	9' 2"	8' 4"	7' 4"	8' 0"	7' 4"	6' 4"	6' 2"	5' 8"	4' 11"
		Multiple	11' 4"	10' 4"	9' 0"	9' 11"	9' 0"	7' 11"	7' 8"	7' 0"	6' 1"

- Allowable ceiling spans are based on effective properties.
- Multiple span indicates two or more equal spans with channel continuous over center support.
- Bearing length = 0.75-inches.

Channel Properties



(Hat) Furring (F) Channel Allowable Ceiling Spans L/240

Member	Yield Strength, Fy (ksi)	Spans	4 psf			6 psf			13 psf		
			Spacing (in) o.c.			Spacing (in) o.c.			Spacing (in) o.c.		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	5' 1"	4' 7"	4' 0"	4' 5"	4' 0"	3' 6"	3' 5"	3' 1"	2' 9"
		Multiple	6' 3"	5' 8"	5' 0"	5' 6"	5' 0"	4' 2"	4' 1"	3' 6"	2' 10"
087F125-27	33	Single	6' 0"	5' 5"	4' 9"	5' 3"	4' 9"	4' 2"	4' 1"	3' 8"	3' 3"
		Multiple	7' 5"	6' 9"	5' 11"	6' 6"	5' 11"	5' 2"	5' 0"	4' 7"	3' 9"
087F125-30	33	Single	6' 2"	5' 7"	4' 11"	5' 5"	4' 11"	4' 3"	4' 2"	3' 9"	3' 4"
		Multiple	7' 8"	6' 11"	6' 1"	6' 8"	6' 1"	5' 3"	5' 2"	4' 8"	4' 0"
087F125-33	33	Single	6' 5"	5' 10"	5' 1"	5' 7"	5' 1"	4' 5"	4' 4"	3' 11"	3' 5"
		Multiple	7' 11"	7' 2"	6' 3"	6' 11"	6' 3"	5' 6"	5' 4"	4' 10"	4' 2"
087F125-43	33	Single	6' 11"	6' 3"	5' 6"	6' 0"	5' 6"	4' 9"	4' 8"	4' 3"	3' 8"
		Multiple	8' 6"	7' 9"	6' 9"	7' 5"	6' 9"	5' 11"	5' 9"	5' 3"	4' 7"
150F125-18	33	Single	7' 10"	7' 1"	6' 2"	6' 10"	6' 2"	5' 5"	5' 3"	4' 9"	4' 2"
		Multiple	9' 8"	8' 9"	7' 6"	8' 5"	7' 6"	6' 2"	5' 10"	4' 9"	3' 8"
150F125-27	33	Single	9' 1"	8' 3"	7' 3"	7' 11"	7' 3"	6' 4"	6' 2"	5' 7"	4' 11"
		Multiple	11' 3"	10' 3"	8' 11"	9' 10"	8' 11"	7' 10"	7' 7"	6' 7"	5' 5"
150F125-30	33	Single	9' 5"	8' 6"	7' 5"	8' 2"	7' 5"	6' 6"	6' 4"	5' 9"	5' 0"
		Multiple	11' 7"	10' 6"	9' 2"	10' 1"	9' 2"	8' 0"	7' 10"	7' 0"	5' 9"
150F125-33	33	Single	9' 8"	8' 10"	7' 8"	8' 6"	7' 8"	6' 9"	6' 7"	5' 11"	5' 2"
		Multiple	12' 0"	10' 11"	9' 6"	10' 6"	9' 6"	8' 4"	8' 1"	7' 4"	6' 0"
150F125-43	33	Single	10' 6"	9' 7"	8' 4"	9' 2"	8' 4"	7' 4"	7' 1"	6' 5"	5' 8"
		Multiple	13' 0"	11' 10"	10' 4"	11' 4"	10' 4"	9' 0"	8' 9"	8' 0"	6' 9"

(Hat) Furring (F) Channel Allowable Ceiling Spans L/120

Member	Yield Strength, Fy (ksi)	Spans	4 psf			6 psf			13 psf		
			Spacing (in) o.c.			Spacing (in) o.c.			Spacing (in) o.c.		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	6' 5"	5' 10"	5' 1"	5' 7"	5' 1"	4' 5"	4' 4"	3' 11"	3' 5"
		Multiple	7' 4"	6' 4"	5' 1"	5' 11"	5' 2"	4' 2"	4' 1"	3' 6"	2' 10"
087F125-27	33	Single	7' 7"	6' 10"	6' 0"	6' 7"	6' 0"	5' 3"	5' 1"	4' 8"	4' 1"
		Multiple	9' 4"	8' 3"	6' 8"	7' 9"	6' 9"	5' 8"	5' 3"	4' 7"	3' 8"
087F125-30	33	Single	7' 9"	7' 1"	6' 2"	6' 10"	6' 2"	5' 5"	5' 3"	4' 9"	4' 2"
		Multiple	9' 7"	8' 9"	7' 1"	8' 3"	7' 2"	5' 9"	5' 7"	4' 10"	3' 11"
087F125-33	33	Single	8' 0"	7' 4"	6' 5"	7' 0"	6' 5"	5' 7"	5' 5"	4' 11"	4' 4"
		Multiple	9' 11"	9' 0"	7' 5"	8' 8"	7' 6"	6' 1"	5' 11"	5' 1"	4' 1"
087F125-43	33	Single	8' 8"	7' 11"	6' 11"	7' 7"	6' 11"	6' 0"	5' 10"	5' 4"	4' 8"
		Multiple	10' 9"	9' 9"	8' 5"	9' 5"	8' 5"	6' 10"	6' 7"	5' 9"	4' 8"
150F125-18	33	Single	9' 10"	8' 11"	7' 10"	8' 7"	7' 10"	6' 10"	6' 8"	6' 0"	5' 3"
		Multiple	10' 8"	9' 3"	7' 6"	8' 8"	7' 6"	6' 1"	5' 10"	4' 5"	2' 11"
150F125-27	33	Single	11' 6"	10' 5"	9' 1"	10' 0"	9' 1"	7' 11"	7' 9"	7' 0"	6' 2"
		Multiple	13' 9"	11' 11"	9' 8"	11' 2"	9' 8"	7' 11"	7' 7"	6' 7"	5' 4"
150F125-30	33	Single	11' 10"	10' 9"	9' 5"	10' 4"	9' 5"	8' 2"	8' 0"	7' 3"	6' 4"
		Multiple	14' 7"	12' 7"	10' 3"	11' 11"	10' 3"	8' 4"	8' 1"	7' 0"	5' 8"
150F125-33	33	Single	12' 3"	11' 1"	9' 8"	10' 8"	9' 8"	8' 6"	8' 3"	7' 6"	6' 7"
		Multiple	15' 1"	13' 3"	10' 9"	12' 6"	10' 10"	8' 10"	8' 6"	7' 4"	6' 0"
150F125-43	33	Single	13' 3"	12' 1"	10' 6"	11' 7"	10' 6"	9' 2"	8' 11"	8' 2"	7' 1"
		Multiple	16' 5"	14' 11"	12' 2"	14' 2"	12' 3"	9' 11"	9' 7"	8' 4"	6' 9"

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

Screw Table Notes

1. Allowable screw connection capacities are based on section E4 of the AISI S100-12.
2. When connecting materials of different steel thicknesses or tensile strengths, use the lowest values. Tabulated values assume two sheets of equal thickness are connected.
3. Screw shear and tension capacities were developed using published screw manufacturer data and evaluation reports available at the time of publications.
4. A nominal shear stress of 42.85ksi and a nominal tension stress of 40.84ksi was used for calculations based on screw manufacturer data.
5. Screw capacities are based on Allowable Strength Design (ASD) and include safety factor of 3.0.
6. When multiple fasteners are used, screws are assumed to have a center-to-center spacing of at least 3 times the nominal diameter (d).
7. Screws are assumed to have a center-of-screw to edge-of-steel dimension of at least 1.5 times the nominal diameter (d) of the screw. At free edges, the designer must verify the edge distance per Section E4.2 of AISI S100-12.
8. Tension capacity is based on the lesser of pullout capacity in sheet closest to screw tip, or pullover capacity for sheet closest to screw head (using head diameter).
9. Note that for all tension values calculated in screw table, pullover values have been reduced by 50% assuming eccentrically loaded connections that produce a non uniform pullover force of the fastener.
10. Screw capacities are governed by a conservative estimate of screw capacity, not by sheet steel failure.
11. For higher screw capacities, especially for screw strength, use specific screws from specific manufacturer. See manufacturer's data for specific allowable values and installation instructions.

Allowable Screw Connection Capacity (Pounds per Screw)										
Thickness (Mils)	Yield Strength, Fy (ksi)	Tensile Strength, Fu (ksi)	# 6 Screw		# 8 Screw		# 10 Screw		# 12 Screw	1/4" Screw
			(0.138" Dia, 1/4" Head)		(0.164" Dia, 5/16" Head)		(0.190" Dia, 0.340" Head)		(0.216" Dia, 0.340" Head)	
			Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension
18	33	33	44	24	48	29	52	33	55	38
27	33	33	82	37	89	43	96	50	102	57
30	33	33	95	40	103	48	111	55	118	63
33	33	45	151	61	164	72	177	84	188	95
43	33	45	214	79	244	94	263	109	280	124
54	33	45	214	100	303	118	370	137	394	156
54	50	65	214	123	303	171	406	198	525	225
68	33	45	214	123	303	149	406	173	525	196
68	50	65	214	123	303	173	406	232	525	284
97	33	45	214	123	303	173	406	232	525	280
97	50	65	214	123	303	173	406	232	525	300
118	33	45	214	123	303	173	406	232	525	300
118	50	65	214	123	303	173	406	232	525	300

Weld Table Notes

1. Allowable weld capacities are based on section E2.5 (for fillet welds) and E2.6 (for flare groove welds) of the AISI S100-12.
2. When connecting materials of different steel thicknesses or tensile strengths, use the lowest values.
3. Weld capacities are based on Allowable Strength Design (ASD) and include appropriate safety factors.
4. Weld capacities are based on either 3/32" or 1/8" diameter E60 or E70 Electrodes. For thinner materials, 0.030" to 0.035" diameter wire electrodes may provide best results.
5. Parallel capacity is considered to be loading in the direction of the weld.
6. For flare groove welds, the effective throat of weld is conservatively assumed to be less than 2t.

Allowable Weld Capacity (Pounds) for 1-inch of Weld						
Thickness (Mils)	Design Thickness	Fy: Yield (ksi)	Fu: Tensile (ksi)	Fillet Welds		Flare Groove Welds
				Parallel	Perpendicular	Parallel
43	0.0451	33	45	619	864	544
54	0.0566	33	45	822	1084	682
54	0.0566	50	65	1188	1566	985
68	0.0713	33	45	1082	1365	859
68	0.0713	50	65	1563	1972	1241
97	0.1017	33	45	1618	1947	1226
97	0.1017	50	65	2337	2813	1771
118	0.1242	33	45	Note-1	Note-1	Note-2
118	0.1242	50	65	Note-1	Note-1	Note-2

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

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

Typical Details

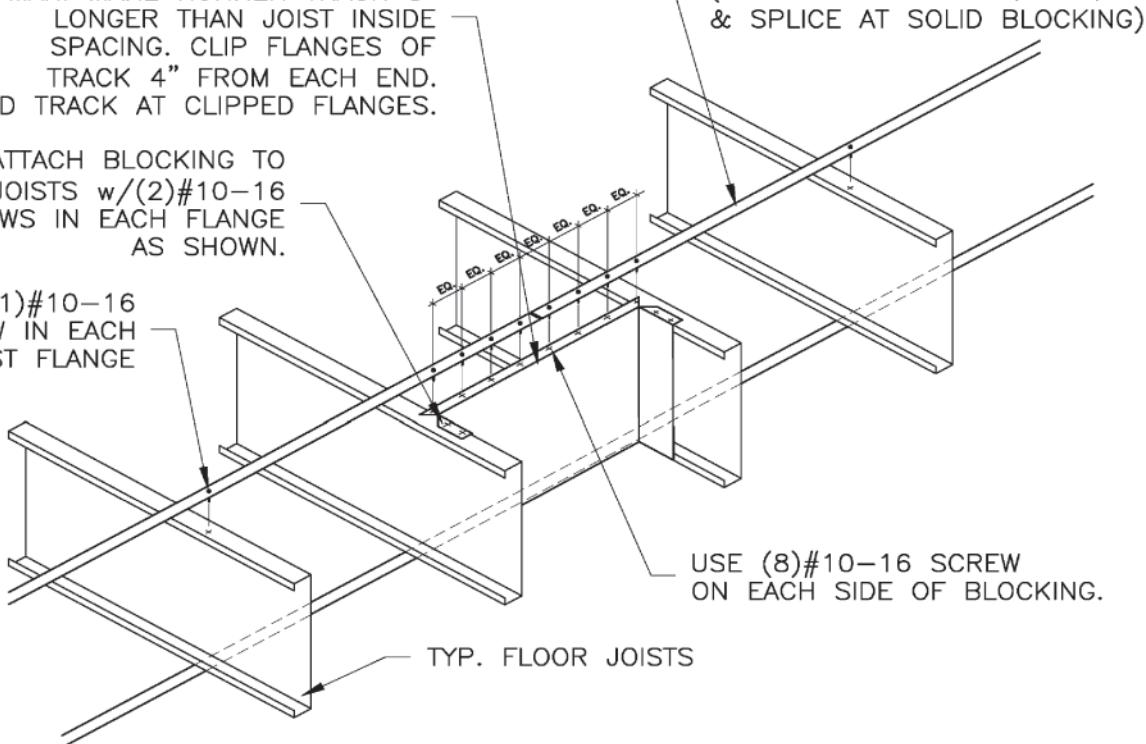
BLOCKING NOTE:

PLACE SOLID BLOCKING AT ENDS OF FLOOR SYSTEM, ADJACENT TO ALL OPENINGS, AND AT 10'-0"o.c. MAX.

MIN. 18 GA RUNNER TRACK
SOLID BLOCKING @ 10'-0"o.c.
MAX. MAKE RUNNER TRACK 8"
LONGER THAN JOIST INSIDE
SPACING. CLIP FLANGES OF
TRACK 4" FROM EACH END.
BEND TRACK AT CLIPPED FLANGES.

ATTACH BLOCKING TO
JOISTS w/(2)#10-16
SCREWS IN EACH FLANGE
AS SHOWN.

(1)#10-16
SCREW IN EACH
JOIST FLANGE



STRAP NOTE:

TOP STRAP NOT REQ'D. IF CONTINUOUSLY
ATTACHED RIGID SHEATHING IS USED.
TEMPORARY BRACING OF TOP FLANGE
DURING CONSTRUCTION MAY BE REQ'D.

BRIDGING RECOMMENDATIONS	
SPANS	ROWS REQUIRED
UP TO 14'	ONE ROW @ MID-SPAN
14' TO 20'	TWO ROWS @ THIRD POINTS
20' TO 26'	THREE ROWS @ QUARTER POINTS

JOIST BRIDGING

1-1/2" x 20GA. STRAP WITH
RUNNER TRACK BLOCKING

Typical Details

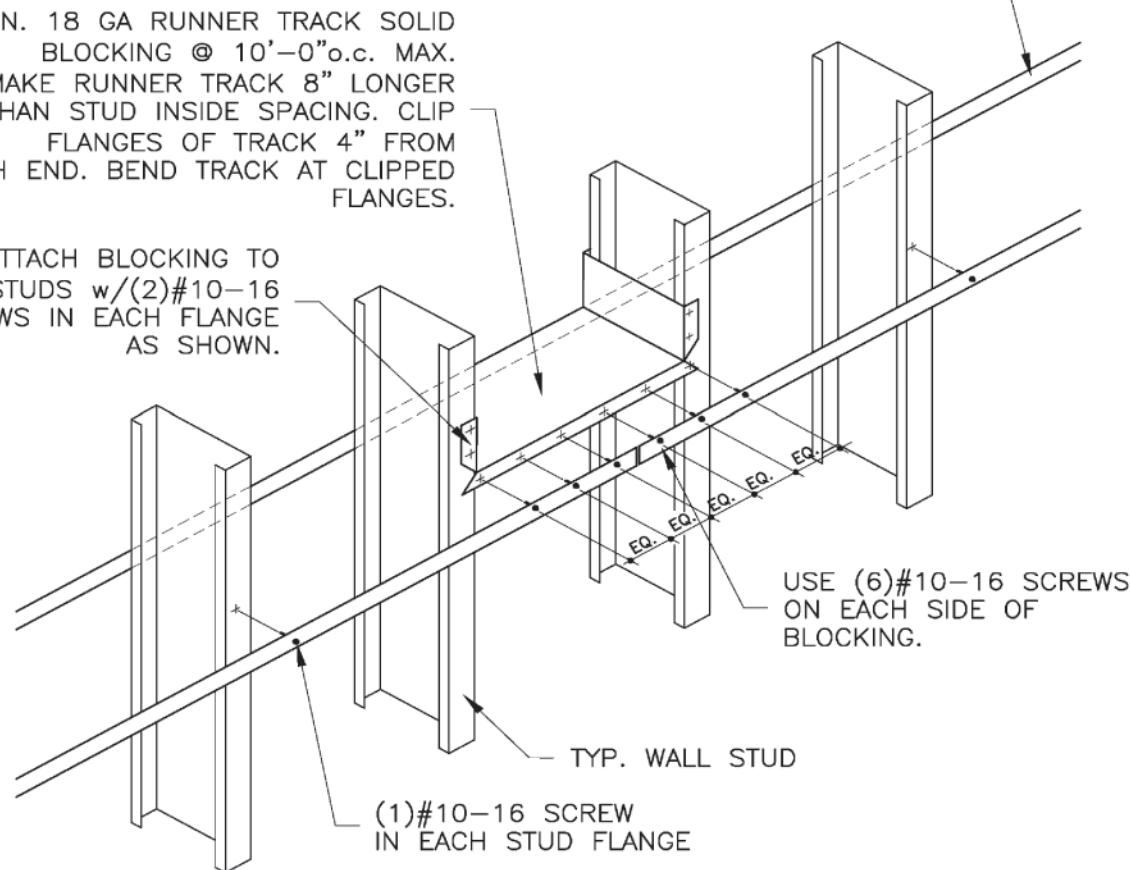
BLOCKING NOTE

PLACE SOLID BLOCKING AT ENDS OF WALL SYSTEM, ADJACENT TO ALL OPENINGS, AND AT 10'-0" O.C. MAX

MIN. 18 GA RUNNER TRACK SOLID BLOCKING @ 10'-0" o.c. MAX.
MAKE RUNNER TRACK 8" LONGER THAN STUD INSIDE SPACING. CLIP FLANGES OF TRACK 4" FROM EACH END. BEND TRACK AT CLIPPED FLANGES.

ATTACH BLOCKING TO WALL STUDS w/(2) #10-16 SCREWS IN EACH FLANGE AS SHOWN.

1-1/2" x 20 GA. STRAPPING ON EACH SIDE OF WALL STUDS.
(STRAPPING TO START, END, & SPLICE AT SOLID BLOCKING)



STRAPPING LATERAL BRACING

1-1/2" x 20GA. STRAP WITH
RUNNER TRACK BLOCKING

Suggested Specifications



Scope of Work

The intent of this section is to establish the standard of quality for materials, fabrication and erection of light gage studs, track, floor joist, roof trusses, bridging and related accessories as indicated on the drawings and specified herein.

1.0 Applicable Standards

- 1.1 American Iron and Steel Institute (A.I.S.I.) Design of Cold Formed Steel Structural Members
- 1.2 American Welding Society (A.W.S.) Welding in Building Construction
- 1.3 American Society for Testing & Materials (A.S.T.M.)
- 1.4 Building Code as applicable
- 1.5 American Institute of Steel Construction (A.I.S.C.) Manual of Steel Construction

2.0 Submittals

2.1 Shop Drawings

- 2.1.1 Prior to fabrication of framing the contractor shall submit fabrication and erection drawings to the architect to obtain approval.
- 2.1.2 Indicate all member gauges, spacing and sizes.
- 2.1.3 Indicate shop and field assembly details including cut and connections.
- 2.1.4 Indicate type and location of welds, bolts and fastening devices.
- 2.1.5 When prefabricating, shop drawings shall indicate all prefabricated framing with individual panel drawings for each condition. Drawings to indicate panel configuration, dimensions, materials, attachments, and panel location.

2.2 Structural Calculations

- 2.2.1 Submit suggested structural design calculations as prepared by a professional engineer registered in the state where the project is located and who specializes in cold-formed steel framing.

2.3 Quality Assurance

- 2.3.1 Steel framing manufacturer shall provide a qualified representative for periodic on-site review to insure fabrication and installation complies with manufacturer's recommendations.

3.0 Materials

- 3.1 All framing members shall be manufactured and supplied by a member of the Steel Framing Industry Association (SFIA) and be of the type and size as shown on the plans.
- 3.2 All galvanized studs 12, 14, and 16 gauge shall be formed from steel that corresponds to the minimum requirement of A.S.T.M. A1003, with a minimum yield of 50,000 psi.
- 3.3 All galvanized 18 and 20 gauge studs, and all galvanized track, bridging, end closures and accessories shall be formed from steel that corresponds to the requirements of A.S.T.M. A1003, with minimum yield of 33,000 psi.
- 3.4 All galvanized studs and accessories shall be formed from steel having a G-60 galvanized coating for structural members and with G40 or equivalent corrosion protection, per ASTM C645 for nonstructural members.
- 3.5 The Physical and structural properties listed by (SFIA) shall be considered the minimum permitted for all framing members. Specifically, the following minimum properties, calculated in accordance with the latest A.I.S.I. Specification shall be provided: 1x(in. 4), Area (in.2), rx (in.), Fy (KSI). Resisting Moment (in-lb).
- 3.6 Any substitutions must be approved in writing ten (10) days prior to bid date, by the architect and/or engineer of record.

4.0 Fabrication

- 4.1 Prior to prefabrication of framing, the contractor shall submit fabrication and erection drawings to the architect or engineer to obtain approval.
- 4.2 Framing components may be preassembled into panels prior to erecting. Prefabricated panels shall be square, with components attached in a manner as to prevent racking.
- 4.3 All framing components shall be cut squarely for attachment to perpendicular members, or as required for an angular fit against abutting members. Members shall be held positively in place until properly fastened.
- 4.4 Axially loaded studs shall be installed in a manner, which will assure that ends of the studs are positioned against the inside track web, prior to stud and track attachment.
- 4.5 Provide insulation equal to that specified elsewhere in all double jamb studs and double-header members, which will not be accessible to the insulation contractor.

5.0 Execution

5.1 Erection (Walls)

- 5.1.1 Erect framing and panels plumb, level and square in strict accordance with the approved shop drawings.
- 5.1.2 Handling and lifting of prefabricated panels shall be done in a manner as to not cause distortion in any member.
- 5.1.3 Track shall be securely anchored to the supporting structure as shown on the fabrication and erection drawings.
- 5.1.4 At track butt joints, abutting pieces of track shall be securely anchored to a common structural element, or they shall be butt-welded or spliced together.
- 5.1.5 Studs shall be plumbed, aligned and securely attached to the flange or webs of both upper and lower tracks.
- 5.1.6 Jack studs or cripples shall be installed below window sills, above window and door heads, at free standing stair rails, and elsewhere to furnish support, and shall be securely attached to supporting members.
- 5.1.7 Wall stud bridging shall be attached in a manner to prevent stud rotation. Bridging rows shall be spaced according to the manufacturer's recommendation. Without supportive data, the minimum bridging shall be 5'0" on center for wind loaded walls and 4'0" on center for axial loaded walls.
- 5.1.8 Framed wall openings shall include headers and supporting studs as shown on the plans.
- 5.1.9 Temporary bracing shall be provided until erection is completed.
- 5.1.10 Provide stud walls at locations indicated on plans as "shear walls" for frame stability and lateral load resistance.
- 5.1.11 Splices in axially loaded studs shall not be permitted.
- 5.1.12 Provision for structure vertical movement shall be provided where indicated on the plans using a Vertical Slide Clip or other means in accordance with manufacturers recommendations.

5.2 Erection (Cold-Formed Steel Joists)

- 5.2.1 Joists shall be located directly over bearing studs or a load distribution member shall be provided at the top track.
- 5.2.2 Provide web stiffeners at reaction points where indicated by plans.
- 5.2.3 Joist bridging shall be provided as shown on plans.
- 5.2.4 End blocking shall be provided where joist ends are not otherwise restrained from rotation.

6.0 Related Equipment

6.1 Cutting

- 6.1.1 A radial arm 7 1/2 H.P. (3425 rpm) saw with an 18"x5/32" friction blade, style 9MR, having 280 teeth (10 teeth per inch) is frequently used in the shop. Other suggested shop cutting equipment includes either the radial arm saw or an abrasive cut-off (chop) saw with a reinforced abrasive blade; or a band saw.
- 6.1.2 For field cutting and small quantities, a 3 H.P. worm drive power saw equipped with a reinforced abrasive cut-off blade, a band saw or a power band saw will serve satisfactorily.

6.2 Welding

- 6.2.1 A wire feed type welder is recommended for fastest and most uniform welding in the shop. Good welds are also obtained with a 3/32" or 1/8" AWS type 6013 or 7014 rod with a welding heat of 60-110 amperes depending on the gauge of material and the fit of the parts.
- 6.2.2 Field welding of lightweight steel framing components can be accomplished using 225 amps, 230-volt single-phase current arc welder.

6.3 Screw Attachment

- 6.3.1 Fastening of metal-to-metal use of a reversible screw gun capable of handling metal self-tapping screws with a variable RPM speed of 0-2500 is recommended.
- 6.3.2 Attachment of metal to concrete: a self-contained, low velocity .22 caliber power-driving tool may be used where applicable.
- 6.3.3 Attachment of metal to concrete: use of expansion or anchor bolts may also be considered where applicable.



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 2015 code requirements.

Structural and nonstructural cold-formed steel framing certification is administered and audited by an independent third party testing agency 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 cold-formed steel framing products.

SFIA LISTED <small>STEELFRAMINGASSOCIATION.ORG</small>	STRUCTURAL CERTIFIED CODE COMPLIANT TO <ul style="list-style-type: none">✓ IBC 2015✓ ASTM C955✓ ASTM A1003/A1003M✓ AISI S100✓ AISI S200	A circular logo for "Architectural Testing Independent Administrator". It features a stylized building or mountain peak in the center, surrounded by the text "Architectural Testing" at the top and "Independent Administrator" at the bottom.
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Steel Framing Industry Association—Service to the Industry

SFIA LISTED <small>STEELFRAMINGASSOCIATION.ORG</small>	NONSTRUCTURAL CERTIFIED CODE COMPLIANT TO <ul style="list-style-type: none">✓ IBC 2015✓ ASTM C645✓ ASTM A1003/A1003M✓ ASTM B117✓ AISI S220	A circular logo for "Architectural Testing Independent Administrator". It features a stylized building or mountain peak in the center, surrounded by the text "Architectural Testing" at the top and "Independent Administrator" at the bottom.
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Steel Framing Industry Association—Service to the Industry

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." The list of manufacturing facilities with certification authorization stays current by being updated as changes occur and can be found at www.steelframingassociation.org/certifications.



STEEL FRAMING INDUSTRY ASSOCIATION

The Steel Framing Industry Association is dedicated to expanding the market for cold-formed steel in construction through programs and initiatives that Promote the use of cold formed steel framing as a sustainable and cost-effective solution, Advocate the development and acceptance of favorable code provisions, Educate members with reliable data and other critical information that is essential to effective business planning, and create a positive environment for Innovation.

The SFIA is the only organization where members come from virtually every facet of the construction industry, including steel mills, coil coaters, stud and connector manufacturers, component fabricators, engineers, researchers, suppliers/distributors, and builders and framing contractors. This uniquely broad membership enables us to identify issues and opportunities, along with programs and solutions that can be effectively implemented across the industry.

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