

COMPLIES WITH 2006 IBC

PRODUCT TECHNICAL INFORMATION



SSMA®

**STEEL STUD MANUFACTURERS
ASSOCIATION**

PRODUCT IDENTIFICATION

All SSMA products have a four part identification code which identifies the size (both depth and flange width), style, and material thickness of each member.

EXAMPLE:

MEMBER DEPTH:

(Example: 6" = **600** $\times \frac{1}{100}$ inches)

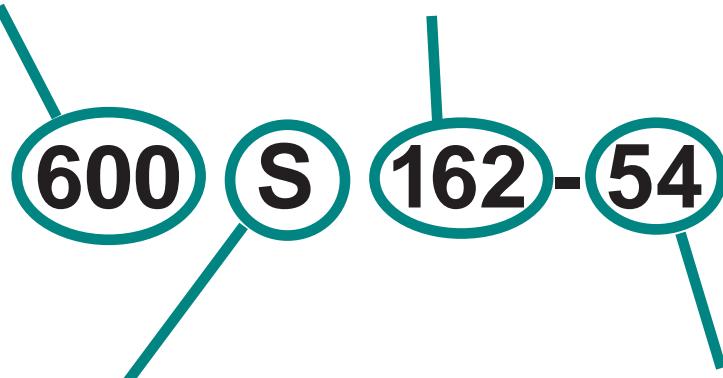
All member depths are taken in $\frac{1}{100}$ inches.

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

FLANGE WIDTH:

(Example: $1\frac{5}{8}$ " = 1.625" \approx **162** $\times \frac{1}{100}$ inches)

All flange widths are taken in $\frac{1}{100}$ inches.



STYLE:

(Example: Stud or Joist section = **S**)

The four alpha characters utilized by the designator system are:

- S** = Stud or Joist Sections*
- T** = Track Sections
- U** = Channel Sections
- F** = Furring Channel Sections

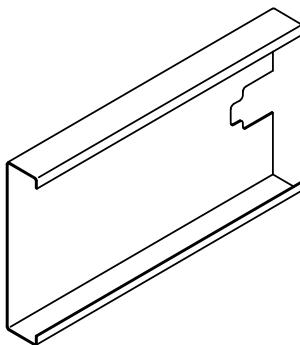
MATERIAL THICKNESS:

(Example: 0.054 in. = 54 mils;
1 mil = $\frac{1}{1000}$ in.)

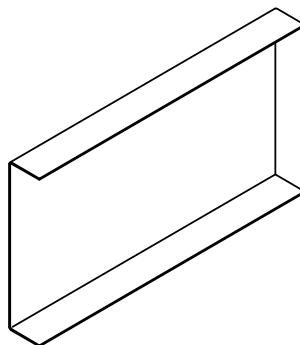
Material thickness is the minimum base metal thickness in mils. Minimum base metal thickness represents 95% of the design thickness.

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

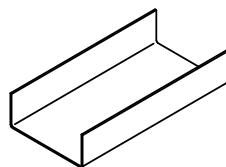
* For "S" members, see table on page 5 for stiffening lip length.



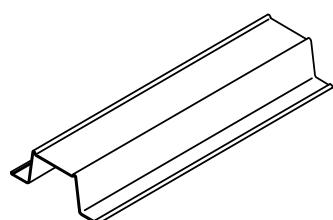
**C-STUD/JOIST
S-SECTIONS**



**TRACK
T-SECTIONS**



**CHANNEL
U-SECTIONS**



**FURRING CHANNEL
F-SECTIONS**

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Editorial corrections & additions made 12/2010 on pages 7, 8, 9, 55, and 56. Corrections are shown in red text on light red background (similar to this note) with black sidebar in left column.

General Product Information

Introduction

The increasing environmental concerns in the world today have caused us all to examine the way we live. These issues have affected every aspect of our lives, including the materials we use in construction. The use of cold-formed steel members as a building alternative is an intelligent choice with benefits to not only the environment, but also to the contractor, designer and developer.

Steel is not only a recyclable product, but also a stronger product allowing for longer clear-spans in the design process. Cold-formed steel is lighter providing ease of handling. It is a dimensionally stable product giving a "straight" wall with which to work. It doesn't suffer fluctuation in price, making it easier to bid a project. Quality control is stressed in all phases of the manufacturing process so the highest possible quality is delivered to the job site. The structural shapes manufactured are easily used for non-structural and structural assemblies, floor and ceiling joist assemblies, trusses, and panelized systems. They can be used as the main structural support system or as a supplement to heavy structural steel or concrete construction.

SSMA member manufacturers have been producing cold-formed steel framing members for many years, with each manufacturer having its own nomenclature and design values. A steel member with identical properties would be identified by different names based on which manufacturer produced it. This created some confusion at all levels of the construction process.

The SSMA's mission is to be the unified voice of the steel framing manufacturing industry, by being the leader in supporting the development and maintenance of quality product standards and specifications, and by creating growth opportunities for cold-formed steel through research, marketing, and education.

Code Approval

SSMA producer members demonstrate code compliance through their participation in the SSMA third party Code Compliance Certification program, administered by Architectural Testing, Inc. (ATI). Look for products and bundles marked with the SSMA and ATI label or logo, stating "CERTIFIED CODE COMPLIANT." In addition, SSMA maintains an Evaluation Service Report through International Code Council Evaluation Service (ICC-ES). For details on both programs, as well as listing of manufacturing facilities participating in each program, go to www.ssma.com. See back cover of this catalog for additional information.

Material Specifications

Products manufactured by SSMA 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 catalog are engineered to meet the 2001 edition with 2004 supplement of the American Iron and Steel Institute (AISI) North American Specification for the Design of Cold-Formed Steel Structural Members (2004 AISI Specification) and other AISI standards referenced in section 2210 of the 2006 International Building Code (IBC). The structural properties included in this brochure have been computed based on allowable strength design. Not all products listed are available from all SSMA member companies – check local supplier or specific SSMA member for availability. For fastener tables, screw sizes and head diameters do not refer to specific fasteners which may or may not be available from SSMA members. Shear and tension data for screws was developed with the assistance of the Wei-Wen Yu Center for Cold-Formed Steel Structures (CCFSS).

Technical Assistance

Professional technical assistance is available through any SSMA member to its customers. Using software developed specifically for the SSMA, a manufacturer's technical representative can analyze load conditions, deflection criteria and lateral bracing conditions not presented in this brochure. Computerized design can assist a SSMA customer with the most economical product selection for the specific application. Contact the SSMA manufacturer for this assistance.

Disclaimer

All data, specifications and details contained in this publication are intended as a general guide for using SSMA members' 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. The SSMA and its members assume no liability for failure resulting from the use or misapplication of computations, detail drawings and specifications contained herein. This publication contains the latest information available at the time of printing with respect to the referenced building codes and standards. The SSMA and its members 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 SSMA manufacturers may not produce all of the products contained in this catalog. Please contact manufacturer to verify product availability.

General Product Information

Thickness Table

Designation Thickness (mils)	Minimum Thickness ¹ (in)	Design Thickness ¹ (in)	Design Inside Corner Radii ² (in)	Reference Only Gauge No.
18	0.0179	0.0188	0.0843	25
27	0.0269	0.0283	0.0796	22
30	0.0296	0.0312	0.0781	20 – Drywall
33	0.0329	0.0346	0.0764	20 – Structural
43	0.0428	0.0451	0.0712	18
54	0.0538	0.0566	0.0849	16
68	0.0677	0.0713	0.1069	14
97	0.0966	0.1017	0.1525	12
118	0.1180	0.1242	0.1863	10

¹ Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site based on Section A2.4 of the 2004 AISI Specification.

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

Design 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

General Notes for all tables

- Where 'AISI 2004 Specification' is referenced, it is the "North American Specification for the Design of Cold-Formed Steel Structural Members", 2001 edition, including the 2004 Supplement, with US provisions.
- The strength increase from cold work of forming has been incorporated for flexural strength per AISI 2004 Specification A7.2
- 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 2004 Specification Procedure I for serviceability determination has been used.
- Various sections may be manufactured with yield points of 33 or 50 kips per square inch (KSI). The yield point used for calculations is indicated in the tables.
- For sections available in both 33 and 50 KSI, the specifier must clearly indicate which yield point is required. For example: 362S162-54 (50 KSI).
- When provided, factory punchouts will be located along the centerline of the webs of the members and will have a minimum center-to-center spacing of 24 inches. Punchouts for members > 2.5 inches deep are a maximum of 1.5 inches wide x 4 inches long. Members with depths 2.5" and smaller are maximum 3/4" wide x 4 inches long.

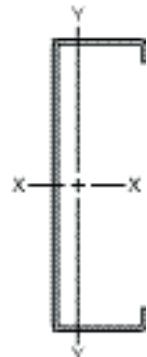
Definitions of Structural Property Symbols

Gross Properties

- Ix: Moment of inertia of the 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.
 ly: Moment of inertia of the 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: Moment of inertia for deflection calculations based on "Procedure 1 for Deflection Determination" of the 2004 AISI Specification.
 Sxe: Effective section modulus about the X-X axis (strong axis) Stress = F_y .
 Ma: Allowable Bending Moment – Based on the effective section modulus and the allowable stress including the strength increase from cold-work of forming (AISI 7.2) where applicable.
 Vag: Allowable strong axis shear away from punchout, calculated in accordance with AISI section C3.2.1.
 Vanet: Allowable strong axis shear at the 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.
 β: $1 - (X_o/R_o)^2$
 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

Section Properties Table Notes

1. The centerline bend radius is based on inside corner radii shown in thickness chart on page 5.
2. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius.
3. Hems on non-structural track sections are ignored.
4. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
5. Tabulated gross properties are based on the full-unreduced cross section of the studs, away from punchouts.
6. For deflection calculations, use the effective moment of inertia.
7. For those steels that have both 33 and 50 ksi listings, if the design is based upon 50 ksi, the 50 ksi steel needs to be specified. (i.e., 362S137-54 (50 ksi))

Non-Structural (S) Stud Section Properties

Member	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties					Torsional					Lu (in)		
			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 _{xe} (in ⁴)	S _{xe} (in ³)	M _a (in-k)	V _{ag} (lb)	V _{anet} (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	0.03	0.03	0.61	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	0.068	0.682	0.023	0.443	0.06	0.05	1.05	494	106	0.032	0.013	-1.017	0.587	1.302	0.390	29.1
162S125-30	0.0312	33	0.131	0.45	0.061	0.075	0.681	0.026	0.441	0.06	0.06	1.19	543	106	0.043	0.014	-1.014	0.585	1.298	0.390	29.0
162S125-33	0.0346	33	0.145	0.49	0.067	0.083	0.679	0.028	0.440	0.07	0.07	1.37	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	0.09	0.06	1.17	258	196	0.011	0.023	-0.904	0.543	1.427	0.599	29.0
250S125-27	0.0283	33	0.144	0.49	0.147	0.118	1.009	0.027	0.434	0.14	0.10	1.92	685	344	0.039	0.034	-0.893	0.536	1.416	0.602	28.8
250S125-30	0.0312	33	0.159	0.54	0.161	0.129	1.008	0.030	0.433	0.16	0.11	2.17	832	378	0.052	0.037	-0.889	0.534	1.412	0.603	28.9
250S125-33	0.0346	33	0.176	0.60	0.178	0.142	1.006	0.033	0.431	0.18	0.13	2.48	975	399	0.070	0.040	-0.885	0.532	1.408	0.605	28.8
250S125-43	0.0451	33	0.227	0.77	0.228	0.182	1.001	0.041	0.426	0.23	0.18	3.49	1265	394	0.154	0.050	-0.873	0.525	1.396	0.608	28.8
250S125-54	0.0566	50	0.280	0.95	0.277	0.222	0.994	0.049	0.419	0.28	0.22	4.98*	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	0.33	0.27	6.30*	1891	342	0.299	0.060	-0.859	0.518	1.379	0.612	26.6
250S125-68	0.0713	50	0.345	1.18	0.334	0.267	0.984	0.057	0.408	0.27	0.21	6.25	2353	565	0.585	0.072	-0.839	0.508	1.356	0.617	23.2
250S125-68	0.0713	50	0.345	1.18	0.334	0.267	0.984	0.057	0.408	0.33	0.26	7.84	2866	519	0.585	0.072	-0.839	0.508	1.356	0.617	23.4
350S125-18	0.0188	33	0.115	0.39	0.215	0.123	1.366	0.021	0.423	0.20	0.07	1.42	180	159	0.014	0.050	-0.797	0.495	1.637	0.763	28.8
350S125-27	0.0283	33	0.173	0.59	0.320	0.183	1.361	0.030	0.418	0.32	0.13	2.57	614	359	0.046	0.072	-0.787	0.489	1.627	0.766	28.6
350S125-30	0.0312	33	0.190	0.65	0.351	0.201	1.359	0.033	0.417	0.35	0.15	2.96	824	436	0.062	0.079	-0.784	0.487	1.624	0.767	28.6
350S125-33	0.0346	33	0.210	0.72	0.387	0.221	1.358	0.036	0.415	0.38	0.18	3.45	1024	487	0.084	0.087	-0.780	0.485	1.620	0.768	28.6
350S125-43	0.0451	33	0.272	0.93	0.498	0.284	1.352	0.046	0.410	0.50	0.26	5.10	1739	631	0.184	0.109	-0.769	0.479	1.609	0.771	28.5
350S125-54	0.0566	33	0.337	1.15	0.608	0.348	1.344	0.055	0.402	0.61	0.33	6.49	2253	633	0.360	0.131	-0.755	0.471	1.593	0.775	28.3
350S125-54	0.0566	50	0.337	1.15	0.608	0.348	1.344	0.055	0.402	0.74	0.41	8.08	2774	592	0.360	0.131	-0.755	0.471	1.593	0.775	28.3
350S125-68	0.0713	33	0.417	1.42	0.739	0.422	1.332	0.064	0.391	0.60	0.31	9.22	3372	947	0.706	0.156	-0.737	0.462	1.571	0.780	22.9
350S125-68	0.0713	50	0.417	1.42	0.739	0.422	1.332	0.064	0.391	0.74	0.40	11.97	4202	897	0.706	0.156	-0.737	0.462	1.571	0.780	22.7
362S125-18	0.0188	33	0.118	0.40	0.234	0.129	1.409	0.021	0.421	0.22	0.08	1.48	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	0.34	0.14	2.67	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	0.38	0.16	3.08	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	1.400	0.037	0.413	0.42	0.18	3.59	1024	521	0.086	0.094	-0.769	0.480	1.650	0.783	28.6
362S125-43	0.0451	33	0.278	0.95	0.540	0.298	1.395	0.046	0.408	0.54	0.27	5.31	1739	676	0.188	0.118	-0.758	0.473	1.639	0.786	28.4
362S125-54	0.0566	33	0.344	1.17	0.661	0.365	1.386	0.055	0.400	0.66	0.34	6.78	2341	705	0.367	0.142	-0.744	0.466	1.623	0.790	28.3
362S125-54	0.0566	50	0.344	1.17	0.661	0.365	1.386	0.055	0.400	0.80	0.43	8.51	2884	662	0.367	0.142	-0.744	0.466	1.623	0.790	28.2
362S125-68	0.0713	33	0.426	1.45	0.803	0.443	1.374	0.065	0.389	0.66	0.32	9.62	3372	1016	0.721	0.169	-0.726	0.457	1.602	0.795	22.8
362S125-68	0.0713	50	0.426	1.45	0.803	0.443	1.374	0.065	0.389	0.80	0.42	12.52	4370	1004	0.721	0.169	-0.726	0.457	1.602	0.795	22.7
400S125-18 ¹	0.0188	33	0.125	0.42	0.294	0.147	1.536	0.021	0.414	0.28	0.08	1.64	156	156	0.015	0.068	-0.754	0.475	1.760	0.816	28.8
400S125-27	0.0283	33	0.187	0.64	0.438	0.219	1.531	0.031	0.410	0.43	0.15	2.97	533	398	0.050	0.098	-0.744	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	0.408	0.47	0.17	3.44	715	484	0.067	0.107	-0.741	0.467	1.748	0.820	28.4
400S125-33	0.0346	33	0.228	0.77	0.531	0.265	1.527	0.038	0.407	0.52	0.20	4.01	976	595	0.091	0.118	-0.738	0.465	1.744	0.821	28.5
400S125-43	0.0451	33	0.295	1.00	0.682	0.341	1.521	0.048	0.402	0.68	0.30	5.96	1739	810	0.200	0.148	-0.727	0.459	1.733	0.824	28.3
400S125-54	0.0566	33	0.365	1.24	0.835	0.418	1.512	0.057	0.394	0.84	0.39	7.65	2603	944	0.390	0.178	-0.713	0.451	1.718	0.828	28.1
400S125-54	0.0566	50	0.365	1.24	0.835	0.418	1.512	0.057	0.394	1.02	0.49	9.72	3215	895	0.390	0.178	-0.713	0.451	1.718	0.828	27.9
400S125-68	0.0713	33	0.452	1.54	1.017	0.509	1.499	0.066	0.383	0.83	0.36	10.81	3372	1223	0.767	0.213	-0.695	0.442	1.696	0.832	22.7
400S125-68	0.0713	50	0.452	1.54	1.017	0.509	1.499	0.066	0.383	1.02	0.47	14.18	4871	1356	0.767	0.213	-0.695	0.442	1.696	0.832	22.5
550S125-18 ¹²	0.0188	33	0.153	0.52	0.630	0.229	2.029	0.023	0.390	0.90	0.25	4.86	382	382	0.018	0.140	-0.651	0.423	2.166	0.910	
550S125-27	0.0283	33	0.229	0.78	0.938	0.341	2.023	0.034	0.385	1.00	0.29	5.65	512	512	0.061	0.205	-0.641	0.417	2.157	0.912	27.9
550S125-30	0.0312	33	0.252	0.86	1.031	0.375	2.021	0.037	0.384	1.11	0.34	6.62	699	699	0.082	0.224	-0.639	0.415	2.154	0.912	27.9
550S125-33	0.0346	33	0.279	0.95	1.139	0.414	2.019	0.041	0.382	1.46	0.50	9.88	1550	1199	0.112	0.246	-0.635	0.413	2.151	0.913	27.8
550S125-43	0.0451	33	0.362	1.23	1.468	0.534	2.013	0.052	0.377	1.46	0.50	9									

Section Properties

Non-Structural (S) Stud Section Properties (continued)

Member	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties					Torsional					Lu (in)
			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 _{xe} (in ⁴)	S _{xe} (in ³)	M _a (in-k)	V _{ag} (lb)	V _{anet} (lb)	J x 1000 (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
600S125-18 ^{1,2}	0.0188	33	0.162	0.55	0.778	0.259	2.189	0.024	0.382	1.10	0.27	5.35	349	349	0.019	0.172	-0.623	0.408	2.308	0.927
600S125-27 ¹	0.0283	33	0.243	0.83	1.160	0.387	2.183	0.035	0.377	1.22	0.32	6.22	468	468	0.065	0.251	-0.614	0.402	2.299	0.929
600S125-30	0.0312	33	0.268	0.91	1.275	0.425	2.181	0.038	0.376	1.36	0.37	7.30	638	638	0.087	0.274	-0.611	0.401	2.296	0.929
600S125-33	0.0346	33	0.297	1.01	1.409	0.470	2.179	0.042	0.374	1.81	0.56	10.96	1416	1240	0.118	0.300	-0.608	0.399	2.293	0.930
600S125-43	0.0451	33	0.385	1.31	1.817	0.606	2.173	0.053	0.369	2.24	0.73	14.37	2739	1890	0.511	0.457	-0.586	0.386	2.269	0.933
600S125-54	0.0566	33	0.479	1.63	2.236	0.745	2.161	0.063	0.362	2.74	0.91	21.53*	4347	2339	0.511	0.457	-0.586	0.386	2.269	0.933
600S125-54	0.0566	50	0.479	1.63	2.236	0.745	2.161	0.063	0.362	2.22	0.67	20.15	2823	1947	1.008	0.548	-0.570	0.378	2.248	0.936
600S125-68	0.0713	33	0.595	2.02	2.740	0.913	2.146	0.073	0.351	2.74	0.90	26.88	5350	2879	1.008	0.548	-0.570	0.378	2.248	0.936
600S125-68	0.0713	50	0.595	2.02	2.740	0.913	2.146	0.073	0.351	2.74	0.90	26.88	5350	2879	1.008	0.548	-0.570	0.378	2.248	0.936
800S125-33 ¹	0.0346	33	0.366	1.25	2.881	0.720	2.806	0.044	0.347	2.66	0.51	10.02	474	474	0.146	0.582	-0.519	0.349	2.875	0.967
800S125-43	0.0451	33	0.475	1.62	3.721	0.930	2.799	0.056	0.342	3.58	0.77	15.27	1051	1051	0.322	0.735	-0.510	0.344	2.865	0.968
800S125-54	0.0566	33	0.592	2.01	4.593	1.148	2.786	0.066	0.335	4.57	1.04	20.46	2091	2091	0.632	0.889	-0.499	0.338	2.850	0.969
800S125-54	0.0566	50	0.592	2.01	4.593	1.148	2.786	0.066	0.335	5.64	1.38	27.18	4221	3367	0.632	0.889	-0.499	0.338	2.850	0.969
800S125-68	0.0713	33	0.738	2.51	5.653	1.413	2.768	0.078	0.324	4.43	0.94	28.21	2091	2091	1.250	1.068	-0.485	0.330	2.829	0.971
800S125-68	0.0713	50	0.738	2.51	5.653	1.413	2.768	0.078	0.324	5.63	1.29	38.54	4221	3367	1.250	1.068	-0.485	0.330	2.829	0.971
																			20.8	

Structural (S) Stud Section Properties

Member	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties					Torsional					Lu (in)	
			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 _{xe} (in ⁴)	S _{xe} (in ³)	M _a (in-k)	V _{ag} (lb)	V _{anet} (lb)	J x 1000 (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β	
250S137-33	0.0346	33	0.197	0.67	0.203	0.163	1.015	0.052	0.515	0.20	0.16	3.11	975	399	0.079	0.076	-1.141	0.677	1.612	0.499	35.5
250S137-43	0.0451	33	0.255	0.87	0.261	0.208	1.010	0.067	0.511	0.26	0.21	4.53*	1265	394	0.173	0.096	-1.129	0.670	1.599	0.501	33.7
250S137-54	0.0566	33	0.316	1.07	0.318	0.255	1.004	0.080	0.504	0.32	0.26	5.76*	1553	373	0.337	0.115	-1.115	0.663	1.583	0.504	33.3
250S137-54	0.0566	50	0.316	1.07	0.318	0.255	1.004	0.080	0.504	0.32	0.24	8.22*	2353	565	0.337	0.115	-1.115	0.663	1.583	0.504	27.0
250S137-68	0.0713	33	0.390	1.33	0.386	0.309	0.994	0.095	0.495	0.39	0.31	7.19*	1891	342	0.661	0.138	-1.096	0.653	1.561	0.507	33.2
250S137-68	0.0713	50	0.390	1.33	0.386	0.309	0.994	0.095	0.495	0.39	0.31	10.65*	2866	519	0.661	0.138	-1.096	0.653	1.561	0.507	26.8
250S162-33	0.0346	33	0.223	0.76	0.235	0.188	1.027	0.087	0.624	0.24	0.18	3.55	975	399	0.089	0.146	-1.470	0.859	1.898	0.401	44.1
250S162-43	0.0451	33	0.289	0.98	0.302	0.242	1.022	0.111	0.620	0.30	0.24	5.22*	1265	394	0.196	0.184	-1.457	0.852	1.885	0.402	42.0
250S162-54	0.0566	33	0.358	1.22	0.370	0.296	1.016	0.135	0.613	0.37	0.30	6.57*	1553	373	0.383	0.223	-1.443	0.845	1.868	0.403	41.8
250S162-54	0.0566	50	0.358	1.22	0.370	0.296	1.016	0.135	0.613	0.37	0.28	9.42*	2353	565	0.383	0.223	-1.443	0.845	1.868	0.403	33.9
250S162-68	0.0713	33	0.443	1.51	0.450	0.360	1.007	0.162	0.605	0.45	0.36	8.21*	1891	342	0.752	0.268	-1.424	0.835	1.846	0.405	41.7
250S162-68	0.0713	50	0.443	1.51	0.450	0.360	1.007	0.162	0.605	0.45	0.36	12.11*	2866	519	0.752	0.268	-1.424	0.835	1.846	0.405	33.7
350S162-33	0.0346	33	0.258	0.88	0.508	0.290	1.404	0.098	0.617	0.51	0.26	5.08	1024	487	0.103	0.277	-1.324	0.796	2.026	0.573	42.8
350S162-43	0.0451	33	0.334	1.14	0.654	0.374	1.400	0.125	0.612	0.65	0.36	7.05	1739	631	0.227	0.350	-1.312	0.789	2.014	0.575	42.6
350S162-54	0.0566	33	0.415	1.41	0.804	0.460	1.392	0.152	0.606	0.80	0.45	8.83	2253	633	0.443	0.426	-1.298	0.782	1.998	0.578	42.7
350S162-54	0.0566	50	0.415	1.41	0.804	0.460	1.392	0.152	0.606	0.80	0.43	12.74	3372	947	0.443	0.426	-1.298	0.782	1.998	0.578	34.5
350S162-68	0.0713	33	0.515	1.75	0.985	0.563	1.383	0.184	0.597	0.99	0.55	10.89	2774	592	0.872	0.514	-1.280	0.772	1.977	0.581	34.6
350S162-68	0.0713	50	0.515	1.75	0.985	0.563	1.383	0.184	0.597	0.99	0.55	16.44	4202	897	0.872	0.514	-1.280	0.772	1.977	0.581	34.5
350S300-43 ²	0.0451	33	0.469	1.60	1.040	0.595	1.489	0.589	1.120	1.28	0.58	11.51	2253	633	0.624	2.166	-2.682	1.531	3.261	0.323	74.7
350S300-54	0.0566	33	0.585	1.99	1.286	0.735	1.483	0.724	1.113	1.21	0.51	15.20	3372	947	0.624	2.166	-2.682	1.531	3.261	0.323	60.4
350S300-54	0.0566	50	0.585	1.99	1.286	0.735	1.483	0.724	1.113	1.59	0.78	15.31	2774	592	1.235	2.649	-2.663	1.521	3.238	0.324	75.1
350S300-68	0.0713	33	0.729	2.48	1.586	0.906	1.475	0.888	1.104	1.56	0.69	20.56	4202	897	1.235	2.649	-2.663	1.521	3.238	0.324	60.5
362S137-33	0.0346	33	0.236	0.80	0.479	0.264	1.424	0.059	0.501	0.48	0.23	4.59	1024	521	0.094	0.165	-1.003	0.615	1.813	0.694	34.7
362S137-43	0.0451	33	0.306	1.04	0.616	0.340	1.419	0.075	0.497	0.62	0.32	6.32	1739	676	0.207	0.208	-0.991	0.608	1.801	0.697	34.6
362S137-54	0.0566	33	0.379	1.29	0.756	0.417	1.411	0.091	0.490	0.76	0.40	7.94	2341	705	0.405	0.251	-0.978	0.601	1.		

Section Properties

Structural (S) Stud Section Properties

Member	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties					Torsional					Lu (in)		
			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 _{xe} (in ⁴)	S _{xe} (in ³)	M _a (in-k)	V _{ag} (lb)	V _{anet} (lb)	J x 1000 (in ⁴)	C _w (in ⁸)	X _o (in)	m (in)	R _o (in)	β	
400S137-33	0.0346	33	0.249	0.85	0.603	0.301	1.556	0.061	0.496	0.60	0.26	5.12	976	595	0.099	0.204	-0.965	0.597	1.897	0.741	34.5
400S137-43	0.0451	33	0.323	1.10	0.776	0.388	1.551	0.078	0.491	0.78	0.36	7.09	1739	810	0.219	0.257	-0.954	0.591	1.885	0.744	34.4
400S137-54	0.0566	33	0.401	1.36	0.953	0.477	1.542	0.094	0.484	0.95	0.45	8.96	2603	944	0.428	0.311	-0.940	0.583	1.870	0.747	34.2
400S137-54	0.0566	50	0.401	1.36	0.953	0.477	1.542	0.094	0.484	0.95	0.43	12.82	3372	1223	0.428	0.311	-0.940	0.583	1.870	0.747	27.7
400S137-68	0.0713	33	0.497	1.69	1.165	0.582	1.531	0.112	0.475	1.17	0.56	16.70	4871	1356	0.842	0.375	-0.922	0.574	1.849	0.751	34.3
400S137-68	0.0713	50	0.497	1.69	1.165	0.582	1.531	0.112	0.475	1.17	0.56	16.70	4871	1356	0.842	0.375	-0.922	0.574	1.849	0.751	27.6
400S162-33	0.0346	33	0.275	0.94	0.692	0.346	1.586	0.103	0.611	0.69	0.30	5.91	976	595	0.110	0.363	-1.263	0.768	2.118	0.644	42.3
400S162-43	0.0451	33	0.357	1.21	0.892	0.446	1.581	0.131	0.606	0.89	0.42	8.23	1739	810	0.242	0.460	-1.252	0.761	2.106	0.647	42.2
400S162-54	0.0566	33	0.443	1.51	1.098	0.549	1.574	0.159	0.600	1.10	0.53	10.39	2603	944	0.473	0.560	-1.238	0.754	2.090	0.649	42.2
400S162-54	0.0566	50	0.443	1.51	1.098	0.549	1.574	0.159	0.600	1.10	0.50	14.90	3372	1223	0.473	0.560	-1.238	0.754	2.090	0.649	34.1
400S162-68	0.0713	33	0.550	1.87	1.346	0.673	1.564	0.192	0.591	1.35	0.66	13.00	3215	895	0.933	0.677	-1.220	0.745	2.069	0.653	42.2
400S162-68	0.0713	50	0.550	1.87	1.346	0.673	1.564	0.192	0.591	1.35	0.65	19.41	4871	1356	0.933	0.677	-1.220	0.745	2.069	0.653	34.0
400S200-33	0.0346	33	0.310	1.05	0.812	0.406	1.619	0.183	0.769	0.81	0.33	6.49	976	595	0.124	0.697	-1.688	1.007	2.462	0.530	53.1
400S200-43	0.0451	33	0.402	1.37	1.047	0.524	1.615	0.235	0.764	1.05	0.48	9.45	1739	810	0.272	0.886	-1.676	1.000	2.449	0.532	53.0
400S200-54	0.0566	33	0.500	1.70	1.292	0.646	1.608	0.287	0.758	1.29	0.62	12.30	2603	944	0.534	1.083	-1.662	0.993	2.433	0.534	53.1
400S200-54	0.0566	50	0.500	1.70	1.292	0.646	1.608	0.287	0.758	1.29	0.55	16.43	3372	1223	0.534	1.083	-1.662	0.993	2.433	0.534	42.9
400S200-68	0.0713	33	0.622	2.12	1.589	0.795	1.599	0.349	0.750	1.59	0.78	15.40	3215	895	1.054	1.318	-1.643	0.983	2.412	0.536	53.2
400S200-68	0.0713	50	0.622	2.12	1.589	0.795	1.599	0.349	0.750	1.59	0.75	22.48	4871	1356	1.054	1.318	-1.643	0.983	2.412	0.536	42.9
400S300-33 ²	0.0346	33	0.379	1.29	1.084	0.542	1.691	0.479	1.125						0.151	1.786	-2.621	1.510	3.316	0.375	
400S300-43 ²	0.0451	33	0.492	1.67	1.400	0.700	1.687	0.617	1.120						0.334	2.282	-2.608	1.503	3.302	0.376	
400S300-54	0.0566	33	0.613	2.09	1.732	0.866	1.681	0.760	1.114	1.72	0.68	13.44	2603	944	0.655	2.802	-2.594	1.496	3.285	0.377	74.1
400S300-54	0.0566	50	0.613	2.09	1.732	0.866	1.681	0.760	1.114	1.64	0.59	17.72	3372	1223	0.655	2.802	-2.594	1.496	3.285	0.377	59.9
400S300-68	0.0713	33	0.764	2.60	2.139	1.070	1.673	0.933	1.105	2.14	0.91	18.06	3215	895	1.295	3.432	-2.574	1.486	3.263	0.378	74.3
400S300-68	0.0713	50	0.764	2.60	2.139	1.070	1.673	0.933	1.105	2.10	0.81	24.09	4871	1356	1.295	3.432	-2.574	1.486	3.263	0.378	60.0
550S162-33	0.0346	33	0.327	1.11	1.458	0.530	2.112	0.113	0.589	1.46	0.51	10.11	699	699	0.130	0.713	-1.114	0.697	2.459	0.795	41.4
550S162-43	0.0451	33	0.424	1.44	1.883	0.685	2.107	0.145	0.584	1.88	0.68	14.79*	1550	1199	0.288	0.905	-1.103	0.691	2.448	0.797	39.2
550S162-54	0.0566	33	0.528	1.80	2.324	0.845	2.098	0.176	0.577	2.32	0.85	18.76*	2739	1666	0.564	1.105	-1.090	0.684	2.434	0.800	38.7
550S162-54	0.0566	50	0.528	1.80	2.324	0.845	2.098	0.176	0.577	2.32	0.81	26.86*	3093	1881	0.564	1.105	-1.090	0.684	2.434	0.800	31.6
550S162-68	0.0713	33	0.657	2.24	2.861	1.040	2.086	0.212	0.568	2.86	1.04	23.72*	4347	2057	1.114	1.342	-1.072	0.675	2.414	0.803	38.0
550S162-68	0.0713	50	0.657	2.24	2.861	1.040	2.086	0.212	0.568	2.86	1.03	34.94*	5350	2532	1.114	1.342	-1.072	0.675	2.414	0.803	31.1
550S300-33 ²	0.0346	33	0.431	1.47	2.210	0.804	2.265	0.536	1.115						0.172	3.401	-2.392	1.415	3.478	0.527	
550S300-43 ²	0.0451	33	0.560	1.90	2.860	1.040	2.261	0.690	1.110						0.379	4.357	-2.380	1.408	3.465	0.528	
550S300-54	0.0566	33	0.698	2.37	3.545	1.289	2.254	0.850	1.104	3.51	1.08	21.34	2739	1666	0.745	5.364	-2.365	1.401	3.449	0.530	73.1
550S300-54	0.0566	50	0.698	2.37	3.545	1.289	2.254	0.850	1.104	3.30	0.98	29.44	3093	1881	0.745	5.364	-2.365	1.401	3.449	0.530	59.2
550S300-68	0.0713	33	0.871	2.96	4.391	1.597	2.245	1.044	1.095	4.38	1.41	27.88	4347	2057	1.476	6.594	-2.346	1.391	3.427	0.531	73.1
550S300-68	0.0713	50	0.871	2.96	4.391	1.597	2.245	1.044	1.095	4.29	1.29	38.53	5350	2532	1.476	6.594	-2.346	1.391	3.427	0.531	59.1
600S137-33	0.0346	33	0.318	1.08	1.582	0.527	2.229	0.069	0.464	1.55	0.46	8.98	638	638	0.127	0.500	-0.807	0.519	2.416	0.889	33.5
600S137-43	0.0451	33	0.413	1.41	2.042	0.681	2.223	0.087	0.459	2.04	0.65	12.74	1416	1240	0.280	0.633	-0.796	0.513	2.406	0.890	33.2
600S137-54	0.0566	33	0.514	1.75	2.518	0.839	2.213	0.105	0.452	2.52	0.83	16.44	2739	1890	0.549	0.769	-0.784	0.506	2.391	0.893	33.0
600S137-54	0.0566	50	0.514	1.75	2.518	0.839	2.213	0.105	0.452	2.52	0.82	23.26	2823	1947	0.549	0.769	-0.784	0.506	2.391	0.893	26.8
600S137-68	0.0713	33	0.640	2.18	3.094	1.031	2.200	0.125	0.443	3.09	1.03	30.84	5350	2879	1.084	0.930	-0.768	0.497	2.371	0.895	26.6
600S137-97	0.1017	33	0.889	3.03	4.188	1.396	2.170	0.159	0.422	4.19	1.40	34.48*	6911	2512	3.066	1.216	-0.734	0.480	2.330	0.901	28.8
600S137-97	0.1017	50	0.889	3.03	4.188	1.396	2.170	0.159	0.422	4.19	1.40	50.80*	10472	3805	3.066	1.216	-0.734	0.480	2.330	0.901	23.6
600S162-33	0.0346	33	0.344	1.17	1.793	0.598	2.282	0.116	0.581	1.79	0.58	11.41	638	638	0.137	0.861	-1.072	0.677	2.587	0.828	41.1
600S162-43	0.0451	33	0.447	1.52	2.316	0.772	2.276	0.148	0.576	2.32	0.77	16.68*	1416	1240	0.303	1.095	-1.062	0.670	2.577	0.830	39.0
600S162-54	0.0566	33	0.556	1.89	2.860	0.953	2.267	0.180	0.570	2.86	0.95	21.17*	2739	1890	0.594	1.337	-1.049	0.663	2.562	0.832	38.4
600S162-54	0.0566	50	0.556	1.89	2.860	0.953	2.267	0.180													

Section Properties

Structural (S) Stud Section Properties

Member	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties					Torsional					Lu (in)		
			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 _{xe} (in ⁴)	S _{xe} (in ³)	M _a (in-k)	V _{ag} (lb)	V _{anet} (lb)	J x 1000 (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β	
600S300-68	0.0713	33	0.907	3.09	5.354	1.785	2.430	1.075	1.089	5.34	1.58	31.23	4347	2339	1.537	7.937	-2.280	1.363	3.505	0.577	72.8
600S300-68	0.0713	50	0.907	3.09	5.354	1.785	2.430	1.075	1.089	5.22	1.45	43.30	5350	2879	1.537	7.937	-2.280	1.363	3.505	0.577	59.9
600S300-97	0.1017	33	1.271	4.32	7.381	2.460	2.410	1.454	1.070	7.38	2.35	52.07*	6911	2512	4.381	10.776	-2.241	1.343	3.461	0.581	68.8
600S300-97	0.1017	50	1.271	4.32	7.381	2.460	2.410	1.454	1.070	7.28	2.25	67.28	10472	3805	4.381	10.776	-2.241	1.343	3.461	0.581	58.9
600S300-118	0.1242	33	1.531	5.21	8.785	2.928	2.395	1.704	1.065	8.79	2.84	64.29*	8267	2391	7.872	12.683	-2.212	1.328	3.427	0.583	68.1
600S300-118	0.1242	50	1.531	5.21	8.785	2.928	2.395	1.704	1.065	8.71	2.80	84.24*	12526	3622	7.872	12.683	-2.212	1.328	3.427	0.583	55.4
600S350-54	0.0566	33	0.825	2.81	5.022	1.674	2.467	1.491	1.344	4.91	1.45	28.70	2739	1890	0.881	12.942	-3.037	1.787	4.137	0.461	91.8
600S350-54	0.0566	50	0.825	2.81	5.022	1.674	2.467	1.491	1.344	4.72	1.34	39.97	2823	1947	0.881	12.942	-3.037	1.787	4.137	0.461	74.4
600S350-68	0.0713	33	1.032	3.51	6.237	2.079	2.459	1.841	1.336	6.24	1.95	38.50	4347	2339	1.748	15.968	-3.018	1.777	4.115	0.462	91.8
600S350-68	0.0713	50	1.032	3.51	6.237	2.079	2.459	1.841	1.336	6.17	1.77	53.01	5350	2879	1.748	15.968	-3.018	1.777	4.115	0.462	74.4
600S350-97	0.1017	33	1.449	4.93	8.631	2.877	2.441	2.518	1.318	8.63	2.82	61.55*	6911	2512	4.994	21.811	-2.979	1.757	4.071	0.464	87.5
600S350-97	0.1017	50	1.449	4.93	8.631	2.877	2.441	2.518	1.318	8.63	2.59	77.64	10472	3805	4.994	21.811	-2.979	1.757	4.071	0.464	74.4
600S350-118	0.1242	33	1.748	5.95	10.304	3.435	2.428	2.978	1.305	10.30	3.44	76.39*	8267	2391	8.990	25.791	-2.951	1.742	4.038	0.466	86.9
600S350-118	0.1242	50	1.748	5.95	10.304	3.435	2.428	2.978	1.305	10.30	3.27	108.43*	12526	3622	8.990	25.791	-2.951	1.742	4.038	0.466	70.6
800S137-33	0.0346	33	0.388	1.32	3.198	0.799	2.873	0.073	0.435	3.00	0.62	12.30	474	474	0.155	0.957	-0.696	0.460	2.987	0.946	32.5
800S137-43	0.0451	33	0.503	1.71	4.134	1.033	2.866	0.093	0.430	4.00	0.90	17.70	1051	1051	0.341	1.214	-0.687	0.454	2.978	0.947	32.2
800S137-54	0.0566	33	0.627	2.13	5.110	1.277	2.855	0.112	0.423	5.08	1.18	23.29	2091	2091	0.670	1.478	-0.676	0.448	2.964	0.948	32.0
800S137-54	0.0566	50	0.627	2.13	5.110	1.277	2.855	0.112	0.423	4.97	1.08	32.42	2091	2091	0.670	1.478	-0.676	0.448	2.964	0.948	25.9
800S137-68	0.0713	33	0.782	2.66	6.303	1.576	2.839	0.134	0.414	6.30	1.54	30.45	4221	3367	1.325	1.789	-0.661	0.440	2.944	0.950	31.6
800S137-68	0.0713	50	0.782	2.66	6.303	1.576	2.839	0.134	0.414	6.29	1.47	43.96	4221	3367	1.325	1.789	-0.661	0.440	2.944	0.950	25.6
800S137-97	0.1017	33	1.093	3.72	8.597	2.149	2.805	0.169	0.394	8.60	2.15	53.09*	8843	4824	3.767	2.349	-0.630	0.423	2.902	0.953	27.6
800S137-97	0.1017	50	1.093	3.72	8.597	2.149	2.805	0.169	0.394	8.60	2.15	64.35	10885	5938	3.767	2.349	-0.630	0.423	2.902	0.953	25.0
800S162-33 ¹	0.0346	33	0.413	1.41	3.582	0.896	2.943	0.125	0.550	3.38	0.71	14.03	474	474	0.165	1.630	-0.936	0.607	3.137	0.911	40.1
800S162-43 ¹	0.0451	33	0.537	1.83	4.633	1.158	2.937	0.160	0.546	4.50	1.02	20.14	1051	1051	0.364	2.076	-0.926	0.601	3.128	0.912	39.9
800S162-43 ¹	0.0451	50	0.537	1.83	4.633	1.158	2.937	0.160	0.546	4.50	1.02	20.14	1051	1051	0.364	2.076	-0.926	0.601	3.128	0.912	39.6
800S162-54	0.0566	33	0.670	2.28	5.736	1.434	2.927	0.194	0.539	5.70	1.33	26.36	2091	2091	0.715	2.539	-0.914	0.594	3.113	0.914	32.1
800S162-54	0.0566	50	0.670	2.28	5.736	1.434	2.927	0.194	0.539	5.60	1.23	36.79	2091	2091	0.715	2.539	-0.914	0.594	3.113	0.914	32.1
800S162-68	0.0713	33	0.836	2.84	7.089	1.772	2.913	0.235	0.530	7.09	1.74	34.32	4221	3367	1.416	3.093	-0.899	0.586	3.094	0.916	39.3
800S162-68	0.0713	50	0.836	2.84	7.089	1.772	2.913	0.235	0.530	7.07	1.66	49.80	4221	3367	1.416	3.093	-0.899	0.586	3.094	0.916	31.9
800S162-97	0.1017	33	1.169	3.98	9.713	2.428	2.883	0.305	0.510	9.71	2.43	58.27*	8843	4824	4.030	4.114	-0.866	0.568	3.053	0.919	35.1
800S162-97	0.1017	50	1.169	3.98	9.713	2.428	2.883	0.305	0.510	9.71	2.43	72.70	10885	5938	4.030	4.114	-0.866	0.568	3.053	0.919	31.4
800S162-118	0.1242	33	1.407	4.79	11.504	2.876	2.860	0.345	0.496	11.50	2.88	71.47*	11341	4971	7.234	4.766	-0.842	0.556	3.022	0.922	34.1
800S162-118	0.1242	50	1.407	4.79	11.504	2.876	2.860	0.345	0.496	11.50	2.88	105.23*	16235	7115	7.234	4.766	-0.842	0.556	3.022	0.922	28.0
800S200-33 ¹	0.0346	33	0.448	1.52	4.096	1.024	3.023	0.227	0.712	4.10	0.82	16.12	474	474	0.179	2.971	-1.288	0.817	3.363	0.853	50.5
800S200-43	0.0451	33	0.582	1.98	5.302	1.325	3.018	0.292	0.708	5.30	1.29	25.54	1051	1051	0.395	3.797	-1.277	0.811	3.353	0.855	50.4
800S200-54	0.0566	33	0.726	2.47	6.573	1.643	3.009	0.357	0.701	6.57	1.64	35.75*	2091	2091	0.775	4.663	-1.265	0.804	3.338	0.856	47.8
800S200-54	0.0566	50	0.726	2.47	6.573	1.643	3.009	0.357	0.701	6.57	1.50	44.87	2091	2091	0.775	4.663	-1.265	0.804	3.338	0.856	40.7
800S200-68	0.0713	33	0.907	3.09	8.140	2.035	2.996	0.435	0.692	8.14	2.04	45.29*	4221	3367	1.537	5.712	-1.248	0.796	3.319	0.859	47.0
800S200-68	0.0713	50	0.907	3.09	8.140	2.035	2.996	0.435	0.692	8.14	1.96	65.21*	4221	3367	1.537	5.712	-1.248	0.796	3.319	0.859	38.4
800S200-97	0.1017	33	1.271	4.32	11.203	2.801	2.969	0.576	0.673	11.20	2.80	96.63*	10885	5938	4.381	7.684	-1.214	0.777	3.278	0.863	37.2
800S200-97	0.1017	50	1.271	4.32	11.203	2.801	2.969	0.576	0.673	11.20	2.80	96.63*	10885	5938	4.381	7.684	-1.214	0.777	3.278	0.863	37.2
800S200-118	0.1242	33	1.531	5.21	13.316	3.329	2.949	0.665	0.659	13.32	3.33	79.78*	11341	4971	7.872	8.981	-1.188	0.764	3.247	0.866	44.6
800S200-118	0.1242	50	1.531	5.21	13.316	3.329	2.949	0.665	0.659	13.32	3.33	117.95*	16235	7115	7.872	8.981	-1.188	0.764	3.247	0.866	36.5
800S250-43 ¹	0.0451	33	0.627	2.13	6.015	1.504	3.097	0.500	0.893	6.02	1.31	25.95	1051	1051	0.425	6.374	-1.675	1.043	3.632	0.787	61.5
800S250-54	0.0566	33	0.783	2.66	7.465	1.866	3.088	0.614	0.886	7.47	1.71	33.82	2091	2091	0.836	7.850	-1.661	1.036	3.617	0.789	61.4
800S250-54	0.0566	50	0.783	2.66	7.465	1.866	3.088	0.614	0												

Section Properties

Structural (S) Stud Section Properties

Member	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties					Torsional					Lu (in)		
			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 _{xe} (in ⁴)	S _{xe} (in ³)	M _a (in-k)	V _{ag} (lb)	V _{anet} (lb)	J x 1000 (in ⁴)	C _w (in ⁸)	X _o (in)	m (in)	R _o (in)	β	
1000S162-118	0.1242	50	1.655	5.63	20.169	4.034	3.491	0.363	0.468	20.17	4.03	120.77	16235	9536	8.511	7.924	-0.746	0.502	3.600	0.957	29.9
1000S200-43 ¹	0.0451	33	0.672	2.29	9.085	1.817	3.676	0.309	0.677	8.60	1.47	29.05	836	836	0.456	6.236	-1.147	0.743	3.910	0.914	49.3
1000S200-54	0.0566	33	0.839	2.86	11.278	2.256	3.666	0.378	0.671	10.95	1.98	39.20	1661	1661	0.896	7.665	-1.135	0.737	3.896	0.915	49.1
1000S200-54	0.0566	50	0.839	2.86	11.278	2.256	3.666	0.378	0.671	10.77	1.71	51.05	1661	1661	0.896	7.665	-1.135	0.737	3.896	0.915	39.8
1000S200-68	0.0713	33	1.050	3.57	13.994	2.799	3.652	0.460	0.662	13.92	2.61	51.51	3345	3345	1.779	9.401	-1.120	0.729	3.876	0.917	48.8
1000S200-68	0.0713	50	1.050	3.57	13.994	2.799	3.652	0.460	0.662	13.67	2.42	72.46	3345	3345	1.779	9.401	-1.120	0.729	3.876	0.917	39.6
1000S200-97	0.1017	33	1.474	5.02	19.336	3.867	3.622	0.609	0.643	19.34	3.87	76.42	8843	6434	5.082	12.679	-1.088	0.711	3.836	0.920	39.0
1000S200-97	0.1017	50	1.474	5.02	19.336	3.867	3.622	0.609	0.643	19.34	3.74	112.00	9864	7177	5.082	12.679	-1.088	0.711	3.836	0.920	39.0
1000S200-118	0.1242	33	1.779	6.05	23.052	4.610	3.599	0.703	0.629	23.05	4.61	110.50 ¹	13189	7747	9.149	14.848	-1.064	0.699	3.805	0.922	43.3
1000S200-118	0.1242	50	1.779	6.05	23.052	4.610	3.599	0.703	0.629	23.05	4.61	138.04	16235	9536	9.149	14.848	-1.064	0.699	3.805	0.922	38.7
1000S250-43 ¹	0.0451	33	0.717	2.44	10.203	2.401	3.771	0.531	0.860	10.20	1.62	31.95	836	836	0.486	10.481	-1.518	0.965	4.155	0.867	60.7
1000S250-54	0.0566	33	0.896	3.05	12.677	2.535	3.762	0.653	0.854	12.68	2.28	44.99	1661	1661	0.957	12.922	-1.505	0.958	4.140	0.868	60.5
1000S250-54	0.0566	50	0.896	3.05	12.677	2.535	3.762	0.653	0.854	12.66	1.88	56.26	1661	1661	0.957	12.922	-1.505	0.958	4.140	0.868	49.1
1000S250-68	0.0713	33	1.121	3.81	15.751	3.150	3.749	0.799	0.844	15.75	3.03	65.93 ¹	3345	3345	1.899	15.909	-1.488	0.950	4.121	0.870	57.3
1000S250-68	0.0713	50	1.121	3.81	15.751	3.150	3.749	0.799	0.844	15.74	2.77	82.89	3345	3345	1.899	15.909	-1.488	0.950	4.121	0.870	48.8
1000S250-97	0.1017	33	1.576	5.36	21.827	4.365	3.722	1.072	0.825	21.83	4.36	98.41 ¹	8843	6434	5.433	21.632	-1.454	0.932	4.080	0.873	55.8
1000S250-97	0.1017	50	1.576	5.36	21.827	4.365	3.722	1.072	0.825	21.83	4.18	140.63 ¹	9864	7177	5.433	21.632	-1.454	0.932	4.080	0.873	45.6
1000S250-118	0.1242	33	1.904	6.48	26.080	5.216	3.701	1.249	0.810	26.08	5.22	120.89 ¹	13189	7747	9.788	25.490	-1.428	0.918	4.049	0.876	54.7
1000S250-118	0.1242	50	1.904	6.48	26.080	5.216	3.701	1.249	0.810	26.08	5.08	174.84 ¹	16235	9536	9.788	25.490	-1.428	0.918	4.049	0.876	44.7
1000S300-54	0.0566	33	0.953	3.24	14.076	2.815	3.844	1.024	1.037	13.44	1.90	56.96	1661	1661	1.017	19.888	-1.892	1.185	4.408	0.816	71.5
1000S300-54	0.0566	50	0.953	3.24	14.076	2.815	3.844	1.024	1.037	13.44	1.90	56.96	1661	1661	1.017	19.888	-1.892	1.185	4.408	0.816	58.1
1000S300-68	0.0713	33	1.192	4.06	17.509	3.502	3.832	1.258	1.027	17.44	3.16	62.41	3345	3345	2.020	24.551	-1.874	1.176	4.388	0.818	71.3
1000S300-68	0.0713	50	1.192	4.06	17.509	3.502	3.832	1.258	1.027	17.10	2.80	83.89	3345	3345	2.020	24.551	-1.874	1.176	4.388	0.818	57.8
1000S300-97	0.1017	33	1.677	5.71	24.318	4.864	3.808	1.702	1.007	23.97	4.50	134.69	9864	7177	5.783	33.570	-1.838	1.158	4.346	0.821	57.4
1000S300-97	0.1017	50	1.677	5.71	24.318	4.864	3.808	1.702	1.007	23.97	4.50	166.1	1661	1661	1.017	19.888	-1.892	1.185	4.408	0.816	71.5
1000S300-118	0.1242	33	2.028	6.90	29.109	5.822	3.789	1.997	0.992	29.11	5.66	128.16 ¹	13189	7747	10.427	39.725	-1.811	1.144	4.315	0.824	65.8
1000S300-118	0.1242	50	2.028	6.90	29.109	5.822	3.789	1.997	0.992	28.86	5.59	188.23 ¹	16235	9536	10.427	39.725	-1.811	1.144	4.315	0.824	53.8
1000S350-54	0.0566	33	1.052	3.58	16.220	3.244	3.927	1.768	1.297	15.94	2.77	54.77	1661	1661	1.123	36.575	-2.546	1.566	4.857	0.725	89.0
1000S350-54	0.0566	50	1.052	3.58	16.220	3.244	3.927	1.768	1.297	15.58	2.33	69.69	1661	1661	1.123	36.575	-2.546	1.566	4.857	0.725	72.2
1000S350-68	0.0713	33	1.317	4.48	20.204	4.041	3.917	2.185	1.288	20.20	3.82	75.57	3345	3345	2.232	45.277	-2.529	1.557	4.837	0.727	88.7
1000S350-68	0.0713	50	1.317	4.48	20.204	4.041	3.917	2.185	1.288	20.03	3.42	102.32	3345	3345	2.232	45.277	-2.529	1.557	4.837	0.727	72.0
1000S350-97	0.1017	33	1.855	6.31	28.148	5.630	3.895	2.992	1.270	28.15	5.52	120.33 ¹	8843	6434	6.397	62.280	-2.492	1.538	4.795	0.730	84.1
1000S350-97	0.1017	50	1.855	6.31	28.148	5.630	3.895	2.992	1.270	28.15	5.12	153.82	9864	7177	6.397	62.280	-2.492	1.538	4.795	0.730	71.6
1000S350-118	0.1242	33	2.245	7.64	33.772	6.754	3.787	3.543	1.256	33.77	6.75	150.23 ¹	13189	7747	11.544	74.030	-2.465	1.524	4.764	0.732	83.1
1000S350-118	0.1242	50	2.245	7.64	33.772	6.754	3.787	3.543	1.256	33.77	6.43	213.25 ¹	16235	9536	11.544	74.030	-2.465	1.524	4.764	0.732	67.8
1200S162-54 ¹	0.0566	33	0.896	3.05	15.730	2.622	4.190	0.212	0.486	14.74	2.11	41.68	1377	1377	0.957	6.340	-0.732	0.493	4.281	0.971	37.5
1200S162-54 ¹	0.0566	50	0.896	3.05	15.730	2.622	4.190	0.212	0.486	14.30	1.91	57.31	1377	1377	0.957	6.340	-0.732	0.493	4.281	0.971	30.5
1200S162-68	0.0713	33	1.121	3.81	19.518	3.253	4.173	0.255	0.477	18.96	2.82	55.66	2771	2771	1.899	7.739	-0.719	0.485	4.261	0.972	37.2
1200S162-68	0.0713	50	1.121	3.81	19.518	3.253	4.173	0.255	0.477	18.39	2.65	79.19	2771	2771	1.899	7.739	-0.719	0.485	4.261	0.972	30.2
1200S162-97	0.1017	33	1.576	5.36	26.966	4.494	4.137	0.331	0.459	26.97	4.33	85.51	8147	7411	5.433	10.331	-0.691	0.470	4.219	0.973	36.4
1200S162-97	0.1017	50	1.576	5.36	26.966	4.494	4.137	0.331	0.459	26.74	4.09	122.49	8147	7411	5.433	10.331	-0.691	0.470	4.219	0.973	29.5
1200S162-118	0.1242	33	1.904	6.48	32.145	5.357	4.109	0.376	0.444	32.15	5.36	105.87	13189	9714	9.788	12.002	-0.670	0.459	4.187	0.974	35.8
1200S162-118	0.1242	50	1.904	6.48	32.145	5.357	4.109	0.376	0.444	32.15	5.17	154.74	14986	11037	9.788	12.002	-0.670	0.459	4.187	0.974	29.0
1200S200-54 ¹	0.0566	33	0.953	3.24	17.662	2.944	4.306	0.393	0.643	16.68	2.43	47.93	1377	1377	1.017	11.550	-1.032	0.681	4.474	0.947	36.4
1200S200-54 ¹	0.0566	50	0.953	3.24	17.662	2.944	4.306	0.393	0.												

Section Properties

Structural (S) Stud Section Properties

Member	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties					Torsional					Lu (in)		
			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 _{xe} (in ⁴)	S _{xe} (in ³)	M _a (in-k)	V _{ag} (lb)	V _{anet} (lb)	J x 1000 (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β	
1200S350-97	0.1017	33	2.059	7.01	43.269	7.211	4.584	3.159	1.239	43.27	7.07	154.22*	8147	7411	7.098	92.672	-2.310	1.450	5.281	0.809	83.1
1200S350-97	0.1017	50	2.059	7.01	43.269	7.211	4.584	3.159	1.239	43.27	6.59	197.31	8147	7411	7.098	92.672	-2.310	1.450	5.281	0.809	70.8
1400S162-54*	0.0566	33	1.009	3.43	23.302	3.329	4.805	0.218	0.464	21.10	2.50	49.32	1177	1177	1.078	8.980	-0.667	0.454	4.873	0.981	36.6
1400S162-54*	0.0566	50	1.009	3.43	23.302	3.329	4.805	0.218	0.464	20.37	2.26	67.54	1177	1177	1.078	8.980	-0.667	0.454	4.873	0.981	29.7
1400S162-68	0.0713	33	1.263	4.30	28.952	4.136	4.787	0.262	0.456	27.36	3.36	66.33	2365	2365	2.141	10.966	-0.654	0.447	4.853	0.982	36.2
1400S162-68	0.0713	50	1.263	4.30	28.952	4.136	4.787	0.262	0.456	26.38	3.14	93.85	2365	2365	2.141	10.966	-0.654	0.447	4.853	0.982	29.4
1400S162-97	0.1017	33	1.779	6.05	40.115	5.731	4.748	0.340	0.437	39.97	5.25	103.71	6939	6939	6.134	14.651	-0.628	0.433	4.810	0.983	35.3
1400S162-97	0.1017	50	1.779	6.05	40.115	5.731	4.748	0.340	0.437	38.90	4.92	147.14	6939	6939	6.134	14.651	-0.628	0.433	4.810	0.983	28.7
1400S162-118	0.1242	33	2.152	7.32	47.928	6.847	4.719	0.385	0.423	47.93	6.66	131.59	12745	11287	11.065	17.032	-0.609	0.422	4.777	0.984	34.7
1400S162-118	0.1242	50	2.152	7.32	47.928	6.847	4.719	0.385	0.423	47.77	6.28	188.07	12745	11287	11.065	17.032	-0.609	0.422	4.777	0.984	28.1
1400S200-54*	0.0566	33	1.066	3.63	25.951	3.707	4.935	0.406	0.617	23.77	2.87	56.63	1177	1177	1.138	16.355	-0.946	0.633	5.062	0.965	47.0
1400S200-54*	0.0566	50	1.066	3.63	25.951	3.707	4.935	0.406	0.617	23.20	2.44	73.05	1177	1177	1.138	16.355	-0.946	0.633	5.062	0.965	38.2
1400S200-68	0.0713	33	1.335	4.54	32.284	4.612	4.918	0.494	0.608	30.68	3.82	75.56	2365	2365	2.262	20.083	-0.932	0.625	5.043	0.966	46.7
1400S200-68	0.0713	50	1.335	4.54	32.284	4.612	4.918	0.494	0.608	29.80	3.51	104.93	2365	2365	2.262	20.083	-0.932	0.625	5.043	0.966	37.9
1400S200-97	0.1017	33	1.881	6.40	44.853	6.408	4.883	0.655	0.590	44.68	5.92	116.93	6939	6939	6.484	27.156	-0.904	0.609	5.001	0.967	45.9
1400S200-97	0.1017	50	1.881	6.40	44.853	6.408	4.883	0.655	0.590	43.62	5.58	167.07	6939	6939	6.484	27.156	-0.904	0.609	5.001	0.967	37.3
1400S200-118	0.1242	33	2.276	7.75	53.698	7.671	4.857	0.755	0.576	53.70	7.48	147.81	12745	11287	11.704	31.861	-0.883	0.598	4.970	0.968	45.4
1400S200-118	0.1242	50	2.276	7.75	53.698	7.671	4.857	0.755	0.576	53.52	7.10	212.47	12745	11287	11.704	31.861	-0.883	0.598	4.970	0.968	36.8
1400S250-54*	0.0566	33	1.122	3.82	28.702	4.100	5.057	0.707	0.794	26.76	2.93	57.83	1177	1177	1.198	27.675	-1.272	0.835	5.275	0.942	58.6
1400S250-54*	0.0566	50	1.122	3.82	28.702	4.100	5.057	0.707	0.794	26.14	2.53	75.65	1177	1177	1.198	27.675	-1.272	0.835	5.275	0.942	47.6
1400S250-68	0.0713	33	1.406	4.78	35.743	5.106	5.042	0.865	0.784	34.24	4.15	81.90	2365	2365	2.383	34.118	-1.257	0.827	5.255	0.943	58.2
1400S250-68	0.0713	50	1.406	4.78	35.743	5.106	5.042	0.865	0.784	33.57	3.55	106.29	2365	2365	2.383	34.118	-1.257	0.827	5.255	0.943	47.3
1400S250-97	0.1017	33	1.983	6.75	49.764	7.109	5.010	1.160	0.765	49.58	6.61	130.64	6939	6939	6.835	46.520	-1.225	0.811	5.214	0.945	57.6
1400S250-97	0.1017	50	1.983	6.75	49.764	7.109	5.010	1.160	0.765	48.65	6.01	179.95	6939	6939	6.835	46.520	-1.225	0.811	5.214	0.945	46.7
1400S250-118	0.1242	33	2.400	8.17	59.676	8.525	4.986	1.352	0.750	59.68	8.33	164.61	12745	11287	12.342	54.927	-1.203	0.798	5.184	0.946	57.0
1400S250-118	0.1242	50	2.400	8.17	59.676	8.525	4.986	1.352	0.750	59.50	7.88	235.94	12745	11287	12.342	54.927	-1.203	0.798	5.184	0.946	46.2
1400S300-54*	0.0566	33	1.179	4.01	31.453	4.493	5.165	1.115	0.972	29.58	3.02	59.66	1177	1177	1.259	42.690	-1.617	1.046	5.499	0.914	69.9
1400S300-54*	0.0566	50	1.179	4.01	31.453	4.493	5.165	1.115	0.972	27.23	2.58	77.25	1177	1177	1.259	42.690	-1.617	1.046	5.499	0.914	56.8
1400S300-68	0.0713	33	1.477	5.03	39.201	5.600	5.151	1.370	0.963	37.90	4.24	83.71	2365	2365	2.503	52.772	-1.601	1.038	5.480	0.915	69.6
1400S300-68	0.0713	50	1.477	5.03	39.201	5.600	5.151	1.370	0.963	36.29	3.66	109.42	2365	2365	2.503	52.772	-1.601	1.038	5.480	0.915	56.5
1400S300-97	0.1017	33	2.084	7.09	54.675	7.811	5.122	1.854	0.943	54.57	7.04	139.02	6939	6939	7.186	72.365	-1.568	1.020	5.439	0.917	55.9
1400S300-97	0.1017	50	2.084	7.09	54.675	7.811	5.122	1.854	0.943	53.23	6.37	190.78	6939	6939	7.186	72.365	-1.568	1.020	5.439	0.917	55.9
1400S300-118	0.1242	33	2.525	8.59	65.655	9.379	5.100	2.174	0.928	65.66	9.05	178.75	12745	11287	12.981	85.812	-1.544	1.008	5.408	0.919	68.5
1400S300-118	0.1242	50	2.525	8.59	65.655	9.379	5.100	2.174	0.928	65.57	8.43	252.29	12745	11287	12.981	85.812	-1.544	1.008	5.408	0.919	55.5
1400S350-54*	0.0566	33	1.278	4.35	35.830	5.119	5.295	1.947	1.234	35.66	3.25	97.27	1177	1177	1.365	76.252	-2.207	1.400	5.868	0.859	87.0
1400S350-54*	0.0566	50	1.278	4.35	35.830	5.119	5.295	1.947	1.234	33.31	3.25	97.27	1177	1177	1.365	76.252	-2.207	1.400	5.868	0.859	70.7
1400S350-68	0.0713	33	1.602	5.45	44.707	6.387	5.283	2.406	1.226	44.71	5.70	112.64	2365	2365	2.715	94.534	-2.190	1.391	5.848	0.860	86.8
1400S350-68	0.0713	50	1.602	5.45	44.707	6.387	5.283	2.406	1.226	44.71	4.71	141.00	2365	2365	2.715	94.534	-2.190	1.391	5.848	0.860	70.5
1400S350-97	0.1017	33	2.262	7.70	62.507	8.930	5.257	3.296	1.207	62.51	8.76	191.08*	6939	6939	7.799	130.430	-2.156	1.373	5.808	0.862	82.0
1400S350-97	0.1017	50	2.262	7.70	62.507	8.930	5.257	3.296	1.207	62.51	8.19	245.18	6939	6939	7.799	130.430	-2.156	1.373	5.808	0.862	70.0
1400S350-118	0.1242	33	2.742	9.33	75.200	10.743	5.237	3.903	1.193	75.20	10.26	230.44*	12745	11287	14.099	155.387	-2.130	1.360	5.778	0.864	80.9
1400S350-118	0.1242	50	2.742	9.33	75.200	10.743	5.237	3.903	1.193	75.20	10.26	340.44*	12745	11287	14.099	155.387	-2.130	1.360	5.778	0.864	66.1
1600S162-68*	0.0713	33	1.406	4.78	40.913	5.114	5.394	0.268	0.436	37.53	3.90	76.99	2062	2062	2.383	14.816	-0.601	0.415	5.445	0.988	35.2
1600S162-68*	0.0713	50	1.406	4.78	40.913	5.114	5.394	0.268	0.436	35.99	3.62	108.49	2062	2062	2.383	14.816	-0.601	0.415	5.445	0.988	28.6
1600S162-97	0.1017	33	1.983	6.75	56.824	7.103	5.354	0.347	0.418	55.56	6.17	121.97	6043</								

Section Properties

(T) Track Section Properties

Member	Design Thickness (in)	Gross						Effective 33ksi				Effective 50ksi				Torsional						
		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 _{ag} (lb)	I _x (in ⁴)	S _x (in ³)	M _a (in-k)	V _{ag} (lb)	J ^{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m	R _o (in)	β
162T125-18	0.0188	0.077	0.26	0.041	0.047	0.733	0.013	0.411	0.030	0.025	0.500	302				0.009	0.007	-0.878	0.503	1.215	0.478	
162T125-27	0.0283	0.117	0.40	0.063	0.072	0.735	0.020	0.410	0.050	0.044	0.870	541				0.031	0.010	-0.872	0.501	1.211	0.482	
162T125-30	0.0312	0.129	0.44	0.070	0.079	0.735	0.022	0.409	0.057	0.050	1.000	597				0.042	0.012	-0.870	0.500	1.210	0.483	
162T125-33	0.0346	0.143	0.49	0.077	0.087	0.736	0.024	0.408	0.066	0.058	1.150	663				0.057	0.013	-0.868	0.499	1.209	0.484	
250T125-18	0.0188	0.094	0.32	0.103	0.079	1.051	0.015	0.400	0.078	0.045	0.900	249				0.011	0.018	-0.769	0.460	1.362	0.681	
250T125-27	0.0283	0.141	0.48	0.157	0.119	1.053	0.022	0.398	0.129	0.079	1.560	685				0.038	0.027	-0.763	0.457	1.360	0.685	
250T125-30	0.0312	0.156	0.53	0.173	0.131	1.053	0.025	0.397	0.145	0.090	1.770	832				0.051	0.030	-0.762	0.456	1.359	0.686	
250T125-33	0.0346	0.173	0.59	0.192	0.145	1.054	0.027	0.397	0.166	0.103	2.030	1024				0.069	0.033	-0.760	0.456	1.358	0.687	
250T125-43	0.0451	0.225	0.77	0.250	0.188	1.055	0.035	0.395	0.231	0.147	2.910	1356				0.153	0.042	-0.755	0.453	1.356	0.690	
250T125-54	0.0566	0.282	0.96	0.318	0.236	1.062	0.043	0.392	0.310	0.203	4.010	1692	0.297	0.188	5.640	2563	0.301	0.054	-0.749	0.449	1.357	0.696
250T125-68	0.0713	0.355	1.21	0.408	0.297	1.072	0.054	0.389	0.408	0.281	5.560	2111	0.402	0.262	7.850	3199	0.602	0.069	-0.740	0.444	1.360	0.704
250T150-27	0.0283	0.156	0.53	0.181	0.137	1.078	0.037	0.486	0.139	0.082	1.610	685				0.042	0.044	-0.976	0.575	1.534	0.595	
250T150-30	0.0312	0.172	0.58	0.199	0.151	1.078	0.040	0.486	0.157	0.093	1.830	832				0.056	0.049	-0.975	0.574	1.533	0.595	
250T150-33	0.0346	0.190	0.65	0.221	0.167	1.079	0.045	0.485	0.179	0.107	2.110	1024				0.076	0.054	-0.973	0.573	1.532	0.596	
250T150-43	0.0451	0.248	0.84	0.289	0.217	1.080	0.058	0.483	0.252	0.154	3.030	1356				0.168	0.070	-0.968	0.570	1.529	0.599	
250T150-54	0.0566	0.311	1.06	0.368	0.273	1.088	0.072	0.481	0.342	0.213	4.220	1692	0.325	0.197	5.890	2563	0.332	0.089	-0.961	0.566	1.529	0.605
250T150-68	0.0713	0.391	1.33	0.472	0.344	1.099	0.089	0.478	0.465	0.299	5.920	2111	0.445	0.276	8.270	3199	0.663	0.114	-0.953	0.561	1.531	0.613
250T200-33	0.0346	0.225	0.76	0.280	0.212	1.117	0.097	0.658	0.203	0.112	2.220	1024				0.090	0.118	-1.418	0.813	1.921	0.455	
250T200-43	0.0451	0.293	1.00	0.366	0.275	1.118	0.126	0.657	0.288	0.163	3.210	1356				0.198	0.153	-1.413	0.810	1.918	0.457	
250T200-54	0.0566	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.396	0.228	4.510	1692	0.371	0.209	6.250	2563	0.392	0.195	-1.405	0.806	1.917	0.462
250T200-68	0.0713	0.462	1.57	0.600	0.437	1.139	0.196	0.652	0.548	0.324	6.410	2111	0.517	0.296	8.860	3199	0.783	0.251	-1.396	0.800	1.916	0.469
350T125-18	0.0188	0.113	0.38	0.219	0.121	1.394	0.016	0.383	0.174	0.063	1.250	175				0.013	0.038	-0.675	0.418	1.595	0.821	
350T125-27	0.0283	0.170	0.58	0.331	0.182	1.396	0.025	0.381	0.277	0.128	2.530	590				0.045	0.057	-0.670	0.416	1.595	0.823	
350T125-30	0.0312	0.187	0.64	0.365	0.200	1.396	0.027	0.380	0.312	0.145	2.860	790				0.061	0.063	-0.669	0.415	1.594	0.824	
350T125-33	0.0346	0.207	0.71	0.405	0.222	1.397	0.030	0.379	0.354	0.165	3.270	1024				0.083	0.070	-0.668	0.414	1.594	0.824	
350T125-43	0.0451	0.270	0.92	0.528	0.288	1.397	0.038	0.377	0.490	0.233	4.610	1739				0.183	0.090	-0.663	0.412	1.592	0.826	
350T125-54	0.0566	0.339	1.15	0.668	0.361	1.404	0.048	0.375	0.651	0.317	6.260	2392	0.626	0.297	8.890	3372	0.362	0.114	-0.658	0.408	1.595	0.830
350T125-68	0.0713	0.427	1.45	0.851	0.454	1.412	0.059	0.372	0.851	0.433	8.550	2994	0.839	0.407	12.180	4536	0.723	0.144	-0.650	0.403	1.599	0.835
350T150-27	0.0283	0.184	0.63	0.377	0.207	1.431	0.041	0.470	0.298	0.132	2.620	590				0.049	0.094	-0.869	0.529	1.739	0.750	
350T150-30	0.0312	0.203	0.69	0.416	0.228	1.432	0.045	0.469	0.336	0.150	2.960	790				0.066	0.103	-0.867	0.528	1.739	0.751	
350T150-33	0.0346	0.225	0.76	0.461	0.253	1.432	0.049	0.469	0.382	0.171	3.390	1024				0.090	0.114	-0.866	0.527	1.738	0.752	
350T150-43	0.0451	0.293	1.00	0.601	0.328	1.433	0.064	0.467	0.531	0.243	4.800	1739				0.198	0.148	-0.861	0.525	1.736	0.754	
350T150-54	0.0566	0.367	1.25	0.761	0.412	1.440	0.079	0.465	0.712	0.332	6.570	2392	0.679	0.310	9.280	3372	0.392	0.187	-0.855	0.521	1.738	0.758
350T150-68	0.0713	0.462	1.57	0.972	0.518	1.450	0.099	0.462	0.957	0.459	9.070	2994	0.919	0.428	12.810	4536	0.783	0.238	-0.847	0.516	1.741	0.763
350T200-33	0.0346	0.259	0.88	0.574	0.315	1.487	0.108	0.647	0.428	0.181	3.570	1024				0.103	0.249	-1.285	0.761	2.069	0.614	
350T200-43	0.0451	0.338	1.15	0.749	0.409	1.489	0.140	0.645	0.600	0.257	5.090	1739				0.229	0.323	-1.280	0.758	2.066	0.616	
350T200-54	0.0566	0.424	1.44	0.949	0.513	1.496	0.175	0.642	0.814	0.355	7.010	2392	0.770	0.329	9.850	3372	0.453	0.409	-1.273	0.754	2.067	0.621
350T200-68	0.0713	0.534	1.82	1.213	0.647	1.508	0.218	0.639	1.112	0.496	9.800	2994	1.054	0.458	13.710	4536	0.904	0.522	-1.264	0.749	2.069	0.626
362T125-18	0.0188	0.115	0.39	0.237	0.126	1.435	0.017	0.380	0.189	0.065	1.290	169				0.014	0.042	-0.665	0.413	1.627	0.833	
362T125-27	0.0283	0.173	0.59	0.358	0.191	1.438	0.025	0.378	0.301	0.135	2.660	569				0.046	0.062	-0.661	0.411	1.627	0.835	
362T125-30	0.0312	0.191	0.65	0.395	0.210	1.438	0.027	0.378	0.339	0.152	3.010	762				0.062	0.068	-0.659	0.410	1.626	0.836	
362T125-33	0.0346	0.212	0.72	0.438	0.232	1.438	0.030	0.377	0.384	0.174	3.440	1024				0.085	0.076	-0.658	0.409	1.626	0.836	
362T125-43	0.0451	0.276	0.94	0.571	0.302	1.439	0.039	0.375	0.531	0.245	4.840	1739				0.187	0.098	-0.654	0.407	1.625	0.838	
362T125-54	0.0566	0.346	1.18	0.723	0.378	1.445	0.048	0.373	0.705	0.332	6.570	2480	0.678	0.312	9.340	3372	0.369	0.123	-0.648	0.404	1.627	0.841
362T125-68	0.0713	0.436	1.48	0.921	0.475	1.454	0.060	0.370	0.921	0.453	8.950	3104	0.907	0.427	12.780	4703	0.738	0.156	-0.641	0.399	1.631	0.846
362T150-27	0.0283	0.187	0.64	0.408	0.217	1.475	0.041	0.468	0.323	0.140	2.760	569				0.050</td						

Section Properties

(T) Track Section Properties

Member	Design Thickness (in)	Gross						Effective 33ksi				Effective 50ksi				Torsional						
		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 _{ag} (lb)	I _x (in ⁴)	S _x (in ³)	M _a (in-k)	V _{ag} (lb)	J _{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
400T150-68	0.0713	0.498	1.69	1.306	0.615	1.619	0.102	0.453	1.286	0.548	10,820	3435	1.237	0.513	15,350	5205	0.844	0.320	-0.804	0.496	1.864	0.814
400T200-33	0.0346	0.277	0.94	0.768	0.371	1.666	0.113	0.639	0.581	0.220	4,340	940					0.110	0.336	-1.229	0.737	2.166	0.678
400T200-43	0.0451	0.360	1.23	1.002	0.482	1.668	0.146	0.637	0.811	0.311	6,140	1739					0.244	0.436	-1.224	0.734	2.164	0.680
400T200-54	0.0566	0.452	1.54	1.268	0.604	1.675	0.182	0.635	1.093	0.426	8,420	2739	1.037	0.397	11,880	3372	0.483	0.551	-1.217	0.730	2.165	0.684
400T200-68	0.0713	0.569	1.94	1.617	0.761	1.685	0.227	0.632	1.485	0.591	11,680	3435	1.412	0.549	16,420	5205	0.965	0.702	-1.209	0.725	2.168	0.689
550T125-27	0.0283	0.226	0.77	0.948	0.336	2.046	0.027	0.348	0.786	0.192	3,790	372					0.060	0.160	-0.543	0.352	2.145	0.936
550T125-30	0.0312	0.250	0.85	1.045	0.370	2.046	0.030	0.347	0.897	0.226	4,470	499					0.081	0.176	-0.542	0.351	2.145	0.936
550T125-33	0.0346	0.277	0.94	1.159	0.410	2.046	0.033	0.346	1.029	0.270	5,330	680					0.110	0.195	-0.541	0.350	2.145	0.936
550T125-43	0.0451	0.360	1.23	1.510	0.533	2.047	0.043	0.344	1.428	0.416	8,230	1504					0.244	0.252	-0.537	0.348	2.144	0.937
550T125-54	0.0566	0.452	1.54	1.903	0.668	2.052	0.053	0.342	1.862	0.597	11,800	2739	1.811	0.535	16,010	2980	0.483	0.315	-0.532	0.345	2.147	0.939
550T125-68	0.0713	0.569	1.94	2.412	0.839	2.058	0.066	0.339	2.412	0.807	15,950	4347	2.379	0.769	23,020	5350	0.965	0.397	-0.526	0.341	2.152	0.940
550T150-27	0.0283	0.241	0.82	1.059	0.376	2.098	0.046	0.436	0.893	0.207	4,100	372					0.064	0.263	-0.716	0.456	2.259	0.900
550T150-30	0.0312	0.265	0.90	1.168	0.414	2.098	0.050	0.435	0.995	0.251	4,960	499					0.086	0.289	-0.715	0.455	2.259	0.900
550T150-33	0.0346	0.294	1.00	1.295	0.459	2.099	0.055	0.434	1.115	0.310	6,120	680					0.117	0.320	-0.714	0.455	2.259	0.900
550T150-43	0.0451	0.383	1.30	1.688	0.596	2.099	0.072	0.432	1.516	0.468	9,250	1504					0.260	0.414	-0.709	0.452	2.258	0.901
550T150-54	0.0566	0.480	1.63	2.128	0.747	2.105	0.089	0.430	2.005	0.628	12,410	2739	1.928	0.595	17,810	2980	0.513	0.519	-0.704	0.449	2.261	0.903
550T150-68	0.0713	0.605	2.06	2.699	0.939	2.112	0.110	0.427	2.660	0.850	16,800	4347	2.569	0.804	24,070	5350	1.025	0.655	-0.698	0.445	2.265	0.905
550T200-33	0.0346	0.329	1.12	1.567	0.555	2.184	0.123	0.613	1.246	0.307	6,060	680					0.131	0.694	-1.088	0.674	2.516	0.813
550T200-43	0.0451	0.428	1.46	2.043	0.722	2.185	0.160	0.611	1.690	0.495	9,790	1504					0.290	0.900	-1.083	0.671	2.514	0.814
550T200-54	0.0566	0.537	1.83	2.578	0.905	2.191	0.199	0.609	2.253	0.669	13,210	2739	2.153	0.630	18,860	2980	0.573	1.133	-1.077	0.668	2.517	0.817
550T200-68	0.0713	0.676	2.30	3.274	1.139	2.200	0.248	0.606	3.027	0.914	18,060	4347	2.894	0.857	25,670	5350	1.146	1.434	-1.070	0.663	2.521	0.820
600T125-27 ¹	0.0283	0.241	0.82	1.168	0.381	2.204	0.028	0.340	0.958	0.210	4,160	341					0.064	0.196	-0.519	0.339	2.290	0.949
600T125-30	0.0312	0.265	0.90	1.288	0.419	2.204	0.031	0.340	1.095	0.249	4,920	456					0.086	0.215	-0.518	0.338	2.289	0.949
600T125-33	0.0346	0.294	1.00	1.428	0.465	2.204	0.034	0.339	1.258	0.297	5,870	622					0.117	0.238	-0.516	0.337	2.289	0.949
600T125-43	0.0451	0.383	1.30	1.861	0.604	2.205	0.044	0.337	1.768	0.461	9,110	1377					0.260	0.307	-0.513	0.335	2.288	0.950
600T125-54	0.0566	0.480	1.63	2.344	0.756	2.209	0.054	0.335	2.299	0.666	13,150	2728	2,241	0.592	17,730	2728	0.513	0.384	-0.508	0.332	2.291	0.951
600T125-68	0.0713	0.605	2.06	2.969	0.950	2.215	0.067	0.332	2.969	0.916	18,090	4347	2,934	0.858	25,690	5350	1.025	0.483	-0.503	0.329	2.296	0.952
600T125-97	0.1017	0.862	2.93	4.281	1.347	2.228	0.092	0.326	4,281	1.347	30,43*	7359	4,281	1.347	40,330	10885	2.973	0.685	-0.491	0.321	3.205	0.955
600T150-27 ¹	0.0283	0.255	0.87	1.300	0.424	2.260	0.047	0.427	1,011	0.214	4,230	341					0.068	0.320	-0.686	0.441	2.400	0.918
600T150-30	0.0312	0.281	0.96	1.434	0.467	2.260	0.051	0.427	1,159	0.253	5,010	456					0.091	0.352	-0.685	0.440	2.400	0.918
600T150-33	0.0346	0.311	1.06	1.590	0.517	2.260	0.057	0.426	1,334	0.303	5,990	622					0.124	0.390	-0.684	0.439	2.399	0.919
600T150-43	0.0451	0.405	1.38	2.072	0.673	2.261	0.073	0.424	1,890	0.474	9,360	1377					0.275	0.504	-0.680	0.437	2.398	0.920
600T150-54	0.0566	0.509	1.73	2.611	0.843	2.266	0.091	0.422	2,473	0.689	13,620	2728	2,400	0.609	18,240	2728	0.543	0.632	-0.675	0.434	2.401	0.921
600T150-68	0.0713	0.613	2.18	3.309	1.059	2.273	0.113	0.419	3,262	0.963	19,030	4347	3,162	0.891	26,680	5350	1.086	0.797	-0.669	0.430	2.406	0.923
600T150-97	0.1017	0.913	3.11	4.778	1.504	2.288	0.156	0.413	4,778	1.504	29,710	7359	4,778	1.444	43,230	10885	3.148	1.138	-0.656	0.421	2.415	0.926
600T200-33	0.0346	0.346	1.29	3.180	0.781	2.891	0.060	0.397	2,569	0.414	8,180	465					0.138	0.847	-1.048	0.655	2.645	0.843
600T200-43	0.0451	0.451	1.53	2.494	0.809	2.353	0.163	0.602	2,076	0.565	11,160	1377					0.305	1.098	-1.044	0.652	2.643	0.844
600T200-54	0.0566	0.565	1.92	3.145	1.015	2.359	0.203	0.600	2,759	0.759	15,000	2728	2,641	0.717	21,480	2728	0.604	1.381	-1.038	0.649	2.646	0.846
600T200-68	0.0713	0.712	2.42	3.990	1.277	2.367	0.254	0.597	3,696	1.034	20,420	4347	3,540	0.973	29,120	5350	1.206	1.746	-1.031	0.644	2.650	0.849
600T200-97	0.1017	1.015	3.45	5.773	1.816	2.385	0.354	0.591	5,758	1.667	32,950	7359	5,558	1.568	46,940	10885	3.499	2.510	-1.016	0.635	2.659	0.854
800T125-33 ¹	0.0346	0.363	1.24	2.895	0.711	2.824	0.036	0.313	2,441	0.407	8,030	465					0.145	0.456	-0.439	0.294	2.875	0.977
800T125-43	0.0451	0.473	1.61	3.773	0.924	2.824	0.046	0.311	3,484	0.640	12,650	1030					0.321	0.589	-0.436	0.292	2.874	0.977
800T125-54	0.0566	0.594	2.02	4.745	1.158	2.827	0.057	0.309	4,668	0.940	18,580	2039	4,426	0.824	24,660	2039	0.634	0.735	-0.432	0.289	2.877	0.977
800T125-68	0.0713	0.748	2.54	5.998	1.454	2.833	0.070	0.306	5,998	1.356	26,800	4087	5,956	1.216	36,390	4087	1.267	0.920	-0.427	0.286	2.881	0.978
800T125-97	0.1017	1.066	3.63	8,613	2,062	2,843	0.096	0.301	8,613	2,												

(T) Track Section Properties

Member	Design Thickness (in)	Gross						Effective 33ksi				Effective 50ksi				Torsional						
		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 _{ag} (lb)	I _x (in ⁴)	S _x (in ³)	M _a (in-k)	V _{ag} (lb)	J ^{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β
1200T125-54 ¹	0.0566	0.820	2.79	13.335	2.186	4.033	0.060	0.271	12.296	1.491	29.470	1354	11.460	1.286	38.510	1354	0.876	1.820	-0.333	0.230	4.055	0.993
1200T125-68	0.0713	1.033	3.51	16.826	2.747	4.036	0.074	0.268	16.246	2.206	43.600	2713	15.686	1.934	57.900	2713	1.750	2.270	-0.329	0.227	4.059	0.993
1200T125-97	0.1017	1.472	5.01	24.078	3.897	4.044	0.102	0.263	24.078	3.690	72.920	7902	23.751	3.442103.060	7902	5.076	3.171	-0.322	0.222	4.065	0.994	
1200T150-54 ¹	0.0566	0.848	2.89	14.378	2.357	4.117	0.103	0.348	12.962	1.530	30.230	1354	12.020	1.313	39.310	1354	0.906	3.033	-0.454	0.310	4.156	0.988
1200T150-68	0.0713	1.068	3.64	18.148	2.963	4.121	0.127	0.345	17.568	2.281	45.080	2713	16.566	1.987	59.480	2713	1.810	3.795	-0.450	0.307	4.160	0.988
1200T150-97	0.1017	1.523	5.18	25.987	4.206	4.130	0.176	0.340	25.987	3.996	78.970	7902	25.719	3.616108.270	7902	5.252	5.335	-0.441	0.301	4.168	0.989	
1200T200-54 ¹	0.0566	0.905	3.08	16.464	2.699	4.265	0.236	0.510	14.078	1.582	31.260	1354	12.962	1.350	40.410	1354	0.966	6.714	-0.730	0.487	4.357	0.972
1200T200-68	0.0713	1.140	3.88	20.791	3.395	4.271	0.294	0.508	19.277	2.383	47.090	2713	18.026	2.058	61.620	2713	1.931	8.431	-0.725	0.483	4.362	0.972
1200T200-97	0.1017	1.625	5.53	29.805	4.824	4.283	0.410	0.502	29.805	4.298	84.930	7902	28.959	3.819114.350	7902	5.602	11.945	-0.714	0.476	4.371	0.973	

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

See Section Properties Table Notes on page 6.

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

Style	Web Depth (inches)	18mil 0.0188	27mil 0.03	30mil 0.03	33mil 0.03	43mil 0.05	54mil 0.06	68mil 0.07	97mil 0.1	118mil 0.12
162S	1.63	75	50	45	41	31	24	18	11	8
250S	2.5	122	81	73	66	50	39	30	20	15
350S	3.5	175	116	105	95	72	57	44	29	23
362S	3.63	182	120	109	98	75	59	46	31	24
400S	4	202 ¹	134	121	109	84	66	51	34	27
550S	5.5	-	187	169	153	117	92	72	49	39
600S	6	-	204 ¹	185	167	128	101	79	54	43
800S	8	-	-	249 ¹	225 ¹	172	136	107	74	59
1000S	10	-	-	-	-	217 ¹	172	135	93	76
1200S	12	-	-	-	-	-	207 ¹	164	113	92
1400S	14	-	-	-	-	-	242 ¹	192	133	108
1600S	16	-	-	-	-	-	-	220 ¹	152	124

¹ h/t exceeds 200

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

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	1000S_43	217
600S_27	204	1200S_54	207
800S_30	249	1400S_54	242
800S_33	225	1600S_68	220

Limiting Wall Height Tables — Non-Composite

Interior Non-Structural Non-Composite Table Notes

1. 5 pounds per square foot (PSF), 7.5 PSF, and 10 PSF loads have NOT been reduced for strength or deflection checks: full lateral load is applied.
2. Limiting heights are based on continuous support of each flange over the full length of the stud.
3. Limiting heights are based on steel properties only (non-composite).
4. Web crippling check based on 1 inch end bearing. Where limiting heights are followed by "e", web stiffeners are required.

Interior Non-Structural Non-Composite

(S) Stud Member	Fy (ksi)	Spacing (in) o.c.	L/120	5 psf L/240	L/360	L/120	7.5 psf L/240	L/360	L/120	10 psf L/240	L/360
162S125-18	33	12	9' 0"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	6' 4"	6' 1"	5' 4"
162S125-18	33	16	7' 9"	6' 11"	6' 1"	6' 4"	6' 1"	5' 4"	5' 6"	5' 6"	4' 10"
162S125-18	33	24	6' 4"	6' 1"	5' 4"	5' 2"	5' 2"	4' 8"	4' 6"	4' 6"	4' 3"
162S125-27	33	12	11' 3"	8' 11"	7' 10"	9' 8"	7' 10"	6' 10"	8' 4"	7' 1"	6' 3"
162S125-27	33	16	10' 3"	8' 2"	7' 1"	8' 4"	7' 1"	6' 3"	7' 3"	6' 5"	5' 8"
162S125-27	33	24	8' 4"	7' 1"	6' 3"	6' 10"	6' 3"	5' 5"	5' 11"	5' 8"	4' 11"
162S125-30	33	12	11' 8"	9' 3"	8' 1"	10' 2"	8' 4"	7' 1"	8' 11"	7' 4"	6' 5"
162S125-30	33	16	10' 7"	8' 5"	7' 4"	8' 11"	7' 4"	6' 5"	7' 9"	6' 8"	5' 10"
162S125-30	33	24	8' 11"	7' 4"	6' 5"	7' 3"	6' 5"	5' 7"	6' 4"	5' 10"	5' 1"
162S125-33	33	12	12' 0"	9' 6"	8' 4"	10' 6"	8' 4"	7' 3"	9' 6"	7' 7"	6' 7"
162S125-33	33	16	10' 11"	8' 8"	7' 7"	9' 6"	7' 7"	6' 7"	8' 3"	6' 11"	6' 0"
162S125-33	33	24	9' 6"	7' 7"	6' 7"	7' 10"	6' 7"	5' 9"	6' 9"	6' 0"	5' 3"
250S125-18	33	12	12' 6"	10' 6"	9' 2"	10' 3"	9' 2"	8' 1"	8' 10"	8' 4"	7' 4"
250S125-18	33	16	10' 10"	9' 7"	8' 4"	8' 10"	8' 4"	7' 4"	7' 8"	7' 7"	6' 8"
250S125-18	33	24	8' 10"	8' 4"	7' 4"	7' 3" e	7' 3" e	6' 5"	6' 3" e	6' 3" e	5' 10" e
250S125-27	33	12	15' 7"	12' 4"	10' 10"	13' 1"	10' 10"	9' 5"	11' 4"	9' 10"	8' 7"
250S125-27	33	16	13' 10"	11' 3"	9' 10"	11' 4"	9' 10"	8' 7"	9' 10"	8' 11"	7' 10"
250S125-27	33	24	11' 4"	9' 10"	8' 7"	9' 3"	8' 7"	7' 6"	8' 0"	7' 10"	6' 10"
250S125-30	33	12	16' 1"	12' 9"	11' 2"	13' 11"	11' 2"	9' 9"	12' 0"	10' 2"	8' 10"
250S125-30	33	16	14' 7"	11' 7"	10' 2"	12' 0"	10' 2"	8' 10"	10' 5"	9' 2"	8' 1"
250S125-30	33	24	12' 0"	10' 2"	8' 10"	9' 10"	8' 10"	7' 9"	8' 6"	8' 1"	7' 0"
250S125-33	33	12	16' 7"	13' 2"	11' 6"	14' 6"	11' 6"	10' 1"	12' 10"	10' 6"	9' 2"
250S125-33	33	16	15' 1"	12' 0"	10' 6"	12' 10"	10' 6"	9' 2"	11' 2"	9' 6"	8' 4"
250S125-33	33	24	12' 10"	10' 6"	9' 2"	10' 6"	9' 2"	8' 0"	9' 1"	8' 4"	7' 3"
250S125-43	33	12	18' 1"	14' 4"	12' 6"	15' 10"	12' 6"	10' 11"	14' 4"	11' 5"	9' 11"
250S125-43	33	16	16' 5"	13' 0"	11' 5"	14' 4"	11' 5"	9' 11"	13' 0"	10' 4"	9' 0"
250S125-43	33	24	14' 4"	11' 5"	9' 11"	12' 5"	9' 11"	8' 8"	10' 9"	9' 0"	7' 11"
350S125-18	33	12	13' 9"	13' 9"	12' 1"	11' 3"	11' 3"	10' 7"	9' 9"	9' 9"	9' 7"
350S125-18	33	16	11' 11"	11' 11"	11' 0"	9' 9"	9' 9"	9' 7"	8' 5" e	8' 5" e	8' 5" e
350S125-18	33	24	9' 9"	9' 9"	9' 7"	7' 11" e	7' 11" e	7' 11" e	6' 11" e	6' 11" e	6' 11" e
350S125-27	33	12	18' 6"	16' 1"	14' 0"	15' 1"	14' 0"	12' 3"	13' 1"	12' 9"	11' 1"
350S125-27	33	16	16' 0"	14' 7"	12' 9"	13' 1"	12' 9"	11' 1"	11' 4"	11' 4"	10' 1"
350S125-27	33	24	13' 1"	12' 9"	11' 1"	10' 8"	10' 8"	9' 9"	9' 3"	9' 3"	8' 10"
350S125-30	33	12	19' 11"	16' 7"	14' 6"	16' 3"	14' 6"	12' 8"	14' 1"	13' 2"	11' 6"
350S125-30	33	16	17' 3"	15' 0"	13' 2"	14' 1"	13' 2"	11' 6"	12' 2"	11' 11"	10' 5"
350S125-30	33	24	14' 1"	13' 2"	11' 6"	11' 6"	11' 6"	10' 0"	9' 11"	9' 11"	9' 1"
350S125-33	33	12	21' 5"	17' 1"	14' 11"	17' 6"	14' 11"	13' 1"	15' 2"	13' 7"	11' 10"
350S125-33	33	16	18' 7"	15' 7"	13' 7"	15' 2"	13' 7"	11' 10"	13' 2"	12' 4"	10' 9"
350S125-33	33	24	15' 2"	13' 7"	11' 10"	12' 5"	11' 10"	10' 4"	10' 9"	10' 9"	9' 5"
350S125-43	33	12	23' 6"	18' 8"	16' 3"	20' 6"	16' 3"	14' 3"	18' 5"	14' 10"	12' 11"
350S125-43	33	16	21' 4"	16' 11"	14' 10"	18' 5"	14' 10"	12' 11"	16' 0"	13' 5"	11' 9"
350S125-43	33	24	18' 5"	14' 10"	12' 11"	15' 1"	12' 11"	11' 4"	13' 0"	11' 9"	10' 3"
350S125-54	50	12	25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
350S125-54	50	16	22' 10"	18' 1"	15' 10"	19' 11"	15' 10"	13' 10"	18' 1"	14' 4"	12' 7"
350S125-54	50	24	19' 11"	15' 10"	13' 10"	17' 5"	13' 10"	12' 1"	15' 10"	12' 7"	11' 0"
350S125-68	50	12	26' 10"	21' 4"	18' 7"	23' 5"	18' 7"	16' 3"	21' 4"	16' 11"	14' 9"
350S125-68	50	16	24' 5"	19' 4"	16' 11"	21' 4"	16' 11"	14' 9"	19' 4"	15' 4"	13' 5"
350S125-68	50	24	21' 4"	16' 11"	14' 9"	18' 7"	14' 9"	12' 11"	16' 11"	13' 5"	11' 9"
362S125-18	33	12	14' 0"	14' 0"	12' 6"	11' 6"	11' 6"	10' 11"	9' 11" e	9' 11" e	9' 11" e
362S125-18	33	16	12' 2"	12' 2"	11' 4"	9' 11" e	9' 11" e	8' 7"	8' 7" e	8' 7" e	8' 7" e
362S125-18	33	24	9' 11" e	9' 11" e	9' 11" e	8' 1" e	8' 1" e	8' 1" e	7' 0" e	7' 0" e	7' 0" e

Table continued on next page

Limiting Wall Height Tables — Non-Composite

Interior Non-Structural Non-Composite

(S) Stud Member	Fy (ksi)	Spacing (in) o.c.	L/120	5 psf L/240	L/360	L/120	7.5 psf L/240	L/360	L/120	10 psf L/240	L/360
362S125-27	33	12	18' 10"	16' 6"	14' 5"	15' 5"	14' 5"	12' 7"	13' 4"	13' 1"	11' 5"
362S125-27	33	16	16' 4"	15' 0"	13' 1"	13' 4"	13' 1"	11' 5"	11' 7"	11' 7"	10' 5"
362S125-27	33	24	13' 4"	13' 1"	11' 5"	10' 11"	10' 11"	10' 0"	9' 5"	9' 5"	9' 1"
362S125-30	33	12	20' 3"	17' 0"	14' 10"	16' 7"	14' 10"	13' 0"	14' 4"	13' 6"	11' 10"
362S125-30	33	16	17' 7"	15' 6"	13' 6"	14' 4"	13' 6"	11' 10"	12' 5"	12' 3"	10' 9"
362S125-30	33	24	14' 4"	13' 6"	11' 10"	11' 8"	11' 8"	10' 4"	10' 2"	10' 2"	9' 4"
362S125-33	33	12	21' 11"	17' 7"	15' 4"	17' 10"	15' 4"	13' 5"	15' 6"	14' 0"	12' 2"
362S125-33	33	16	18' 11"	16' 0"	14' 0"	15' 6"	14' 0"	12' 2"	13' 5"	12' 8"	11' 1"
362S125-33	33	24	15' 6"	14' 0"	12' 2"	12' 8"	12' 2"	10' 8"	10' 11"	10' 11"	9' 8"
362S125-43	33	12	24' 2"	19' 2"	16' 9"	21' 1"	16' 9"	14' 8"	18' 10"	15' 3"	13' 4"
362S125-43	33	16	21' 11"	17' 5"	15' 3"	18' 10"	15' 3"	13' 4"	16' 4"	13' 10"	12' 1"
362S125-43	33	24	18' 10"	15' 3"	13' 4"	15' 4"	13' 4"	11' 7"	13' 4"	12' 1"	10' 7"
362S125-54	50	12	25' 10"	20' 6"	17' 11"	22' 7"	17' 11"	15' 8"	20' 6"	16' 3"	14' 2"
362S125-54	50	16	23' 5"	18' 7"	16' 3"	20' 6"	16' 3"	14' 2"	18' 7"	14' 9"	12' 11"
362S125-54	50	24	20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 5"	16' 3"	12' 11"	11' 3"
362S125-68	50	12	27' 7"	21' 11"	19' 2"	24' 1"	19' 2"	16' 9"	21' 11"	17' 5"	15' 2"
362S125-68	50	16	25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
362S125-68	50	24	21' 11"	17' 5"	15' 2"	19' 2"	15' 2"	13' 3"	17' 5"	13' 10"	12' 1"
400S125-18	33	12	14' 9" e	14' 9" e	13' 6" e	12' 1" e	12' 1" e	11' 9" e	10' 5" e	10' 5" e	10' 5" e
400S125-18	33	16	12' 10" e	12' 10" e	12' 3" e	10' 5" e	10' 5" e	10' 5" e	9' 1" e	9' 1" e	9' 1" e
400S125-18	33	24	10' 5" e	10' 5" e	10' 5" e	8' 6" e	8' 6" e	8' 6" e	7' 5" e	7' 5" e	7' 5" e
400S125-27	33	12	19' 11"	17' 10"	15' 7"	16' 3"	15' 7"	13' 7"	14' 1"	14' 1"	12' 4"
400S125-27	33	16	17' 3"	16' 2"	14' 2"	14' 1"	14' 1"	12' 4"	12' 2"	12' 2"	11' 3"
400S125-27	33	24	14' 1"	14' 1"	12' 4"	11' 6"	11' 6"	10' 9"	9' 11"	9' 11"	9' 10"
400S125-30	33	12	21' 5"	18' 5"	16' 1"	17' 6"	16' 1"	14' 0"	15' 2"	14' 7"	12' 9"
400S125-30	33	16	18' 6"	16' 8"	14' 7"	15' 2"	14' 7"	12' 9"	13' 1"	13' 1"	11' 7"
400S125-30	33	24	15' 2"	14' 7"	12' 9"	12' 4"	12' 4"	11' 2"	10' 8"	10' 8"	10' 1"
400S125-33	33	12	23' 2"	19' 0"	16' 7"	18' 11"	16' 7"	14' 6"	16' 4"	15' 1"	13' 2"
400S125-33	33	16	20' 0"	17' 3"	15' 1"	16' 4"	15' 1"	13' 2"	14' 2"	13' 9"	12' 0"
400S125-33	33	24	16' 4"	15' 1"	13' 2"	13' 4"	13' 2"	11' 6"	11' 7"	11' 7"	10' 6"
400S125-43	33	12	26' 1"	20' 9"	18' 1"	22' 10"	18' 1"	15' 10"	19' 11"	16' 5"	14' 4"
400S125-43	33	16	23' 9"	18' 10"	16' 5"	19' 11"	16' 5"	14' 4"	17' 3"	14' 11"	13' 1"
400S125-43	33	24	19' 11"	16' 5"	14' 4"	16' 3"	14' 4"	12' 7"	14' 1"	13' 1"	11' 5"
400S125-54	50	12	27' 11"	22' 2"	19' 4"	24' 5"	19' 4"	16' 11"	22' 2"	17' 7"	15' 4"
400S125-54	50	16	25' 4"	20' 2"	17' 7"	22' 2"	17' 7"	15' 4"	20' 2"	16' 0"	13' 11"
400S125-54	50	24	22' 2"	17' 7"	15' 4"	19' 4"	15' 4"	13' 5"	17' 7"	13' 11"	12' 2"
400S125-68	50	12	29' 10"	23' 8"	20' 8"	26' 1"	20' 8"	18' 1"	23' 8"	18' 10"	16' 5"
400S125-68	50	16	27' 2"	21' 6"	18' 10"	23' 8"	18' 10"	16' 5"	21' 6"	17' 1"	14' 11"
400S125-68	50	24	23' 8"	18' 10"	16' 5"	20' 8"	16' 5"	14' 4"	18' 10"	14' 11"	13' 0"
600S125-27	33	12	26' 8" e	24' 4" e	21' 3" e	21' 10" e	21' 3" e	18' 7" e	18' 11" e	18' 11" e	16' 10" e
600S125-27	33	16	23' 2" e	22' 1" e	19' 4" e	18' 11" e	18' 11" e	16' 10" e	16' 4" e	16' 4" e	15' 4" e
600S125-27	33	24	18' 11" e	18' 11" e	16' 10" e	15' 5" e	15' 5" e	14' 9" e	13' 4" e	13' 4" e	13' 4" e
600S125-30	33	12	28' 10"	25' 2"	22' 0"	23' 6"	22' 0"	19' 3"	20' 4"	20' 0"	17' 6"
600S125-30	33	16	24' 11"	22' 11"	20' 0"	20' 4"	20' 0"	17' 6"	17' 8"	17' 8"	15' 10"
600S125-30	33	24	20' 4"	20' 0"	17' 6"	16' 8" e	16' 8" e	15' 3"	14' 5" e	14' 5" e	13' 10" e
600S125-33	33	12	31' 2"	26' 2"	22' 10"	25' 6"	22' 10"	19' 11"	22' 1"	20' 9"	18' 1"
600S125-33	33	16	27' 0"	23' 9"	20' 9"	22' 1"	20' 9"	18' 1"	19' 1"	18' 10"	16' 6"
600S125-33	33	24	22' 1"	20' 9"	18' 1"	18' 0"	18' 0"	15' 10"	15' 7" e	15' 7" e	14' 5"
600S125-43	33	12	36' 2"	28' 9"	25' 1"	31' 3"	25' 1"	21' 11"	27' 0"	22' 10"	19' 11"
600S125-43	33	16	32' 11"	26' 1"	22' 10"	27' 0"	22' 10"	19' 11"	23' 5"	20' 9"	18' 1"
600S125-43	33	24	27' 0"	22' 10"	19' 11"	22' 1"	19' 11"	17' 5"	19' 1"	18' 1"	15' 10"
600S125-54	50	12	38' 9"	30' 9"	26' 10"	33' 10"	26' 10"	23' 6"	30' 9"	24' 5"	21' 4"
600S125-54	50	16	35' 3"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 5"
600S125-54	50	24	30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 8"	24' 5"	19' 5"	16' 11"
600S125-68	50	12	41' 7"	33' 0"	28' 10"	36' 4"	28' 10"	25' 2"	33' 0"	26' 2"	22' 10"
600S125-68	50	16	37' 9"	30' 0"	26' 2"	33' 0"	26' 2"	22' 10"	30' 0"	23' 9"	20' 9"
600S125-68	50	24	33' 0"	26' 2"	22' 10"	28' 10"	22' 10"	20' 0"	26' 2"	20' 9"	18' 2"
800S125-43	33	12	45' 1"	36' 1"	31' 6"	36' 10"	31' 6"	27' 6"	31' 11"	28' 8"	25' 0"
800S125-43	33	16	39' 1"	32' 9"	28' 8"	31' 11"	28' 8"	25' 0"	27' 8"	26' 0"	22' 9"
800S125-43	33	24	31' 11"	28' 8"	25' 0"	26' 1"	25' 0"	21' 10"	22' 7"	22' 7"	19' 10"
800S125-54	50	12	48' 10"	38' 9"	33' 10"	42' 8"	33' 10"	29' 7"	38' 9"	30' 9"	26' 10"
800S125-54	50	16	44' 4"	35' 2"	30' 9"	38' 9"	30' 9"	26' 10"	35' 2"	27' 11"	24' 5"
800S125-54	50	24	38' 9"	30' 9"	26' 10"	33' 10"	26' 10"	23' 6"	30' 8"	24' 5"	21' 4"
800S125-68	50	12	52' 10"	41' 11"	36' 8"	46' 2"	36' 8"	32' 0"	41' 11"	33' 4"	29' 1"
800S125-68	50	16	48' 0"	38' 1"	33' 4"	41' 11"	33' 4"	29' 1"	38' 1"	30' 3"	26' 5"
800S125-68	50	24	41' 11"	33' 4"	29' 1"	36' 8"	29' 1"	25' 5"	33' 4"	26' 5"	23' 1"

See Interior Non-Structural Non-Composite Table Notes on previous page

Limiting Wall Heights — Curtain Wall 1-span

Wall Height Table Notes

1. Lateral loads have not been modified for strength checks: full loads are applied.
2. 10 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.
3. Limiting heights are based on continuous support of each flange over the full length of the stud.
4. Limiting heights are based on steel properties only (non-composite).
5. Web crippling check is based on 1 inch end bearing. Where limiting heights are followed by "e", web stiffeners are required.
6. End shear and web crippling capacity have not been reduced for punchouts. Punchouts are assumed to be at least 10" from the ends of members, in accordance with ASTM C955, section 4.6.

(S) Stud Member	Fy (ksi)	Spacing (in) o.c.	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 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	L/240	L/360	L/600						
350S162-33	33	12	23' 9"	18' 10"	16' 5"	14' 8"	12' 10"	10' 10"	13' 0"	11' 8"	9' 10"	11' 8"	10' 10"	9' 2"	10' 8"	10' 2"	8' 7"	9' 10" e	9' 8" e	8' 2"	9' 2" e	9' 2" e	7' 10"	8' 3" e	8' 3" e	7' 3" e						
350S162-33	33	16	21' 7"	17' 1"	14' 11"	13' 0"	11' 8"	9' 10"	11' 3"	10' 7"	8' 11"	10' 1" e	9' 10" e	8' 4"	9' 2" e	9' 2" e	7' 10"	8' 6" e	8' 6" e	7' 5" e	8' 0" e	8' 0" e	7' 1" e	7' 2" e	7' 2" e	6' 7" e						
350S162-33	33	24	18' 5"	14' 11"	13' 1"	10' 8"	10' 2"	8' 7"	8' 3" e	9' 2" e	7' 10"	12' 6"	11' 9"	9' 11"	7' 6" e	7' 6" e	6' 10" e	7' 0" e	7' 0" e	6' 6" e	6' 6" e	6' 6" e	5' 9" e	5' 10" e	5' 10" e	5' 9" e						
350S162-43	33	12	25' 10"	20' 6"	17' 11"	16' 0"	14' 0"	11' 9"	14' 6"	12' 8"	10' 8"	13' 6"	11' 9"	9' 11"	12' 6"	11' 1"	9' 4"	11' 7"	10' 6"	8' 11"	10' 10"	10' 1"	8' 6"	9' 8"	9' 4"	7' 11"	7' 11"	7' 11"				
350S162-43	33	16	23' 5"	18' 7"	16' 3"	14' 6"	12' 8"	10' 8"	13' 2"	11' 6"	9' 9"	11' 10"	10' 8"	9' 0"	10' 10"	10' 1"	8' 6"	10' 0"	10' 1"	8' 1"	9' 5"	9' 2"	7' 9"	8' 5" e	8' 5" e	7' 2"	8' 5" e	8' 5" e	7' 2"			
350S162-43	33	24	20' 6"	16' 3"	14' 2"	12' 6"	11' 1"	9' 4"	10' 10"	10' 1"	8' 6"	9' 8"	9' 4"	7' 11"	8' 10"	7' 5"	8' 2" e	8' 2" e	7' 1"	7' 8" e	7' 8" e	6' 9"	6' 10" e	6' 10" e	6' 3" e	6' 10" e	6' 10" e	6' 3" e				
350S162-54	33	12	27' 8"	21' 11"	19' 2"	17' 1"	15' 0"	12' 7"	15' 7"	13' 7"	11' 6"	14' 5"	12' 7"	10' 8"	13' 7"	11' 10"	10' 0"	12' 11"	11' 3"	9' 6"	12' 2"	10' 9"	9' 1"	10' 10"	10' 0"	8' 5"	8' 3" e	8' 3" e	7' 8"			
350S162-54	33	16	25' 1"	19' 11"	17' 5"	15' 7"	13' 7"	11' 6"	14' 2"	12' 4"	10' 5"	13' 1"	11' 6"	9' 8"	12' 2"	10' 9"	9' 1"	10' 6"	10' 3"	8' 8"	10' 6"	9' 10"	8' 3"	9' 5"	9' 1"	7' 8"	7' 8"	7' 8"				
350S162-54	33	24	21' 11"	17' 5"	15' 2"	13' 7"	11' 10"	10' 0"	12' 2"	10' 9"	9' 1"	10' 10"	10' 0"	8' 5"	9' 11"	9' 5"	7' 11"	9' 2"	8' 11"	7' 7"	8' 7"	8' 7"	7' 3"	7' 8"	7' 8"	6' 8"	7' 8"	7' 8"				
350S162-68	33	12	29' 7"	23' 5"	20' 6"	18' 4"	16' 0"	13' 6"	16' 8"	14' 6"	12' 3"	15' 5"	13' 6"	11' 5"	14' 6"	12' 8"	10' 9"	13' 10"	12' 1"	10' 2"	13' 3"	11' 6"	9' 9"	12' 1"	10' 9"	9' 0"	12' 1"	10' 9"	9' 0"			
350S162-68	33	16	26' 10"	21' 4"	18' 7"	16' 8"	14' 6"	12' 3"	15' 1"	13' 3"	11' 2"	14' 0"	12' 3"	10' 4"	13' 3"	11' 6"	9' 9"	12' 6"	11' 0"	9' 3"	11' 8"	10' 6"	8' 10"	10' 5"	9' 9"	8' 3"	10' 5"	10' 5"				
350S162-68	33	24	23' 5"	18' 7"	16' 3"	14' 6"	12' 8"	10' 9"	13' 3"	11' 6"	9' 9"	12' 1" e	10' 9"	9' 0"	11' 0"	10' 1"	8' 6"	10' 2"	9' 7"	8' 1"	9' 6"	9' 2"	7' 9"	8' 6"	8' 6"	7' 2"	8' 6"	8' 6"				
362S137-33	33	12	23' 3"	18' 5"	16' 1"	14' 3"	12' 7"	10' 7"	12' 4"	11' 5"	9' 8"	11' 1"	10' 7"	8' 11"	10' 1"	10' 0"	8' 5"	9' 4"	9' 4" e	8' 0"	8' 9" e	8' 9" e	7' 8"	7' 10" e	7' 10" e	7' 1" e	7' 10" e	7' 10" e	7' 1" e			
362S137-33	33	16	21' 1"	16' 9"	14' 8"	12' 4"	11' 5"	9' 8"	10' 9"	10' 5"	8' 9"	9' 7"	9' 7"	8' 2"	8' 9" e	8' 9" e	7' 8"	8' 1" e	8' 1" e	7' 3" e	7' 7" e	7' 6" e	6' 11" e	6' 9" e	6' 5" e	6' 11" e	6' 11" e	6' 5" e				
362S137-33	33	24	17' 6"	14' 8" e	12' 10"	10' 1"	10' 0"	8' 5"	8' 9" e	8' 9" e	7' 8"	7' 10" e	7' 10" e	7' 1" e	7' 2" e	7' 2" e	6' 8" e	6' 7" e	6' 7" e	6' 4" e	6' 2" e	6' 2" e	6' 1" e	5' 6" e								
362S162-33	33	12	24' 4"	19' 4"	16' 11"	15' 1"	13' 2"	11' 1"	13' 3"	12' 0"	10' 1"	11' 11"	11' 1"	9' 5"	10' 10"	10' 6"	8' 10"	10' 0" e	9' 11" e	8' 5"	9' 5" e	9' 5" e	8' 0"	8' 5" e	8' 5" e	7' 5" e	7' 5" e	7' 5" e	7' 5" e			
362S162-33	33	16	22' 2"	17' 7"	15' 4"	13' 3"	12' 0"	10' 1"	11' 6"	10' 11"	9' 2"	10' 3" e	10' 1" e	8' 6"	9' 5" e	9' 5" e	8' 0"	8' 8" e	8' 8" e	7' 7" e	8' 2" e	8' 2" e	7' 3" e	7' 3" e	7' 3" e	6' 9" e	7' 3" e	7' 3" e				
362S162-33	33	24	18' 9"	15' 4"	13' 5"	10' 10"	10' 6"	8' 10"	9' 5" e	9' 5" e	8' 0"	8' 5" e	8' 5" e	7' 5" e	7' 8" e	7' 8" e	7' 0"	7' 1" e	7' 1" e	6' 8" e	6' 8" e	6' 4" e	5' 11" e	5' 11" e	5' 11" e	5' 11" e	5' 11" e	5' 11" e				
362S200-33	33	12	25' 8"	20' 5"	17' 10"	15' 11"	13' 11"	11' 9"	13' 11"	12' 8"	10' 8"	12' 5"	11' 9"	9' 11"	11' 4" e	11' 1" e	9' 4"	10' 6" e	10' 6" e	8' 10"	9' 10" e	9' 10" e	8' 6" e	8' 10" e	8' 10" e	7' 10" e	7' 10" e	7' 10" e				
362S200-33	33	16	23' 4"	18' 6"	16' 2"	13' 11"	12' 8"	10' 8"	12' 1"	11' 6"	9' 8"	10' 9" e	10' 8" e	9' 0"	9' 10" e	9' 10" e	8' 6" e	9' 1" e	9' 1" e	8' 0" e	8' 6" e	8' 7" e	7' 7" e	7' 7" e	7' 7" e	7' 7" e	7' 7" e	7' 7" e				
362S200-33	33	24	19' 8"	16' 2"	14' 2"	11' 4" e	11' 1" e	9' 4"	9' 10" e	9' 10" e	8' 6" e	8' 10" e	8' 10" e	7' 10" e	8' 0" e	8' 0" e	7' 5" e	7' 5" e	7' 5" e	7' 0" e	7' 0" e	6' 9" e	6' 3" e	6' 3" e	6' 3" e	6' 3" e	6' 3" e	6' 3" e				
362S137-43	33	12	25' 3"	20' 1"	17' 6"	15' 8"	13' 8"	11' 7"	14' 3"	12' 5"	10' 6"	13' 0"	11' 7"	9' 9"	11' 10"	10' 10"	9' 2"	11' 0"	10' 4"	8' 8"	10' 3"	10' 4"	8' 4"	10' 3"	9' 10"	9' 2"	7' 9"	7' 9"	7' 9"			
362S137-43	33	16	23' 0"	18' 3"	15' 11"	14' 3"	12' 5"	10' 6"	12' 7"	11' 4"	9' 6"	11' 3" e	10' 6" e	8' 10"	10' 3"	9' 10"	8' 4"	9' 6"	9' 5" e	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"			
362S137-43	33	24	20' 1"	15' 11"	13' 11"	11' 10" e	10' 10"	9' 2"	10' 3"	9' 10" e	8' 4"	9' 2"	9' 2" e	7' 9"	8' 5"	7' 3"	7' 9"	7' 9"	6' 11" e	7' 3" e	7' 3" e	6' 7" e	6' 6" e	6' 6" e	6' 2" e	6' 2" e	6' 2" e	6' 2" e				
362S162-43	33	12	26' 6"	21' 0"	18' 4"	16' 5"	14' 6"	12' 1"	14' 11"	13' 0"	11' 0" e	13' 10"	11' 0" e	9' 11"	12' 9"	11' 5"	9' 7"	11' 10"	10' 10"	9' 1"	11' 1" e	10' 10"	9' 1"	8' 9" e	9' 11" e	9' 11" e	8' 1" e	8' 1" e	8' 1" e			
362S162-43	33	16	24' 1"	19' 1"	16' 8"	14' 11"	13' 0"	11' 0" e	13' 7"	11' 10"	10' 0" e	12' 1" e	11' 1" e	9' 11"	12' 1" e	10' 1" e	9' 1"	10' 3" e	9' 1" e	8' 1" e	9' 1" e	8' 1" e	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"				
362S162-43	33	24	21' 0"	16' 8"	14' 7"	12' 9"	11' 7"	9' 10"	11' 4" e	10' 4" e	9' 0"	9' 11" e	9' 11" e	8' 11"	8' 4" e	8' 4" e	7' 3" e	7' 3" e	7' 3" e	7' 0" e	7' 0" e	6' 11" e	6' 11" e	6' 11" e	6' 11" e	6' 11" e	6' 11" e					
362S200-43	33	12	28' 0"	22' 3"	19' 5"	17' 4"	15' 2"	12' 9"	15' 9"	13' 9"	11' 7"	14' 8" e	12' 9" e	10' 9"	13' 8" e	12' 0"	10' 2"	12' 8"	11' 5"	9' 8"	11' 10" e	11' 11" e	9' 3"	10' 7"	10' 2" e	8' 7"	8' 7"	8' 7"	8' 7"	8' 7"	8' 7"	
362S200-43	33	16	25' 5"	20' 2"	17' 8"	15' 9"	13' 11"	11' 7"	14' 4"	12' 6"	10' 7"	13' 0"	11' 7"	9' 10"	11' 10" e	9' 3"	10' 1" e	10' 1" e	9' 10" e	8' 9"	10' 3" e	9' 11" e	8' 4"	9' 11" e	9' 11" e	8' 4"	9' 11" e	9' 11" e	8' 4"			
362S200-43	33	24	22' 3"	17' 8"	15' 5"	13' 8"	10' 2"	8' 10"	10' 11" e	9' 7"	10' 7"	10' 7"	9' 7"	10' 7"	10' 7"	9' 7"	10' 7"	10' 7"	9' 7"	8' 5" e	8' 5" e	7' 4" e	7' 4" e	7' 4" e	7' 4" e	7' 4" e	7' 4" e	7' 4" e	7' 4" e	7' 4" e		
362S137-54	33	12	27' 1"	21' 6"	18' 9"	16' 9"	14' 8"	12' 4"	15' 3"	13' 4"	11' 3"	14' 2"	12' 4"	10' 5"	13' 3"	11' 8"	9' 10"	12' 4"	10' 5"	13' 3"	11' 10"	10' 7"	10' 0"	9' 7"	8' 11"	7' 6"	7' 6" e	7' 6" e	7' 6" e	7' 6" e	7' 6" e	7' 6" e
362S137-54	33	16	24' 7"	19' 6"	17' 1"	15' 3"	11' 8"	9' 10"	11' 6"	10' 7"	8' 11"	10' 4" e	9' 10" e	8' 3"	9' 5" e	9' 5" e	7' 9"	8' 8" e	8' 8" e	7' 5"	8' 2" e	8' 2" e	7' 1"	7' 3" e	7' 3" e	6' 7" e	7' 3" e	7' 3" e	6' 7" e			
362S162-54	33	12	2																													

Limiting Wall Heights — Curtain Wall 1-span

(S) Stud Member	Fy (ksi)	Spacing (in) o.c.	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 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				
400S137-43	33	12	27' 4"	21' 8"	18' 11"	16' 11"	14' 9"	12' 6"	15' 4"	13' 5"	11' 4"	13' 9"	12' 6"	10' 6"	12' 7"	11' 9"	9' 11"	11' 7"	11' 2"	9' 5"	10' 10"	10' 8"	9' 0"	9' 9"	9' 9"	8' 4"	
400S137-43	33	16	24' 10"	19' 8"	17' 2"	15' 4"	13' 5"	11' 4"	13' 4"	12' 2"	10' 4"	11' 11"	11' 4"	9' 7"	10' 10"	10' 8"	9' 0"	10' 1"	10' 1"	8' 6"	9' 5"	9' 5"	8' 2"	8' 5" ^e	8' 5" ^e	7' 7"	
400S137-43	33	24	21' 8"	17' 2"	15' 0"	12' 7"	11' 9"	9' 11"	10' 10"	10' 8"	9' 0"	9' 9"	9' 9"	8' 4"	8' 11"	8' 11"	8' 3" ^e	8' 3" ^e	7' 6"	7' 8" ^e	7' 8" ^e	7' 2"	6' 11" ^e	6' 11" ^e	6' 7"		
400S162-43	33	12	28' 7"	22' 8"	19' 10"	17' 9"	15' 6"	13' 1"	16' 1"	14' 1"	11' 10"	14' 10"	13' 1"	11' 0"	13' 6"	12' 3"	10' 4"	12' 6"	11' 8"	9' 10"	11' 9"	11' 2"	9' 5"	10' 6"	10' 4"	8' 9"	
400S162-43	33	16	26' 0"	20' 7"	18' 0"	16' 1"	14' 1"	11' 10"	14' 4"	12' 9"	10' 9"	12' 10"	11' 10"	10' 0"	11' 9"	11' 2"	9' 5"	10' 10"	10' 7"	8' 11"	10' 2"	10' 2"	8' 7"	9' 1" ^e	9' 1" ^e	7' 11"	
400S162-43	33	24	22' 8"	18' 0"	15' 9"	13' 6"	12' 3"	10' 4"	11' 9"	11' 2"	9' 5"	10' 6"	10' 4"	8' 9"	9' 7" ^e	9' 7" ^e	8' 3" ^e	8' 10" ^e	8' 10" ^e	7' 10"	8' 3" ^e	8' 3" ^e	7' 6"	7' 5" ^e	7' 5" ^e	6' 11" ^e	
400S200-43	33	12	30' 2"	23' 11"	20' 11"	18' 8"	16' 4"	13' 9"	17' 0"	14' 10"	12' 6"	15' 9"	13' 9"	11' 7"	14' 6"	13' 0"	10' 11"	13' 5"	12' 4"	10' 5"	12' 7"	11' 9"	9' 11"	11' 3" ^e	10' 11"	9' 3"	
400S200-43	33	16	27' 5"	21' 9"	19' 0"	17' 0"	14' 10"	12' 6"	15' 4"	13' 6"	11' 4"	13' 9"	12' 6"	10' 7"	12' 7"	11' 9"	9' 11"	11' 7"	11' 2"	9' 5"	10' 10"	10' 8"	9' 0"	9' 9" ^e	9' 9" ^e	8' 5" ^e	
400S200-43	33	24	23' 11"	19' 0"	16' 7"	14' 6"	13' 0"	10' 11"	12' 7"	11' 9"	9' 11"	11' 3" ^e	10' 11"	9' 3"	10' 3" ^e	10' 3" ^e	8' 8"	9' 6" ^e	9' 6" ^e	8' 3" ^e	8' 10" ^e	8' 10" ^e	7' 11" ^e	7' 11" ^e	7' 4" ^e		
400S137-54	33	12	29' 3"	23' 2"	20' 3"	18' 1"	15' 10"	13' 4"	16' 6"	14' 5"	12' 2"	15' 3"	13' 4"	11' 3"	14' 1"	12' 7"	10' 7"	13' 1"	11' 11"	10' 1"	12' 3"	11' 5"	9' 8"	10' 11"	10' 7"	8' 11"	
400S137-54	33	16	26' 7"	21' 1"	18' 5"	16' 6"	14' 5"	12' 2"	15' 0"	13' 1"	11' 0"	13' 5"	12' 2"	10' 3"	12' 3"	11' 5"	9' 8"	11' 4"	10' 10"	9' 2"	10' 7"	10' 4"	8' 9"	9' 6" ^e	9' 6" ^e	8' 1"	
400S137-54	33	24	23' 2"	18' 5"	16' 1"	14' 1"	12' 7"	10' 7"	12' 3"	11' 5"	9' 8"	10' 11"	10' 7"	8' 11"	10' 0"	12' 3"	11' 5"	9' 3"	9' 3"	8' 0"	8' 8"	8' 8"	7' 8"	7' 9"	7' 1"		
400S162-54	33	12	30' 8"	24' 4"	21' 3"	19' 0"	16' 7"	14' 0"	17' 3"	15' 1"	12' 9"	16' 0"	14' 0"	11' 10"	15' 1"	13' 2"	11' 14"	14' 1"	12' 6"	10' 7"	13' 2"	12' 0"	10' 1"	11' 9"	11' 1"	9' 4"	
400S162-54	33	16	27' 10"	22' 1"	19' 4"	17' 3"	15' 1"	12' 9"	15' 8"	13' 8"	11' 7"	14' 5"	12' 9"	10' 9"	10' 9"	10' 5"	8' 10"	9' 11"	9' 11"	10' 5"	9' 4"	9' 4"	8' 0"	8' 4" ^e	8' 4" ^e	7' 5"	
400S162-54	33	24	24' 4"	19' 4"	16' 10"	15' 1"	13' 2"	11' 1"	13' 2"	12' 0"	10' 1"	11' 9"	11' 11"	9' 4"	10' 9"	10' 5"	8' 10"	9' 11"	9' 11"	9' 4"	9' 4"	8' 0"	8' 4" ^e	8' 4" ^e	7' 5"		
400S200-54	33	12	32' 4"	25' 8"	22' 5"	20' 1"	17' 6"	14' 9"	18' 3"	15' 11"	13' 5"	16' 11"	14' 9"	12' 6"	15' 11"	13' 11"	11' 9"	15' 1"	13' 3"	11' 2"	14' 4"	12' 8"	10' 8"	12' 10"	11' 9"	9' 11"	
400S200-54	33	16	29' 5"	23' 4"	20' 5"	18' 3"	15' 11"	13' 5"	16' 7"	14' 6"	12' 2"	15' 4"	13' 5"	11' 4"	14' 4"	12' 8"	10' 8"	13' 3"	12' 0"	10' 1"	12' 5"	11' 6"	9' 8"	11' 1"	10' 8"	9' 0"	
400S200-54	33	24	25' 8"	20' 5"	17' 10"	15' 11"	13' 11"	11' 9"	14' 4"	12' 8"	10' 8"	12' 10"	11' 9"	9' 11"	11' 8"	11' 0"	9' 4"	10' 10"	10' 6"	8' 10"	10' 2"	10' 0"	8' 5"	9' 1" ^e	9' 1" ^e	7' 10"	
400S137-68	33	12	31' 3"	24' 10"	21' 8"	19' 4"	16' 11"	14' 3"	17' 7"	15' 5"	13' 0"	16' 4"	14' 3"	12' 0"	15' 5"	13' 5"	11' 4"	14' 7"	12' 9"	10' 9"	13' 8"	12' 2"	10' 4"	12' 3"	11' 4"	9' 7"	
400S137-68	33	16	28' 5"	22' 7"	19' 8"	17' 7"	15' 5"	13' 0"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"	13' 8"	12' 2"	10' 4"	12' 8"	11' 7"	9' 9"	11' 10"	11' 11"	9' 4"	10' 7"	10' 4"	8' 8"	
400S137-68	33	24	24' 10"	19' 8"	17' 2"	15' 5"	13' 11"	11' 4"	13' 8"	12' 2"	10' 4"	12' 3"	11' 4"	9' 7"	11' 2"	10' 8"	9' 0"	10' 4"	12' 2"	10' 1"	12' 8"	11' 7"	8' 7"	8' 8"	8' 8"	7' 7"	
400S162-68	33	12	32' 10"	26' 0"	22' 9"	20' 4"	17' 9"	15' 0"	18' 6"	16' 2"	13' 7"	17' 2"	15' 0"	12' 8"	16' 2"	14' 1"	11' 11"	14' 5"	13' 5"	11' 4"	14' 8"	12' 10"	10' 10"	13' 2"	11' 11"	10' 0"	
400S162-68	33	16	29' 10"	23' 8"	20' 8"	18' 6"	16' 2"	13' 7"	16' 9"	14' 8"	12' 4"	15' 7"	13' 7"	11' 6"	14' 8"	12' 10"	10' 10"	13' 8"	12' 2"	10' 3"	12' 9"	11' 8"	9' 10"	11' 5"	10' 10"	9' 1"	
400S162-68	33	24	26' 0"	20' 8"	18' 1"	16' 2"	14' 1"	11' 11"	14' 8"	12' 10"	10' 10"	13' 2"	11' 11"	10' 0"	12' 0"	11' 2"	10' 8"	9' 0"	11' 2"	10' 8"	8' 7"	10' 5"	10' 2"	8' 7"	9' 4"	8' 0"	
400S200-68	33	12	34' 8"	27' 6"	24' 0"	21' 6"	18' 9"	15' 10"	19' 6"	17' 1"	14' 5"	18' 1"	15' 10"	13' 4"	17' 1"	14' 11"	12' 7"	16' 2"	14' 11"	15' 6"	14' 9"	15' 6"	13' 11"	14' 4"	12' 7"	10' 7"	
400S200-68	33	16	31' 6"	25' 0"	21' 10"	19' 6"	17' 1"	14' 5"	17' 9"	15' 7"	13' 0"	19' 6"	15' 6"	12' 2"	15' 6"	13' 11"	10' 10"	13' 11"	14' 10"	15' 6"	13' 11"	14' 4"	12' 7"	10' 7"	9' 8"		
400S200-68	33	24	27' 6"	21' 10"	19' 1"	17' 1"	14' 5"	13' 9"	17' 7"	15' 4"	13' 0"	15' 10"	14' 3"	12' 0"	14' 5"	13' 5"	11' 4"	14' 5"	13' 0"	10' 9"	12' 7"	10' 7"	13' 11"	14' 4"	12' 7"	10' 7"	
400S162-68	33	12	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' 3"	13' 11"	17' 11"	15' 8"	13' 2"	17' 6"	15' 11"	11' 10"	10' 0"	12' 0"	10' 0"	
400S162-68	33	16	38' 4"	30' 5"	26' 7"	23' 9"	20' 9"	17' 6"	21' 7"	18' 10"	15' 11"	20' 0"	17' 6"	14' 9"	18' 10"	16' 3"	13' 11"	17' 11"	15' 8"	13' 2"	17' 6"	15' 11"	11' 10"	10' 0"	12' 0"	10' 0"	
400S162-68	33	24	33' 6"	26' 7"	23' 3"	20' 9"	18' 1"	15' 3"	18' 9"	16' 6"	13' 11"	16' 10"	15' 3"	12' 11"	15' 2"	13' 6"	13' 11"	17' 11"	15' 7"	13' 0"	14' 1"	13' 1"	11' 0"	12' 7"	10' 3"	10' 3"	
600S137-33	33	12	34' 4"	27' 3"	23' 10"	20' 0"	18' 7"	15' 8"	17' 4"	16' 11"	14' 3"	15' 6"	15' 6"	13' 3"	14' 2"	12' 5"	13' 11"	17' 7"	13' 0"	13' 0"	13' 0"	11' 4"	11' 7"	11' 7"	11' 7"	11' 7"	10' 4"
600S137-33	33	16	30' 0"	24' 9"	21' 8"	17' 4"	16' 11"	14' 3"	15' 0"	15' 2"	12' 11"	14' 3"	15' 5"	13' 5"	12' 0"	13' 0"	13' 0"	11' 4"	11' 7"	11' 7"	10' 4"	10' 4"	10' 4"	10' 4"	10' 4"	9' 4"	
600S137-33	33	24	24' 6"	21' 8"	18' 11"	14' 2"	14' 2"	12' 5"	12' 3"	12' 3"	11' 4"	14' 2"	10' 11"	10' 11"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"	7' 9"	
600S162-33	33	12	36' 1"	28' 8"	25' 0"	22' 4"	19' 6"	16' 6"	19' 6"	17' 9"	15' 0"	17' 5"	16' 6"	13' 11"	16' 11"	16' 6"	13' 11"	17' 5"	16' 6"	13' 11"	17' 5"	16' 6"	13' 11"	17' 5"	16' 6"	11' 0"	
600S162-33	33	16	32' 9"	26' 0"	22' 9"	19' 6"	17' 9"	15' 0"	16' 11"	16' 2"	13' 7"	15' 1"	15' 0"	12' 8"	15' 1"	12' 8"	15' 11"	12' 9"	12' 9"	11' 3"	11' 3"	11' 3"	10' 0"	10' 8"	10' 8"	10' 8"	
600S162-33	33	24	27' 7"	22' 9"	19' 10"	15' 11"	16' 5"	13' 11"	13' 9"	13' 11"	11' 11"	12' 4"	12' 4"	11' 0"	12' 4"	11' 0"	12' 4"	11' 11"	12' 4"	11' 11"	12' 4"	11' 11"	12' 4"	11' 11"	10' 0"		
600S200-33	33	12	37' 9"	30' 0"	26' 2"	23' 9"	20' 6"	17' 3"	20' 3"	18' 7"	15' 8"	18' 1"	15' 11"	13' 7"	12' 0"	13' 7"</td											

Limiting Wall Heights — Curtain Wall 1-span

(S) Stud Member	Fy (ksi)	Spacing (in) o.c.	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf					
			L/120	L/240	L/360	L/240	L/360	L/600																					
600S162-68	33	12	45' 3"	35' 11"	31' 4"	28' 0"	24' 6"	20' 8"	25' 6"	22' 3"	18' 9"	23' 8"	20' 8"	17' 5"	22' 3"	19' 5"	16' 5"	21' 2"	18' 5"	15' 7"	20' 2"	17' 8"	14' 11"	18' 9"	16' 5"	13' 10"			
600S162-68	33	16	41' 1"	32' 7"	28' 6"	25' 6"	22' 3"	18' 9"	23' 2"	20' 2"	17' 1"	21' 6"	18' 9"	15' 10"	20' 2"	17' 8"	14' 11"	19' 2"	16' 9"	14' 2"	18' 4"	16' 0"	13' 6"	16' 4"	14' 11"	12' 7"			
600S162-68	33	24	35' 11"	28' 6"	24' 11"	22' 3"	19' 5"	16' 5"	20' 2"	17' 8"	14' 11"	18' 9"	16' 5"	13' 10"	17' 3"	15' 5"	13' 0"	16' 0"	14' 8"	12' 4"	14' 11"	14' 0"	11' 10"	13' 4"	13' 0"	11' 0"			
600S200-68	33	12	47' 7"	37' 9"	33' 0"	29' 6"	25' 9"	21' 9"	26' 9"	23' 5"	19' 9"	24' 10"	21' 9"	18' 4"	23' 5"	20' 5"	17' 3"	22' 3"	19' 5"	16' 4"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"			
600S200-68	33	16	43' 2"	34' 3"	29' 11"	26' 9"	23' 5"	19' 9"	24' 4"	21' 3"	17' 11"	22' 7"	19' 9"	16' 8"	21' 3"	18' 7"	15' 8"	20' 2"	17' 8"	14' 11"	19' 4"	16' 10"	14' 3"	17' 5"	15' 8"	13' 2"			
600S200-68	33	24	37' 9"	29' 11"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	18' 5"	16' 3"	13' 8"	17' 0"	15' 5"	13' 0"	15' 11"	14' 9"	12' 5"	14' 3"	13' 8"	11' 6"			
600S137-97	33	12	47' 11"	38' 0"	33' 2"	29' 8"	25' 11"	21' 10"	27' 0"	23' 7"	19' 10"	25' 0"	21' 10"	18' 5"	23' 7"	20' 7"	17' 4"	22' 5"	19' 7"	16' 6"	21' 5"	18' 8"	15' 9"	19' 10"	17' 4"	14' 8"			
600S137-97	33	16	43' 6"	34' 6"	30' 2"	27' 0"	23' 7"	19' 10"	24' 6"	21' 5"	18' 1"	22' 9"	19' 10"	16' 9"	21' 5"	18' 8"	15' 9"	20' 4"	17' 9"	15' 0"	19' 5"	17' 0"	14' 4"	18' 1"	15' 9"	13' 4"			
600S137-97	33	24	38' 0"	30' 2"	26' 4"	23' 7"	20' 7"	17' 4"	21' 5"	18' 8"	15' 9"	19' 10"	17' 4"	14' 8"	18' 8"	16' 4"	13' 9"	17' 9"	15' 6"	13' 1"	16' 11"	14' 10"	12' 6"	15' 2"	13' 9"	11' 7"			
600S162-97	33	12	50' 1"	39' 9"	34' 9"	31' 1"	27' 2"	22' 11"	28' 3"	24' 8"	20' 9"	26' 2"	22' 11"	19' 4"	24' 8"	21' 6"	18' 2"	23' 5"	20' 5"	17' 3"	22' 5"	19' 7"	16' 6"	20' 9"	18' 2"	15' 4"			
600S162-97	33	16	45' 6"	36' 2"	31' 7"	28' 3"	24' 8"	20' 9"	25' 8"	22' 5"	18' 11"	23' 10"	20' 9"	17' 6"	22' 5"	19' 7"	16' 6"	21' 3"	18' 7"	15' 8"	20' 4"	17' 9"	15' 0"	18' 11"	16' 6"	13' 11"			
600S162-97	33	24	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"	16' 0"	14' 5"	12' 2"			
600S200-97	33	12	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"	21' 11"	19' 2"	16' 2"			
600S200-97	33	16	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"	19' 11"	17' 5"	14' 8"			
600S200-97	33	24	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' 3"	13' 10"	17' 0"	15' 2"	12' 10"			
600S162-118	33	12	52' 11"	42' 0"	36' 8"	32' 10"	28' 8"	24' 2"	29' 10"	26' 0"	21' 11"	27' 8"	24' 2"	20' 5"	26' 0"	22' 9"	19' 2"	24' 9"	21' 7"	18' 3"	23' 8"	20' 8"	17' 5"	21' 11"	19' 2"	16' 2"			
600S162-118	33	16	48' 1"	38' 2"	33' 4"	29' 10"	26' 0"	21' 11"	27' 1"	23' 8"	19' 11"	25' 2"	21' 11"	18' 6"	23' 8"	20' 8"	17' 5"	22' 6"	19' 8"	16' 7"	21' 6"	18' 9"	15' 10"	19' 11"	17' 5"	14' 8"			
600S162-118	33	24	42' 0"	33' 4"	29' 1"	26' 0"	22' 9"	19' 2"	23' 8"	20' 8"	17' 5"	21' 11"	19' 2"	16' 2"	20' 8"	18' 1"	15' 3"	19' 8"	17' 2"	14' 6"	18' 9"	16' 5"	13' 10"	17' 5"	15' 3"	12' 10"			
600S200-118	33	12	55' 10"	44' 4"	38' 9"	34' 7"	30' 3"	25' 6"	31' 5"	27' 6"	23' 2"	28' 7"	25' 0"	21' 1"	26' 6"	23' 2"	19' 7"	25' 0"	21' 10"	18' 5"	23' 9"	20' 9"	17' 6"	22' 8"	19' 10"	16' 9"	21' 11"	18' 5"	15' 6"
600S200-118	33	16	50' 9"	40' 3"	35' 2"	31' 5"	27' 6"	23' 2"	28' 7"	25' 0"	21' 1"	26' 6"	23' 2"	19' 7"	25' 0"	21' 10"	18' 5"	23' 2"	20' 3"	17' 1"	21' 10"	17' 4"	14' 7"	19' 10"	17' 4"	14' 7"	18' 5"	16' 1"	13' 7"
600S200-118	33	24	44' 4"	35' 2"	30' 9"	27' 6"	24' 0"	20' 3"	25' 0"	21' 10"	18' 5"	23' 2"	20' 3"	17' 1"	21' 10"	19' 1"	16' 1"	20' 9"	18' 1"	15' 3"	19' 10"	17' 4"	14' 7"	18' 5"	16' 1"	13' 7"			
800S137-33	33	12	40' 6"	34' 0"	28' 8"	23' 5"	23' 2"	19' 7"	20' 3"	20' 3"	17' 9"	18' 1"	18' 1"	16' 6"	16' 6"	15' 6"	15' 4"	15' 4"	14' 9"	14' 4"	14' 4"	14' 1"	12' 10"	12' 10"	12' 10"	12' 10"	12' 10"	12' 10"	
800S137-33	33	16	35' 1"	30' 11"	27' 0"	20' 3"	20' 3"	17' 9"	20' 3"	23' 7"	17' 6"	17' 6"	16' 2"	15' 8"	15' 0"	14' 4"	14' 4"	14' 1"	13' 3"	13' 3"	13' 3"	12' 5"	12' 5"	11' 1"	11' 1"	11' 1"	11' 1"	11' 1"	11' 1"
800S137-33	33	24	28' 8"	27' 0"	23' 7"	16' 6"	16' 6"	15' 6"	14' 4"	14' 4"	14' 1"	12' 10"	12' 10"	12' 10"	11' 8"	11' 8"	11' 8"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"		
800S162-33	33	12	43' 3"	35' 5"	30' 11"	25' 0"	24' 2"	20' 4"	21' 7"	21' 7"	18' 6"	19' 4"	19' 4"	17' 2"	17' 8"	17' 8"	16' 2"	16' 4"	16' 4"	15' 4"	15' 3"	15' 3"	14' 8"	13' 8"	13' 8"	13' 8"	13' 8"	13' 8"	
800S162-33	33	16	37' 5"	32' 2"	28' 1"	21' 7"	21' 7"	18' 6"	18' 9"	18' 9"	16' 10"	16' 9"	16' 9"	15' 7"	15' 3"	15' 3"	14' 8"	14' 2"	13' 11"	13' 3"	13' 3"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"		
800S162-33	33	24	30' 7"	28' 1"	24' 7"	17' 8"	17' 8"	16' 2"	15' 3"	15' 3"	14' 8"	13' 8"	13' 8"	13' 8"	12' 6"	12' 6"	12' 6"	11' 7"	11' 7"	11' 7"	10' 10"	10' 10"	10' 10"	9' 6"	9' 6"	9' 6"	9' 6"		
800S200-33	33	12	46' 4"	37' 9"	33' 0"	26' 9"	25' 9"	21' 8"	23' 2"	23' 2"	23' 2"	19' 9"	20' 9"	18' 4"	18' 11"	18' 11"	17' 3"	17' 6"	16' 4"	16' 5"	15' 8"	14' 8"	14' 8"	14' 6"	14' 6"	14' 6"	14' 6"		
800S200-33	33	16	40' 2"	34' 3"	29' 11"	23' 2"	23' 2"	19' 9"	20' 1"	20' 1"	17' 11"	17' 11"	16' 8"	16' 5"	15' 8"	15' 2"	15' 2"	14' 10"	14' 2"	14' 2"	12' 8"	12' 8"	12' 8"	12' 8"	12' 8"	12' 8"			
800S200-33	33	24	32' 9"	29' 11"	26' 2"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"	23' 11"			
800S137-43	33	12	47' 2"	37' 5"	32' 8"	28' 1"	25' 6"	21' 6"	24' 3"	23' 2"	19' 7"	21' 9"	21' 6"	18' 7"	18' 10"	19' 10"	17' 1"	18' 4"	18' 4"	14' 5"	14' 5"	14' 5"	14' 5"	14' 5"	14' 5"	14' 5"	14' 5"	14' 5"	
800S137-43	33	16	34' 4"	29' 9"	25' 11"	19' 10"	19' 10"	17' 1"	17' 2"	17' 2"	15' 6"	15' 4"	15' 4"	14' 5"	14' 0"	14' 0"	13' 7"	13' 0"	13' 0"	12' 2"	12' 2"	12' 2"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	
800S162-43	33	12	49' 1"	38' 11"	34' 0"	26' 7"	26' 7"	22' 5"	25' 11"	24' 2"	20' 4"	23' 2"	22' 5"	18' 11"	21' 2"	21' 1"	17' 9"	19' 7"	19' 7"	16' 2"	18' 4"	18' 4"	16' 5"	16' 5"	15' 0"	15' 0"	15' 0"	15' 0"	
800S162-43	33	16	44' 7"	35' 4"	30' 11"	25' 11"	24' 2"	20' 4"	22' 5"	21' 11"	18' 6"	19' 4"	19' 4"	16' 2"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	17' 0"	
800S162-43	33	24	39' 5"	32' 2"	28' 1"	22' 9"	18' 6"	19' 8"	19' 8"	16' 10"	17' 7"	17' 7"	17' 7"	15' 7"	16' 1"	16' 1"	14' 8"	14' 11"	14' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"		
800S162-54	33	12	53' 1"	42' 2"	36' 10"	32' 11"	28' 9"	24' 3"	29' 8"	26' 1"	22' 0"	26' 6"	24' 3"	20' 5"	24' 2"	22' 10"	19' 3"	22' 5"	21' 8"	18' 3"	18' 3"	18' 3"	18' 3"	18' 3"	18' 3"	18' 3"	18' 3"	18' 3"	
800S162-54	33	16	48' 3"	38' 3"	33' 5"	29' 8"	26' 1"	22' 0"	25' 8"	23' 9"	20' 0"	23' 0"	22' 0"	18' 7"	21' 0"	20' 9"	17' 6"	21' 0"	20' 9"	18' 2"	18' 2"	15' 11"	16' 3"	16' 3"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"
800S162-54	33	24	41' 11"	33' 5"	29' 2"	24' 2"	22' 10"	19' 3"	21' 0"	20' 9"	17' 6"	18' 9"	18' 9"	16' 3"	17' 1"	17' 1"	15' 3"	15' 10"	15' 10"	14' 10"	14' 10"	13' 10"	13' 10"	13' 10"	13' 10"	13' 10"	13' 10"		
800S200-54	33	12	55' 8"	44' 2"	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' 5"	21' 9"	18' 4"	18' 4"	17' 2"	17' 2"	17' 2"	17' 2"	17' 2"	17' 2"		
800S200-54	33	16	50' 7"	40' 2"																									

See page 17 for Wall Height Table Notes



Limiting Wall Heights — Curtain Wall 2-span

Wall Height Table Notes

1. Listed span is the distance from either end to the center support, with the stud continuous past the center support.
2. Studs must be braced against rotation and lateral movement at all supports.
3. Lateral loads have not been modified for strength checks: full loads are applied.
4. 10 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.
5. Limiting heights are based on continuous support of each flange over the full length of the stud.
6. Limiting heights are based on steel properties only (non-composite).
7. End shear and web crippling capacity have not been reduced for punchouts. Punchouts are assumed to be at least 10" from the ends of members, in accordance with ASTM C955, section 4.6.
8. Web crippling check is based on 1 inch end bearing. Where limiting heights are followed by "e", web stiffeners are required.
9. Mid-Span supports not checked for web crippling. Web stiffeners required at mid-span supports.
10. 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.

(S) Stud Member	Fy (ksi)	Spacing (in) o.c.	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf			
			L/120	L/240	L/360	L/240	L/360	L/600																			
350S162-33	33	12	26' 0"	25' 3"	22' 0"	15' 0"	15' 0"	14' 6"	13' 0"	13' 0"	13' 0"	11' 8"	11' 8"	11' 8"	10' 8"	10' 8"	10' 8"	9' 10"	9' 10"	9' 10"	9' 2"	9' 2"	9' 2"	8' 3"	8' 3"	8' 3"	
350S162-33	33	16	22' 7"	22' 7"	20' 0"	13' 0"	13' 0"	13' 0"	11' 3"	11' 3"	11' 3"	10' 1"	10' 1"	10' 1"	9' 2"	9' 2"	9' 2"	8' 6"	8' 6"	8' 6"	8' 0"	8' 0"	8' 0"	7' 2"e	7' 2"e	7' 2"e	
350S162-33	33	24	18' 5"	18' 5"	17' 6"	10' 8"	10' 8"	10' 8"	9' 2"	9' 2"	9' 2"	8' 3"	8' 3"	8' 3"	7' 6"e	7' 6"e	7' 6"e	7' 0"e	7' 0"e	7' 0"e	6' 6"e	6' 6"e	6' 6"e	5' 8"e	5' 8"e	5' 8"e	
350S162-43	33	12	30' 8"	27' 5"	24' 0"	17' 8"	17' 8"	15' 9"	15' 4"	15' 4"	14' 4"	13' 9"	13' 9"	13' 4"	12' 6"	12' 6"	12' 6"	11' 7"	11' 7"	11' 7"	10' 10"	10' 10"	10' 10"	9' 8"	9' 8"	9' 8"	
350S162-43	33	16	26' 7"	24' 11"	21' 9"	15' 4"	15' 4"	14' 4"	13' 3"	13' 3"	13' 0"	11' 10"	11' 10"	11' 10"	10' 10"	10' 10"	10' 10"	10' 0"	10' 0"	10' 0"	9' 5"	9' 5"	9' 5"	8' 5"	8' 5"	8' 5"	
350S162-43	33	24	21' 8"	21' 8"	19' 0"	12' 6"	12' 6"	12' 6"	10' 10"	10' 10"	10' 10"	9' 8"	9' 8"	9' 8"	8' 10"	8' 10"	8' 10"	8' 2"	8' 2"	8' 2"	7' 8"	7' 8"	7' 8"	6' 10"	6' 10"	6' 10"	
350S162-54	33	12	34' 4"	29' 5"	25' 8"	19' 10"	19' 10"	16' 11"	17' 2"	17' 2"	15' 4"	15' 4"	15' 4"	14' 0"	14' 0"	13' 5"	13' 0"	13' 0"	12' 9"	12' 2"	12' 2"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"
350S162-54	33	16	29' 9"	26' 9"	23' 4"	17' 2"	17' 2"	15' 4"	14' 10"	14' 10"	14' 0"	13' 3"	13' 3"	13' 0"	12' 2"	12' 2"	12' 2"	11' 3"	11' 3"	11' 3"	10' 6"	10' 6"	10' 6"	9' 5"	9' 5"	9' 5"	
350S162-54	33	24	24' 3"	23' 4"	20' 5"	14' 0"	14' 0"	13' 5"	12' 2"	12' 2"	12' 2"	10' 10"	10' 10"	10' 10"	9' 11"	9' 11"	9' 11"	9' 2"	9' 2"	9' 2"	8' 7"	8' 7"	8' 7"	7' 5"	7' 5"	7' 5"	
350S162-68	33	12	39' 7"	31' 5"	27' 6"	22' 0"	21' 5"	18' 1"	19' 1"	16' 5"	17' 0"	17' 0"	15' 3"	15' 7"	15' 7"	14' 4"	14' 4"	14' 4"	14' 5"	14' 5"	13' 8"	13' 6"	13' 6"	12' 1"	12' 1"	12' 1"	
350S162-68	33	16	35' 5"	28' 7"	24' 11"	19' 1"	19' 1"	16' 5"	16' 6"	16' 6"	14' 11"	14' 9"	14' 9"	13' 10"	13' 6"	13' 6"	12' 6"	12' 6"	12' 5"	11' 8"	11' 8"	11' 8"	10' 3"	10' 3"	10' 3"		
350S162-68	33	24	28' 11"	24' 11"	21' 10"	15' 7"	15' 7"	14' 4"	13' 6"	13' 6"	13' 1"	12' 1"	12' 1"	12' 1"	11' 0"	11' 0"	11' 0"	9' 11"	9' 11"	9' 11"	9' 0"	9' 0"	9' 0"	7' 8"	7' 8"	7' 8"	
362S137-33	33	12	24' 9"	24' 9"	21' 7"	14' 3"	14' 3"	14' 3"	12' 4"	12' 4"	12' 4"	11' 1"	11' 1"	11' 1"	10' 1"	10' 1"	10' 1"	9' 4"	9' 4"	9' 4"	8' 9"	8' 9"	8' 9"	7' 10"	7' 10"	7' 10"	
362S137-33	33	16	21' 5"	21' 5"	19' 8"	12' 4"	12' 4"	12' 4"	10' 9"	10' 9"	10' 9"	9' 7"	9' 7"	9' 7"	8' 9"	8' 9"	8' 9"	8' 1"	8' 1"	8' 1"	7' 7"	7' 7"	7' 7"	6' 9"e	6' 9"e	6' 9"e	
362S137-33	33	24	17' 6"	17' 6"	17' 2"	10' 1"	10' 1"	10' 1"	8' 9"	8' 9"	8' 9"	7' 10"	7' 10"	7' 10"	7' 2"	7' 2"	7' 2"	6' 7"e	6' 7"e	6' 7"e	6' 2"e	6' 2"e	6' 2"e	5' 6"e	5' 6"e	5' 6"e	
362S162-33	33	12	26' 7"	25' 11"	22' 8"	15' 4"	15' 4"	14' 11"	13' 3"	13' 3"	13' 3"	11' 11"	11' 11"	11' 11"	10' 10"	10' 10"	10' 10"	10' 0"	10' 0"	10' 0"	9' 5"	9' 5"	9' 5"	8' 5"	8' 5"	8' 5"	
362S162-33	33	16	23' 0"	23' 0"	20' 7"	13' 3"	13' 3"	13' 3"	11' 6"	11' 6"	11' 6"	10' 3"	10' 3"	10' 3"	9' 5"	9' 5"	9' 5"	8' 8"	8' 8"	8' 8"	8' 2"	8' 2"	8' 2"	7' 3"e	7' 3"e	7' 3"e	
362S162-33	33	24	18' 9"	18' 9"	18' 0"	10' 10"	10' 10"	10' 10"	9' 5"	9' 5"	9' 5"	8' 5"	8' 5"	8' 5"	7' 8"e	7' 8"e	7' 8"e	7' 1"e	7' 1"e	7' 1"e	6' 8"e	6' 8"e	6' 8"e	5' 11"e	5' 11"e	5' 11"e	
362S200-33	33	12	27' 10"	27' 4"	23' 11"	16' 1"	16' 1"	15' 9"	13' 11"	13' 11"	13' 11"	12' 5"	12' 5"	12' 5"	11' 4"	11' 4"	11' 4"	10' 6"	10' 6"	10' 6"	9' 10"	9' 10"	9' 10"	8' 10"	8' 10"	8' 10"	
362S200-33	33	16	24' 1"	24' 1"	21' 8"	13' 11"	13' 11"	13' 11"	12' 1"	12' 1"	12' 1"	10' 9"	10' 9"	10' 9"	9' 10"	9' 10"	9' 10"	9' 1"	9' 1"	9' 1"	8' 6"e	8' 6"e	8' 6"e	7' 7"e	7' 7"e	7' 7"e	
362S200-33	33	24	19' 8"	19' 8"	19' 0"	11' 4"	11' 4"	11' 4"	9' 10"	9' 10"	9' 10"	8' 10"	8' 10"	8' 10"	8' 0"e	8' 0"e	8' 0"e	7' 5"e	7' 5"e	7' 5"e	7' 0"e	7' 0"e	7' 0"e	6' 1"e	6' 1"e	6' 1"e	
362S137-43	33	12	29' 0"	26' 11"	23' 6"	16' 9"	16' 9"	15' 6"	14' 6"	14' 6"	14' 1"	13' 0"	13' 0"	13' 0"	11' 10"	11' 10"	11' 10"	11' 0"	11' 0"	11' 0"	10' 3"	10' 3"	10' 3"	9' 2"	9' 2"	9' 2"	
362S137-43	33	16	25' 2"	24' 5"	21' 4"	14' 6"	14' 6"	14' 1"	12' 7"	12' 7"	12' 7"	11' 3"	11' 3"	11' 3"	10' 3"	10' 3"	10' 3"	9' 6"	9' 6"	9' 6"	8' 11"	8' 11"	8' 11"	7' 11"e	7' 11"e	7' 11"e	
362S137-43	33	24	20' 6"	20' 6"	18' 8"	11' 10"	11' 10"	11' 10"	10' 3"	10' 3"	10' 3"	9' 2"	9' 2"	9' 2"	8' 5"	8' 5"	8' 5"	7' 9"	7' 9"	7' 9"	7' 3"	7' 3"	7' 3"	6' 6"	6' 6"	6' 6"	
362S162-43	33	12	31' 4"	28' 2"	24' 8"	18' 1"	18' 1"	16' 3"	15' 8"	15' 8"	14' 9"	14' 0"	14' 0"	13' 8"	12' 9"	12' 9"	12' 9"	11' 10"	11' 10"	11' 10"	11' 1"e	11' 1"e	11' 1"e	9' 11"e	9' 11"e	9' 11"e	
362S162-43	33	16	27' 1"	25' 7"	22' 5"	15' 8"	15' 8"	14' 9"	13' 7"	13' 7"	13' 5"	12' 1"	12' 1"	12' 1"	11' 1"	11' 1"	11' 1"	10' 3"	10' 3"	10' 3"	9' 7"	9' 7"	9' 7"	8' 7"	8' 7"	8' 7"	
362S162-43	33	24	22' 2"	22' 2"	19' 7"	12' 9"	12' 9"	12' 9"	11' 1"	11' 1"	11' 1"	9' 11"	9' 11"	9' 11"	9' 0"	9' 0"	9' 0"	8' 4"	8' 4"	8' 4"	7' 10"	7' 10"	7' 10"	7' 0"	7' 0"	7' 0"	
362S200-43	33	12	33' 6"	29' 9"	26' 0"	19' 4"	19' 4"	17' 2"	16' 9"	16' 9"	15' 7"	15' 0"	15' 0"	14' 5"	13' 8"	13' 8"	13' 7"	12' 8"	12' 8"	12' 8"	11' 10"	11' 10"	11' 10"	10' 7"	10' 7"	10' 7"	
362S200-43	33	16	29' 0"	27' 1"	23' 8"	16' 9"	16' 9"	15' 7"	14' 6"	14' 6"	14' 2"	13' 0"	13' 0"	13' 0"	11' 10"	11' 10"	11' 10"	10' 3"	10' 3"	10' 3"	9' 2"	9' 2"	9' 2"	8' 5"	8' 5"	8' 5"	
362S200-43	33	24	23' 9"	23' 8"	20' 8"	13' 8"	13' 8"	13' 7"	11' 10"	11' 10"	11' 10"	10' 7"	10' 7"	10' 7"	9' 8"	9' 8"	9' 8"	9' 0"	9' 0"	9' 0"	8' 5"	8' 5"	8' 5"	7' 6"e	7' 6"e	7' 6"e	
362S137-54	33	12	32' 7"	28' 10"	25' 2"	18' 9"	18' 9"	16' 7"	16' 3"	16' 3"	15' 1"	14' 7"	14' 7"	14' 0"	13' 3"	13' 3"	13' 2"	12' 4"	12' 4"	12' 4"	11' 6"	11' 6"	11' 6"	10' 4"	10' 4"	10' 4"	
362S137-54	33	16	28' 2"	26' 2"	22' 10"	16' 3"	16' 3"	15' 1"	14' 1"	14' 1"	13' 8"	12' 7"	12' 7"	12' 7"	11' 6"	11' 6"	11' 6"	10' 8"	10' 8"	10' 8"	10' 0"	10' 0"	10' 0"	8' 11"	8' 11"	8' 11"	
362S137-54	33	24	23' 0"	22' 10"	20' 0"	13' 3"	13' 3"	13' 2"	11' 6"	11' 6"	11' 6"	10' 4"	10' 4"	10' 4"	9' 5"	9' 5"	9' 5"	8' 8"	8' 8"	8' 8"	8' 2"	8' 2"	8' 2"	7' 3"	7' 3"	7' 3"	
362S162-54	33	12	35' 1"	30' 2"	26' 5"	20' 3"	20' 3"	17' 5"	17' 6"	17' 6"	15' 9"	15' 8"	14' 8"	14' 4"	12' 5"	12' 5"	12' 5"	11' 6"	11' 6"	11' 6"	10' 9"	10' 9"	10' 9"	9' 7"	9' 7"	9' 7"	
362S162-54	33	16	30' 4"	27' 5"	24' 0"	17' 6"	17' 6"	15' 9"	15' 2"	15' 2"	14' 4"	13' 7"	13' 7"	13' 4"	12' 5"	12' 5"	12' 5"	11' 6"	11' 6"	11' 6"	10' 9"	10' 9"	10' 9"	9' 7"	9' 7"	9' 7"	
362S162-54	33	24	24' 9"	24' 0"	20' 11"	14' 4"	14' 4"	13' 10"	12' 5"	12' 5"	12' 4"	12' 4"	12' 4"	12' 4"	11' 3"	11' 3"	11' 3"	10' 5"	10' 5"	10' 5"	9' 7						

Limiting Wall Heights — Curtain Wall 2-span

(S) Stud Member	Fy (ksi)	Spacing (in) o.c.	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 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	L/240	L/360	L/600		
400S162-33	33	12	28' 1"	28' 0"	24' 5"	16' 2"	16' 2"	16' 1"	14' 0"	14' 0"	14' 0"	12' 7"	12' 7"	12' 7"	11' 5"	11' 5"	11' 5"	10' 7"	10' 7"	10' 7"	9' 11"	9' 11"	9' 11"	8' 10" e 8' 10" e 8' 10" e	7' 8" e 7' 8" e 7' 8" e	7' 8" e 7' 8" e 7' 8" e		
400S162-33	33	16	24' 4"	24" 2"	22' 2"	14' 0"	14' 0"	14' 0"	12' 2"	12' 2"	12' 2"	10' 10"	10' 10"	10' 10"	9' 11"	9' 11"	9' 11"	9' 2"	9' 2"	9' 2"	8' 7" e	8' 7" e	8' 7" e	7' 8" e 7' 8" e 7' 8" e	7' 8" e 7' 8" e 7' 8" e	7' 8" e 7' 8" e 7' 8" e		
400S162-33	33	24	19' 10"	19' 10"	19' 5"	11' 5"	11' 5"	11' 5"	9' 11"	9' 11"	9' 11"	8' 10" e	8' 10" e	8' 10" e	8' 1" e	8' 1" e	8' 1" e	7' 6" e	7' 6" e	7' 6" e	7' 0" e	7' 0" e	7' 0" e	6' 3" e	6' 3" e	6' 3" e	6' 3" e	
400S200-33	33	12	29' 5"	29' 5"	25' 9"	17' 0"	17' 0"	17' 0"	14' 9"	14' 9"	14' 9"	13' 2"	13' 2"	13' 2"	12' 0"	12' 0"	12' 0"	11' 1"	11' 1"	11' 1"	10' 5"	10' 5"	10' 5"	9' 4" e	9' 4" e	9' 4" e	9' 4" e	
400S200-33	33	16	25' 6"	25' 6"	23' 5"	14' 9"	14' 9"	14' 9"	12' 9"	12' 9"	12' 9"	11' 5"	11' 5"	11' 5"	10' 5"	10' 5"	10' 5"	9' 8" e	9' 8" e	9' 8" e	9' 0" e	9' 0" e	9' 0" e	8' 1" e	8' 1" e	8' 1" e	8' 1" e	
400S200-33	33	24	20' 10"	20' 10"	20' 5"	12' 0"	12' 0"	12' 0"	10' 5"	10' 5"	10' 5"	9' 4" e	9' 4" e	9' 4" e	8' 6" e	8' 6" e	8' 6" e	7' 10" e	7' 10" e	7' 10" e	7' 4" e	7' 4" e	7' 4" e	6' 7" e	6' 7" e	6' 7" e	6' 7" e	
400S137-43	33	12	30' 9"	29' 1"	25' 5"	17' 9"	17' 9"	16' 9"	15' 4"	15' 4"	15' 2"	13' 9"	13' 9"	13' 9"	12' 7"	12' 7"	12' 7"	11' 7"	11' 7"	11' 7"	10' 10" e	10' 10" e	10' 10" e	9' 9"	9' 9"	9' 9"	9' 9"	
400S137-43	33	16	26' 8"	26' 5"	23' 1"	15' 4"	15' 4"	15' 2"	13' 4"	13' 4"	13' 4"	11' 11"	11' 11"	11' 11"	10' 10"	10' 10"	10' 10"	10' 1"	10' 1"	10' 1"	9' 5"	9' 5"	9' 5"	8' 5"	8' 5"	8' 5"	8' 5"	
400S137-43	33	24	21' 9"	21' 9"	20' 2"	12' 7"	12' 7"	12' 7"	10' 10"	10' 10"	10' 10"	9' 9"	9' 9"	9' 9"	8' 11"	8' 11"	8' 11"	8' 3"	8' 3"	8' 3"	7' 8"	7' 8"	7' 8"	6' 11"	6' 11"	6' 11"	6' 11"	
400S162-43	33	12	33' 2"	30' 5"	26' 7"	19' 2"	19' 2"	17' 6"	16' 7"	16' 7"	15' 11"	14' 10"	14' 10"	14' 9"	13' 6"	13' 6"	13' 6"	12' 6"	12' 6"	12' 6"	11' 9"	11' 9"	11' 9"	10' 6"	10' 6"	10' 6"	10' 6"	
400S162-43	33	16	28' 8"	27' 8"	24' 2"	16' 7"	16' 7"	15' 11"	14' 4"	14' 4"	14' 4"	12' 10"	12' 10"	12' 10"	11' 9"	11' 9"	11' 9"	10' 10"	10' 10"	10' 10"	9' 1"	9' 1"	9' 1"	9' 1"	9' 1"	9' 1"	9' 1"	
400S162-43	33	24	23' 5"	23' 5"	21' 1"	13' 6"	13' 6"	11' 9"	11' 9"	11' 9"	10' 6"	10' 6"	10' 6"	9' 7"	9' 7"	9' 7"	8' 10"	8' 10"	8' 10"	8' 3"	8' 3"	8' 3"	7' 5" e	7' 5" e	7' 5" e	7' 5" e		
400S200-43	33	12	35' 6"	32' 1"	28' 1"	20' 6"	20' 6"	18' 6"	17' 9"	17' 9"	15' 11"	15' 11"	15' 11"	14' 6"	14' 6"	14' 6"	13' 5"	13' 5"	13' 5"	12' 7"	12' 7"	12' 7"	11' 3" e	11' 3" e	11' 3" e	11' 3" e		
400S200-43	33	16	30' 9"	29' 2"	25' 6"	17' 9"	17' 9"	16' 9"	15' 11"	15' 11"	15' 11"	14' 5"	14' 5"	14' 5"	13' 2"	13' 2"	13' 2"	12' 2"	12' 2"	12' 2"	11' 5"	11' 5"	11' 5"	10' 2"	10' 2"	10' 2"	10' 2"	
400S137-54	33	12	34' 7"	31' 1"	27' 1"	19' 11"	19' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	17' 11"	
400S137-54	33	16	29' 11"	28' 3"	24' 8"	17' 3"	17' 3"	16' 3"	15' 0"	15' 0"	15' 0"	14' 1"	14' 1"	14' 1"	13' 2"	13' 2"	13' 2"	12' 3"	12' 3"	12' 3"	11' 4"	11' 4"	11' 4"	10' 7"	10' 7"	10' 7"	10' 7"	
400S137-54	33	24	24' 5"	24' 5"	21' 7"	14' 1"	14' 1"	14' 1"	12' 3"	12' 3"	12' 3"	10' 11"	10' 11"	10' 11"	10' 0"	10' 0"	10' 0"	9' 3"	9' 3"	9' 3"	8' 8"	8' 8"	8' 8"	7' 9"	7' 9"	7' 9"	7' 9"	
400S162-54	33	12	37' 3"	32' 7"	28' 6"	21' 6"	21' 6"	18' 9"	18' 7"	18' 7"	17' 11"	17' 11"	17' 11"	16' 8"	16' 8"	16' 8"	15' 2"	15' 2"	15' 2"	14' 1"	14' 1"	14' 1"	13' 2"	13' 2"	13' 2"	13' 2"		
400S162-54	33	16	32' 3"	29' 8"	25' 11"	18' 7"	18' 7"	17' 11"	16' 1"	16' 1"	15' 6"	14' 5"	14' 5"	13' 2"	13' 2"	13' 2"	12' 2"	12' 2"	12' 2"	11' 5"	11' 5"	11' 5"	10' 2"	10' 2"	10' 2"	10' 2"		
400S162-54	33	24	26' 4"	25' 11"	22' 7"	15' 2"	15' 2"	14' 11"	13' 2"	13' 2"	13' 2"	11' 9"	11' 9"	11' 9"	10' 9"	10' 9"	10' 9"	9' 11"	9' 11"	9' 11"	9' 4"	9' 4"	9' 4"	8' 4"	8' 4"	8' 4"	8' 4"	
400S200-54	33	12	40' 6"	34' 5"	30' 1"	23' 5"	23' 5"	19' 10"	20' 3"	20' 3"	20' 3"	18' 0"	18' 0"	18' 0"	18' 1"	18' 1"	18' 1"	16' 6"	16' 6"	16' 6"	15' 4"	15' 4"	15' 4"	14' 4" e 14' 4" e 14' 4" e	14' 4" e 14' 4" e 14' 4" e	14' 4" e 14' 4" e 14' 4" e	12' 10" e 12' 10" e 12' 10" e	
400S200-54	33	16	35' 1"	31' 3"	27' 4"	20' 3"	20' 3"	18' 0"	17' 6"	17' 6"	17' 6"	16' 4"	16' 4"	16' 4"	15' 8"	15' 8"	15' 8"	14' 4" e	14' 4" e	14' 4" e	13' 3" e 13' 3" e 13' 3" e	13' 3" e 13' 3" e 13' 3" e	13' 3" e 13' 3" e 13' 3" e	12' 5" e 12' 5" e 12' 5" e	12' 5" e 12' 5" e 12' 5" e	12' 5" e 12' 5" e 12' 5" e	11' 1" e 11' 1" e 11' 1" e	
400S200-54	33	24	28' 8"	27' 4"	23' 10"	16' 6"	16' 6"	15' 9"	14' 4"	14' 4"	14' 4"	12' 10"	12' 10"	12' 10"	11' 8"	11' 8"	11' 8"	10' 10"	10' 10"	10' 10"	10' 2"	10' 2"	10' 2"	9' 1"	9' 1"	9' 1"	9' 1"	
400S137-68	33	12	38' 8"	33' 3"	29' 1"	22' 4"	22' 4"	19' 4"	19' 4"	19' 4"	17' 5"	17' 4"	17' 4"	17' 4"	15' 9"	15' 9"	15' 9"	14' 7"	14' 7"	14' 7"	13' 8" e 13' 8" e 13' 8" e	13' 8" e 13' 8" e 13' 8" e	13' 8" e 13' 8" e 13' 8" e	12' 3" e 12' 3" e 12' 3" e	12' 3" e 12' 3" e 12' 3" e	12' 3" e 12' 3" e 12' 3" e	12' 3" e 12' 3" e 12' 3" e	
400S137-68	33	16	33' 6"	30' 3"	26' 5"	19' 4"	19' 4"	17' 5"	16' 9"	16' 9"	15' 10"	15' 0"	15' 0"	14' 8"	13' 8"	13' 8"	12' 8"	12' 8"	12' 8"	11' 10" e 11' 10" e 11' 10" e	11' 10" e 11' 10" e 11' 10" e	11' 10" e 11' 10" e 11' 10" e	10' 7" e 10' 7" e 10' 7" e	10' 7" e 10' 7" e 10' 7" e	10' 7" e 10' 7" e 10' 7" e	10' 7" e 10' 7" e 10' 7" e		
400S137-68	33	24	27' 4"	26' 5"	23' 1"	15' 1"	15' 1"	15' 1"	13' 9" e 13' 9" e 13' 9" e	13' 9" e 13' 9" e 13' 9" e	13' 9" e 13' 9" e 13' 9" e	12' 4" e 12' 4" e 12' 4" e	12' 4" e 12' 4" e 12' 4" e	12' 4" e 12' 4" e 12' 4" e	11' 3" e 11' 3" e 11' 3" e	11' 3" e 11' 3" e 11' 3" e	11' 3" e 11' 3" e 11' 3" e	10' 4" e 10' 4" e 10' 4" e	10' 4" e 10' 4" e 10' 4" e	10' 4" e 10' 4" e 10' 4" e	12' 6" e 12' 6" e 12' 6" e	12' 6" e 12' 6" e 12' 6" e	12' 6" e 12' 6" e 12' 6" e	11' 2" e 11' 2" e 11' 2" e				
400S162-68	33	12	56' 3"	44' 10"	39' 2"	32' 6"	30' 7"	25' 10"	28' 1"	27' 10"	23' 6"	22' 1"	21' 9"	21' 9"	21' 9"	20' 6"	20' 6"	20' 6"	19' 11"	19' 11"	19' 11"	18' 7" e 18' 7" e 18' 7" e	18' 7" e 18' 7" e 18' 7" e	18' 7" e 18' 7" e 18' 7" e	17' 3" e 17' 3" e 17' 3" e	17' 3" e 17' 3" e 17' 3" e	17' 3" e 17' 3" e 17' 3" e	17' 3" e 17' 3" e 17' 3" e
400S162-68	33	16	48' 8"	40' 9"	35' 7"	28' 1"	27' 10"	23' 6"	24' 4"	24' 4"	21' 4"	21' 9"	21' 9"	21' 9"	18' 5"	18' 5"	18' 5"	17' 10"	17' 10"	17' 10"	16' 8" e 16' 8" e 16' 8" e	16' 8" e 16' 8" e 16' 8" e	16' 8" e 16' 8" e 16' 8" e	15' 5" e 15' 5" e 15' 5" e	15' 5" e 15' 5" e 15' 5" e	15' 5" e 15' 5" e 15' 5" e	15' 5" e 15' 5" e 15' 5" e	
400S162-68	33	24	39' 9"	35' 7"	31' 1"	23' 0"	23' 0"	20' 6"	19' 11"	19' 11"	17' 8"	17' 9"	17' 9"	17' 9"	16' 3"	16' 3"	16' 3"	15' 0"	15' 0"	15' 0"	14' 1" e 14' 1" e 14' 1" e	14' 1" e 14' 1" e 14' 1" e	14' 1" e 14' 1" e 14' 1" e	12' 7" e 12' 7" e 12' 7" e	12' 7" e 12' 7" e 12' 7" e	12' 7" e 12' 7" e 12' 7" e	12' 7" e 12' 7" e 12' 7" e	
600S137-33	33	12	34' 7"	34' 7"	31' 11"	20' 0"	20' 0"	20' 0"	17' 4"	17' 4"	17' 4"	15' 6"	15' 6"	15' 6"	14' 2" e	14' 2" e	14' 2" e	13' 1" e	13' 1" e	13' 1" e	12' 3" e 12' 3" e 12' 3" e	12' 3" e 12' 3" e 12' 3" e	12' 3" e 12' 3" e 12' 3" e	10' 11" e 10' 11" e 10' 11" e	10' 11" e 10' 11" e 10' 11" e	10' 11" e 10' 11" e 10' 11" e	10' 11" e 10' 11" e 10' 11" e	
600S137-33	33	16	30' 0"	30' 0"	29' 0"	17' 4"	17' 4"	17' 4"	15' 0"	15' 0"	15' 0"	13' 5" e	13' 5" e	13' 5" e	12' 3" e	12' 3" e	12' 3" e	11' 4" e	11' 4" e	11' 4" e	10' 7" e</td							

Limiting Wall Heights — Curtain Wall 2-span

(S) Stud Member	Fy (ksi)	Spacing (in. o.c.)	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf				
			L/120	L/240	L/360	L/240	L/360	L/600																				
600S137-68	33	12	56' 8"	46' 1"	40' 3"	32' 8"	31' 5"	26' 6"	28' 4"	28' 4"	24' 1"	25' 4"	25' 4"	22' 4"	23' 1"	23' 1"	21' 0"	21' 5"	21' 5"	20' 0"	20' 0"	19' 1"	17' 11"	17' 11"	17' 9"			
600S137-68	33	16	49' 0"	41' 10"	36' 7"	28' 4"	28' 4"	24' 1"	24' 6"	24' 6"	21' 11"	21' 11"	21' 11"	20' 4"	20' 0"	20' 0"	19' 1"	18' 6"	18' 6"	18' 2"	17' 4"	17' 4"	17' 4"	15' 6"	15' 6"	15' 6"		
600S137-68	33	24	40' 0"	36' 7"	31' 11"	23' 1"	23' 1"	21' 0"	20' 0"	20' 0"	19' 1"	17' 11"	17' 11"	17' 9"	16' 4"	16' 4"	16' 4"	15' 2"	15' 2"	15' 2"	14' 2"	14' 2"	14' 2"	12' 8"	12' 8"	12' 8"		
600S162-68	33	12	59' 9"	48' 1"	42' 0"	34' 6"	32' 10"	27' 8"	29' 11"	29' 10"	25' 2"	26' 9"	26' 9"	23' 4"	24' 5"	24' 5"	22' 0"	22' 7"	22' 7"	22' 7"	21' 2"	21' 2"	20' 0"	18' 11"	18' 11"	18' 6"		
600S162-68	33	16	51' 9"	43' 8"	38' 2"	29' 11"	29' 10"	25' 2"	25' 11"	25' 11"	22' 10"	23' 2"	23' 2"	21' 3"	21' 2"	21' 2"	20' 0"	19' 7"	19' 7"	19' 0"	18' 4"	18' 4"	18' 2"	16' 4"	16' 4"	16' 4"		
600S162-68	33	24	42' 3"	38' 2"	33' 4"	24' 5"	24' 5"	22' 0"	21' 2"	21' 2"	20' 0"	18' 11"	18' 11"	18' 6"	17' 3"	17' 3"	17' 3"	16' 0"	16' 0"	16' 0"	14' 11"	14' 11"	14' 11"	13' 4"	13' 4"	13' 4"		
600S200-68	33	12	63' 8"	50' 7"	44' 2"	36' 9"	34' 6"	29' 1"	31' 10"	31' 4"	26' 5"	27' 7"	27' 7"	24' 0"	24' 8"	24' 8"	22' 4"	22' 6"	22' 6"	21' 0"	20' 10"	19' 11"	19' 6"	19' 1"	17' 5"	17' 5"	17' 5"	
600S200-68	33	16	55' 2"	46' 0"	40' 2"	31' 10"	31' 4"	26' 5"	27' 7"	27' 7"	24' 0"	24' 8"	24' 8"	22' 4"	22' 6"	22' 6"	21' 0"	20' 10"	20' 10"	19' 11"	19' 6"	19' 1"	17' 5"	17' 5"	17' 5"	17' 5"		
600S200-68	33	24	45' 0"	40' 2"	35' 1"	26' 0"	26' 0"	23' 1"	22' 6"	22' 6"	21' 0"	20' 2"	20' 2"	19' 6"	18' 5"	18' 5"	18' 4"	17' 0"	17' 0"	17' 0"	15' 11"	15' 11"	15' 11"	14' 3"	14' 3"	14' 3"		
600S137-97	33	12	64' 2"	50' 11"	44' 6"	39' 2"	34' 9"	29' 4"	33' 11"	31' 7"	26' 8"	30' 4"	29' 4"	24' 9"	27' 8"	27' 7"	23' 3"	25' 8"	25' 8"	22' 1"	24' 0"	24' 0"	21' 2"	21' 5"	21' 5"	19' 7"		
600S137-97	33	16	58' 4"	46' 4"	40' 5"	31' 11"	31' 7"	26' 8"	29' 4"	28' 8"	24' 2"	26' 3"	26' 3"	22' 6"	24' 0"	24' 0"	21' 2"	22' 2"	22' 2"	20' 1"	20' 9"	19' 2"	18' 7"	17' 10"				
600S137-97	33	24	47' 11"	40' 5"	35' 4"	27' 8"	27' 7"	23' 3"	24' 0"	24' 0"	21' 2"	21' 5"	19' 7"	19' 7"	19' 7"	18' 1"	18' 1"	18' 1"	16' 11"	16' 11"	16' 11"	16' 9"	15' 2"	15' 2"	15' 2"			
600S162-97	33	12	67' 2"	53' 4"	46' 7"	41' 4"	36' 4"	30' 8"	35' 9"	33' 1"	27' 10"	32' 0"	30' 8"	25' 10"	29' 2"	28' 10"	24' 4"	27' 0"	27' 0"	23' 2"	25' 3"	25' 3"	22' 1"	22' 7"	20' 6"			
600S162-97	33	16	61' 0"	48' 5"	42' 4"	35' 9"	33' 1"	27' 10"	31' 0"	30' 0"	25' 4"	27' 8"	27' 8"	23' 6"	25' 3"	25' 3"	22' 1"	23' 5"	23' 5"	21' 0"	21' 11"	21' 11"	20' 1"	19' 7"	19' 7"	18' 8"		
600S162-97	33	24	50' 7"	42' 4"	37' 0"	29' 2"	28' 10"	24' 4"	25' 3"	25' 3"	22' 1"	22' 7"	22' 7"	20' 6"	20' 8"	20' 8"	19' 4"	19' 1"	19' 1"	18' 4"	17' 11"	17' 11"	17' 7"	16' 0"	16' 0"	16' 0"		
600S200-97	33	12	70' 9"	56' 2"	49' 1"	43' 10"	38' 4"	32' 4"	38' 1"	34' 10"	29' 4"	34' 1"	32' 4"	27' 3"	31' 1"	30' 5"	25' 8"	28' 9"	28' 9"	24' 4"	26' 11"	26' 11"	23' 4"	24' 1"	24' 1"	21' 8"		
600S200-97	33	16	64' 4"	51' 0"	44' 7"	38' 1"	34' 10"	29' 4"	33' 0"	31' 8"	26' 8"	29' 6"	29' 4"	24' 9"	26' 11"	26' 11"	23' 4"	24' 11"	24' 11"	22' 2"	23' 4"	23' 4"	21' 2"	20' 10"	20' 10"	19' 8"		
600S200-97	33	24	53' 10"	44' 7"	38' 11"	31' 1"	30' 5"	25' 8"	26' 11"	26' 11"	23' 4"	24' 1"	24' 1"	21' 8"	22' 0"	22' 0"	20' 4"	20' 4"	20' 4"	19' 0"	19' 0"	18' 6"	17' 0"	17' 0"	17' 0"	17' 0"		
600S162-118	33	12	70' 11"	56' 4"	49' 2"	44' 0"	38' 5"	32' 5"	39' 6"	34' 11"	29' 5"	34' 3"	31' 8"	26' 9"	30' 7"	29' 5"	24' 10"	32' 3"	32' 3"	27' 8"	23' 4"	23' 4"	21' 2"	25' 0"	25' 0"	21' 8"		
600S162-118	33	16	64' 5"	51' 2"	44' 8"	39' 6"	34' 11"	29' 5"	34' 3"	31' 8"	26' 9"	30' 7"	29' 5"	24' 10"	32' 3"	32' 3"	27' 8"	23' 4"	23' 4"	21' 2"	25' 0"	25' 0"	21' 8"	19' 8"				
600S162-118	33	24	55' 10"	44' 8"	39' 9"	32' 3"	30' 6"	25' 9"	27' 11"	27' 8"	23' 4"	25' 0"	25' 0"	21' 8"	22' 10"	22' 10"	20' 5"	21' 1"	21' 1"	19' 5"	19' 9"	19' 9"	18' 7"	17' 3"				
600S200-118	33	12	74' 10"	59' 5"	51' 11"	46' 5"	40' 6"	34' 2"	42' 1"	36' 10"	31' 1"	36' 5"	33' 5"	28' 3"	32' 7"	31' 1"	26' 2"	29' 9"	29' 9"	24' 8"	26' 11"	26' 11"	22' 11"	26' 7"	26' 7"	22' 11"		
600S200-118	33	16	68' 0"	54' 0"	47' 2"	42' 1"	36' 10"	31' 1"	36' 5"	33' 5"	28' 3"	32' 7"	31' 1"	26' 2"	29' 9"	29' 9"	24' 8"	27' 6"	27' 6"	23' 5"	25' 9"	25' 9"	22' 5"	23' 0"	23' 0"	20' 10"		
600S200-118	33	24	59' 5"	47' 2"	41' 2"	34' 4"	32' 2"	27' 2"	29' 9"	29' 3"	24' 8"	26' 7"	26' 7"	22' 11"	22' 6"	22' 6"	20' 5"	21' 0"	21' 0"	19' 7"	18' 10"	18' 10"	18' 2"					
800S137-33	33	12	40' 6"	40' 6"	39' 10"	23' 5"	23' 5"	23' 5"	20' 3"	20' 3"	20' 3"	18' 1"	18' 1"	18' 1"	18' 1"	16' 6"	16' 6"	16' 6"	16' 6"	15' 3"	15' 3"	15' 3"	13' 11"	13' 11"	13' 11"	11' 11"	11' 11"	11' 11"
800S137-33	33	16	35' 1"	35' 1"	35' 1"	20' 3"	20' 3"	20' 3"	17' 6"	17' 6"	17' 6"	15' 8"	15' 8"	15' 8"	15' 8"	13' 11"	13' 11"	13' 11"	13' 11"	11' 4"	11' 4"	11' 4"	9' 8"	9' 8"	9' 8"	9' 8"	9' 8"	9' 8"
800S137-33	33	24	28' 8"	28' 8"	28' 8"	16' 6"	16' 6"	16' 6"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	13' 11"	
800S162-33	33	12	43' 3"	43' 3"	41' 6"	25' 0"	25' 0"	25' 0"	21' 7"	21' 7"	21' 7"	19' 4"	19' 4"	19' 4"	19' 4"	17' 8"	17' 8"	17' 8"	17' 8"	15' 4"	15' 4"	15' 4"	14' 6"	14' 6"	14' 6"	12' 4"	12' 4"	12' 4"
800S162-33	33	16	37' 5"	37' 5"	37' 5"	21' 7"	21' 7"	21' 7"	18' 9"	18' 9"	18' 9"	16' 5"	16' 5"	16' 5"	16' 5"	14' 6"	14' 6"	14' 6"	14' 6"	12' 11"	12' 11"	12' 11"	10' 0"	10' 0"	10' 0"	10' 0"	10' 0"	10' 0"
800S162-33	33	24	30' 7"	30' 7"	30' 7"	17' 8"	17' 8"	17' 8"	17' 8"	17' 8"	17' 8"	14' 6"	14' 6"	14' 6"	14' 6"	12' 11"	12' 11"	12' 11"	12' 11"	10' 0"	10' 0"	10' 0"	10' 0"	10' 0"	10' 0"			
800S200-33	33	12	46' 4"	46' 4"	44' 2"	26' 9"	26' 9"	26' 9"	23' 2"	23' 2"	23' 2"	20' 9"	20' 9"	20' 9"	20' 9"	18' 5"	18' 5"	18' 5"	18' 5"	16' 7"	16' 7"	16' 7"	15' 1"	15' 1"	15' 1"	12' 9"	12' 9"	12' 9"
800S200-33	33	16	40' 2"	40' 2"	40' 2"	24' 2"	24' 2"	24' 2"	20' 0"	20' 0"	20' 0"	17' 2"	17' 2"	17' 2"	17' 2"	15' 1"	15' 1"	15' 1"	15' 1"	13' 5"	13' 5"	13' 5"	13' 5"	13' 5"	13' 5"	10' 4"	10' 4"	10' 4"
800S200-33	33	24	32' 9"	32' 9"	32' 9"	18' 5"	18' 5"	18' 5"	15' 1"	15' 1"	15' 1"	12' 9"	12' 9"	12' 9"	12' 9"	11' 2"	11' 2"	11' 2"	11' 2"	9' 11"	9' 11"	9' 11"	8' 11"	8' 11"	8' 11"	7' 6"	7' 6"	7' 6"
800S137-43	33	12	48' 7"	48' 7"	43' 10"	28' 1"	28' 1"	28' 1"	24' 3"	24' 3"	24' 3"	21' 9"	21' 9"	21' 9"	21' 9"	19' 10"	19' 10"	19' 10"	19' 10"	18' 4"	18' 4"	18' 4"	15' 4"	15' 4"	15' 4"	15' 4"	15' 4"	15' 4"
800S137-43	33	16	42' 1"	42' 1"	39' 10"	24' 3"	24' 3"	24' 3"	21' 0"	21' 0"	21' 0"	18' 10"	18' 10"	18' 10"	18' 10"	17' 2"	17' 2"	17' 2"	17' 2"	15' 11"	15' 11"	15' 11"	14' 10"	14' 10"	14' 10"	13' 4"	13' 4"	13' 4"
800S137-43	33	24	34' 4"	34' 4"	34' 4"	19' 10"	19' 10"	19' 10"	17' 2"	17' 2"	17' 2"	15' 4"	15' 4"	15' 4"	15' 4"	13' 0"	13' 0"	13' 0"	13' 0"	12' 2"	12' 2"	12' 2"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"
800																												

Combined Axial and Lateral Load Tables

Combined Loading Allowable Axial Load Table Notes

- Allowable axial loads listed in kips (1 kip = 1000 pounds).
- Allowable axial loads determined in accordance with section C5 of the 2004 AISI Specification, with section D4 used for treatment of punchouts, and assuming that all axial loads pass through the geometric center of the section.
- Listed lateral pressures and axial loads have not been modified for 1/3 stress increase based on wind/earthquake or multiple transient loads.
- Allowable axial loads based on lateral and torsional bracing at a maximum spacing of 4 feet on center.
- With the exception of 5 psf interior walls, wind pressures have been multiplied by 0.7 for deflection determination, in accordance with footnote f of IBC table 1604.3.
- Studs are assumed to be adequately braced at a maximum spacing of L_u to develop full allowable moment, M_a .
- End supports have not been checked for web crippling. See page 48 for web crippling values.
- All tables are based on simple (single) span.

5 psf Lateral Load (Interior Walls Only)																	
Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)				362S137-(mils)				362S162-(mils)				362S200-(mils)			
		33 ksi	43	54	68	33 ksi	43	54	68	33 ksi	43	54	68	33 ksi	43	54	68
8	12	1.81	2.56	3.97	5.08	1.49	2.14	3.32	4.37	1.87	2.65	4.15	5.38	2.25	3.28	5.18	6.68
	16	1.74	2.48	3.90	5.01	1.42	2.07	3.26	4.30	1.80	2.57	4.08	5.31	2.17	3.20	5.10	6.60
	24	1.58	2.32	3.76	4.87	1.29	1.93	3.13	4.17	1.65	2.42	3.94	5.17	2.01	3.03	4.94	6.45
12	12	1.67	2.38	3.65	4.67	1.38	2.01	3.11	4.07	1.74	2.48	3.86	4.99	2.10	3.07	4.79	6.17
	16	1.57	2.28	3.56	4.58	1.30	1.92	3.02	3.99	1.64	2.38	3.77	4.90	2.00	2.96	4.69	6.07
	24	1.39	2.09	3.39	4.41	1.13	1.74	2.87	3.82	1.46	2.19	3.60	4.72	1.80	2.76	4.49	5.88
10	12	1.51	2.18	3.29	4.23	1.26	1.85	2.85	3.73	1.58	2.29	3.53	4.55	1.93	2.84	4.37	5.61
	16	1.40	2.07	3.19	4.12	1.16	1.75	2.75	3.63	1.47	2.17	3.42	4.44	1.81	2.71	4.25	5.49
	24	1.19	1.84	2.99	3.92	0.96	1.54	2.57	3.44	1.26	1.95	3.22	4.23	1.57	2.47	4.01	5.27
12	12	1.18	1.75	2.56	3.31	0.99	1.51	2.27	2.97	1.25	1.87	2.79	3.60	1.56	2.32	3.45	4.44
	16	1.04 ⁷	1.61	2.44	3.18	0.86 ⁷	1.37	2.15	2.85	1.11	1.72	2.66	3.47	1.40	2.16	3.30	4.30
	24	0.79 ⁶	1.34 ⁶	2.21	2.94	0.63 ⁶	1.12 ⁶	1.93 ⁷	2.62	0.86 ⁶	1.44 ⁷	2.42	3.22	1.12 ⁶	1.86	3.03	4.03
14	12	0.86 ⁶	1.33	1.95	2.54	0.72 ⁶	1.15 ⁷	1.75	2.30	0.93 ⁷	1.44	2.14	2.78	1.18	1.81	2.64	3.43
	16	0.71 ⁶	1.17 ⁶	1.82 ⁷	2.40	0.59 ⁶	1.00 ⁶	1.62 ⁷	2.16	0.78 ⁶	1.28 ⁷	2.00	2.64	1.01 ⁶	1.63 ⁷	2.48	3.27
	24	0.46 ³	0.89 ⁶	1.58 ⁶	2.16 ⁶	0.34 ³	0.73 ³	1.39 ⁶	1.92 ⁶	0.52 ³	0.99 ⁶	1.75 ⁶	2.38 ⁷	0.70 ⁶	1.31 ⁶	2.19 ⁶	2.99
16	12	0.59 ⁶	0.96 ⁶	1.48 ⁷	1.95	0.50 ⁶	0.83 ⁶	1.33 ⁶	1.76 ⁷	0.65 ⁶	1.06 ⁶	1.63 ⁷	2.14	0.84 ⁶	1.36 ⁷	2.01	2.66
	16	0.45 ³	0.80 ⁶	1.35 ⁶	1.81 ⁶	0.36 ³	0.68 ³	1.20 ⁶	1.63 ⁶	0.51 ³	0.90 ⁶	1.49 ⁶	2.00 ⁷	0.67 ⁶	1.18 ⁶	1.86 ⁶	2.50
	24	0.21 ²	0.54 ³	1.12 ³	1.57 ⁶	0.12 ²	0.42 ²	0.97 ³	1.39 ³	0.25 ²	0.62 ³	1.25 ³	1.74 ⁶	0.38 ³	0.86 ³	1.58 ⁶	2.21 ⁶

5 psf Lateral Load (Interior Walls Only)																	
Wall Height (ft)	Spacing (in.) o.c.	400S137-(mils)				400S162-(mils)				400S200-(mils)				550S162-(mils)			
		33 ksi	43	54	68	33 ksi	43	54	68	33 ksi	43	54	68	33 ksi	43	54	68
8	12	1.61	2.31	3.67	4.98	2.03	2.87	4.62	6.18	2.42	3.55	5.77	7.63	2.41	3.39	5.64	7.47
	16	1.55	2.25	3.61	4.91	1.96	2.80	4.55	6.11	2.34	3.48	5.70	7.56	2.37	3.35	5.60	7.42
	24	1.42	2.12	3.49	4.78	1.82	2.66	4.42	5.97	2.19	3.32	5.54	7.41	2.28	3.27	5.52	7.34
9	12	1.52	2.20	3.49	4.79	1.91	2.72	4.37	5.85	2.28	3.37	5.43	7.19	2.35	3.33	5.58	7.43
	16	1.44	2.12	3.42	4.70	1.82	2.63	4.28	5.76	2.19	3.27	5.33	7.10	2.30	3.27	5.52	7.37
	24	1.28	1.95	3.27	4.54	1.65	2.46	4.11	5.59	2.00	3.08	5.14	6.91	2.19	3.16	5.42	7.26
10	12	1.41	2.07	3.28	4.49	1.77	2.56	4.08	5.47	2.13	3.16	5.04	6.70	2.28	3.25	5.44	7.36
	16	1.31	1.97	3.19	4.38	1.67	2.45	3.97	5.36	2.01	3.04	4.92	6.58	2.21	3.18	5.37	7.30
	24	1.12	1.77	3.00	4.18	1.46	2.23	3.77	5.14	1.79	2.81	4.69	6.34	2.07	3.04	5.24	7.16
12	12	1.16	1.76	2.77	3.75	1.46	2.17	3.41	4.54	1.79	2.69	4.19	5.57	2.10	3.04	5.08	6.90
	16	1.03	1.62	2.64	3.61	1.32	2.02	3.27	4.39	1.63	2.53	4.03	5.41	2.00	2.94	4.98	6.79
	24	0.80 ⁶	1.36 ⁷	2.40	3.35	1.06 ⁷	1.74	3.01	4.12	1.35	2.22	3.74	5.11	1.81	2.75	4.79	6.59
14	12	0.90 ⁷	1.41	2.22	2.96	1.14	1.75	2.71	3.57	1.43	2.19	3.32	4.39	1.88	2.77	4.59	6.26
	16	0.75 ⁶	1.25 ⁷	2.08	2.80	0.98 ⁶	1.58	2.55	3.41	1.25 ⁷	2.00	3.14	4.21	1.74	2.64	4.46	6.12
	24	0.49 ³	0.96 ⁶	1.81 ⁶	2.52 ⁷	0.70 ⁶	1.26 ⁶	2.27 ⁷	3.10	0.92 ⁶	1.65 ⁷	2.82	3.88	1.49	2.38	4.21	5.84
16	12	0.65 ⁶	1.08 ⁶	1.74	2.30	0.84 ⁶	1.35 ⁷	2.12	2.78	1.07 ⁷	1.71	2.60	3.42	1.62	2.45	4.02	5.50
	16	0.50 ³	0.91 ⁶	1.59 ⁶	2.14 ⁷	0.68 ⁶	1.17 ⁶	1.96 ⁷	2.61	0.89 ⁶	1.51 ⁷	2.41	3.24	1.46	2.28	3.86	5.32
	24	0.23 ²	0.61 ³	1.32 ⁶	1.86 ⁶	0.39 ³	0.85 ³	1.67 ⁶	2.31 ⁶	0.56 ³	1.16 ⁶	2.09 ⁶	2.91 ⁷	1.16 ⁶	1.98	3.56	4.98

1	Deflection exceeds L/120	6	Deflection exceeds L/600
2	Deflection exceeds L/240	7	Deflection exceeds L/720
3	Deflection exceeds L/360	—	If not noted, deflection is less than L/720.

Combined Axial and Lateral Load Tables

5 psf Lateral Load (Interior Walls Only)

Wall Height (ft)	Spacing (in.) o.c.	600S137-(mils)					600S162-(mils)					600S200-(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	1.78	2.52	3.82	5.06	7.54	2.44	3.41	5.63	7.46	11.39	2.88	4.33	7.48	9.99	15.65
	16	1.74	2.48	3.79	5.03	7.52	2.40	3.38	5.59	7.42	11.35	2.84	4.28	7.43	9.94	15.6
	24	1.67	2.41	3.73	4.97	7.46	2.32	3.30	5.52	7.35	11.28	2.75	4.19	7.34	9.86	15.51
9	12	1.75	2.49	3.79	5.03	7.52	2.41	3.38	5.59	7.42	11.35	2.82	4.25	7.33	9.81	15.39
	16	1.70	2.44	3.76	4.99	7.48	2.36	3.33	5.55	7.38	11.31	2.77	4.19	7.28	9.76	15.33
	24	1.61	2.35	3.68	4.91	7.41	2.26	3.24	5.46	7.29	11.21	2.66	4.07	7.16	9.64	15.21
10	12	1.71	2.45	3.76	5.00	7.49	2.37	3.34	5.56	7.38	11.31	2.76	4.15	7.16	9.6	15.07
	16	1.66	2.39	3.72	4.95	7.44	2.30	3.28	5.50	7.33	11.25	2.69	4.08	7.09	9.53	14.99
	24	1.54	2.28	3.62	4.85	7.36	2.18	3.16	5.39	7.21	11.12	2.56	3.94	6.94	9.39	14.84
12	12	1.63	2.36	3.69	4.92	7.41	2.22	3.19	5.39	7.28	11.19	2.59	3.91	6.71	9.04	14.21
	16	1.54	2.28	3.61	4.84	7.34	2.13	3.10	5.30	7.19	11.09	2.49	3.81	6.6	8.93	14.1
	24	1.38	2.11	3.47	4.70	7.21	1.95	2.93	5.13	7.01	10.89	2.3	3.6	6.38	8.72	13.86
14	12	1.52	2.25	3.58	4.81	7.31	2.03	2.97	5.00	6.81	10.96	2.38	3.61	6.12	8.3	13.08
	16	1.40	2.13	3.48	4.70	7.20	1.91	2.85	4.88	6.68	10.8	2.24	3.46	5.97	8.15	12.92
	24	1.18	1.90	3.27	4.49	7.00	1.67	2.61	4.64	6.43	10.49	1.99	3.19	5.68	7.87	12.59
16	12	1.38	2.11	3.44	4.66	7.15	1.80	2.69	4.49	6.15	9.89	2.12	3.25	5.44	7.43	11.75
	16	1.23	1.95	3.30	4.50	7.00	1.65	2.54	4.34	5.98	9.68	1.96	3.07	5.26	7.25	11.53
	24	0.95 ⁶	1.65	3.02	4.22	6.71	1.36 ⁷	2.25	4.05	5.66	9.28	1.65	2.73	4.9	6.89	11.11

5 psf Lateral Load (Interior Walls Only)

Wall Height (ft)	Spacing (in.) o.c.	800S137-(mils)					800S162-(mils)					800S200-(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	1.72	2.44	3.57	4.75	7.21	2.40	3.36	5.44	7.25	11.26	14.30	2.98	4.49	7.76	10.30	15.98
	16	1.70	2.41	3.56	4.73	7.19	2.37	3.33	5.42	7.23	11.23	14.28	2.94	4.46	7.73	10.27	15.96
	24	1.65	2.36	3.52	4.69	7.16	2.31	3.28	5.37	7.18	11.18	14.23	2.88	4.40	7.67	10.22	15.90
9	12	1.70	2.42	3.56	4.73	7.20	2.38	3.34	5.42	7.23	11.23	14.28	2.95	4.47	7.74	10.28	15.96
	16	1.67	2.39	3.53	4.71	7.17	2.34	3.30	5.39	7.20	11.20	14.25	2.91	4.43	7.70	10.24	15.92
	24	1.61	2.33	3.49	4.66	7.12	2.27	3.23	5.32	7.14	11.13	14.19	2.83	4.35	7.62	10.17	15.85
10	12	1.68	2.39	3.54	4.72	7.18	2.35	3.31	5.40	7.21	11.21	14.26	2.92	4.44	7.71	10.25	15.93
	16	1.64	2.36	3.51	4.69	7.15	2.30	3.26	5.35	7.17	11.16	14.22	2.87	4.39	7.66	10.20	15.88
	24	1.57	2.28	3.45	4.63	7.09	2.21	3.17	5.27	7.09	11.08	14.14	2.77	4.29	7.56	10.11	15.79
12	12	1.63	2.34	3.50	4.67	7.13	2.28	3.24	5.33	7.15	11.14	14.20	2.85	4.37	7.63	10.18	15.85
	16	1.57	2.29	3.45	4.63	7.09	2.21	3.18	5.27	7.09	11.07	14.14	2.77	4.29	7.56	10.11	15.78
	24	1.46	2.18	3.37	4.54	7.00	2.08	3.04	5.15	6.96	10.94	14.03	2.62	4.15	7.41	9.98	15.63
14	12	1.56	2.28	3.44	4.62	7.08	2.20	3.16	5.26	7.07	11.05	14.12	2.72	4.22	7.42	10.02	15.75
	16	1.48	2.20	3.38	4.56	7.01	2.10	3.07	5.17	6.98	10.96	14.03	2.62	4.12	7.32	9.92	15.64
	24	1.33	2.05	3.26	4.44	6.88	1.92	2.88	5.00	6.81	10.77	13.87	2.42	3.93	7.11	9.73	15.43
16	12	1.48	2.20	3.38	4.55	7.00	2.10	3.06	5.16	6.96	10.93	14.01	2.56	4.01	7.03	9.53	15.19
	16	1.38	2.10	3.29	4.47	6.92	1.97	2.94	5.04	6.85	10.80	13.89	2.43	3.88	6.89	9.40	15.04
	24	1.18	1.90	3.13	4.31	6.74	1.73	2.69	4.81	6.61	10.54	13.66	2.17	3.63	6.62	9.14	14.75

15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)					362S200-(mils)			
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi	
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68
8	12	1.37	2.10	3.56	4.66	1.09	1.72	2.95	3.98	1.44	2.20	3.74	4.96	1.77	2.79	4.71	6.22			
	16	1.16	1.89	3.36	4.46	0.91	1.53	2.77	3.80	1.23	1.99	3.55	4.76	1.55	2.56	4.49	6.01			
	24	0.78	1.49	2.99	4.08	0.56 ⁷	1.16	2.43	3.44	0.85	1.59	3.17	4.38	1.13	2.13	4.06	5.58			
9	12	1.13	1.82	3.14	4.16	0.90	1.49	2.64	3.59	1.21	1.93	3.35	4.47	1.51	2.47	4.21	5.60			
	16	0.90	1.57	2.91	3.92	0.68	1.26	2.43	3.37	0.97	1.68	3.12	4.23	1.25	2.19	3.94	5.34			
	24	0.46 ⁶	1.11 ⁷	2.48	3.48	0.28 ⁶	0.83 ⁷	2.03	2.94	0.53 ⁶	1.21	2.68	3.77	0.77 ⁷	1.68	3.44	4.84			
10	12	0.90	1.53	2.71	3.63	0.70 ⁷	1.25	2.31	3.16	0.97	1.64	2.94	3.94	1.25	2.13	3.69	4.95			
	16	0.64 ⁶	1.25	2.45	3.37	0.46 ⁶	0.99 ⁷	2.07	2.91	0.71 ⁷	1.36	2.67	3.66	0.95	1.82	3.38	4.65			
	24	0.17 ⁶	0.74 ⁶	1.99 ⁷	2.88	0.02 ³	0.51 ⁶	1.62 ⁶	2.44 ⁷	0.23 ⁶	0.84 ⁶	2.18 ⁷	3.15	0.42 ⁶	1.25 ⁷	2.83	4.09			
12	12	0.47 ⁶	0.98 ⁶	1.90 ⁷	2.62	0.33 ⁶	0.78 ⁶	1.63 ⁷	2.30											

Combined Axial and Lateral Load Tables

15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S137-(mils)				400S162-(mils)				400S200-(mils)				550S162-(mils)			
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68
8	12	1.24	1.92	3.32	4.60	1.62	2.45	4.22	5.77	1.97	3.10	5.32	7.19	2.15	3.14	5.41	7.22
	16	1.06	1.74	3.14	4.41	1.42	2.25	4.04	5.57	1.76	2.88	5.10	6.97	2.02	3.02	5.29	7.10
	24	0.72	1.38	2.81	4.06	1.05	1.86	3.67	5.18	1.35	2.46	4.68	6.55	1.77	2.77	5.06	6.86
9	12	1.05	1.71	3.05	4.30	1.40	2.20	3.87	5.33	1.73	2.80	4.86	6.63	2.02	3.00	5.27	7.11
	16	0.84	1.49	2.83	4.07	1.17	1.95	3.64	5.08	1.47	2.53	4.59	6.36	1.86	2.85	5.12	6.95
	24	0.44 ⁷	1.06	2.43	3.63	0.73 ⁷	1.49	3.20	4.61	0.99	2.03	4.09	5.84	1.54	2.54	4.82	6.64
10	12	0.86	1.49	2.74	3.89	1.17	1.93	3.48	4.83	1.47	2.48	4.36	6.01	1.87	2.85	5.05	6.95
	16	0.62 ⁷	1.22	2.49	3.62	0.90	1.64	3.21	4.54	1.18	2.17	4.05	5.69	1.67	2.65	4.87	6.75
	24	0.17 ⁶	0.74 ⁶	2.03 ⁷	3.11	0.41 ⁶	1.12 ⁷	2.70	3.99	0.64 ⁷	1.59	3.47	5.09	1.29	2.28	4.50	6.36
12	12	0.48 ⁶	1.01 ⁷	2.08	2.99	0.72 ⁷	1.37	2.65	3.73	0.96 ⁷	1.81	3.33	4.69	1.53	2.47	4.52	6.29
	16	0.19 ⁶	0.70 ⁶	1.78 ⁷	2.67	0.41 ⁶	1.03 ⁶	2.33 ⁷	3.38	0.61 ⁶	1.44 ⁷	2.96	4.31	1.26	2.20	4.25	6.00
	24		0.14 ³	1.25 ⁶	2.09 ⁶	0.00 ³	0.43 ⁶	1.75 ⁶	2.76 ⁶		0.78 ⁶	2.31 ⁶	3.62 ⁷	0.76 ⁷	1.69	3.74	5.45
14	12	0.15 ³	0.58 ⁶	1.46 ⁶	2.15 ⁷	0.33 ⁶	0.86 ⁶	1.89 ⁶	2.70	0.50 ⁶	1.21 ⁶	2.39 ⁷	3.44	1.14	2.02	3.86	5.45
	16		0.25 ³	1.15 ⁶	1.82 ⁶	0.01 ³	0.50 ⁶	1.56 ⁶	2.35 ⁶	0.14 ³	0.81 ⁶	2.01 ⁶	3.05 ⁷	0.82 ⁶	1.69	3.52	5.08
	24		0.00 ²	0.62 ³	1.24 ³			0.98 ³	1.72 ⁶		0.13 ³	1.36 ³	2.36 ⁶	0.24 ⁶	1.08 ⁶	2.91 ⁷	4.40
16	12		0.23 ³	0.97 ³	1.49 ⁶	0.03 ³	0.44 ³	1.30 ⁶	1.92 ⁶	0.14 ³	0.71 ⁶	1.67 ⁶	2.48 ⁶	0.77 ⁶	1.56 ⁷	3.14	4.53
	16			0.67 ³	1.17 ³		0.09 ³	0.98 ³	1.58 ⁶		0.32 ³	1.30 ³	2.10 ⁶	0.41 ⁶	1.18 ⁶	2.77 ⁷	4.10
	24			0.16 ²	0.62 ²			0.42 ²	0.98 ³			0.68 ²	1.45 ³		0.51 ³	2.10 ⁶	3.35 ⁶

15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S137-(mils)				600S162-(mils)				600S200-(mils)				600S200-(mils)				
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97		33	43	54	68	97		33	43	54	68	
8	12	1.57	2.31	3.65	4.88	7.38	2.21	3.19	5.42	7.25	11.17	13.99	2.63	4.06	7.20	9.73	15.37	19.75
	16	1.46	2.20	3.56	4.79	7.30	2.10	3.08	5.32	7.15	11.06	13.88	2.50	3.92	7.07	9.60	15.23	19.60
	24	1.25	1.99	3.39	4.62	7.14	1.87	2.87	5.12	6.94	10.83	13.65	2.26	3.65	6.80	9.35	14.96	19.31
9	12	1.48	2.22	3.57	4.80	7.31	2.11	3.10	5.33	7.15	11.06	13.88	2.50	3.90	6.98	9.48	15.03	19.43
	16	1.34	2.08	3.46	4.69	7.21	1.97	2.96	5.20	7.02	10.91	13.73	2.34	3.73	6.81	9.32	14.85	19.24
	24	1.08	1.82	3.23	4.47	7.00	1.68	2.68	4.94	6.75	10.62	13.43	2.03	3.39	6.47	8.99	14.49	18.85
10	12	1.38	2.11	3.48	4.71	7.22	2.00	2.99	5.22	7.04	10.93	13.74	2.36	3.72	6.72	9.18	14.61	18.90
	16	1.21	1.95	3.34	4.57	7.09	1.82	2.81	5.06	6.87	10.74	13.55	2.16	3.51	6.50	8.97	14.38	18.66
	24	0.89	1.63	3.06	4.29	6.83	1.47	2.47	4.73	6.53	10.37	13.16	1.79	3.10	6.08	8.57	13.93	18.17
12	12	1.14	1.87	3.26	4.48	7.00	1.70	2.68	4.88	6.74	10.59	13.37	2.02	3.30	6.07	8.42	13.52	17.52
	16	0.91	1.63	3.05	4.27	6.80	1.45	2.43	4.64	6.48	10.29	13.06	1.75	3.00	5.76	8.12	13.18	17.15
	24	0.47 ⁷	1.18	2.65	3.86	6.41	0.98	1.96	4.17	5.98	9.73	12.46	1.24	2.44	5.17	7.54	12.53	16.42
14	12	0.86	1.57	2.98	4.18	6.70	1.34	2.28	4.31	6.06	10.05	12.82	1.63	2.79	5.27	7.46	12.12	15.72
	16	0.57 ⁷	1.27	2.69	3.89	6.42	1.03	1.96	3.99	5.72	9.63	12.36	1.29	2.42	4.88	7.07	11.66	15.22
	24	0.03 ⁶	0.69 ⁶	2.17 ⁷	3.33	5.87	0.46 ⁶	1.37 ⁷	3.40	5.06	8.83	11.50	0.67 ⁶	1.72	4.15	6.34	10.81	14.26
16	12	0.57 ⁶	1.25	2.64	3.81	6.31	0.98 ⁷	1.84	3.65	5.22	8.73	11.47	1.22	2.25	4.41	6.39	10.52	13.67
	16	0.22 ⁶	0.87 ⁶	2.28 ⁷	3.43	5.92	0.62 ⁶	1.47 ⁷	3.27	4.80	8.21	10.88	0.83 ⁶	1.82	3.95	5.93	9.97	13.05
	24		0.20 ⁶	1.64 ⁶	2.74 ⁶	5.21		0.80 ⁶	2.60 ⁶	4.05 ⁷	7.28	9.82	0.13 ⁶	1.03 ⁶	3.13 ⁷	5.08	8.96	11.92

15 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	800S137-(mils)				800S162-(mils)				800S200-(mils)				800S200-(mils)				
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		
		33	43	54	68	97		33	43	54	68	97		33	43	54	68	
8	12	1.58	2.29	3.46	4.64	7.10	2.23	3.19	5.29	7.10	11.10	14.16	2.79	4.31	7.58	10.14	15.81	20.28
	16	1.51	2.23	3.41	4.58	7.04	2.14	3.11	5.21	7.03	11.02	14.09	2.69	4.22	7.49	10.05	15.72	20.19
	24	1.36	2.09	3.30	4.48	6.93	1.96	2.94	5.06	6.88	10.86	13.95	2.50	4.04	7.31	9.89	15.55	20.00
9	12	1.52	2.24	3.42	4.59	7.05	2.15	3.12	5.23	7.04	11.03	14.10	2.71	4.24	7.50	10.06	15.73	20.20
	16	1.43	2.15	3.34	4.52	6.98	2.04	3.01	5.13	6.94	10.92	14.01	2.59	4.12	7.39	9.96	15.62	20.08
	24	1.25	1.97	3.20	4.38	6.83	1.82	2.79	4									

Combined Axial and Lateral Load Tables

20 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)				362S137-(mils)				362S162-(mils)				362S200-(mils)			
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68
8	12	1.16	1.89	3.36	4.46	0.91	1.53	2.77	3.80	1.23	1.99	3.55	4.76	1.55	2.56	4.49	6.01
	16	0.90	1.62	3.11	4.21	0.67	1.28	2.54	3.56	0.98	1.72	3.30	4.50	1.27	2.27	4.20	5.72
	24	0.43 ⁶	1.11 ⁷	2.64	3.72	0.24 ⁶	0.81 ⁷	2.11	3.10	0.50 ⁷	1.21	2.82	4.01	0.74 ⁷	1.71	3.65	5.18
9	12	0.90	1.57	2.91	3.92	0.68	1.26	2.43	3.37	0.97	1.68	3.12	4.23	1.25	2.19	3.94	5.34
	16	0.60 ⁶	1.26	2.62	3.62	0.41 ⁶	0.97 ⁷	2.16	3.08	0.67 ⁷	1.36	2.82	3.92	0.92	1.85	3.60	5.00
	24	0.07 ⁶	0.69 ⁶	2.08 ⁷	3.06	0.44 ⁶	1.66 ⁶	2.55 ⁷	0.13 ⁶	0.78 ⁶	2.27 ⁷	3.34	0.32 ⁶	1.21 ⁷	2.97	4.37	
10	12	0.64 ⁶	1.25	2.45	3.37	0.46 ⁶	0.99 ⁷	2.07	2.91	0.71 ⁷	1.36	2.67	3.66	0.95	1.82	3.38	4.65
	16	0.32 ⁶	0.91 ⁶	2.14 ⁷	3.03	0.16 ⁶	0.66 ⁶	1.77 ⁷	2.59	0.38 ⁶	1.01 ⁶	2.34	3.32	0.59 ⁶	1.43 ⁷	3.00	4.27
	24	0.29 ⁶	0.56 ⁶	1.56 ⁶	2.43 ⁶	0.09 ³	1.22 ⁶	2.01 ⁶	0.38 ³	0.38 ⁶	1.74 ⁶	2.69 ⁷	0.74 ⁶	2.32 ⁶	3.58 ⁷		
12	12	0.18 ³	0.67 ⁶	1.62 ⁶	2.33 ⁷	0.06 ³	0.48 ⁶	1.36 ⁶	2.02 ⁷	0.24 ³	0.76 ⁶	1.81 ⁶	2.58 ⁷	0.41 ⁶	1.11 ⁶	2.32 ⁷	3.32
	16		0.30 ³	1.29 ⁶	1.97 ⁶		0.13 ³	1.04 ⁶	1.67 ⁶		0.38 ³	1.45 ⁶	2.20 ⁶	0.01 ³	0.69 ⁶	1.92 ⁶	2.91 ⁷
	24		0.70 ³	1.35 ³			0.48 ³	1.06 ³			0.84 ³	1.55 ³			1.21 ³	2.19 ⁶	
14	12		0.22 ³	1.00 ³	1.54 ⁶		0.08 ³	0.82 ³	1.31 ⁶		0.29 ³	1.14 ³	1.73 ⁶		0.54 ³	1.49 ⁶	2.28 ⁶
	16			0.68 ³	1.20 ³			0.50 ²	0.97 ³			0.79 ³	1.36 ³		0.12 ³	1.10 ³	1.88 ⁶
	24		0.13 ²	0.60 ²				0.39 ²			0.21 ²	0.73 ²			0.43 ²	1.18 ³	
16	12			0.57 ²	0.98 ³			0.42 ²	0.80 ³			0.66 ²	1.12 ³		0.12 ²	0.91 ³	1.53 ³
	16			0.26 ²	0.66 ²			0.13 ²	0.49 ²			0.34 ²	0.77 ²		0.54 ²	1.15 ³	
	24				0.11 ²							0.19 ²				0.50 ²	

20 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S137-(mils)				400S162-(mils)				400S200-(mils)				550S162-(mils)			
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68
8	12	1.06	1.74	3.14	4.41	1.42	2.25	4.04	5.57	1.76	2.88	5.10	6.97	2.02	3.02	5.29	7.10
	16	0.83	1.50	2.92	4.18	1.17	1.99	3.79	5.31	1.48	2.60	4.82	6.69	1.85	2.85	5.13	6.94
	24	0.40 ⁷	1.04	2.50	3.72	0.70	1.50	3.32	4.81	0.97	2.06	4.28	6.14	1.52	2.53	4.83	6.63
9	12	0.84	1.49	2.83	4.07	1.17	1.95	3.64	5.08	1.47	2.53	4.59	6.36	1.86	2.85	5.12	6.95
	16	0.57 ⁷	1.20	2.56	3.77	0.87	1.64	3.34	4.76	1.15	2.19	4.25	6.01	1.64	2.64	4.92	6.74
	24	0.07 ⁶	0.67 ⁶	2.06	3.21	0.33 ⁶	1.07 ⁷	2.78	4.16	0.55 ⁷	1.56	3.61	5.35	1.23	2.24	4.53	6.33
10	12	0.62 ⁷	1.22	2.49	3.62	0.90	1.64	3.21	4.54	1.18	2.17	4.05	5.69	1.67	2.65	4.87	6.75
	16	0.31 ⁶	0.89 ⁷	2.18	3.28	0.57 ⁶	1.29	2.87	4.17	0.81 ⁷	1.78	3.66	5.29	1.42	2.40	4.62	6.49
	24		0.30 ⁶	1.61 ⁶	2.65 ⁷		0.64 ⁶	2.24 ⁷	3.48	0.15 ⁶	1.07 ⁶	2.94	4.54	0.93	1.91	4.14	5.98
12	12	0.19 ⁶	0.70 ⁶	1.78 ⁷	2.67	0.41 ⁶	1.03 ⁶	2.33 ⁷	3.38	0.61 ⁶	1.44 ⁷	2.96	4.31	1.26	2.20	4.25	6.00
	16		0.32 ⁶	1.42 ⁶	2.27 ⁶	0.04 ³	0.62 ⁶	1.94 ⁶	2.96 ⁷	0.20 ⁶	0.99 ⁶	2.52 ⁷	3.84	0.92 ⁷	1.86	3.91	5.63
	24		0.79 ³	1.58 ⁶			1.25 ³	2.20 ⁶		0.20 ³	1.73 ⁶	3.00 ⁶	0.30 ⁶	1.22 ⁷		3.27	4.93
14	12		0.25 ³	1.15 ⁶	1.82 ⁶	0.01 ³	0.50 ⁶	1.56 ⁶	2.35 ⁶	0.14 ³	0.81 ⁶	2.01 ⁶	3.05 ⁷	0.82 ⁶	1.69	3.52	5.08
	16		0.16 ²	0.73 ²		0.08 ³	1.16 ³	1.92 ⁶		0.35 ³	1.57 ⁶	2.58 ⁶	0.42 ⁶	1.28 ⁶	3.11 ⁷	4.62	
	24		0.16 ²	0.73 ²		0.48 ²	1.18 ³			0.79 ³	1.76 ³		0.53 ⁶	2.35 ⁶	3.78 ⁶		
16	12		0.67 ³	1.17 ³		0.09 ³	0.98 ³	1.58 ⁶		0.32 ³	1.30 ³	2.10 ⁶	0.41 ⁶	1.18 ⁶	2.77 ⁷	4.10	
	16		0.32 ²	0.80 ³			0.60 ²	1.17 ³		0.87 ³	1.65 ³		0.73 ⁶	2.31 ⁶	3.59 ⁶		
	24			0.15 ²			0.48 ²			0.14 ²	0.89 ²			1.50 ³	2.69 ⁶		

20 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S137-(mils)					600S162-(mils)					600S200-(mils)				
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.46	2.20	3.56	4.79	7.30	2.10	3.08	5.32	7.15	11.06	2.50	3.92	7.07	9.60	15.23
	16	1.32	2.06	3.44	4.68	7.20	1.95	2.94	5.19	7.01	10.91	2.34	3.74	6.89	9.43	15.05
	24	1.05	1.79	3.21	4.45	6.99	1.65	2.66	4.92	6.74	10.61	2.01	3.39	6.53	9.10	14.69
9	12	1.34	2.08	3.46	4.69	7.21	1.97	2.96	5.20	7.02	10.91	2.34	3.73	6.81	9.32	14.85
	16	1.17	1.91	3.31	4.54	7.07	1.77	2.77	5.03	6.84	10.72	2.14	3.51	6.58	9.10	14.61
	24	0.83	1.56	3.02	4.24	6.80	1.40	2.41	4.69	6.49	10.34	1.73	3.06	6.13		

Combined Axial and Lateral Load Tables

20 psf Lateral Load

Wall Height (in.)	Spacing (ft)	800S137-(mils)					800S162-(mils)					800S200-(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	1.51	2.23	3.41	4.58	7.04	2.14	3.11	5.21	7.03	11.02	2.69	4.22	7.49	10.05	15.72
	16	1.41	2.13	3.33	4.51	6.97	2.02	2.99	5.11	6.93	10.91	2.57	4.10	7.37	9.95	15.61
	24	1.22	1.95	3.18	4.37	6.82	1.79	2.77	4.91	6.73	10.70	2.32	3.86	7.14	9.73	15.38
9	12	1.43	2.15	3.34	4.52	6.98	2.04	3.01	5.13	6.94	10.92	2.59	4.12	7.39	9.96	15.62
	16	1.31	2.03	3.25	4.43	6.88	1.89	2.87	5.00	6.82	10.79	2.43	3.97	7.24	9.82	15.47
	24	1.07	1.80	3.06	4.25	6.69	1.60	2.58	4.74	6.56	10.51	2.11	3.66	6.93	9.54	15.18
10	12	1.34	2.06	3.27	4.45	6.91	1.93	2.90	5.03	6.85	10.82	2.47	4.01	7.27	9.85	15.50
	16	1.19	1.92	3.16	4.34	6.78	1.75	2.72	4.87	6.69	10.64	2.27	3.82	7.08	9.67	15.31
	24	0.90	1.63	2.92	4.11	6.54	1.39	2.37	4.55	6.37	10.30	1.88	3.44	6.70	9.32	14.94
12	12	1.13	1.86	3.11	4.29	6.73	1.68	2.65	4.79	6.61	10.55	2.19	3.73	6.98	9.57	15.20
	16	0.92	1.65	2.93	4.12	6.55	1.41	2.39	4.56	6.37	10.30	1.90	3.45	6.69	9.31	14.92
	24	0.51	1.23	2.60	3.78	6.20	0.91	1.89	4.09	5.91	9.79	1.35	2.91	6.13	8.79	14.35
14	12	0.89	1.61	2.90	4.08	6.51	1.37	2.34	4.50	6.30	10.21	1.84	3.35	6.51	9.16	14.80
	16	0.61	1.33	2.66	3.84	6.26	1.03	2.00	4.17	5.98	9.85	1.46	2.98	6.12	8.79	14.39
	24	0.07 ⁷	0.78	2.21	3.39	5.77	0.37 ⁷	1.33	3.54	5.34	9.14	0.75	2.27	5.37	8.06	13.59
16	12	0.62	1.33	2.65	3.83	6.23	1.03	1.99	4.14	5.93	9.78	1.44	2.90	5.85	8.40	13.90
	16	0.27 ⁷	0.97	2.35	3.52	5.90	0.60 ⁷	1.55	3.72	5.50	9.29	0.98	2.44	5.36	7.93	13.36
	24			0.30 ⁶	1.76 ⁷	2.93	5.25		0.72 ⁷	2.91	4.67	8.36	0.12 ⁶	1.57	4.44	7.02

25 psf Lateral Load

Wall Height (in.)	Spacing (ft)	350S162-(mils)					362S137-(mils)					362S162-(mils)					362S200-(mils)			
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi	
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68	33	43	
8	12	0.97	1.68	3.17	4.27	0.73	1.34	2.60	3.61	1.04	1.78	3.36	4.57	1.34	2.34	4.27	5.79			
	16	0.66 ⁷	1.36	2.87	3.96	0.45 ⁷	1.04	2.32	3.33	0.73	1.46	3.05	4.25	1.00	1.99	3.92	5.45			
	24	0.09 ⁶	0.76 ⁶	2.30 ⁷	3.38	0.49 ⁶	1.81 ⁷	2.78	0.16 ⁶	0.86 ⁷	2.48	3.66	0.37 ⁶	1.33	3.26	4.79				
9	12	0.67 ⁷	1.33	2.69	3.70	0.48 ⁶	1.04	2.23	3.15	0.74 ⁷	1.44	2.89	3.99	1.00	1.93	3.68	5.08			
	16	0.33 ⁶	0.96 ⁷	2.34	3.34	0.16 ⁶	0.70 ⁶	1.90 ⁷	2.81	0.39 ⁶	1.06 ⁷	2.54	3.62	0.61 ⁶	1.52	3.28	4.68			
	24		0.29 ⁶	1.71 ⁶	2.68 ⁷		0.07 ⁶	1.32 ⁶	2.18 ⁶		0.39 ⁶	1.89 ⁶	2.94 ⁷	0.00 ⁶	0.78 ⁶	2.54 ⁷	3.93			
10	12	0.39 ⁶	0.99 ⁶	2.21	3.11	0.23 ⁶	0.74 ⁶	1.84 ⁷	2.67	0.46 ⁶	1.09 ⁷	2.42	3.40	0.68 ⁶	1.53	3.10	4.36			
	16	0.02 ³	0.59 ⁶	1.84 ⁶	2.72 ⁷		0.37 ⁶	1.49 ⁶	2.29 ⁷		0.08 ⁶	0.68 ⁶	2.03 ⁶	2.99	0.25 ⁶	1.07 ⁶	2.65 ⁷	3.91		
	24			1.17 ⁶	2.02 ⁶			0.85 ³	1.61 ⁶			0.47 ⁶	1.54 ⁶	2.26 ⁶	0.27 ⁶	1.86 ⁶	3.11 ⁶			
12	12		0.39 ³	1.37 ⁶	2.06 ⁶		0.21 ³	1.12 ⁶	1.75 ⁶		0.47 ⁶	1.54 ⁶	2.29 ⁶	0.11 ³	0.79 ⁶	2.01 ⁶	3.01 ⁷			
	16		0.99 ³	1.65 ⁶			0.75 ³	1.36 ⁶			0.43 ²	1.11 ³		0.30 ³		1.55 ⁶	2.53 ⁶			
	24		0.32 ²	0.94 ³			0.10 ²	0.66 ³			0.00 ²	0.32 ²		0.00 ²	0.32 ²	0.75 ³	1.70 ³			
14	12		0.76 ³	1.28 ³			0.58 ³	1.06 ³			0.87 ³	1.45 ³		0.48 ²	1.04 ³	0.22 ³	1.20 ³	1.97 ⁶		
	16		0.39 ²	0.89 ³			0.22 ²	0.67 ²			0.00 ²	0.32 ²		0.00 ²	0.32 ²	0.75 ³	1.51 ³			
	24			0.21 ²				0.01 ²				0.41 ²	0.86 ²		0.05 ²	0.47 ²	0.63 ²	1.24 ³		
16	12			0.34 ²	0.73 ²			0.20 ²	0.56 ²			0.97 ³	1.76 ³	0.08 ³	0.83 ⁶	2.42 ⁶	3.72 ⁷			
	16			0.37 ²				0.20 ²				0.49 ²	1.26 ³	0.31 ³	0.39 ²	0.81 ²	1.89 ⁶	3.12 ⁶		
	24							0.02 ²							0.96 ³	2.08 ³				

25 psf Lateral Load

Wall Height (in.)	Spacing (ft)	400S137-(mils)					400S162-(mils)					400S200-(mils)					550S162-(mils)			
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi	
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68	33	43	
8	12	0.89	1.56	2.98	4.24	1.23	2.05	3.85	5.37	1.55	2.67	4.89	6.76	1.89	2.89	5.17	6.98			
	16	0.61	1.27	2.71	3.94	0.93	1.74	3.55	5.06	1.22	2.32	4.55	6.41	1.68	2.69	4.98	5.78			
	24	0.10 ⁶	0.72 ⁷	2.19	3.39	0.37 ⁷	1.15	2.98	4.45	0.60 ⁷	1.67	3.89	5.75	1.28	2.29	4.60	5.39			
9	12	0.64	1.27	2.63	3.84	0.94	1.72	3.41	4.84	1.23	2.28	4.34	6.10	1.70	2.69	4.97	5.79			
	16	0.32 ⁶	0.93 ⁷	2.31	3.49	0.59 ⁷	1.35	3.06	4.45	0.84	1.87	3.92	5.68	1.44	2.44	4.72	5.53			
	24	0.29 ⁶	1.70 ⁶	2.82 ⁷		0.66 ⁶	2.39 ⁷	3.73		0.14 ⁶	1.12 ⁷	3.16	4.89	0.93	1.94	4.24	6.03			
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Combined Axial and Lateral Load Tables

25 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S137-(mils)					600S162-(mils)					600S200-(mils)									
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97			33	43	54	68	97			33	43	54	68	97	
8	12	1.36	2.10	3.47	4.71	7.22	1.98	2.98	5.22	7.04	10.94	2.38	3.79	6.93	9.47	15.10					
	16	1.19	1.93	3.33	4.56	7.09	1.80	2.80	5.06	6.87	10.76	2.17	3.57	6.71	9.26	14.87					
	24	0.85	1.59	3.04	4.27	6.83	1.43	2.44	4.73	6.53	10.39	1.77	3.13	6.27	8.85	14.41					
9	12	1.21	1.95	3.34	4.58	7.10	1.82	2.82	5.07	6.88	10.77	2.19	3.56	6.64	9.15	14.67					
	16	1.00	1.73	3.16	4.39	6.93	1.59	2.59	4.86	6.66	10.53	1.93	3.28	6.35	8.88	14.37					
	24	0.58	1.31	2.80	4.03	6.59	1.13	2.15	4.44	6.23	10.05	1.43	2.74	5.80	8.35	13.79					
10	12	1.05	1.79	3.20	4.43	6.96	1.64	2.64	4.89	6.70	10.56	1.97	3.31	6.29	8.77	14.16					
	16	0.79	1.52	2.97	4.20	6.75	1.36	2.36	4.62	6.42	10.25	1.66	2.97	5.94	8.44	13.78					
	24	0.29 ⁷	1.01	2.53	3.74	6.32	0.81	1.82	4.10	5.87	9.65	1.07	2.31	5.26	7.78	13.06					
12	12	0.69	1.40	2.85	4.06	6.61	1.21	2.19	4.40	6.22	10.01	1.49	2.71	5.46	7.83	12.85					
	16	0.33 ⁷	1.04	2.52	3.72	6.28	0.82 ⁷	1.80	4.02	5.81	9.54	1.08	2.26	4.98	7.36	12.31					
	24	0.35 ⁶	1.90 ⁷	3.08	5.66	0.11 ⁶	1.08 ⁷	3.29	5.03	8.66	0.30 ⁶	1.40 ⁷	4.08	6.46	11.29						
14	12	0.29 ⁶	0.97 ⁷	2.42	3.61	6.14	0.74 ⁶	1.66	3.69	5.39	9.22	0.97 ⁷	2.06	4.51	6.70	11.23					
	16	0.51 ⁶	2.00 ⁷	3.16	5.70	0.28 ⁶	1.19 ⁶	3.21 ⁷	4.86	8.58	0.47 ⁶	1.50 ⁷	3.92	6.10	10.54						
	24	1.21 ⁶	2.32	6.486 ⁷	0.32 ⁶	2.34 ⁶	3.89 ⁶	7.39	0.49 ⁶	2.85 ⁶	5.01 ⁷	9.25									
16	12	0.52 ⁶	1.95 ⁶	3.07 ⁷	5.56	0.29 ⁶	1.13 ⁶	2.93 ⁷	4.41	7.74	0.47 ⁶	1.41 ⁶	3.53	5.49	9.45						
	16	1.44 ⁶	2.52	6.499 ⁷	0.59 ⁶	2.39 ⁶	3.81 ⁶	6.99	0.78 ⁶	2.88 ⁶	4.82 ⁷	8.65									
	24	0.52 ³	1.53	3.395 ⁶	0.52 ³	1.42 ³	2.73 ⁶	5.67 ⁶	1.72 ⁶	3.62 ⁶	7.22										

25 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	800S137-(mils)					800S162-(mils)					800S200-(mils)									
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97			33	43	54	68	97			33	43	54	68	97	
8	12	1.43	2.16	3.35	4.53	6.99	2.05	3.02	5.14	6.95	10.94	2.60	4.13	7.40	9.97	15.64					
	16	1.32	2.04	3.26	4.44	6.89	1.91	2.88	5.01	6.83	10.80	2.44	3.98	7.25	9.84	15.49					
	24	1.08	1.81	3.07	4.26	6.70	1.62	2.60	4.76	6.58	10.54	2.13	3.69	6.96	9.56	15.21					
9	12	1.34	2.06	3.27	4.45	6.91	1.93	2.90	5.03	6.85	10.82	2.47	4.01	7.27	9.85	15.51					
	16	1.19	1.91	3.16	4.34	6.79	1.75	2.72	4.87	6.69	10.65	2.27	3.82	7.08	9.68	15.32					
	24	0.89	1.62	2.92	4.11	6.54	1.38	2.37	4.55	6.37	10.31	1.87	3.44	6.70	9.33	14.95					
10	12	1.23	1.95	3.19	4.37	6.81	1.79	2.77	4.91	6.73	10.69	2.32	3.86	7.13	9.72	15.36					
	16	1.04	1.77	3.04	4.22	6.66	1.57	2.55	4.71	6.53	10.47	2.07	3.63	6.89	9.49	15.13					
	24	0.68	1.41	2.75	3.94	6.36	1.12	2.11	4.31	6.13	10.05	1.59	3.16	6.42	9.06	14.66					
12	12	0.97	1.70	2.98	4.16	6.59	1.48	2.46	4.62	6.43	10.36	1.97	3.52	6.76	9.37	14.99					
	16	0.71	1.44	2.76	3.95	6.37	1.16	2.14	4.32	6.14	10.04	1.63	3.18	6.41	9.05	14.63					
	24	0.21	0.93	2.35	3.53	5.93	0.54	1.52	3.75	5.56	9.41	0.95	2.52	5.72	8.40	13.93					
14	12	0.68	1.40	2.72	3.90	6.32	1.11	2.08	4.25	6.06	9.94	1.55	3.08	6.22	8.88	14.49					
	16	0.34	1.05	2.43	3.61	6.01	0.69	1.66	3.85	5.65	9.49	1.10	2.62	5.74	8.42	13.99					
	24	0.39 ⁷	1.87	3.05	5.41	0.85	3.09	4.87	8.62	0.24 ⁷	1.76	4.83	7.54	13.01							
16	12	0.36 ⁷	1.06	2.43	3.60	5.98	0.71	1.66	3.82	5.61	9.41	1.09	2.55	5.48	8.04	13.50					
	16	0.63 ⁷	2.05	3.22	5.57	0.19 ⁶	1.13	3.31	5.08	8.82	0.54 ⁷	1.99	4.89	7.47	12.83						
	24	1.34 ⁶	2.50 ⁷	4.79	0.14 ⁶	2.34 ⁷	4.08	7.68	0.95 ⁶	3.78	6.37	11.57									

30 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)					362S200-(mils)					
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	
8	12	0.78	1.49	2.99	4.08	0.56 ⁷	1.16	2.43	3.44	0.85	1.59	3.17	4.38	1.13	2.13	4.06	5.58					
	16	0.43 ⁶	1.11 ⁷	2.64	3.72	0.24 ⁶	0.81 ⁷	2.11	3.10	0.50 ⁷	1.21	2.82	4.01	0.74 ⁷	1.71	3.65	5.18					
	24	0.42 ⁶	1.99 ⁶	3.05	0.18 ⁶	1.52 ⁶	2.47 ⁷	0.52 ⁶	0.52 ⁶	0.216 ⁷	3.32	0.02 ⁶	0.95 ⁷	2.89	4.42							
9	12	0.46 ⁶	1.11 ⁷	2.48	3.48	0.28 ⁶	0.83 ⁷	2.03	2.94	0.53 ⁶	1.21	2.68	3.77	0.77 ⁷	1.68							

Combined Axial and Lateral Load Tables

30 psf Lateral Load

Wall Height (in.)	Spacing (ft)	400S137-(mils)				400S162-(mils)				400S200-(mils)				550S162-(mils)			
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68
8	12	0.72	1.38	2.81	4.06	1.05	1.86	3.67	5.18	1.35	2.46	4.68	6.55	1.77	2.77	5.06	6.86
	16	0.4 ⁷	1.04	2.50	3.72	0.70	1.50	3.32	4.81	0.97	2.06	4.28	6.14	1.52	2.53	4.83	6.63
	24		0.41 ⁶	1.9 ⁷	3.07	0.05 ⁶	0.81 ⁷	2.66	4.10	0.26 ⁶	1.30	3.52	5.37	1.04	2.06	4.38	6.16
9	12	0.44 ⁷	1.06	2.43	3.63	0.73 ⁷	1.49	3.20	4.61	0.99	2.03	4.09	5.84	1.54	2.54	4.82	6.64
	16	0.07 ⁶	0.67 ⁶	2.06	3.21	0.33 ⁶	1.07 ⁷	2.78	4.16	0.55 ⁷	1.56	3.61	5.35	1.23	2.24	4.53	6.33
	24		1.37 ⁶	2.45 ⁶		0.28 ⁶	3.33 ⁷			0.70 ⁶	2.73 ⁷	4.45	0.65	1.65	3.96	5.74	
10	12	0.17 ⁶	0.74 ⁶	2.03 ⁷	3.11	0.41 ⁶	1.12 ⁷	2.70	3.99	0.64 ⁷	1.59	3.47	5.09	1.29	2.28	4.50	6.36
	16		0.30 ⁶	1.61 ⁶	2.65 ⁷		0.64 ⁶	2.24 ⁷	3.48	0.15 ⁶	1.07 ⁶	2.94	4.54	0.93	1.91	4.14	5.98
	24		0.85 ³	1.80 ⁶			1.40 ⁶	2.57 ⁶		0.13 ⁶	1.98 ⁶	3.54 ⁶	0.24 ⁶	1.22 ⁷	3.46	5.24	
12	12		0.14 ³	1.25 ⁶	2.09 ⁶		0.43 ⁶	1.75 ⁶	2.76 ⁶	0.78 ⁶	2.31 ⁶	3.62 ⁷	0.76 ⁷	1.69	3.74	5.45	
	16		0.79 ³	1.58 ⁶			1.25 ³	2.20 ⁶		0.20 ³	1.73 ⁶	3.00 ⁶	0.30 ⁶	1.22 ⁷	3.27	4.93	
	24			0.68 ³			0.36 ²	1.23 ³			0.71 ³	1.93 ³		0.35 ⁶	2.39 ⁶	3.97 ⁷	
14	12			0.62 ³	1.24 ³			0.98 ³	1.72 ⁶	0.13 ³	1.36 ³	2.36 ⁶	0.24 ⁶	1.08 ⁶	2.91 ⁷	4.40	
	16			0.16 ²	0.73 ²			0.48 ²	1.18 ³		0.79 ³	1.76 ³		0.53 ⁶	2.35 ⁶	3.78 ⁶	
	24							0.25 ²			0.74 ²			1.35 ³	2.67 ⁶		
16	12				0.16 ²	0.62 ²			0.42 ²	0.98 ³		0.68 ²	1.45 ³	0.51 ³	2.10 ⁶	3.35 ⁶	
	16				0.15 ²				0.48 ²		0.14 ²	0.89 ²		1.50 ³	2.69 ⁶		
	24												0.46 ²	1.52 ³			

30 psf Lateral Load

Wall Height (in.)	Spacing (ft)	600S137-(mils)				600S162-(mils)				600S200-(mils)								
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi						
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68	
8	12	1.25	1.99	3.39	4.62	7.14		1.87	2.87	5.12	6.94	10.83		1.87	2.87	5.12	6.94	10.83
	16	1.05	1.79	3.21	4.45	6.99		1.65	2.66	4.92	6.74	10.61		1.65	2.66	4.92	6.74	10.61
	24	0.65	1.39	2.87	4.10	6.67		1.21	2.24	4.53	6.33	10.17		1.21	2.24	4.53	6.33	10.17
9	12	1.08	1.82	3.23	4.47	7.00		1.68	2.68	4.94	6.75	10.62		1.68	2.68	4.94	6.75	10.62
	16	0.83	1.56	3.02	4.24	6.80		1.40	2.41	4.69	6.49	10.34		1.40	2.41	4.69	6.49	10.34
	24	0.33	1.06	2.59	3.81	6.39		0.86	1.89	4.19	5.97	9.77		0.86	1.89	4.19	5.97	9.77
10	12	0.89	1.63	3.06	4.29	6.83		1.47	2.47	4.73	6.53	10.37		1.47	2.47	4.73	6.53	10.37
	16	0.58	1.31	2.79	4.01	6.58		1.13	2.14	4.41	6.20	10.01		1.13	2.14	4.41	6.20	10.01
	24	0.71	1.45	2.27	3.48	6.07		0.49 ⁷	1.51	3.80	5.56	9.30		0.49 ⁷	1.51	3.80	5.56	9.30
12	12	0.47 ⁷	1.18	2.65	3.86	6.41		0.98	1.96	4.17	5.98	9.73		0.98	1.96	4.17	5.98	9.73
	16	0.06 ⁶	0.76 ⁷	2.27	3.46	6.03		0.53 ⁶	1.51	3.72	5.49	9.18		0.53 ⁶	1.51	3.72	5.49	9.18
	24	1.55 ⁶	2.71 ⁷	5.30			0.67 ⁶	2.88 ⁷	4.58	8.14		0.67 ⁶	2.88 ⁷	4.58	8.14			
14	12	0.03 ⁶	0.69 ⁶	2.17 ⁷	3.33	5.87	0.46 ⁶	1.37 ⁷	3.40	5.06	8.83	0.46 ⁶	1.37 ⁷	3.40	5.06	8.83		
	16	0.17 ⁶		1.67 ⁶	2.81 ⁷	5.35		0.83 ⁶		2.85 ⁶	4.46	8.09		0.83 ⁶		2.85 ⁶	4.46	8.09
	24	0.78 ³	1.86 ⁶	4.38 ⁶				1.85 ⁶	3.35 ⁶	6.74 ⁷			1.85 ⁶	3.35 ⁶	6.74 ⁷			
16	12	0.20 ⁶		1.64 ⁶	2.74 ⁶	5.21		0.80 ⁶		2.60 ⁶	4.05 ⁷	7.28		0.80 ⁶		2.60 ⁶	4.05 ⁷	7.28
	16	1.05 ³	2.11 ⁶	4.56 ⁶			0.20 ³		1.98 ⁶	3.36 ⁶	6.44 ⁷		0.20 ³		1.98 ⁶	3.36 ⁶	6.44 ⁷	
	24	0.03 ²	1.00 ³	3.38 ⁶				0.91 ³	2.15 ³	4.95 ⁶			0.91 ³	2.15 ³	4.95 ⁶			

30 psf Lateral Load

Wall Height (in.)	Spacing (ft)	800S137-(mils)				800S162-(mils)				800S200-(mils)								
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi						
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68	
8	12	1.36	2.09	3.30	4.48	6.93		1.96	2.94	5.06	6.88	10.86		2.50	4.04	7.31	9.89	15.55
	16	1.22	1.95	3.18	4.37	6.82		1.79	2.77	4.91	6.73	10.70		2.32	3.86	7.14	9.73	15.38
	24	0.94	1.67	2.96	4.15	6.59		1.44	2.43	4.61	6.43	10.38		1.94	3.51	6.78	9.40	15.03
9	12	1.25	1.97	3.20	4.38	6.83		1.82	2.79	4.94	6.75	10.72		2.35	3.89	7.16	9.75	15.40
	16	1.07	1.80	3.06	4.25	6.69		1.60	2.58	4.74	6.56	10.51		2.11	3.66	6.93	9.54	15.18
	24	0.71	1.45	2.78	3.97	6.40		1.17	2.16	4.36	6.18	10.11		1.64	3.21	6.48	9.12	14.73
10	12	1.12	1.84	3.10	4.28	6.72		1.66	2.64	4.79	6.61	10.56		2.17	3.72	6.98	9.58	15.22
	16	0.90	1.63	2.92	4.11	6.54		1.39	2.37	4.55	6.37	10.30		1.88	3.44	6.70	9.32	14.94
	24	0.46	1.20	2.58	3.76	6.18		0.86	1.85	4.08	5.90	9.79						

Combined Axial and Lateral Load Tables

35 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)				362S137-(mils)				362S162-(mils)				362S200-(mils)							
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi					
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68				
8	12	0.60 ⁷	1.30	2.81	3.90	0.40 ⁷	0.98	2.27	3.27	0.67 ⁷	1.40	2.99	4.19	0.93	1.92	3.85	5.38				
	16	0.20 ⁶	0.87 ⁷	2.41	3.49	0.03 ⁶	0.59 ⁶	1.91 ⁷	2.88	0.27 ⁶	0.98 ⁷	2.59	3.77	0.49 ⁷	1.45	3.39	4.92				
	24	0.11 ⁶	1.68 ⁶	2.73 ⁷		1.24 ⁶	2.17 ⁶			0.20 ⁶	1.85 ⁶	2.99 ⁷		0.60 ⁶	2.54 ⁷	4.06					
9	12	0.26 ⁶	0.89 ⁶	2.28 ⁷	3.27	0.10 ⁶	0.63 ⁶	1.84 ⁷	2.74	0.33 ⁶	0.99 ⁷	2.47	3.55	0.54 ⁶	1.44	3.20	4.60				
	16	0.42 ⁶		1.83 ⁶	2.80 ⁷		0.19 ⁶	1.43 ⁶	2.30 ⁷		0.52 ⁶	2.02 ⁶	3.07 ⁷	0.05 ⁶	0.92 ⁶	2.68 ⁷	4.07				
	24			1.04 ³	1.96 ⁶			0.68 ³	1.50 ⁶			1.20 ⁶	2.21 ⁶			1.73 ⁶	3.12 ⁶				
10	12	0.51 ⁶		1.77 ⁶	2.65 ⁷		0.29 ⁶	1.42 ⁶	2.22 ⁶	0.01 ³	0.60 ⁶	1.96 ⁶	2.92 ⁷	0.18 ⁶	0.99 ⁶	2.57 ⁷	3.83				
	16	0.01 ³		1.30 ⁶	2.15 ⁶			0.97 ⁶	1.74 ⁶		0.10 ³	1.47 ⁶	2.40 ⁶		0.43 ⁶	2.01 ⁶	3.26 ⁷				
	24			0.47 ³	1.27 ³			0.19 ³	0.90 ³			0.61 ³	1.48 ³			1.02 ³	2.24 ⁶				
12	12			0.91 ³	1.58 ⁶			0.68 ³	1.28 ³	0.22 ²	0.79 ³		1.06 ³	1.78 ⁶		0.21 ³	1.46 ⁶	2.44 ⁶			
	16			0.45 ²	1.07 ³							0.56 ³	1.25 ³		0.34 ²	0.90 ³	1.86 ³		0.85 ²		
	24				0.21 ²									0.41 ²	0.96 ³		0.45 ²	0.67 ³	1.43 ³		
14	12			0.32 ²	0.82 ²			0.15 ²	0.60 ²		0.13 ²						0.39 ²	0.13 ²	0.87 ²		
	16				0.34 ²													0.14 ²	0.73 ²		0.22 ²
	24				0.30 ²					0.14 ²											

35 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	400S137-(mils)				400S162-(mils)				400S200-(mils)				550S162-(mils)			
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68
8	12	0.56	1.21	2.66	3.89	0.87	1.68	3.49	4.99	1.16	2.26	4.48	6.34	1.64	2.65	4.94	6.74
	16	0.20 ⁶	0.83	2.29	3.50	0.47 ⁷	1.26	3.09	4.57	0.72	1.80	4.02	5.88	1.36	2.37	4.68	6.47
	24	0.11 ⁶	1.62 ⁶	2.77		0.49 ⁶	2.34 ⁷	3.76			0.95 ⁷	3.15	5.00	0.80	1.83	4.16	5.93
9	12	0.25 ⁶	0.86 ⁷	2.24	3.42	0.52 ⁷	1.28	2.99	4.38	0.77 ⁷	1.79	3.84	5.60	1.39	2.39	4.67	6.48
	16	0.42 ⁶		1.82 ⁷	2.95	0.07 ⁶	0.79 ⁶	2.52	3.87	0.27 ⁶	1.26 ⁷	3.31	5.04	1.03	2.04	4.33	6.13
	24			1.05 ⁶	2.09 ⁶			1.66 ⁶	2.94 ⁶		0.30 ⁶	2.32 ⁶	4.03 ⁷	0.36 ⁷	1.37	3.68	5.45
10	12	0.51 ⁶		1.82 ⁷	2.87	0.19 ⁶	0.88 ⁶	2.47 ⁷	3.73	0.39 ⁶	1.33 ⁷	3.20	4.81	1.11	2.09	4.32	6.17
	16	0.02 ⁶		1.35 ⁶	2.35 ⁶		0.35 ⁶	1.95 ⁶	3.17 ⁷		0.74 ⁶	2.61 ⁷	4.20	0.69 ⁷	1.68	3.91	5.73
	24	0.51 ³	1.42 ⁶			1.02 ³	2.15 ⁶				1.54 ⁶	3.08 ⁶		0.89 ⁷	3.13	4.89	
12	12			1.02 ³	1.82 ⁶		0.16 ³	1.49 ⁶	2.47 ⁶	0.49 ⁶	2.01 ⁶	3.30 ⁶		0.52 ⁶	1.45 ⁷	3.50	5.19
	16			0.50 ³	1.26 ³		0.93 ³	1.86 ⁶			1.37 ⁶	2.63 ⁶		0.01 ⁶	0.92 ⁶	2.97 ⁷	4.60
	24				0.28 ²			0.79 ³			0.26 ³	1.45 ³			1.98 ⁶	3.51 ⁶	
14	12			0.38 ²	0.98 ³			0.72 ³	1.44 ³	0.17 ²	0.85 ²		1.07 ³	2.05 ⁶	0.80 ⁶	2.62 ⁶	4.09 ⁷
	16				0.43 ²					0.44 ²	1.40 ³		0.28 ²		0.18 ³	2.00 ⁶	3.40 ⁶
	24			0.38 ²				0.18 ²	0.72 ²		0.40 ²	1.16 ³		0.21 ³	1.79 ⁶	3.01 ⁶	0.90 ³

35 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S137-(mils)					600S162-(mils)					600S200-(mils)				
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	33 ksi		50 ksi		97
		33	43	54	68		33	43	54	68		33	43	54	68	
8	12	1.15	1.89	3.30	4.53	7.06	1.76	2.76	5.02	6.84	10.72	2.13	3.52	6.66	9.22	14.82
	16	0.91	1.66	3.10	4.33	6.88	1.50	2.51	4.79	6.60	10.47	1.85	3.22	6.36	8.93	14.50
	24	0.45	1.19	2.71	3.94	6.52	1.00	2.03	4.34	6.13	9.96	1.30	2.62	5.75	8.36	13.88
9	12	0.95	1.69	3.12	4.35	6.90	1.54	2.55	4.81	6.62	10.48	1.88	3.23	6.30	8.83	14.32
	16	0.66	1.39	2.87	4.10	6.66	1.22	2.24	4.52	6.31	10.15	1.53	2.85	5.91	8.46	13.91
	24	0.09 ⁷	0.82	2.38	3.60	6.19	0.60	1.63	3.94	5.72	9.49	0.85	2.11	5.15	7.73	13.11
10	12	0.74	1.47	2.93	4.15	6.70	1.30	2.31	4.21	5.98	9.77	1.60	2.90	5.87	8.37	13.71
	16	0.38	1.11	2.61	3.83	6.41	0.91	1.93	4.21	5.98	9.77	1.18	2.44	5.40	7.91	13.20
	24	0.42 ⁷	2.01	3.21	5.82	0.18 ⁶	1.20	3.50	5.24	8.95	1.39 ⁷	1.56	4.49	7.03	12.21	
12	12	0.26 ⁶	0.97	2.46	3.66	6.22	0.75 ⁷	1.73	3.94	5.73	9.45	0.99	2.17	4.89	7.26	12.21
	16	0.48 ⁶		2.02 ⁷	3.21	5.78	0.25 ⁶	1.22 ⁷	3.43	5.18	8.83	0.45 ⁶	1.56	4.25	6.64	11.49
	24	1.20 ⁶	2.35 ⁶	4.95			0.28 ⁶		2.48 ⁶	4.15 ⁷	7.65	0.44 ⁶	3.07 ⁷	5.46	10.13	
14	12	1.92 ⁶	3.07	5.61		0.20 ⁶	1.10 ⁶	3.12 ⁷	4.76	8.45	0.38 ⁶	1.40<sup				

Combined Axial and Lateral Load Tables

35 psf Lateral Load

Wall Height (in.)	Spacing (ft)	800S137-(mils)					800S162-(mils)					800S200-(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	1.29	2.02	3.24	4.42	6.87	1.88	2.85	4.99	6.81	10.78	2.41	3.95	7.23	9.81	15.46
	16	1.13	1.85	3.11	4.29	6.74	1.67	2.65	4.81	6.63	10.59	2.19	3.74	7.02	9.62	15.26
	24	0.80	1.53	2.85	4.04	6.48	1.27	2.26	4.46	6.29	10.22	1.76	3.33	6.61	9.24	14.86
9	12	1.16	1.88	3.13	4.31	6.76	1.71	2.69	4.84	6.66	10.62	2.23	3.78	7.05	9.64	15.29
	16	0.95	1.68	2.97	4.15	6.59	1.45	2.44	4.62	6.44	10.38	1.95	3.51	6.78	9.40	15.03
	24	0.54	1.27	2.64	3.83	6.26	0.95	1.95	4.17	6.00	9.90	1.41	2.99	6.25	8.91	14.51
10	12	1.01	1.73	3.01	4.19	6.63	1.52	2.50	4.67	6.49	10.43	2.03	3.58	6.84	9.45	15.08
	16	0.75	1.48	2.81	3.99	6.42	1.21	2.20	4.39	6.21	10.13	1.69	3.25	6.51	9.14	14.75
	24	0.25	0.99	2.40	3.59	6.01	0.60	1.59	3.84	5.67	9.54	1.03	2.61	5.86	8.54	14.10
12	12	0.66	1.39	2.72	3.91	6.33	1.09	2.07	4.27	6.08	9.98	1.56	3.12	6.34	8.98	14.56
	16	0.31	1.03	2.43	3.61	6.02	0.66	1.64	3.86	5.68	9.54	1.08	2.65	5.86	8.53	14.07
	24	0.34	1.86	3.04	5.41		0.80	3.08	4.89	8.67		0.18	1.75	4.93	7.65	13.11
14	12	0.27 ⁷	0.99	2.38	3.56	5.95	0.61	1.58	3.78	5.57	9.41	1.01	2.54	5.65	8.33	13.89
	16		0.52 ⁷	1.98	3.16	5.52	0.05 ⁶	1.01	3.24	5.03	8.80	0.41 ⁷	1.93	5.01	7.71	13.20
	24		1.23 ⁶	2.40	4.70			2.21 ⁷	3.97	7.62		0.78 ⁷	3.79	6.53	11.87	
16	12		0.54 ⁷	1.98	3.15	5.49	0.09 ⁶	1.02 ⁷	3.21	4.97	8.70	0.43 ⁷	1.89	4.78	7.35	12.70
	16			1.48 ⁶	2.64	4.94		0.33 ⁶	2.53 ⁷	4.27	7.91		1.16 ⁷	4.00	6.58	11.82
	24			0.55 ⁶	1.68 ⁶	3.89 ⁷			1.27 ⁶	2.96 ⁶	6.40		2.55 ⁶	5.15 ⁷	10.15	

40 psf Lateral Load

Wall Height (in.)	Spacing (ft)	350S162-(mils)					362S137-(mils)					362S162-(mils)					362S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	88	33	43	54	68	88	33	43	54	68	88	33	43	54	68	88
8	12	0.43 ⁶	1.11 ⁷	2.64	3.72	0.24 ⁶	0.81 ⁷	2.11	3.10	0.50 ⁷	1.21	2.82	4.01	0.74 ⁷	1.71	3.65	5.18				
	16		0.65 ⁶	2.20 ⁷	3.26		0.38 ⁶	1.71 ⁷	2.67		0.06 ⁶	0.75 ⁶	2.37 ⁷	3.54	0.25 ⁶	1.20 ⁷	3.14	4.67			
	24	0.00 ³	1.39 ⁶	2.42 ⁶			0.97 ⁶	1.88 ⁶			1.56 ⁶	2.68 ⁶			0.26 ⁶	2.19 ⁶	3.72 ⁷				
9	12	0.07 ⁶	0.69 ⁶	2.08 ⁷	3.06		0.44 ⁶	1.66 ⁶	2.55 ⁷		0.13 ⁶	0.78 ⁶	2.27 ⁷	3.34	0.32 ⁶	1.21 ⁷	2.97	4.37			
	16		0.17 ⁶	1.60 ⁶	2.55 ⁶			1.21 ⁶	2.07 ⁶		0.26 ⁶	1.77 ⁶	2.82 ⁷		0.64 ⁶	2.40 ⁶	3.79				
	24		0.72 ³	1.63 ⁶			0.39 ³	1.19 ³			0.87 ³	1.86 ⁶			1.36 ⁶	2.73 ⁶					
10	12		0.29 ⁶	1.56 ⁶	2.43 ⁶		0.09 ³	1.22 ⁶	2.01 ⁶		0.38 ⁶	1.74 ⁶	2.69 ⁷		0.74 ⁶	2.32 ⁶	3.58 ⁷				
	16			1.05 ³	1.89 ⁶		0.74 ³	1.49 ⁶			1.21 ⁶	2.12 ⁶		0.13 ³	1.71 ⁶	2.95 ⁶					
	24		0.15 ²	0.93 ³				0.57 ³			0.27 ³	1.12 ³		0.64 ³	1.85 ³						
12	12			0.70 ³	1.35 ³			0.48 ³	1.06 ³		0.84 ³	1.55 ³		0.30 ²	0.97 ³		1.21 ³	2.19 ⁶			
	16			0.20 ²	0.81 ³			0.54 ²			0.30 ²	0.97 ³		0.60 ³	1.55 ³		0.60 ³	1.55 ³		0.45 ²	
	24				0.11 ²						0.21 ²	0.73 ²		0.19 ²			0.43 ²	1.18 ³		0.58 ²	
14	12				0.13 ²	0.60 ²			0.39 ²					0.19 ²							0.50 ²
	16				0.09 ²																
	24																				
16	12					0.15 ²				0.48 ²											
	16																				
	24																				

40 psf Lateral Load

Wall Height (in.)	Spacing (ft)	400S137-(mils)					400S162-(mils)					400S200-(mils)					550S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	88	33	43	54	68	88	33	43	54	68	88	33	43	54	68	88
8	12	0.40 ⁷	1.04	2.50	3.72	0.70	1.50	3.32	4.81	0.97	2.06	4.28	6.14	1.52	2.53	4.83	6.63				
	16		0.62 ⁷	2.10	3.28	0.26 ⁶	1.03	2.87	4.33	0.49 ⁷	1.55	3.76	5.62	1.19	2.21	4.53	6.32				
	24	1.35 ⁶	2.47 ⁷			0.18 ⁶	2.04 ⁷	3.44		0.61 ⁶	2.80 ⁷	4.64		0.57	1.60	3.94	5.71				
9	12	0.07 ⁶	0.67 ⁶	2.06	3.21	0.33 ⁶	1.07 ⁷	2.78	4.16	0.55 ⁷	1.56	3.61	5.35	1.23	2.24	4.53	6.33				
	16		0.18 ⁶	1.59 ⁶	2.70 ⁷		0.53 ⁶	2.26 ⁷	3.60		0.98 ⁷	3.01	4.74	0.84	1.85	4.15	5.93				
	24	0.74 ⁶	1.75 ⁶				1.32 ⁶	2.57 ⁶			1.93 ⁶	3.62 ⁷	0.09 ⁶	1.10	3.41	5.16					
10	12		0.30 ⁶	1.61 ⁶	2.65 ⁷		0.64 ⁶	2.24 ⁷	3.48	0.15 ⁶	1.07 ⁶	2.94	4.54	0.93	1.91	4.14	5.98				
	16			1.09 ⁶	2.07 ⁶		0.66 ⁶	1.67 ⁶	2.8												

Combined Axial and Lateral Load Tables

40 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	600S137-(mils)					600S162-(mils)					600S200-(mils)									
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97			33	43	54	68	97			33	43	54	68	97	
8	12	1.05	1.79	3.21	4.45	6.99	1.65	2.66	4.92	6.74	10.61	2.01	3.39	6.53	9.10	14.69					
	16	0.78	1.52	2.99	4.22	6.78	1.36	2.37	4.66	6.47	10.32	1.69	3.05	6.18	8.77	14.32					
	24	0.26	1.00	2.54	3.77	6.36	0.79	1.82	4.15	5.93	9.74	1.07	2.37	5.49	8.11	13.61					
9	12	0.83	1.56	3.02	4.24	6.80	1.40	2.41	4.69	6.49	10.34	1.73	3.06	6.13	8.67	14.14					
	16	0.49	1.23	2.73	3.95	6.53	1.04	2.06	4.35	6.14	9.96	1.33	2.63	5.69	8.25	13.68					
	24	0.58	2.17	3.38	6.00	0.35 ⁷	1.38	3.7	5.46	9.22	0.57	1.80	4.83	7.43	12.77						
10	12	0.58	1.31	2.79	4.01	6.58	1.13	2.14	4.41	6.20	10.01	1.42	2.70	5.67	8.17	13.49					
	16	0.19 ⁷	0.91	2.44	3.65	6.24	0.70	1.71	4.00	5.77	9.53	0.95	2.19	5.13	7.66	12.92					
	24	0.14 ⁶	1.76 ⁷	2.96	5.58		0.90 ⁷	3.21	4.94	8.61	0.06 ⁶	1.20	4.11	6.66	11.80						
12	12	0.06 ⁶	0.76 ⁷	2.27	3.46	6.03	0.53 ⁶	1.51	3.72	5.49	9.18	0.76 ⁷	1.90	4.61	6.99	11.90					
	16	0.22 ⁶	1.78 ⁷	2.95	5.54		0.94 ⁶	3.15 ⁷	4.88	8.48	2.10 ⁶	3.73 ⁶	7.17	0.15 ⁶	1.23 ⁷	3.90	6.29	11.09			
	24	0.87 ⁶	2.00 ⁶	4.60 ⁷							0.95 ³	2.35 ⁶	5.51 ⁶	2.60 ⁶	4.98 ⁷	9.58					
14	12	0.17 ⁶	1.67 ⁶	2.81 ⁷	5.35		0.83 ⁶	2.85 ⁶	4.46	8.09	0.10 ⁶	1.08 ⁶	3.47 ⁷	5.65	10.01						
	16	1.07 ⁶	2.17 ⁶	4.70 ⁷			0.16 ³	2.17 ⁶	3.71 ⁶	7.17	0.30 ⁶		2.64 ⁶	4.81 ⁷	9.01						
	24	0.99 ³	3.49 ⁶								0.95 ³	2.35 ⁶	5.51 ⁶	1.16 ³	3.28 ⁶	7.22 ⁶					
16	12		1.05 ³	2.11 ⁶	4.56 ⁶		0.20 ³	1.98 ⁶	3.36 ⁶	6.44 ⁷	0.32 ⁶	2.39 ⁶	4.32 ⁶	8.05							
	16		0.35 ³	1.35 ³	3.76 ⁶			1.25 ³	2.54 ⁶	5.42 ⁶	0.76 ⁶	1.51 ³	3.39 ⁶	6.95 ⁶							
	24		0.01 ²	2.34 ³				1.09 ³	3.64 ³	1.09 ³	1.77 ³	5.01 ⁶									

40 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	800S137-(mils)					800S162-(mils)					800S200-(mils)									
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97			33	43	54	68	97			33	43	54	68	97	
8	12	1.22	1.95	3.18	4.37	6.82	1.79	2.77	4.91	6.73	10.70	2.32	3.86	7.14	9.73	15.38					
	16	1.03	1.76	3.04	4.22	6.67	1.56	2.54	4.71	6.53	10.49	2.07	3.63	6.90	9.51	15.15					
	24	0.66	1.40	2.74	3.93	6.36	1.10	2.10	4.31	6.14	10.06	1.58	3.16	6.43	9.08	14.69					
9	12	1.07	1.80	3.06	4.25	6.69	1.60	2.58	4.74	6.56	10.51	2.11	3.66	6.93	9.54	15.18					
	16	0.83	1.56	2.87	4.06	6.50	1.31	2.30	4.49	6.31	10.24	1.80	3.36	6.63	9.26	14.88					
	24	0.36	1.10	2.50	3.69	6.11	0.74	1.74	3.98	5.81	9.70	1.18	2.77	6.03	8.71	14.29					
10	12	0.90	1.63	2.92	4.11	6.54	1.39	2.37	4.55	6.37	10.3	1.88	3.44	6.70	9.32	14.94					
	16	0.61	1.34	2.69	3.88	6.30	1.03	2.02	4.23	6.05	9.96	1.50	3.07	6.32	8.97	14.57					
	24	0.04	0.78	2.23	3.43	5.83	0.34	1.34	3.61	5.43	9.29	0.75	2.34	5.58	8.28	13.83					
12	12	0.51	1.23	2.60	3.78	6.20	0.91	1.89	4.09	5.91	9.79	1.35	2.91	6.13	8.79	14.35					
	16	0.11	0.83	2.26	3.45	5.84	0.41	1.40	3.64	5.45	9.29	0.82	2.39	5.59	8.27	13.80					
	24	0.06 ⁷	1.61	2.80	5.16		0.45	2.76	4.56	8.31		1.38	4.53	7.28	12.71						
14	12	0.07 ⁷	0.78	2.21	3.39	5.77	0.37 ⁷	1.33	3.54	5.34	9.14	0.75	2.27	5.37	8.06	13.59					
	16	0.26 ⁷	1.76	2.94	5.29		0.69 ⁷	2.94	4.72	8.45		0.07 ⁷	1.59	4.65	7.37	12.81					
	24	0.91 ⁶	2.08 ⁷	4.36			1.79 ⁶	3.54	7.13		0.32 ⁶	3.29 ⁷	6.04	11.32							
16	12	0.30 ⁶	1.76 ⁷	2.93	5.25		0.72 ⁷	2.91	4.67	8.36	0.12 ⁶	1.57	4.44	7.02	12.32						
	16	1.21 ⁶	2.36 ⁷	4.63			2.16 ⁶	3.88	7.46	0.76 ⁶	1.57	4.44	7.02	12.32							
	24	0.17 ³	1.28 ⁶	3.45 ⁶			0.77 ⁶	2.43 ⁶	5.79 ⁷		1.98 ⁶	4.57 ⁶	9.48								

50 psf Lateral Load

Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)					362S137-(mils)					362S162-(mils)					362S200-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	0.09 ⁶	0.76 ⁶	2.30 ⁷	3.38		0.49 ⁶	1.81 ⁷	2.78	0.16 ⁶	0.86 ⁷	2.48	3.66	0.37 ⁶	1.33	3.26	4.79				
	16	0.21 ⁶	1.78 ⁶	2.83 ⁷			0.46 ³	1.33 ⁶	2.27 ⁷	0.31 ⁶	1.96 ⁶	3.10 ⁷	4.18	0.72 ⁶	2.65 ⁷	4.18					
	24	0.83 ³	1.84 ⁶				0.6	1.33 ⁶		0.99 ⁶	2.08 ⁶		1.54 ⁶	3.06 ⁶							
9	12	0.29 ⁶	1.71 ⁶	2.68 ⁷			0.07 ⁶	1.32 ⁶	2.18 ⁶	0.39 ⁶	1.89 ⁶	2.94 ⁷	3.93								

Combined Axial and Lateral Load Tables

50 psf Lateral Load

Wall Height (in.)	Spacing (ft)	400S137-(mils)				400S162-(mils)				400S200-(mils)				550S162-(mils)					
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi			
		33	43	54	68	33	43	54	68	33	43	54	68	33	43	54	68		
8	12	0.10 ⁶	0.72 ⁷	2.19	3.39	0.37 ⁷	1.15	2.98	4.45	0.60 ⁷	1.67	3.89	5.75	1.28	2.29	4.60	6.39		
	16			0.21 ⁶		1.71 ⁷	2.87			0.03 ⁶	1.07 ⁷	3.27	5.12	0.88	1.90	4.23	6.01		
	24			0.82 ⁶	1.90 ⁶			1.46 ⁶	2.81 ⁶			2.13 ⁶	3.95 ⁷	0.12 ⁷	1.15	3.51	5.26		
9	12	0.29 ⁶		1.70 ⁶	2.82 ⁷			0.66 ⁶	2.39 ⁷	3.73	0.14 ⁶	1.12 ⁷	3.16	4.89	0.93	1.94	4.24	6.03	
	16			1.15 ⁶	2.21 ⁶			0.04 ⁶	1.78 ⁶	3.07 ⁷		0.43 ⁶		2.46 ⁶	4.17	0.46 ⁷	1.47	3.77	5.54
	24			0.15 ³	1.10 ³				0.68 ³	1.87 ⁶			1.19 ⁶	2.84 ⁶		0.56 ⁶	2.88 ⁷	4.60	
10	12			1.22 ⁶	2.21 ⁶			0.20 ⁶	1.81 ⁶	3.01 ⁷		0.58 ⁶		2.45 ⁶	4.03 ⁷	0.58 ⁷	1.56	3.80	5.61
	16			0.62 ³	1.55 ⁶				1.14 ⁶	2.29 ⁶			1.69 ⁶	3.23 ⁶	0.02 ⁶	1.00 ⁷	3.24	5.01	
	24				0.37 ³					1.00 ³			0.35 ³	1.82 ³			2.20 ⁶	3.88 ⁷	
12	12			0.37 ³	1.11 ³				0.78 ³	1.70 ³			1.20 ³	2.45 ⁶		0.77 ⁶	2.82 ⁷	4.44	
	16				0.41 ²				0.09 ²	0.94 ³			0.41 ³	1.61 ³		0.07 ⁶	2.12 ⁶	3.66 ⁶	
	24												0.16 ²			0.84 ³	2.26 ⁶		
14	12				0.28 ²				0.03 ²	0.70 ²			0.28 ²	1.23 ³		0.02 ³	1.83 ⁶	3.21 ⁶	
	16												0.43 ²			1.05 ³	2.33 ³		
	24								0.02 ²					0.39 ²		0.96 ³	2.08 ³		
16	12														0.15 ²	1.17 ²			
	16																		
	24																		

50 psf Lateral Load

Wall Height (in.)	Spacing (ft)	600S137-(mils)					600S162-(mils)					600S200-(mils)							
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	118	33 ksi		50 ksi		97	118	
		33	43	54	68	97	33	43	54	97	118	33	43	54	68	97	118		
8	12	0.85	1.59	3.04	4.27	6.83	1.43	2.44	4.73	6.53	10.39	13.19	1.77	3.13	6.27	8.85	14.41	18.73	
	16	0.52	1.26	2.76	3.99	6.57	1.07	2.10	4.40	6.20	10.03	12.81	1.38	2.71	5.83	8.44	13.97	18.24	
	24	0.61		2.21	3.43	6.05	0.38	1.42	3.77	5.54	9.31	12.07	0.62	1.88	4.99	7.63	13.08	17.30	
9	12	0.58	1.31	2.80	4.03	6.59	1.13	2.15	4.44	6.23	10.05	12.83	1.43	2.74	5.80	8.35	13.79	18.09	
	16	0.17 ⁷	0.90	2.45	3.67	6.26	0.69	1.72	4.03	5.80	9.58	12.34	0.95	2.21	5.25	7.83	13.22	17.47	
	24	0.11 ⁷		1.76	2.97	5.60		0.88 ⁷	3.23	4.97	8.67	11.38	0.03 ⁷	1.20	4.21	6.83	12.10	16.26	
10	12	0.29 ⁷	1.01	2.53	3.74	6.32	0.81	1.82	4.10	5.87	9.65	12.40	1.07	2.31	5.26	7.78	13.06	17.22	
	16	0.52 ⁷		2.09	3.30	5.91	0.28 ⁷	1.30	3.60	5.35	9.07	11.79	0.50 ⁷	1.69	4.61	7.15	12.35	16.45	
	24	1.27 ⁶	2.45 ⁷	5.10			0.32 ⁶	2.64 ⁷	4.33	7.94	10.60		0.50 ⁷	3.38	5.94	11.00	14.96		
12	12	0.35 ⁶		1.90 ⁷	3.08	5.66	0.11 ⁶	1.08 ⁷	3.29	5.03	8.66	11.32	0.30 ⁶	1.40 ⁷	4.08	6.46	11.29	15.06	
	16			1.32 ⁶	2.47 ⁷	5.07		0.41 ⁶		2.61 ⁶	4.29 ⁷	7.81	10.42	0.60 ⁶		3.23 ⁷	5.62	10.32	13.99
	24			0.24 ³	1.33 ⁶	3.94 ⁶			1.37 ⁶	2.93 ⁶	6.24 ⁷	8.74		1.69 ⁶	4.06 ⁶	8.52	11.99		
14	12			1.21 ⁶	2.32 ⁶	4.86 ⁷		0.32 ⁶		2.34 ⁶	3.89 ⁶	7.39	9.93	0.49 ⁶		2.85 ⁶	5.01 ⁷	9.25	12.53
	16			0.50 ³	1.56 ⁶	4.08 ⁶			1.54 ³	3.01 ⁶	6.32 ⁶	8.76 ⁷		1.88 ⁶	4.02 ⁶	8.09 ⁷	11.22		
	24			0.19 ³	2.66 ³			0.13 ²	1.43 ³	4.39 ⁶	6.65 ⁶		0.16 ³	2.25 ³	5.99 ⁶	8.89			
16	12			0.52 ³	1.53 ³	3.95 ⁶			1.42 ³	2.73 ⁶	5.67 ⁶	8.00 ⁷		1.72 ⁶	3.62 ⁶	7.22 ⁷	9.96		
	16			0.66 ³	3.02 ³			0.57 ²	1.79 ³	4.50 ⁶	6.68 ⁶		0.70 ³	2.55 ³	5.94 ⁶	8.54			
	24			1.39 ²					0.13 ²	2.47 ³	4.39 ³		0.70 ²	3.72 ³	6.06				

50 psf Lateral Load

Wall Height (in.)	Spacing (ft)	800S137-(mils)					800S162-(mils)					800S200-(mils)						
		33 ksi		50 ksi		97	33 ksi		50 ksi		97	118	33 ksi		50 ksi		97	118
		33	43	54	68	97	33	43	54	97	118	33	43	54	68	97	118	
8	12	1.08	1.81	3.07	4.26	6.70	1.62	2.60	4.76	6.58	10.54	13.67	2.13	3.69	6.96	9.56	15.21	19.64
	16	0.85	1.58	2.89	4.08	6.51	1.33	2.32	4.51	6.34	10.27	13.44	1.82	3.39	6.66	9.29	14.92	19.34
	24	0.38	1.13	2.52	3.72	6.14	0.77	1.77	4.02	5.85	9.75	12.97	1.21	2.81	6.08	8.75	14.35	18.73
9	12	0.89	1.62	2.92	4.11	6.54	1.38	2.37	4.55	6.37	10.31	13.47	1.87	3.44	6.70	9.33	14.95	19.37
	16	0.60	1.33	2.69	3.88	6.30	1.02	2.02	4.24	6.06	9.97	13.17	1.49	3.07	6.33	8.98	14.58	18.98
	24	0.02	0.76	2.23	3.42	5.83	0.32	1.32	3.61	5.44	9.30	12.57	0.73	2.33	5.59	8.30	13.85	18.20
10	12	0.68	1.41	2.75	3.94	6.36	1.12	2.11	4.31	6.13	10.05	13.23	1.59	3.16	6.42	9.06	14.66	19.06
	16	0.32	1.06	2.46	3.65	6.07	0.68	1.68	3.92	5.74	9.63	12.86	1.12	2.70	5.95	8.63	14.20	18.56
	24	0.37		1.89	3.09	5.47		0.84	3.15	4.97	8.79	12.11</td						

Floor Joist Span Tables

Allowable Floor Joist Span Table Notes

- Spans are based on continuous support of compression flange over the full length of the joist
- For two equal spans, the listed span is the distance from either end to the center support, with the joist continuous over the center support.
- Joists must be braced against rotation at all supports.
- End shear and web crippling capacity have not been reduced for punchouts.
- End web crippling check is based on 3.5 inch end bearing. Where listed allowable spans are followed by "e", web stiffeners are required at end supports.
- Mid-Span supports not checked for web crippling. Web stiffeners required at mid-span supports.
- 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.
- Total load deflection limited to L/240. Live load deflection limit as noted.
- Alternate span live loading has been considered for two equal span conditions.

Bridging

Recommendations

Floor joist bridging may be spaced as follows, except where member design requires or will accommodate an alternate spacing.

Span (ft)	Minimum Number of Rows
up to 14 ft.	1 row at mid-span
14 ft. to 20 ft.	2 rows at $\frac{1}{3}$ points
20 ft. to 26 ft.	3 rows at $\frac{1}{4}$ points

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.	12	16	24	12	16	24	12	16	24	12	16
600S162-33	33	15' 9"	13' 9" e	11' 3" e	15' 11"	13' 9"	11' 3" e	14' 4"	13' 0" e	11' 3" e	15' 11"	13' 9"	11' 3" e
600S200-33	33	16' 6" e	14' 4" e	11' 8" e	16' 6"	14' 4"	11' 8" e	15' 0"	13' 8" e	11' 8" e	16' 6"	14' 4"	11' 8" e
600S162-43	33	17' 2"	15' 7"	13' 7" e	19' 3"	16' 8"	13' 7"	15' 7"	14' 2"	12' 5"	17' 6"	15' 11"	13' 7"
600S200-43	33	18' 0"	16' 5"	13' 10" e	19' 7"	16' 11"	13' 10"	16' 5"	14' 11"	13' 0"	18' 5"	16' 9"	13' 10"
600S250-43	33	18' 11"	17' 2"	14' 2" e	20' 1"	17' 5"	14' 2"	17' 2"	15' 7"	13' 7" e	19' 3"	17' 5"	14' 2"
600S162-54	50	18' 5"	16' 9"	14' 7"	20' 8"	18' 9"	16' 5"	16' 9"	15' 2"	13' 3"	18' 9"	17' 1"	14' 11"
600S200-54	50	19' 4"	17' 7"	15' 4"	21' 9"	19' 9"	17' 3"	17' 7"	16' 0"	14' 0"	19' 9"	17' 11"	15' 8"
600S250-54	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"
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"
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"
600S250-68	50	21' 9"	19' 9"	17' 3"	24' 5"	22' 3"	19' 5"	19' 9"	18' 0"	15' 8"	22' 3"	20' 2"	17' 8"
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"
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"
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"
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"
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"
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"
800S162-33	33	17' 8" e	15' 3" e	12' 6" e	17' 8" e	14' 6" e	10' 9" e	17' 8" e	15' 3" e	12' 6" e	17' 8" e	14' 6" e	10' 9" e
800S200-33	33	18' 11" e	16' 5" e	13' 5" e	18' 5" e	15' 1" e	11' 2" e	18' 10" e	16' 5" e	13' 5" e	18' 5" e	15' 1" e	11' 2" e
800S162-43	33	21' 2"	18' 4"	15' 0" e	21' 2"	18' 4"	15' 0"	19' 6"	17' 8"	15' 0" e	21' 2"	18' 4"	15' 0"
800S200-43	33	22' 8"	20' 7" e	16' 10" e	23' 10"	20' 8"	16' 10"	20' 7"	18' 8"	16' 4" e	23' 1"	20' 8"	16' 10"
800S250-43	33	23' 7"	20' 10" e	17' 0" e	24' 0"	20' 10"	17' 0" e	21' 5"	19' 6" e	17' 0" e	24' 0"	20' 10"	17' 0" e
800S162-54	50	23' 1"	20' 11"	18' 3"	25' 10"	23' 6"	20' 3"	20' 11"	19' 0"	16' 7"	23' 6"	21' 4"	18' 8"
800S200-54	50	24' 4"	22' 1"	19' 4"	27' 4"	24' 10"	21' 8"	22' 1"	20' 1"	17' 6"	24' 10"	22' 6"	19' 8"
800S250-54	50	25' 3"	22' 11"	20' 1"	28' 4"	25' 9"	22' 6"	22' 11"	20' 10"	18' 3"	25' 9"	23' 5"	20' 5"
800S162-68	50	24' 11"	22' 8"	19' 9"	28' 0"	25' 5"	22' 2"	22' 8"	20' 7"	18' 0"	25' 5"	23' 1"	20' 2"
800S200-68	50	26' 1"	23' 9"	20' 9"	29' 4"	26' 8"	23' 3"	23' 9"	21' 7"	18' 10"	26' 8"	24' 2"	21' 2"
800S250-68	50	27' 3"	24' 9"	21' 7"	30' 7"	27' 9"	24' 3"	24' 9"	22' 6"	19' 8"	27' 9"	25' 3"	22' 1"
800S162-97	50	27' 8"	25' 2"	22' 0"	31' 4"	28' 3"	24' 8"	25' 2"	22' 10"	20' 0"	28' 3"	25' 8"	22' 5"
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"
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"
800S162-118	50	29' 4"	26' 7"	23' 3"	32' 11"	29' 11"	26' 1"	26' 7"	24' 2"	21' 1"	29' 11"	27' 2"	23' 9"
800S200-118	50	30' 9"	27' 11"	24' 5"	34' 6"	31' 5"	27' 5"	27' 11"	25' 5"	22' 2"	31' 5"	28' 6"	24' 11"
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"
1000S162-43	33	23' 11" e	20' 9" e	16' 11" e	23' 11" e	20' 9" e	16' 5" e	23' 1" e	20' 9" e	16' 11" e	23' 11" e	20' 9" e	16' 5" e
1000S200-43	33	25' 5" e	22' 0" e	18' 0" e	25' 5" e	22' 0" e	17' 0" e	24' 2" e	21' 11" e	18' 0" e	25' 5" e	22' 0" e	17' 0" e
1000S250-43	33	26' 8" e	23' 1" e	18' 10" e	26' 8" e	23' 1" e	17' 6" e	25' 7" e	23' 1" e	18' 10" e	26' 8" e	23' 1" e	17' 6" e
1000S162-54	50	27' 5"	24' 10"	21' 9"	30' 9"	27' 11"	22' 10"	24' 10"	22' 7"	19' 9"	27' 11"	25' 4"	22' 2"
1000S200-54	50	28' 8"	26' 0"	22' 9"	32' 2"	29' 2"	23' 10"	26' 0"	23' 8"	20' 8"	29' 3"	26' 7"	23' 2"
1000S250-54	50	30' 3"	27' 6"	24' 0"	33' 11"	30' 7"	25' 0"	27' 6"	25' 0"	21' 10"	30' 10"	28' 0"	24' 6"
1000S162-68	50	29' 8"	27' 0"	23' 7"	33' 4"	30' 3"	26' 6"	27' 0"	24' 6"	21' 5"	30' 3"	27' 6"	24' 0"
1000S200-68	50	31' 0"	28' 2"	24' 7"	34' 10"	31' 8"	27' 8"	28' 2"	25' 7"	22' 4"	31' 8"	28' 9"	25' 1"
1000S250-68	50	32' 6"	29' 7"	25' 10"	36' 6"	33' 2"	29' 0"	29' 7"	26' 10"	23' 5"	33' 2"	30' 2"	26' 4"
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"
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"
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"
1000S162-118	50	35' 4"	32' 1"	28' 0"	39' 8"	36' 0"	31' 6"	32' 1"	29' 2"	25' 6"	36' 0"	32' 9"	28' 7"
1000S200-118	50	36' 11"	33' 7"	29' 4"	41' 6"	37' 8"	32' 11"	35' 3"	33' 7"	30' 6"	26' 8"	37' 8"	34' 3"
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"

"e" Requires web stiffeners at end supports

Web stiffeners required at all interior supports for 2-span conditions.

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

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		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	13' 9" e	11' 11" e	9' 9" e	13' 9"	11' 11"	9' 5" e	12' 6" e	11' 4" e	9' 9" e	13' 9"	11' 11"	9' 5" e
600S200-33	33	14' 4" e	12' 5" e	10' 1" e	14' 4"	12' 5" e	9' 8" e	13' 1" e	11' 11" e	10' 1" e	14' 4"	12' 5" e	9' 8" e
600S162-43	33	15' 0"	13' 8"	11' 9" e	16' 8"	14' 5"	11' 9"	13' 8"	12' 5"	10' 10" e	15' 4"	13' 11"	11' 9"
600S200-43	33	15' 9"	14' 4"	12' 0" e	16' 11"	14' 8"	12' 0"	14' 4"	13' 0"	11' 4" e	16' 1"	14' 7"	12' 0"
600S250-43	33	16' 6"	15' 0" e	12' 4" e	17' 5"	15' 1"	12' 4"	15' 0"	13' 7"	11' 11" e	16' 10"	15' 1"	12' 4"
600S162-54	50	16' 1"	14' 7"	12' 9" e	18' 1"	16' 5"	14' 4"	14' 7"	13' 3"	11' 7"	16' 5"	14' 11"	13' 0"
600S200-54	50	16' 11"	15' 4"	13' 5"	19' 0"	17' 3"	15' 1"	15' 4"	14' 0"	12' 2"	17' 3"	15' 8"	13' 8"
600S250-54	50	17' 8"	16' 0"	14' 0" e	19' 10"	18' 0"	15' 9"	16' 0"	14' 7"	12' 9"	18' 0"	16' 4"	14' 3"
600S162-68	50	17' 3"	15' 8"	13' 8" e	19' 4"	17' 7"	15' 4"	15' 8"	14' 3"	12' 5"	17' 7"	16' 0"	14' 0"
600S200-68	50	18' 2"	16' 6"	14' 5"	20' 4"	18' 6"	16' 2"	16' 6"	15' 0"	13' 1"	18' 6"	16' 10"	14' 8"
600S250-68	50	19' 0"	17' 3"	15' 1"	21' 4"	19' 5"	16' 11"	17' 3"	15' 8"	13' 9"	19' 5"	17' 8"	15' 5"
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"
600S200-97	50	20' 2"	18' 4"	16' 0"	22' 7"	20' 7"	17' 11"	18' 4"	16' 8"	14' 6"	20' 7"	18' 8"	16' 4"
600S250-97	50	21' 2"	19' 3"	16' 9" e	23' 9"	21' 7"	18' 10"	19' 3"	17' 6"	15' 3"	21' 7"	19' 7"	17' 2"
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"
600S200-118	50	21' 4"	19' 4"	16' 11"	23' 11"	21' 9"	19' 0"	19' 4"	17' 7"	15' 4"	21' 9"	19' 9"	17' 3"
600S250-118	50	22' 5"	20' 4"	17' 9" e	25' 2"	22' 10"	20' 0" e	20' 4"	18' 6"	16' 2"	22' 10"	20' 9"	18' 2"
800S162-33	33	15' 3" e	13' 3" e	10' 10" e	14' 6" e	11' 9" e	8' 8" e	15' 3" e	13' 3" e	10' 10" e	14' 6" e	11' 9" e	8' 8" e
800S200-33	33	16' 5" e	14' 2" e	11' 7" e	15' 1" e	12' 2" e	8' 11" e	16' 5" e	14' 2" e	11' 7" e	15' 1" e	12' 2" e	8' 11" e
800S162-43	33	18' 4"	15' 10" e	12' 11" e	18' 4"	15' 10"	12' 11" e	17' 0"	15' 5" e	12' 11" e	18' 4"	15' 10"	12' 11" e
800S200-43	33	19' 9" e	17' 10" e	14' 7" e	20' 8"	17' 10"	14' 7" e	18' 0"	16' 4" e	14' 3" e	20' 2"	17' 10"	14' 7" e
800S250-43	33	20' 7" e	18' 0" e	14' 8" e	20' 10"	18' 0"	14' 8" e	18' 9"	17' 0" e	14' 8" e	20' 10"	18' 0"	14' 8" e
800S162-54	50	20' 2"	18' 3"	16' 0"	22' 7"	20' 6"	17' 6"	18' 3"	16' 7"	14' 6"	20' 6"	18' 8"	16' 4"
800S200-54	50	21' 3"	19' 4"	16' 10"	23' 10"	21' 8"	18' 11"	19' 4"	17' 6"	15' 4"	21' 8"	19' 8"	17' 2"
800S250-54	50	22' 1"	20' 1"	17' 6"	24' 9"	22' 6"	19' 6"	20' 1"	18' 3"	15' 11"	22' 6"	20' 5"	17' 10"
800S162-68	50	21' 9"	19' 9"	17' 3"	24' 5"	22' 2"	19' 5"	19' 9"	18' 0"	15' 8"	22' 2"	20' 2"	17' 7"
800S200-68	50	22' 10"	20' 9"	18' 1"	25' 7"	23' 3"	20' 4"	20' 9"	18' 10"	16' 5"	23' 3"	21' 2"	18' 6"
800S250-68	50	23' 9"	21' 7"	18' 11" e	26' 8"	24' 3"	21' 2"	21' 7"	19' 8"	17' 2"	24' 3"	22' 1"	19' 3"
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' 0"	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' 4"	22' 10"	23' 3"	21' 1"	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" e	31' 7"	28' 8"	25' 1" e	25' 6"	23' 2"	20' 3"	28' 8"	26' 1"	22' 9"
1000S162-43	33	20' 9" e	17' 11" e	14' 8" e	20' 9" e	17' 10" e	13' 4" e	20' 2" e	17' 11" e	14' 8" e	20' 9" e	17' 10" e	13' 4" e
1000S200-43	33	22' 0" e	19' 1" e	15' 7" e	22' 0" e	18' 6" e	13' 10" e	21' 1" e	19' 1" e	15' 7" e	22' 0" e	18' 6" e	13' 10" e
1000S250-43	33	23' 1" e	20' 0" e	16' 4" e	23' 1" e	19' 0" e	14' 2" e	22' 4" e	20' 0" e	16' 4" e	23' 1" e	19' 0" e	14' 2" e
1000S162-54	50	23' 11"	21' 9"	19' 0"	26' 10"	24' 3"	19' 10"	21' 9"	19' 9"	17' 3"	24' 5"	22' 2"	19' 4"
1000S200-54	50	25' 0"	22' 9"	19' 10"	28' 1"	25' 3"	20' 8"	22' 9"	20' 8"	18' 1"	25' 6"	23' 2"	20' 3"
1000S250-54	50	26' 5"	24' 0"	21' 0"	29' 8"	26' 6"	21' 8"	24' 0"	21' 10"	19' 1"	26' 11"	24' 6"	21' 5"
1000S162-68	50	25' 11"	23' 7"	20' 7"	29' 1"	26' 6"	23' 1"	23' 7"	21' 5"	18' 8"	26' 6"	24' 0"	21' 0"
1000S200-68	50	27' 1"	24' 7"	21' 6"	30' 5"	27' 8"	24' 2"	24' 7"	22' 4"	19' 7"	27' 8"	25' 1"	21' 11"
1000S250-68	50	28' 5"	25' 10"	22' 7"	31' 11"	29' 0"	25' 4"	25' 10"	23' 5"	20' 6"	29' 0"	26' 4"	23' 0"
1000S162-97	50	29' 2"	26' 6"	23' 1"	32' 8"	29' 9"	26' 0"	26' 6"	24' 1"	21' 0"	29' 9"	27' 0"	23' 7"
1000S200-97	50	30' 5"	27' 8"	24' 2"	34' 2"	31' 0"	27' 1"	27' 8"	25' 1"	21' 11"	31' 0"	28' 2"	24' 8"
1000S250-97	50	31' 8"	28' 9"	25' 2"	35' 7"	32' 4"	28' 3"	28' 9"	26' 2"	22' 10"	32' 4"	29' 4"	25' 8"
1000S162-118	50	30' 10"	28' 0"	24' 6"	34' 8"	31' 6"	27' 6"	28' 0"	25' 6"	22' 3"	31' 6"	28' 7"	25' 0"
1000S200-118	50	32' 3"	29' 4"	25' 7"	36' 3"	32' 11"	28' 9"	29' 4"	26' 8"	23' 3"	32' 11"	29' 11"	26' 1"
1000S250-118	50	33' 7"	30' 7"	26' 8"	37' 9"	34' 4"	29' 11"	30' 7"	27' 9"	24' 3"	34' 4"	31' 2"	27' 3"

"e" Requires web stiffeners at end supports Web stiffeners required at all interior supports for 2-span conditions.

See page 34 for Allowable Floor Joist Span Table Notes.

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

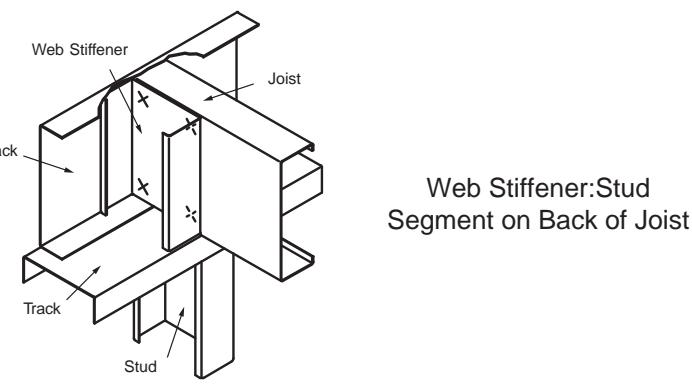
"e" Requires web stiffeners at end supports Web stiffeners required at all interior supports for 2-span conditions.

See page 34 for Allowable Floor Joist Span Table Notes.

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



"e" Requires web stiffeners at end supports
Web stiffeners required at all interior supports
for 2-span conditions.

Floor Joist Span Tables

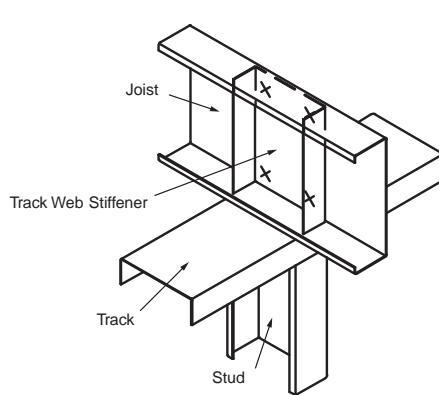
10 psf Dead Load and 40 psf Live Load

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

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



Web Stiffener:
Track Inside Joist

"e" Requires web stiffeners at end supports
Web stiffeners required at all interior supports
for 2-span conditions.

Floor Joist Span Tables

10 psf Dead Load and 50 psf Live Load

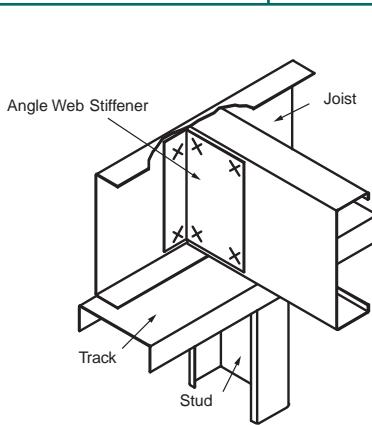
Member	Fy (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span Spacing (in) o.c.			Two Equal Spans Spacing (in) o.c.			Single Span Spacing (in)			Two Equal Spans Spacing (in)		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S162-54	50	-23' 2" e	21' 1" e	17' 10" e	25' 3" e	20'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

"e" Requires web stiffeners at end supports Web stiffeners required at all interior supports for 2-span conditions.

See page 34 for Allowable Floor Joist Span Table Notes.

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



Web Stiffener: Clip Angle

"e" Requires web stiffeners at end supports
Web stiffeners required at all interior supports
for 2-span conditions.

See page 34 for Allowable Floor Joist Span Table Notes.

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 Spacing (in) o.c.			Two Equal Spans Spacing (in) o.c.			Single Span Spacing (in) o.c.			Two Equal Spans Spacing (in) o.c.								
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
1200S162-54	50	16' 6" e	14' 4" e	9' 10" e	13' 10" e	11' 1" e	7' 10" e	15' 6" e	14' 1" e	9' 10" e	13' 10" e	11' 1" e	7' 10" e						
1200S200-54	50	17' 2" e	14' 9" e	9' 10" e	14' 1" e	11' 3" e	7' 10" e	16' 3" e	14' 9" e	9' 10" e	14' 1" e	11' 3" e	7' 10" e						
1200S250-54	50	17' 6" e	14' 9" e	9' 10" e	14' 3" e	11' 4" e	7' 10" e	16' 11" e	14' 9" e	9' 10" e	14' 3" e	11' 4" e	7' 10" e						
1200S162-68	50	18' 7" e	16' 10" e	13' 9" e	19' 5"	16' 9"	12' 7" e	16' 11"	15' 4" e	13' 5" e	19' 0"	16' 9"	12' 7" e						
1200S200-68	50	19' 5" e	17' 7" e	14' 6" e	20' 7"	17' 4"	13' 0" e	17' 7"	16' 0" e	14' 0" e	19' 9"	17' 4"	13' 0" e						
1200S250-68	50	20' 2" e	17' 11" e	14' 8" e	20' 8"	17' 5"	13' 1" e	18' 4" e	16' 8" e	14' 7" e	20' 7"	17' 5"	13' 1" e						
1200S162-97	50	21' 1"	19' 2"	16' 9"	23' 8"	20' 11"	17' 4"	19' 2"	17' 5"	15' 2"	21' 6"	19' 6"	17' 1"						
1200S200-97	50	21' 11"	19' 11"	17' 5" e	24' 7"	22' 4"	18' 3"	19' 11"	18' 1"	15' 10"	22' 4"	20' 4"	17' 9"						
1200S250-97	50	22' 9"	20' 8"	18' 1" e	25' 7"	23' 3"	18' 11"	20' 8"	18' 10"	16' 5"	23' 3"	21' 1"	18' 5"						
1200S162-118	50	22' 5"	20' 4"	17' 9"	25' 2"	22' 10"	19' 2"	20' 4"	18' 6"	16' 2"	22' 10"	20' 9"	18' 2"						
1200S200-118	50	23' 4"	21' 2"	18' 6"	26' 2"	23' 10"	20' 5"	21' 2"	19' 3"	16' 10"	23' 10"	21' 8"	18' 11"						
1200S250-118	50	24' 3"	22' 0"	19' 3"	27' 3"	24' 9"	21' 7"	22' 0"	20' 0"	17' 6"	24' 9"	22' 6"	19' 7"						
1200S300-118	50	25' 0"	22' 9"	19' 10"	28' 1"	25' 6"	22' 3"	22' 9"	20' 8"	18' 0"	25' 6"	23' 2"	20' 3"						
1200S350-118	50	26' 4"	23' 11"	20' 10"	29' 6"	26' 10"	23' 5"	23' 11"	21' 8"	19' 0"	26' 10"	24' 4"	21' 3"						
1400S162-54	50	16' 10" e	12' 7" e	8' 5" e	13' 2" e	10' 1" e	6' 9" e	16' 10" e	12' 7" e	8' 5" e	13' 2" e	10' 1" e	6' 9" e						
1400S200-54	50	16' 10" e	12' 7" e	8' 5" e	13' 4" e	10' 1" e	6' 9" e	16' 10" e	12' 7" e	8' 5" e	13' 4" e	10' 1" e	6' 9" e						
1400S250-54	50	16' 10" e	12' 7" e	8' 5" e	13' 5" e	10' 1" e	6' 9" e	16' 10" e	12' 7" e	8' 5" e	13' 5" e	10' 1" e	6' 9" e						
1400S300-54	50	16' 10" e	12' 7" e	8' 5" e	13' 5" e	10' 1" e	6' 9" e	16' 10" e	12' 7" e	8' 5" e	13' 5" e	10' 1" e	6' 9" e						
1400S350-54	50	16' 10" e	12' 7" e	8' 5" e	13' 5" e	10' 1" e	6' 9" e	16' 10" e	12' 7" e	8' 5" e	13' 5" e	10' 1" e	6' 9" e						
1400S162-68	50	21' 0" e	18' 4" e	14' 11" e	20' 3" e	16' 6" e	12' 2" e	19' 1" e	17' 4" e	14' 11" e	20' 3" e	16' 6" e	12' 2" e						
1400S200-68	50	21' 10" e	19' 4" e	15' 10" e	20' 11" e	17' 0" e	12' 6" e	19' 10" e	18' 0" e	15' 9" e	20' 11" e	17' 0" e	12' 6" e						
1400S250-68	50	22' 6" e	19' 6" e	15' 11" e	21' 0" e	17' 1" e	12' 6" e	20' 8" e	18' 9" e	15' 11" e	21' 0" e	17' 1" e	12' 6" e						
1400S300-68	50	22' 10" e	19' 9" e	16' 2" e	21' 2" e	17' 2" e	12' 7" e	21' 2" e	19' 3" e	16' 2" e	21' 2" e	17' 2" e	12' 7" e						
1400S350-68	50	25' 0" e	22' 5" e	16' 11" e	22' 8" e	18' 3" e	13' 4" e	22' 9" e	20' 8" e	16' 11" e	22' 8" e	18' 3" e	13' 4" e						
1400S162-97	50	23' 10"	21' 8"	18' 9" e	26' 6"	22' 11"	18' 9" e	21' 8"	19' 8"	17' 3" e	24' 4"	22' 1"	18' 9" e						
1400S200-97	50	24' 10"	22' 6"	19' 8" e	27' 10"	24' 5"	19' 11" e	22' 6"	20' 6"	17' 11" e	25' 4"	23' 0"	19' 11" e						
1400S250-97	50	25' 9"	23' 4"	20' 5" e	28' 10"	25' 4"	20' 8" e	23' 4"	21' 3"	18' 7" e	26' 3"	23' 10"	20' 8" e						
1400S300-97	50	26' 6"	24' 1" e	21' 0" e	29' 9"	26' 1" e	21' 4" e	24' 1"	21' 11"	19' 1" e	27' 0"	24' 7"	21' 4" e						
1400S350-97	50	28' 0"	25' 5" e	22' 2" e	31' 5"	28' 6" e	24' 2" e	25' 5"	23' 1"	20' 2" e	28' 6"	25' 11"	22' 2" e						
1400S162-118	50	25' 7"	23' 3"	20' 3"	28' 8"	25' 11"	21' 2"	23' 3"	21' 1"	18' 5"	26' 1"	23' 8"	20' 8"						
1400S200-118	50	26' 7"	24' 1"	21' 1"	29' 10"	27' 1"	22' 6"	24' 1"	21' 11"	19' 2"	27' 1"	24' 7"	21' 6"						
1400S250-118	50	27' 6"	25' 0"	21' 10"	30' 11"	28' 1"	23' 8"	25' 0"	22' 8"	19' 10"	28' 1"	25' 6"	22' 3"						
1400S300-118	50	28' 5"	25' 10"	22' 7"	31' 11"	29' 0"	24' 6"	25' 10"	23' 5"	20' 6"	29' 0"	26' 4"	23' 0"						
1400S350-118	50	29' 9"	27' 0"	23' 7" e	33' 5"	30' 4"	26' 6" e	27' 0"	24' 7"	21' 5"	30' 4"	27' 7"	24' 1"						
1600S162-68	50	22' 9" e	19' 8" e	14' 9" e	19' 10" e	16' 0" e	11' 7" e	21' 2" e	19' 2" e	14' 9" e	19' 10" e	16' 0" e	11' 7" e						
1600S200-68	50	24' 0" e	20' 10" e	14' 9" e	20' 5" e	16' 5" e	11' 9" e	22' 0" e	20' 0" e	14' 9" e	20' 5" e	16' 5" e	11' 9" e						
1600S250-68	50	24' 2" e	20' 11" e	14' 9" e	20' 6" e	16' 5" e	11' 9" e	22' 10" e	20' 9" e	14' 9" e	20' 6" e	16' 5" e	11' 9" e						
1600S300-68	50	24' 6" e	21' 3" e	14' 9" e	20' 7" e	16' 6" e	11' 9" e	23' 5" e	21' 3" e	14' 9" e	20' 7" e	16' 6" e	11' 9" e						
1600S350-68	50	27' 2" e	22' 1" e	14' 9" e	21' 8" e	17' 3" e	11' 9" e	24' 8" e	22' 1" e	14' 9" e	21' 8" e	17' 3" e	11' 9" e						
1600S162-97	50	26' 7"	24' 2" e	20' 3" e	28' 7"	24' 9" e	20' 3" e	24' 2"	21' 11"	19' 2" e	27' 1"	24' 8"	20' 3" e						
1600S200-97	50	27' 7"	25' 1" e	21' 6" e	30' 5"	26' 4" e	21' 6" e	25' 1"	22' 9"	19' 11" e	28' 1"	25' 7"	21' 6" e						
1600S250-97	50	28' 7"	25' 11" e	22' 4" e	31' 7"	27' 4" e	22' 4" e	25' 11"	23' 7"	20' 7" e	29' 2"	26' 6"	22' 4" e						
1600S300-97	50	29' 5"	26' 9" e	22' 11" e	32' 6"	28' 1" e	22' 11" e	26' 9"	24' 3" e	21' 2" e	30' 0"	27' 3" e	22' 11" e						
1600S350-97	50	30' 10"	28' 0" e	24' 5" e	34' 7"	29' 11" e	24' 4" e	28' 0"	25' 5" e	22' 3" e	31' 5"	28' 7" e	24' 4" e						
1600S162-118	50	28' 7"	25' 11" e	22' 8"	32' 1"	28' 2"	23' 0" e	25' 11"	23' 7"	20' 7" e	29' 1"	26' 5"	23' 0" e						
1600S200-118	50	29' 7"	26' 11"	23' 6" e	33' 3"	29' 10"	24' 4" e	26' 11"	24' 5"	21' 4" e	30' 2"	27' 5"	23' 11" e						
1600S250-118	50	30' 7"	27' 10"	24' 3" e	34' 4"	31' 3"	25' 8" e	27' 10"	25' 3"	22' 1" e	31' 3"	28' 4" e	24' 9" e						
1600S300-118	50	31' 7"	28' 8"	25' 1" e	35' 5"	32' 2"	26' 6" e	28' 8"	26' 1" e	22' 9" e	32' 2"	29' 3"	25' 7" e						
1600S350-118	50	33' 0"	29' 11"	26' 2" e	37' 0"	33' 8"	28' 5" e	29' 11"	27' 3"	23' 9" e	33' 8"	30' 7"	26' 8" e						

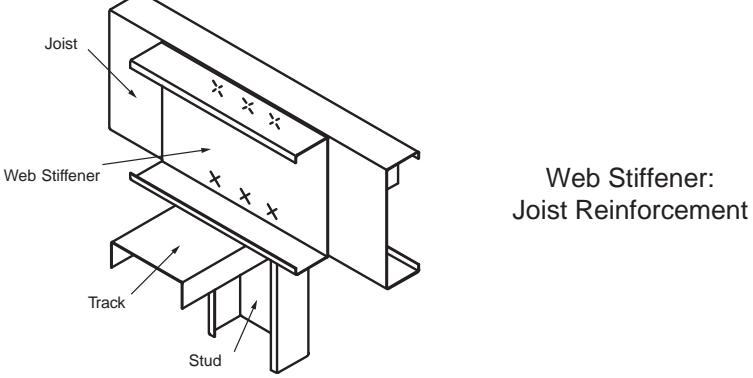
"e" Requires web stiffeners at end supports Web stiffeners required at all interior supports for 2-span conditions.

See page 34 for Allowable Floor Joist Span Table Notes.

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



"e" Requires web stiffeners at end supports
Web stiffeners required at all interior supports
for 2-span conditions.

See page 34 for Allowable Floor Joist Span Table Notes.

Floor Joist Span Tables

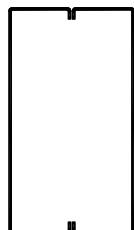
40 psf Dead Load and 125 psf Live Load

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

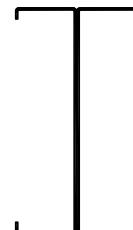
Header Load Tables

Header Load Table Notes

1. Deflection limit is L/360.
2. Allowable loads have not been modified for wind or earthquake loading.
3. Headers are made from two "boxed" or back to back members.
4. Allowable moment, shear and web crippling are based on twice the capacity of a single member. The moment of inertia is based on twice the value of the single member.
5. Bearing length for web crippling = 1" minimum.
6. Values are for unpunched members.
7. Members are assumed adequately braced for bending.
8. Allowable loads are for simply supported headers with uniform bending loads only.



Boxed Header



Back-to-Back Header

Header Allowable Uniform Loads (lb/ft)

Section	Yield Strength (ksi)	SPAN					
		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	128 e
550S162-43	33	2067 e	1233 e	789 e	548 e	308 e	165 e
550S162-54	33	2780 e	1564 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	5177 e	2912 e	1864 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	511 e	423 e	238 e	152 e
600S200-33	33	851 e	638 e	511 e	425 e	256 e	167 e
600S137-43	33	1887 e	1061 e	679 e	472 e	265 e	169 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	3764 e	2527 e	1617 e	1123 e	488 e	250 e
600S200-54	33	3566 e	2006 e	1284 e	892 e	502 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	271 e
600S137-68	50	4569 e	2570 e	1645 e	1142 e	528 e	271
600S162-68	33	3968 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	4506 e	2535 e	1622 e	1127 e	634 e	358 e
600S200-68	50	6475 e	3642 e	2331 e	1619 e	700 e	358
600S250-68	33	4863 e	2735 e	1751 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	5109 e	2874 e	1839 e	1277 e	715 e	366
600S137-97	50	7527 e	4234 e	2710 e	1695 e	715	366
600S162-97	33	5685 e	3198 e	2047 e	1421 e	800 e	419
600S162-97	50	8404 e	4727 e	3025 e	1941 e	819	419
600S200-97	33	6444 e	3625 e	2320 e	1611 e	906 e	491 e
600S200-97	50	9561 e	5378 e	3442 e	2271 e	958 e	491
600S250-97	33	7230 e	4067 e	2603 e	1808 e	1017 e	568 e
600S250-97	50	10278 e	5781 e	3700 e	2570 e	1109 e	568
600S162-118	33	6936 e	3901 e	2497 e	1734 e	965 e	494
600S162-118	50	10212 e	5744 e	3676 e	2287 e	965	494
600S200-118	33	7859 e	4421 e	2829 e	1964 e	1105 e	580
600S200-118	50	11620 e	6536 e	4183 e	2687 e	1133	580
600S250-118	33	8827 e	4965 e	3177 e	2206 e	1241 e	674 e
600S250-118	50	12729 e	7160 e	4582 e	3121 e	1316 e	674
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	270 e
							114 e
							130 e
							149 e
							164 e
							186 e

"e" Web stiffeners required at each support

Header Load Tables

Header Allowable Uniform Loads (lb/ft)

Section	Yield Strength (ksi)	SPAN						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
800S200-43	33	1402 e	1051 e	841 e	701 e	526 e	341 e	237 e
800S250-43	33	1402 e	1051 e	841 e	701 e	526 e	347 e	240 e
800S137-54	33	2788 e	1941 e	1242 e	863 e	485 e	310 e	216 e
800S137-54	50	2788 e	2091 e	1673 e	1201 e	676 e	432 e	252 e
800S162-54	33	2788 e	2091 e	1406 e	976 e	549 e	351 e	244 e
800S162-54	50	2788 e	2091 e	1673 e	1363 e	766 e	490 e	283 e
800S200-54	33	2788 e	2091 e	1673 e	1324 e	745 e	477 e	331 e
800S200-54	50	2788 e	2091 e	1673 e	1394 e	935 e	574 e	332 e
800S250-54	33	2788 e	2091 e	1673 e	1253 e	705 e	451 e	312 e
800S250-54	50	2788 e	2091 e	1673 e	1394 e	951 e	609 e	373 e
800S137-68	33	4511 e	2538 e	1624 e	1128 e	634 e	406 e	282 e
800S137-68	50	5628 e	3664 e	2345 e	1628 e	916 e	549 e	318 e
800S162-68	33	5085 e	2860 e	1831 e	1271 e	715 e	458 e	318 e
800S162-68	50	5628 e	4150 e	2656 e	1844 e	1038 e	618 e	358 e
800S200-68	33	5628 e	3774 e	2415 e	1677 e	944 e	604 e	412 e
800S200-68	50	5628 e	4221 e	3377 e	2415 e	1358 e	712 e	412 e
800S250-68	33	5628 e	4028 e	2578 e	1790 e	1007 e	644 e	448 e
800S250-68	50	5627 e	4221 e	3288 e	2283 e	1284 e	808 e	467 e
800S137-97	33	7865 e	4424 e	2832 e	1966 e	1106 e	708 e	435 e
800S137-97	50	9534 e	5363 e	3432 e	2383 e	1341 e	752 e	435
800S162-97	33	8633 e	4856 e	3108 e	2158 e	1214 e	777 e	491 e
800S162-97	50	10771 e	6059 e	3878 e	2693 e	1515 e	849 e	491
800S200-97	33	9648 e	5427 e	3473 e	2412 e	1357 e	868 e	567 e
800S200-97	50	14315 e	8052 e	5153 e	3579 e	1913 e	979 e	567
800S250-97	33	10677 e	6006 e	3844 e	2669 e	1501 e	961 e	647 e
800S250-97	50	14514 e	8558 e	5477 e	3804 e	2140 e	1118 e	647 e
800S162-118	33	10588 e	5955 e	3811 e	2647 e	1489 e	952 e	581 e
800S162-118	50	15589 e	8768 e	5612 e	3897 e	1964 e	1005 e	581
800S200-118	33	11819 e	6648 e	4255 e	2954 e	1662 e	1063 e	673 e
800S200-118	50	17474 e	9829 e	6290 e	4368 e	2273 e	1163 e	673
800S250-118	33	13082 e	7359 e	4709 e	3270 e	1839 e	1177 e	771 e
800S250-118	50	18890 e	10625 e	6800 e	4722 e	2602 e	1332 e	771
1000S137-43	33	1115 e	836 e	669 e	557 e	418 e	302 e	210 e
1000S162-43	33	1115 e	836 e	669 e	557 e	418 e	334 e	238 e
1000S200-43	33	1115 e	836 e	669 e	557 e	418 e	334 e	269 e
1000S250-43	33	1115 e	836 e	669 e	557 e	418 e	334 e	279 e
1000S137-54	33	2214 e	1661 e	1329 e	1107 e	628 e	402 e	279 e
1000S137-54	50	2214 e	1661 e	1329 e	1107 e	830 e	554 e	385 e
1000S162-54	33	2214 e	1661 e	1329 e	1107 e	709 e	454 e	315 e
1000S162-54	50	2214 e	1661 e	1329 e	1107 e	830 e	628 e	436 e
1000S200-54	33	2214 e	1661 e	1329 e	1107 e	818 e	523 e	363 e
1000S200-54	50	2214 e	1661 e	1329 e	1107 e	830 e	664 e	472 e
1000S250-54	33	2214 e	1661 e	1329 e	1107 e	830 e	600 e	417 e
1000S250-54	50	2214 e	1661 e	1329 e	1107 e	830 e	664 e	521 e
1000S137-68	33	4460 e	3341 e	2138 e	1485 e	835 e	534 e	371 e
1000S137-68	50	4460 e	3345 e	2676 e	2116 e	1190 e	762 e	529 e
1000S162-68	33	4460 e	3345 e	2399 e	1666 e	937 e	600 e	416 e
1000S162-68	50	4460 e	3345 e	2676 e	2230 e	1344 e	860 e	597 e
1000S200-68	33	4460 e	3345 e	2676 e	1908 e	1073 e	687 e	477 e
1000S200-68	50	4460 e	3345 e	2676 e	2230 e	1510 e	966 e	671 e
1000S250-68	33	4460 e	3345 e	2676 e	2230 e	1374 e	879 e	610 e
1000S250-68	50	4460 e	3345 e	2676 e	2230 e	1673 e	1105 e	768 e
1000S137-97	33	8895 e	5003 e	3202 e	2224 e	1251 e	800 e	556 e
1000S137-97	50	12937 e	7277 e	4657 e	3234 e	1819 e	1164 e	768 e
1000S162-97	33	9934 e	5588 e	3576 e	2484 e	1397 e	894 e	621 e
1000S162-97	50	13152 e	8157 e	5221 e	3626 e	2039 e	1305 e	858 e
1000S200-97	33	11321 e	6368 e	4076 e	2830 e	1592 e	1019 e	708 e
1000S200-97	50	13152 e	9333 e	5973 e	4148 e	2333 e	1493 e	978 e
1000S250-97	33	11791 e	8200 e	5248 e	3645 e	2050 e	1312 e	911 e
1000S250-97	50	13152 e	9864 e	7500 e	5208 e	2930 e	1875 e	1104 e
1000S162-118	33	14850 e	8353 e	5346 e	3712 e	2088 e	1336 e	928 e
1000S162-118	50	17892 e	10064 e	6441 e	4473 e	2516 e	1610 e	1020 e
1000S200-118	33	16369 e	9207 e	5893 e	4092 e	2302 e	1473 e	1023 e
1000S200-118	50	20449 e	11503 e	7361 e	5112 e	2875 e	1840 e	1166 e
1000S250-118	33	17585 e	10073 e	6447 e	4477 e	2518 e	1611 e	1119 e
1000S250-118	50	21646 e	14569 e	9324 e	6475 e	3642 e	2279 e	1319 e
1200S137-54	33	1836 e	1377 e	1102 e	918 e	689 e	493 e	343 e
1200S137-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e	459 e
1200S162-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e	386 e
1200S162-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e	459 e
1200S200-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e	444 e
1200S200-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e	459 e
1200S250-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e	454 e
1200S137-68	33	3694 e	2771 e	2217 e	1843 e	1037 e	664 e	461 e
1200S137-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	937 e	651 e
1200S162-68	33	3694 e	2771 e	2217 e	1847 e	1160 e	742 e	515 e
1200S162-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	1056 e	733 e
1200S200-68	33	3694 e	2771 e	2217 e	1847 e	1324 e	847 e	588 e
1200S200-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	1108 e	821 e
1200S250-68	33	3694 e	2771 e	2217 e	1847 e	1385 e	921 e	640 e
1200S250-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	1108 e	834 e
1200S137-97	33	10863 e	8147 e	5853 e	4065 e	2286 e	1463 e	1016 e
1200S137-97	50	10863 e	7125 e	4560 e	3167 e	1781 e	1140 e	792 e

"e" Web stiffeners required at each support
See page 46 for Header Load Table Notes

Header Load Tables

Header Allowable Uniform Loads (lb/ft)

Section	Yield Strength (ksi)	SPAN						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
1200S162-97	50	10863 e	8147 e	6518 e	4537 e	2552 e	1633 e	1134 e
1200S200-97	33	10863 e	8067 e	5163 e	3586 e	2017 e	1291 e	896 e
1200S200-97	50	10863 e	8147 e	6518 e	5167 e	2906 e	1860 e	1292 e
1200S250-97	33	10863 e	8147 e	5792 e	4022 e	2262 e	1448 e	1006 e
1200S250-97	50	10863 e	8147 e	6518 e	5431 e	3142 e	2011 e	1396 e
1200S162-118	33	15683 e	8822 e	5646 e	3921 e	2205 e	1411 e	980 e
1200S162-118	50	19980 e	12894 e	8252 e	5731 e	3223 e	2063 e	1432 e
1200S200-118	33	17585 e	9975 e	6384 e	4433 e	2493 e	1596 e	1108 e
1200S200-118	50	19980 e	14632 e	9365 e	6503 e	3658 e	2341 e	1625 e
1200S250-118	33	17585 e	11177 e	7153 e	4967 e	2794 e	1788 e	1241 e
1200S250-118	50	19980 e	14985 e	10445 e	7253 e	4080 e	2611 e	1813 e
1200S300-118	33	17585 e	13189 e	8840 e	6139 e	3453 e	2210 e	1534 e
1200S300-118	50	19980 e	14985 e	11988 e	9024 e	5076 e	3248 e	2256 e
1200S350-118	33	17585 e	13189 e	10279 e	7138 e	4015 e	2569 e	1784 e
1200S350-118	50	19980 e	14985 e	11988 e	9990 e	5709 e	3654 e	2537 e
1400S162-54	33	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S162-54	50	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S200-54	33	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S200-54	50	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S250-54	33	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S250-54	50	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S300-54	33	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S300-54	50	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S350-54	33	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S350-54	50	1568 e	1176 e	941 e	784 e	588 e	470 e	392 e
1400S162-68	33	3152 e	2364 e	1891 e	1576 e	1182 e	884 e	614 e
1400S162-68	50	3152 e	2364 e	1891 e	1576 e	1182 e	945 e	788 e
1400S200-68	33	3152 e	2364 e	1891 e	1576 e	1182 e	945 e	699 e
1400S200-68	50	3152 e	2364 e	1891 e	1576 e	1182 e	945 e	788 e
1400S250-68	33	3152 e	2364 e	1891 e	1576 e	1182 e	945 e	758 e
1400S250-68	50	3152 e	2364 e	1891 e	1576 e	1182 e	945 e	788 e
1400S300-68	33	3152 e	2364 e	1891 e	1576 e	1182 e	945 e	775 e
1400S300-68	50	3152 e	2364 e	1891 e	1576 e	1182 e	945 e	788 e
1400S350-68	33	3152 e	2364 e	1891 e	1576 e	1182 e	945 e	788 e
1400S162-97	33	9252 e	6939 e	5531 e	3841 e	2160 e	1382 e	960 e
1400S162-97	50	9252 e	6939 e	5551 e	4626 e	3065 e	1961 e	1362 e
1400S200-97	33	9252 e	6939 e	5551 e	4330 e	2436 e	1559 e	1082 e
1400S200-97	50	9252 e	6939 e	5551 e	4626 e	3469 e	2227 e	1546 e
1400S250-97	33	9252 e	6939 e	5551 e	4626 e	2721 e	1741 e	1209 e
1400S250-97	50	9252 e	6939 e	5551 e	4626 e	3469 e	2399 e	1666 e
1400S300-97	33	9252 e	6939 e	5551 e	4626 e	2896 e	1853 e	1287 e
1400S300-97	50	9252 e	6939 e	5551 e	4626 e	3469 e	2543 e	1766 e
1400S350-97	33	9252 e	6939 e	5551 e	4626 e	3469 e	2547 e	1769 e
1400S350-97	50	9252 e	6939 e	5551 e	4626 e	3469 e	2775 e	2270 e
1400S162-118	33	16993 e	10966 e	7018 e	4873 e	2741 e	1754 e	1218 e
1400S162-118	50	16993 e	12745 e	10030 e	6965 e	3918 e	2507 e	1741 e
1400S200-118	33	16993 e	12317 e	7883 e	5474 e	3079 e	1970 e	1368 e
1400S200-118	50	16993 e	12745 e	10196 e	7869 e	4426 e	2832 e	1967 e
1400S250-118	33	16993 e	12745 e	8779 e	6096 e	3429 e	2194 e	1524 e
1400S250-118	50	16993 e	12745 e	10196 e	8496 e	4915 e	3145 e	2184 e
1400S300-118	33	16993 e	12745 e	9533 e	6620 e	3724 e	2383 e	1655 e
1400S300-118	50	16993 e	12745 e	10196 e	8496 e	5256 e	3363 e	2336 e
1400S350-118	33	16993 e	12745 e	10196 e	8496 e	4978 e	3186 e	2212 e
1400S350-118	50	16993 e	12745 e	10196 e	8496 e	6372 e	4539 e	3152 e
1600S162-68	33	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S162-68	50	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S200-68	33	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S200-68	50	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S250-68	33	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S250-68	50	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S300-68	33	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S300-68	50	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S350-68	33	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S350-68	50	2749 e	2062 e	1649 e	1374 e	1031 e	824 e	687 e
1600S162-97	33	8057 e	6043 e	4834 e	4028 e	2541 e	1626 e	1129 e
1600S162-97	50	8057 e	6043 e	4834 e	4028 e	3021 e	2290 e	1590 e
1600S200-97	33	8057 e	6043 e	4834 e	4028 e	2856 e	1828 e	1269 e
1600S200-97	50	8057 e	6043 e	4834 e	4028 e	3021 e	2417 e	1801 e
1600S250-97	33	8057 e	6043 e	4834 e	4028 e	3021 e	2036 e	1414 e
1600S250-97	50	8057 e	6043 e	4834 e	4028 e	3021 e	2417 e	1935 e
1600S300-97	33	8057 e	6043 e	4834 e	4028 e	3021 e	2161 e	1500 e
1600S300-97	50	8057 e	6043 e	4834 e	4028 e	3021 e	2417 e	2014 e
1600S350-97	33	8057 e	6043 e	4834 e	4028 e	3021 e	2417 e	1787 e
1600S350-97	50	8057 e	6043 e	4834 e	4028 e	3021 e	2417 e	2014 e
1600S162-118	33	14783 e	11087 e	8346 e	5796 e	3260 e	2086 e	1449 e
1600S162-118	50	14783 e	11087 e	8870 e	7391 e	4614 e	2953 e	2051 e
1600S200-118	33	14783 e	11087 e	8870 e	6483 e	3646 e	2334 e	1620 e
1600S200-118	50	14783 e	11087 e	8870 e	7391 e	5196 e	3325 e	2309 e
1600S250-118	33	14783 e	11087 e	8870 e	7192 e	4045 e	2589 e	1798 e
1600S250-118	50	14783 e	11087 e	8870 e	7391 e	5543 e	3681 e	2556 e
1600S300-118	33	14783 e	11087 e	8870 e	7391 e	4379 e	2802 e	1946 e
1600S300-118	50	14783 e	11087 e	8870 e	7391 e	5543 e	3926 e	2726 e
1600S350-118	33	14783 e	11087 e	8870 e	7391 e	5091 e	3258 e	2262 e
1600S350-118	50	14783 e	11087 e	8870 e	7391 e	5543 e	4435 e	3134 e

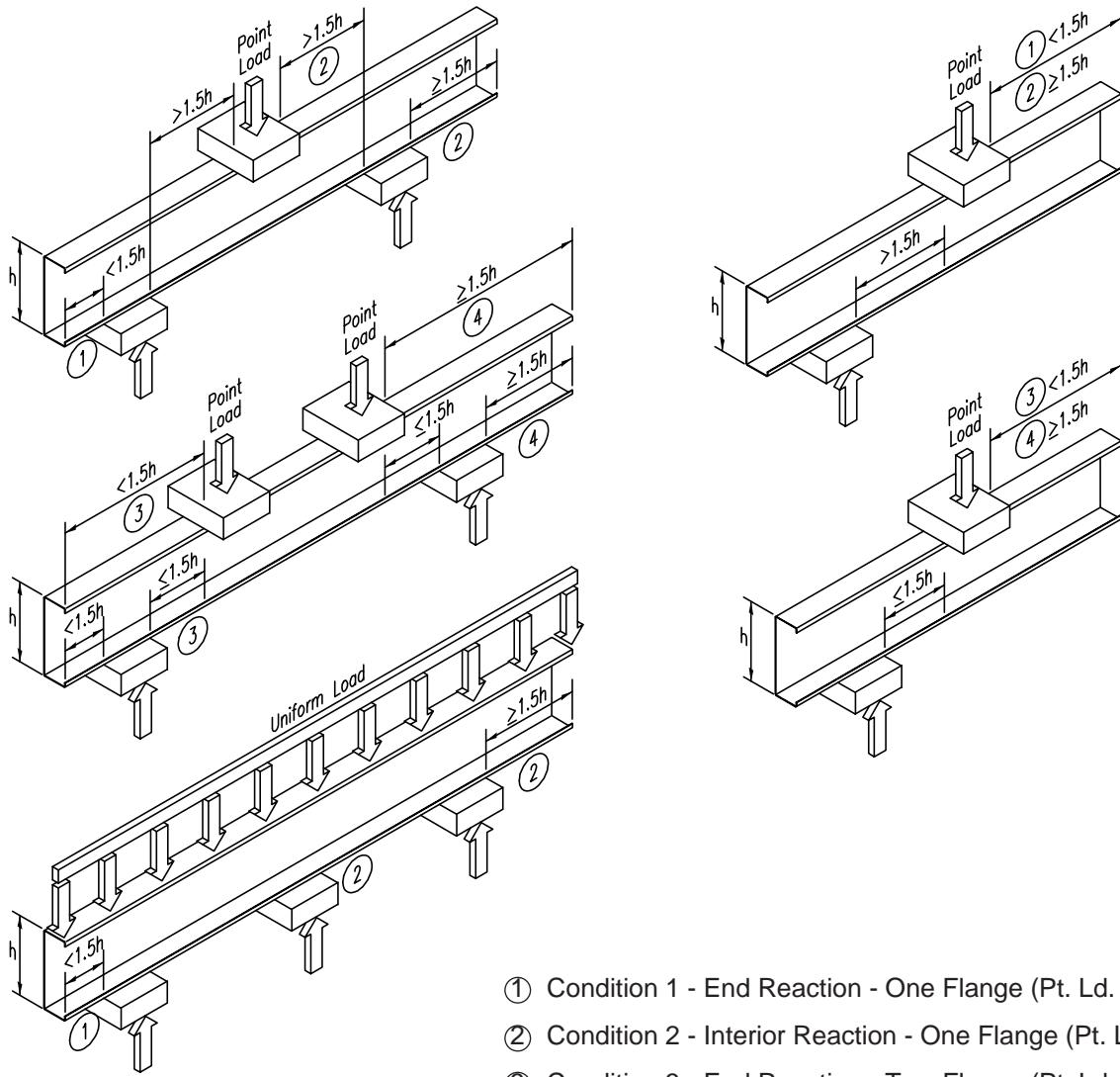
"e" Web stiffeners required at each support
See page 46 for Header Load Table Notes

Web Crippling Load Tables

Web Crippling Load Table Notes

1. Listed allowable loads apply only to channel members with stiffened flanges (S-sections).
2. For back-to-back members, the listed allowable loads are for the entire two-member assembly.
3. Listed allowable loads are based on members 'fastened to supports', except back-to-back members under two-flange loading (Conditions 3 and 4) for which data for 'fastened to support' is unavailable in the 2004 AISI Specification.
4. For back-to-back members, the distance between the web connectors and the flange shall be kept to a minimum.
5. Listed allowable loads are for unpunched webs. Capacity reductions for end and interior one flange loading (Conditions 1 and 2) near punchouts may be calculated per 2004 AISI Specification section C3.4.2.

Web Crippling Conditions



- ① Condition 1 - End Reaction - One Flange (Pt. Ld. > 1.5 h)
- ② Condition 2 - Interior Reaction - One Flange (Pt. Ld. > 1.5 h)
- ③ Condition 3 - End Reaction - Two Flange (Pt. Ld. ≤ 1.5 h)
- ④ Condition 4 - Interior Reaction - Two Flange (Pt. Ld. ≤ 1.5 h)

Web Crippling Load Tables

Allowable Web Crippling Loads (lbs) — Single Members

Designator Depth-Thickness	Yield Stress (ksi)	Condition 1			Condition 2			Condition 3			Condition 4							
		Bearing Length (in.)	1	3.5	6	Bearing Length (in.)	1	3.5	6	Bearing Length (in.)	1	3.5	6	Bearing Length (in.)	1	3.5	6	
162S-18	33	55	89	1	112 ^{1,2}	87	125	1	151 ^{1,2}	45	64	1	761 ^{1,2}	122	161	1	186 ^{1,2}	
162S-27	33	122	194	1	242 ^{1,2}	218	304	1	361 ^{1,2}	111	151	1	178 ^{1,2}	290	371	1	425 ^{1,2}	
162S-30	33	148	233	1	290	1	269	373	1	442	137	185	1	217	356	452	1	516
162S-33	33	180	282	1	350	1	336	462	1	545	170	229	1	267	441	557	1	634
162S-43	33	298	459	1	566	1	589	793	1	929	297	390	1	452	764	946	1	1067
162S-54	33	447	678	1	832	1	904	1196	1	1390	471	609	1	700	1203	1466	1	1642
162S-54	50	677	1027	1	1260	1	1370	1812	1	2105	714	922	1	1061	1823	2222	1	2487
162S-68	33	672	1004	1	1225	1	1386	1801	1	2077	750	952	1	1087	1901	2282	1	2536
162S-68	50	1019	1522	1	1856	1	2100	2729	1	3147	1136	1443	1	1646	2880	3458	1	3842
250S-18	33	52	84	1	106 ^{1,2}	85	122	1	147 ^{1,2}	37	51	1	61 ^{1,2}	109	145	1	168 ^{1,2}	
250S-27	33	117	186	1	231 ^{1,2}	213	298	1	354 ^{1,2}	96	130	1	153 ^{1,2}	268	343	1	393 ^{1,2}	
250S-30	33	141	223	1	277	1	264	365	1	433	119	161	1	189	330	420	1	479
250S-33	33	173	271	1	336	1	330	453	1	535	150	201	1	235	411	519	1	591
250S-43	33	287	443	1	547	1	580	780	1	913	267	351	1	407	720	892	1	1006
250S-54	33	433	657	1	806	1	891	1178	1	1369	430	556	1	639	1142	1392	1	1558
250S-54	50	656	996	1	1222	1	1350	1785	1	2075	652	842	1	968	1730	2109	1	2361
250S-68	33	654	977	1	1191	1	1368	1778	1	2050	693	880	1	1004	1815	2179	1	2421
250S-68	50	990	1480	1	1805	1	2073	2693	1	3106	1049	1333	1	1521	2750	3302	1	3669
350S-18	33	49	80	1	100 ²	83	119	1	143 ²	28	40	1	48 ²	98	130	1	150 ²	
350S-27	33	112	177	1	221 ²	209	292	1	347 ²	81	111	1	130 ²	247	316	1	362 ²	
350S-30	33	135	214	1	266	259	359	1	425	103	139	1	163	306	389	1	445	
350S-33	33	166	260	1	323	324	445	1	526	131	175	1	205	384	484	1	551	
350S-43	33	278	428	1	528	571	768	1	900	240	315	1	365	680	842	1	949	
350S-54	33	420	638	1	783	879	1162	1	1351	392	507	1	583	1086	1324	1	1482	
350S-54	50	637	967	1	1186	1331	1761	1	2046	594	768	1	883	1645	2005	1	2245	
350S-68	33	637	951	1	1160	1351	1756	1	2025	640	813	1	928	1736	2085	1	2317	
350S-68	50	965	1441	1	1758	2047	2660	1	3068	970	1232	1	1406	2631	3159	1	3510	
362S-18	33	49	79	1	99 ²	82	119	1	143 ²	27	39	1	46 ²	97	128	1	149 ²	
362S-27	33	111	177	1	220 ²	209	291	1	346 ²	80	108	1	127 ²	245	313	1	359 ²	
362S-30	33	135	213	1	265	258	358	1	424	101	136	1	160	304	386	1	441	
362S-33	33	165	259	1	322	323	444	1	525	129	173	1	202	381	480	1	547	
362S-43	33	277	427	1	526	570	767	1	989	236	311	1	360	675	836	1	943	
362S-54	33	419	636	1	780	877	1160	1	1348	388	501	1	577	1079	1316	1	1473	
362S-54	50	634	963	1	1182	1329	1758	1	2043	588	760	1	874	1635	1994	1	2232	
362S-68	33	635	948	1	1157	1349	1753	1	2022	635	806	1	920	1728	2074	1	2305	
362S-68	50	962	1437	1	1752	2044	2657	1	3064	961	1221	1	1393	2618	3143	1	3492	
400S-27	33	109	174	1	217 ²	207	289	1	344 ²	75	102	1	120 ²	238	305	1	349 ²	
400S-30	33	133	210	1	261	257	356	1	421	95	129	1	151	296	376	1	429	
400S-33	33	163	256	1	317	322	442	1	522	122	164	1	192	372	469	1	534	
400S-43	33	274	422	1	520	567	763	1	893	227	299	1	346	662	819	1	924	
400S-54	33	415	629	1	772	873	1155	1	1342	376	485	1	558	1061	1293	1	1448	
400S-54	50	628	954	1	1170	1323	1750	1	2034	569	735	1	846	1607	1960	1	2194	
400S-68	33	629	940	1	1147	1344	1746	1	2014	617	784	1	895	1702	2044	1	2271	
400S-68	50	953	1424	1	1737	2036	2646	1	3051	936	1188	1	1356	2579	3096	1	3440	
550S-27	33	103	164	1	205 ²	202	282	1	336 ²	58	79	1	93 ²	214	274	1	314 ²	
550S-30	33	126	199	1	248	251	348	1	412	76	103	1	120	268	341	1	389	
550S-33	33	155	243	1	302	315	432	1	511	100	134	1	157	339	428	1	487	
550S-43	33	262	405	1	499	556	749	1	877	195	256	1	297	614	760	1	858	
550S-54	33	400	607	1	745	859	1136	1	1320	331	428	1	493	995	1213	1	1358	
550S-54	50	606	920	1	1128	1302	1722	1	2001	502	649	1	746	1508	1838	1	2058	
550S-68	33	609	910	1	1111	1324	1721	1	1985	557	707	1	807	1611	1934	1	2149	
550S-68	50	923	1380	1	1683	2007	2608	1	3007	844	1071	1	1223	2441	2931	1	3256	
600S-30	33	124	196	1	243	249	345	1	409	70	95	1	111	260	330	1	377	
600S-33	33	153	240	1	297	313	430	1	507	93	125	1	146	329	416	1	473	
600S-43	33	259	400	1	493	553	745	1	872	185	243	1	328	600	743	1	838	
600S-54	33	395	600	1	736	855	1131	1	1314	318	411	1	473	975	1189	1	1331	
600S-54	50	599	909	1	1116	1295	1713	1	1991	482	623	1	716	1478	1802	1	2017	
600S-68	33	604	902	1	1100	1318	1713	1	1976	539	684	1	781	1583	1901	1	2113	
600S-68	50	914	1366	1	1666	1998	2596	1	2994	816	1036	1	1183	2399	2881	1	3201	
600S-97	50	1752	2551	1	3081	3902	4939	1	5628	1781	2205	1	2487	5010	5885	1	6466	
600S-118	50	2528	3625	1	4354	5698	7108	1	8046	2734	3339	1	3741	7555	8772	1	9581	
800S-43	33	247	381	1	470	542	730	1	854	150	197	1	228	548	678	1	765	
800S-54	33	379	576	1	706	839	1110	1	1290	270	349	1	402	904	1102	1	1234	
800S-54	50	575	872	1	1070	1272	1682	1	1955	409	529	1	608	1370	1670	1	1869	
800S-68	33	582	870	1	1061	1297	1686	1	1944	473	600	1	685	1485	1783	1	1981	
800S-68	50	882	1318	1	1607	1966	2555	1	2946	716	910	1	1038	2250	2701	1	3001	
800S-97	50	1702	2477	1	2992	3850	4873	1	5553	1618	2003	1	2259	4761	5593	1	6145	
800S-118	50	2462	3531	1	4241	5629	7023	1	949	2518	3075	1	3445	7223	8387	1	9160	
1000S-54	33	365	554	1	680	826	1092	1	1269	228	295	1	339	841	1026	1	1148	
1000S-54	50</td																	

Web Crippling Load Tables

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

Designator Depth-Thickness	Yield Stress (ksi)	Condition 1			Condition 2			Condition 3			Condition 4					
		Bearing Length (in.)	1	3.5	6	Bearing Length (in.)	1	3.5	6	Bearing Length (in.)	1	3.5	6	Bearing Length (in.)	1	3.5
162S—18	33	247	392 ¹	488 ^{1,2}	256	316 ¹	356 ^{1,2}	151	200 ¹	232 ^{1,2}	305	403 ¹	468 ^{1,2}			
162S—27	33	535	826 ¹	1020 ^{1,2}	609	730 ¹	811 ^{1,2}	368	472 ¹	540 ^{1,2}	771	987 ¹	1131 ^{1,2}			
162S—30	33	642	985 ¹	1213 ¹	747	890 ¹	985 ¹	454	577 ¹	659 ¹	957	1216 ¹	1389 ¹			
162S—33	33	779	1186 ¹	1457 ¹	926	1097 ¹	1211 ¹	565	713 ¹	812 ¹	1200	1515 ¹	1724 ¹			
162S—43	33	1275	1907 ¹	2327 ¹	1604	1870 ¹	2047 ¹	988	1223 ¹	1380 ¹	2132	2640 ¹	2978 ¹			
162S—54	33	1898	2791 ¹	3384 ¹	2495	2872 ¹	3123 ¹	1569	1913 ¹	2141 ¹	3393	4136 ¹	4630 ¹			
162S—54	50	2875	4229 ¹	5128 ¹	3780	4352 ¹	4731 ¹	2377	2898 ¹	3244 ¹	5141	6267 ¹	7016 ¹			
162S—68	33	2835	4099 ¹	4939 ¹	3892	4426 ¹	4781 ¹	2500	3001 ¹	3335 ¹	5406	6491 ¹	7212 ¹			
162S—68	50	4296	6211 ¹	7484 ¹	5896	6706 ¹	7244 ¹	3787	4548 ¹	5053 ¹	8191	9835 ¹	10928 ¹			
250S—18	33	247	391 ¹	487 ^{1,2}	255	314 ¹	353 ^{1,2}	129	171 ¹	198 ^{1,2}	261	345 ¹	400 ^{1,2}			
250S—27	33	534	825 ¹	1018 ^{1,2}	605	726 ¹	806 ^{1,2}	329	421 ¹	482 ^{1,2}	688	881 ¹	1010 ^{1,2}			
250S—30	33	641	983 ¹	1211 ¹	742	885 ¹	980 ¹	408	519 ¹	593 ¹	861	1094 ¹	1249 ¹			
250S—33	33	777	1184 ¹	1454 ¹	921	1091 ¹	1204 ¹	512	647 ¹	736 ¹	1088	1373 ¹	1562 ¹			
250S—43	33	1273	1904 ¹	2323 ¹	1597	1862 ¹	2038 ¹	910	1127 ¹	1271 ¹	1964	2432 ¹	2743 ¹			
250S—54	33	1895	2787 ¹	3380 ¹	2484	2860 ¹	3109 ¹	1461	1781 ¹	1993 ¹	3159	3851 ¹	4311 ¹			
250S—54	50	2871	4223 ¹	5121 ¹	3764	4333 ¹	4711 ¹	2213	2698 ¹	3020 ¹	4786	5835 ¹	6532 ¹			
250S—68	33	2832	4094 ¹	4933 ¹	3877	4409 ¹	4763 ¹	2347	2819 ¹	3132 ¹	5077	6096 ¹	6773 ¹			
250S—68	50	4291	6203 ¹	7474 ¹	5874	6680 ¹	7216 ¹	3557	4271 ¹	4745 ¹	7692	9236 ¹	10263 ¹			
350S—18	33	246	390 ¹	486 ^{1,2}	253	312 ¹	351 ^{1,2}	109	144 ¹	167 ^{1,2}	220	291 ¹	338 ^{1,2}			
350S—27	33	533	823 ¹	1016 ^{1,2}	602	722 ¹	802 ^{1,2}	292	374 ¹	429 ^{1,2}	611	783 ¹	897 ^{1,2}			
350S—30	33	640	981 ¹	1208 ¹	739	880 ¹	975 ¹	366	465 ¹	531 ¹	771	981 ¹	1120 ¹			
350S—33	33	776	1182 ¹	1452 ¹	917	1086 ¹	1198 ¹	463	585 ¹	665 ¹	984	1241 ¹	1412 ¹			
350S—43	33	1272	1901 ¹	2320 ¹	1590	1854 ¹	2029 ¹	838	1037 ¹	1170 ¹	1808	2239 ¹	2525 ¹			
350S—54	33	1892	2783 ¹	3375 ¹	2474	2849 ¹	3097 ¹	1361	1659 ¹	1857 ¹	2943	3588 ¹	4016 ¹			
350S—54	50	2867	4217 ¹	5114 ¹	3749	4316 ¹	4693 ¹	2062	2514 ¹	2814 ¹	4459	5436 ¹	6085 ¹			
350S—68	33	2829	4089 ¹	4927 ¹	3863	4393 ¹	4746 ¹	2208	2652 ¹	2946 ¹	4776	5735 ¹	6372 ¹			
350S—68	50	4286	6196 ¹	7466 ¹	5853	6657 ¹	7191 ¹	3346	4018 ¹	4464 ¹	7236	8689 ¹	9654 ¹			
362S—18	33	246	390 ¹	486 ^{1,2}	253	311 ¹	350 ^{1,2}	107	141 ¹	164 ^{1,2}	215	285 ¹	330 ^{1,2}			
362S—27	33	533	823 ¹	1015 ^{1,2}	602	722 ¹	801 ^{1,2}	288	369 ¹	422 ^{1,2}	603	772 ¹	884 ^{1,2}			
362S—30	33	640	981 ¹	1208 ¹	738	880 ¹	974 ¹	361	459 ¹	524 ¹	761	968 ¹	1105 ¹			
362S—33	33	776	1182 ¹	1452 ¹	916	1085 ¹	1197 ¹	458	578 ¹	657 ¹	972	1226 ¹	1395 ¹			
362S—43	33	1271	1901 ¹	2319 ¹	1589	1853 ¹	2028 ¹	830	1027 ¹	1159 ¹	1790	2217 ¹	2501 ¹			
362S—54	33	1892	2783 ¹	3375 ¹	2473	2847 ¹	3096 ¹	1349	1645 ¹	1842 ¹	2918	3558 ¹	3983 ¹			
362S—54	50	2867	4217 ¹	5113 ¹	3747	4314 ¹	4691 ¹	2045	2493 ¹	2790 ¹	4422	5391 ¹	6035 ¹			
362S—68	33	2828	4089 ¹	4927 ¹	3861	4392 ¹	4744 ¹	2193	2633 ¹	2925 ¹	4742	5694 ¹	6326 ¹			
362S—68	50	4285	6195 ¹	7465 ¹	5851	6654 ¹	7188 ¹	3322	3989 ¹	4432 ¹	7185	8627 ¹	9585 ¹			
400S—27	33	533	822	1015 ^{1,2}	600	720	800 ^{1,2}	276	353	405 ^{1,2}	577	739	847 ^{1,2}			
400S—30	33	639	981	1208 ¹	737	878	972 ¹	347	441	504 ¹	732	931	1063 ¹			
400S—33	33	776	1182 ¹	1452 ¹	916	1085 ¹	1197 ¹	442	557	634 ¹	937	1183	1346 ¹			
400S—43	33	1271	1900 ¹	2318 ¹	1587	1850 ¹	2025 ¹	806	998	1126 ¹	1739	2154	2429 ¹			
400S—54	33	1891	2782	3373 ¹	2470	2844	3092 ¹	1317	1605	1797 ¹	2848	3472	3886 ¹			
400S—54	50	2866	4215 ¹	5111 ¹	3743	4309	4685 ¹	1995	2432	2723 ¹	4315	5260	5889 ¹			
400S—68	33	2827	4087 ¹	4925 ¹	3857	4387	4739 ¹	2147	2578	2865 ¹	4644	5576	6195 ¹			
400S—68	50	4284	6193 ¹	7462 ¹	5844	6646	7180 ¹	3253	3906	4340 ¹	7036	8448	9387 ¹			
550S—27	33	531	821	1013 ^{1,2}	597	716	795 ^{1,2}	233	298	341 ^{1,2}	487	624	715 ^{1,2}			
550S—30	33	638	979	1205 ¹	732	873	966 ¹	298	378	432 ¹	627	798	911 ¹			
550S—33	33	774	1179	1448 ¹	909	1077	1188 ¹	384	484	551 ¹	815	1028	1170 ¹			
550S—43	33	1269	1897	2314 ¹	1579	1841	2015 ¹	721	893	1007 ¹	1556	1927	2174 ¹			
550S—54	33	1888	2778	3368 ¹	2459	2831	3078 ¹	1200	1463	1638 ¹	2595	3164	3542 ¹			
550S—54	50	2861	4208 ¹	5104 ¹	3725	4289	4663 ¹	1818	2217	2482 ¹	3933	4794	5367 ¹			
550S—68	33	2823	4082 ¹	4918 ¹	3841	4369	4719 ¹	1985	2384	2649 ¹	4294	5156	5728 ¹			
550S—68	50	4276	6182 ¹	7449 ¹	5812	6611	7141 ¹	2935	3524	3915 ¹	6347	7621	8467 ¹			
600S—30	33	638	978	1204 ¹	731	871	965 ¹	283	359	410 ¹	596	757	865 ¹			
600S—33	33	774	1178	1447 ¹	908	1075	1186 ¹	366	462	526 ¹	778	982	1117 ¹			
600S—43	33	1268	1896	2313 ¹	1576	1838	2011 ¹	696	862	972 ¹	1501	1859	2097 ¹			
600S—54	33	1888	2776	3367 ¹	2455	2827	3073 ¹	1165	1420	1590 ¹	2520	3072	3439 ¹			
600S—54	50	2860	4207 ¹	5101 ¹	3720	4283	4657 ¹	1765	2152	2409 ¹	3818	4654	5210 ¹			
600S—68	33	2822	4080 ¹	4916 ¹	3836	4363	4713 ¹	1937	2326	2584 ¹	4189	5030	5589 ¹			
600S—68</																

Ceiling Span Tables

Ceiling Span Table Notes

- For unbraced sections, allowable moment is based on the 2004 AISI Specification section C3.1.2 with weak axis and torsional unbraced length assumed to be the listed span (completely unbraced.) For mid-span braced sections, allowable moment based on 2004 AISI Specification section C3.1.2 with weak axis and torsional unbraced length assumed to be one-half of the listed span (bracing at midspan.)
- Web crippling calculation based on bearing length = 1 inch.
- Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near supports members must be checked for reduced shear and web crippling in accordance with the 2004 AISI Specification.
- Values are for simple span conditions.

Allowable Ceiling Spans—Deflection Limit L/240

Section	Fy (ksi)	4 psf						6 psf						13 psf					
		Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan		
		Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12
162S125-18	33	7' 3"	6' 7"	5' 10"	8' 3"	7' 6"	6' 7"	6' 5"	5' 10"	5' 1"	7' 2"	6' 7"	5' 9"	5' 0"	4' 5"	3' 9"	5' 7"	4' 10"	3' 11"
162S125-27	33	8' 7"	7' 11"	7' 1"	9' 8"	8' 9"	7' 8"	7' 8"	7' 11"	6' 3"	8' 5"	7' 8"	6' 8"	6' 1"	5' 6"	4' 9"	6' 6"	5' 11"	5' 2"
162S125-30	33	9' 0"	8' 3"	7' 4"	9' 11"	9' 0"	7' 11"	8' 0"	7' 4"	6' 7"	8' 8"	7' 11"	6' 11"	6' 5"	5' 10"	5' 0"	6' 9"	6' 4"	5' 4"
162S125-33	33	9' 6"	8' 8"	7' 8"	10' 3"	9' 4"	8' 2"	8' 4"	7' 8"	6' 10"	9' 0"	8' 2"	7' 1"	6' 8"	6' 1"	5' 4"	6' 11"	6' 4"	5' 6"
162S137-27	33	9' 11"	9' 2"	8' 0"	10' 1"	9' 2"	8' 0"	8' 10"	8' 0"	7' 0"	8' 10"	8' 0"	7' 0"	6' 10"	6' 2"	5' 5"	6' 10"	6' 2"	5' 5"
162S137-30	33	10' 4"	9' 6"	8' 3"	10' 5"	9' 6"	8' 3"	9' 1"	8' 3"	7' 3"	9' 1"	8' 3"	7' 3"	7' 0"	6' 5"	5' 7"	7' 0"	6' 5"	5' 7"
162S137-33	33	10' 9"	9' 9"	8' 7"	10' 9"	9' 9"	8' 7"	9' 5"	8' 7"	7' 6"	9' 5"	8' 7"	7' 6"	7' 3"	6' 7"	5' 9"	7' 3"	6' 7"	5' 9"
250S125-18	33	8' 5"	7' 9"	6' 11"	11' 4"	10' 4"	9' 0"	7' 6"	6' 11"	6' 2"	9' 11"	9' 0"	7' 8"	6' 0"	5' 6"	4' 10" e	7' 5"	6' 7" e	5' 6" e
250S125-27	33	9' 8"	8' 11"	8' 0"	13' 4"	12' 1"	10' 7"	8' 8"	8' 0"	7' 2"	11' 8"	10' 7"	9' 3"	7' 0"	6' 6"	5' 9"	9' 0"	8' 2"	6' 10"
250S125-30	33	10' 1"	9' 3"	8' 3"	13' 9"	12' 6"	10' 11"	9' 0"	8' 3"	7' 5"	12' 0"	10' 11"	9' 6"	7' 3"	6' 8"	6' 0"	9' 3"	8' 5"	7' 3"
250S125-33	33	10' 6"	9' 8"	8' 7"	14' 3"	12' 11"	11' 3"	9' 4"	8' 7"	7' 8"	12' 5"	11' 3"	9' 10"	7' 6"	6' 11"	6' 2"	9' 7"	8' 9"	7' 7"
250S125-43	33	11' 9"	10' 10"	9' 7"	15' 6"	14' 1"	12' 3"	10' 5"	9' 7"	8' 6"	13' 6"	12' 3"	10' 9"	8' 4"	7' 8"	6' 10"	10' 5"	9' 6"	8' 3"
250S137-27	33	11' 0"	10' 2"	9' 2"	14' 0"	12' 9"	11' 1"	9' 10"	9' 2"	8' 2"	12' 3"	11' 1"	9' 9"	8' 0"	7' 5"	6' 8"	9' 6"	8' 7"	7' 6"
250S137-30	33	11' 5"	10' 6"	9' 5"	14' 5"	13' 2"	11' 6"	10' 2"	9' 5"	8' 5"	12' 8"	11' 6"	10' 0"	8' 3"	7' 8"	6' 10"	9' 9"	8' 10"	7' 9"
250S137-33	33	11' 10"	10' 11"	9' 9"	14' 11"	13' 7"	11' 10"	10' 7"	9' 9"	8' 9"	13' 1"	11' 10"	10' 4"	8' 7"	7' 11"	7' 1"	10' 1"	9' 2"	8' 0"
250S137-43	33	13' 3"	12' 2"	10' 10"	16' 3"	14' 9"	12' 11"	11' 9"	10' 10"	9' 7"	14' 2"	12' 11"	11' 3"	9' 5"	8' 8"	7' 9"	10' 11"	9' 11"	8' 8"
250S162-33	33	13' 6"	12' 5"	11' 2"	15' 8"	14' 3"	12' 5"	12' 1"	11' 2"	10' 0"	13' 8"	12' 5"	10' 10"	9' 10"	9' 1"	8' 1"	10' 7"	9' 7"	8' 5"
250S162-43	33	15' 0"	13' 9"	12' 3"	17' 1"	15' 6"	13' 6"	13' 4"	12' 3"	10' 11"	14' 11"	13' 6"	11' 10"	10' 9"	8' 10"	11' 6"	10' 5"	9' 2"	
350S125-18	33	9' 2"	8' 6"	7' 6"	12' 6"	11' 5"	9' 11"	8' 3"	7' 6"	6' 8"	11' 0"	9' 11"	8' 5" e	6' 6"	5' 11" e	5' 3" e	8' 2" e	7' 2" e	6' 0" e
350S125-27	33	10' 7"	9' 9"	8' 9"	14' 11"	13' 9"	12' 3"	9' 5"	8' 9"	7' 9"	13' 4"	12' 3"	10' 7"	7' 7"	7' 1"	6' 4"	10' 4"	9' 3"	7' 9"
350S125-30	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 2"	12' 9"	9' 9"	9' 0"	8' 1"	13' 9"	12' 9"	11' 2"	7' 11"	7' 3"	6' 6"	10' 11"	9' 9"	8' 3"
350S125-33	33	11' 4"	10' 5"	9' 4"	16' 0"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 10"
350S125-43	33	12' 7"	11' 7"	10' 4"	17' 7"	16' 3"	14' 6"	11' 2"	10' 4"	9' 2"	15' 8"	14' 6"	12' 11"	9' 0"	8' 3"	7' 5"	12' 7"	11' 6"	10' 1"
350S137-27	33	11' 11"	11' 0"	9' 11"	17' 0"	15' 9"	14' 1"	10' 8"	9' 11"	8' 11"	15' 3"	14' 1"	12' 4"	8' 8"	8' 1"	7' 3"	11' 11"	10' 7"	8' 11" e
350S137-30	33	12' 4"	11' 5"	10' 3"	17' 7"	16' 3"	14' 7"	11' 0"	10' 3"	9' 2"	15' 9"	14' 7"	12' 10"	9' 0"	8' 4"	7' 6"	12' 6"	11' 3"	9' 6"
350S137-33	33	12' 9"	11' 10"	10' 7"	18' 2"	16' 9"	15' 1"	11' 5"	10' 7"	9' 6"	16' 3"	15' 1"	13' 4"	9' 3"	8' 7"	7' 8"	13' 0"	11' 9"	10' 0"
350S137-43	33	14' 2"	13' 0"	11' 7"	19' 10"	18' 4"	16' 5"	12' 7"	11' 7"	10' 4"	17' 9"	16' 5"	14' 7"	10' 2"	9' 4"	8' 5"	14' 2"	12' 11"	11' 3"
350S162-33	33	14' 6"	13' 5"	12' 1"	20' 3"	18' 5"	16' 1"	13' 0"	12' 1"	10' 10"	17' 9"	16' 1"	14' 4"	10' 7"	9' 10"	8' 10"	13' 8"	12' 5"	10' 10"
350S162-43	33	16' 0"	14' 9"	13' 2"	22' 1"	20' 0"	17' 6"	14' 3"	13' 2"	11' 9"	19' 3"	17' 6"	15' 3"	11' 6"	10' 8"	9' 7"	14' 11"	13' 6"	11' 10"
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 8"	11' 7"	10' 0"	8' 4"	7' 7"	6' 9"	11' 1"	10' 0"	8' 6" e	6' 7"	6' 0" e	5' 4" e	8' 3" e	7' 4" e	6' 1" e
362S125-27	33	10' 8"	9' 10"	8' 10"	15' 0"	13' 11"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 1"	6' 5"	10' 5"	9' 4"	7' 11"
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 10"	9' 10"	9' 1"	8' 2"	13' 11"	12' 10"	11' 4"	8' 0"	7' 4"	6' 7"	11' 0"	9' 11"	8' 5"
362S125-33	33	11' 5"	10' 7"	9' 5"	16' 2"	14' 10"	13' 3"	10' 3"	9' 5"	8' 5"	14' 5"	13' 3"	11' 10"	8' 3"	7' 8"	6' 10"	11' 7"	10' 6"	9' 0"
362S125-43	33	12' 8"	11' 8"	10' 5"	17' 9"	16' 5"	14' 8"	11' 3"	10' 5"	9' 3"	15' 10"	14' 8"	13' 0"	9' 1"	8' 4"	7' 6"	12' 9"	11' 8"	10' 2"
362S137-27	33	12' 0"	11' 2"	10' 0"	17' 2"	15' 11"	14' 3"	10' 10"	10' 0"	9' 0"	15' 5"	14' 3"	12' 6"	8' 9"	8' 2"	7' 4"	12' 1"	10' 9"	9' 1" e
362S137-30	33	12' 5"	11' 6"	10' 4"	17' 8"	16' 5"	14' 8"	11' 2"	10' 4"	9' 3"	15' 10"	14' 8"	13' 0"	9' 1"	8' 5"	7' 6"	12' 8"	11' 5"	9' 8"
362S137-33	33	12' 11"	11' 11"	10' 8"	18' 4"	16' 11"	15' 2"	11' 6"	10' 8"	9' 7"	16' 5"	15' 2"	13' 6"	9' 4"	8' 8"	7' 9"	13' 2"	11' 11"	10' 2"
362S137-43	33	14' 3"	13' 2"	11' 8"	20' 0"	18' 6"	16' 7"	13' 0"	12' 0"	10' 9"	17' 11"	16' 7"	14' 9"	10' 3"	9' 5"	8' 6"	14' 5"	13' 2"	11' 5"
362S162-33	33	15' 0"	13' 11"	12' 6"	21' 5"	19' 10"	17' 9"	13' 6"	12' 6"	11' 2"	19' 3"	17' 9"	15' 7"	10' 11"	10' 2"	9' 1"	15' 2"	13' 9"	11' 9"
362S162-43	33	16' 7"	15' 3"	13' 8"	23' 4"	21' 7"	19' 4"	14' 9"	13' 8"	12' 2"	20' 11"	19' 4"	16' 11"	11' 11"	11' 0"	9' 11"	16' 6"	15' 0"	13' 1"
600S125-27	33	12' 5"	e 11' 6" e	10' 4" e	17' 11" e	16' 6" e	14' 9" e	11' 2" e	10' 4" e	9' 4" e	16' 0" e	14' 9" e	13' 2" e	9' 2" e	8' 6" e	7' 7" e	12' 11" e	11' 10" e	10' 4" e
600S125-30	33	12' 9"	11' 10"	10' 8"	18' 5"	17' 1"	15' 3"	11' 6"	10' 8"	9' 7"	16' 7"	15' 3"	13' 8"	9' 5"	8' 9"	7' 10"	13' 4"	12' 4"	10' 11" e
600S125-33	33	13' 2"	12' 3"	11' 0"	18' 11"	17' 7"	15' 10"	11' 10"	11' 0"	9' 10"	17' 0"	15' 10"	14' 2"	9' 8"	8' 11"	8' 1"	13' 10"	12' 9"	11' 5"
600S125-43	33	14' 6"	13' 4"	11' 11"	20' 6"	19' 0"	17' 0"	12' 11"	11' 11"	10' 8"	18' 4"	17' 0"	15' 3"	10' 5"	9' 8"	8' 8"	15' 0"	13' 11"	12' 6"
600S137-27	33	14' 0" e	13' 0" e	11' 9" e	20' 2" e	18' 8" e	16' 9" e	12' 7" e	11' 9" e	10' 6" e	18' 1" e	16' 9" e	15' 0" e	10' 4" e	9' 7" e	8' 7" e	14' 8" e	13' 7" e	11' 10" e
600S137-30	33	14' 5"	13' 4"	12' 0"	20' 10"	19' 3"	17' 3"	13' 0"	12' 0"	10' 10"	18' 8"	17' 3"	15' 6"	10' 7"	9' 10"	8' 10"	15' 2"	14' 0"	12' 5" e
600S137-33	33	14' 11"	13' 9"	12' 5"	21' 5"	19' 10"	17' 10"	13' 4"	12' 5"	11' 2"	19' 3"	17' 10"	16' 0"	10' 11"	10' 2"	9' 2"	15' 8"	14' 6"	12' 11" e
600S137-43	33	16' 3"	15' 0"	13' 5"	23' 1"	21' 5"	19' 3"	14' 6"	13' 5"	12' 0"	20' 9"	19' 3"	17' 4"	11' 9"	10' 11"	9' 10"	16' 11"	15' 9"	14' 2"
600S162-33	33	16'																	

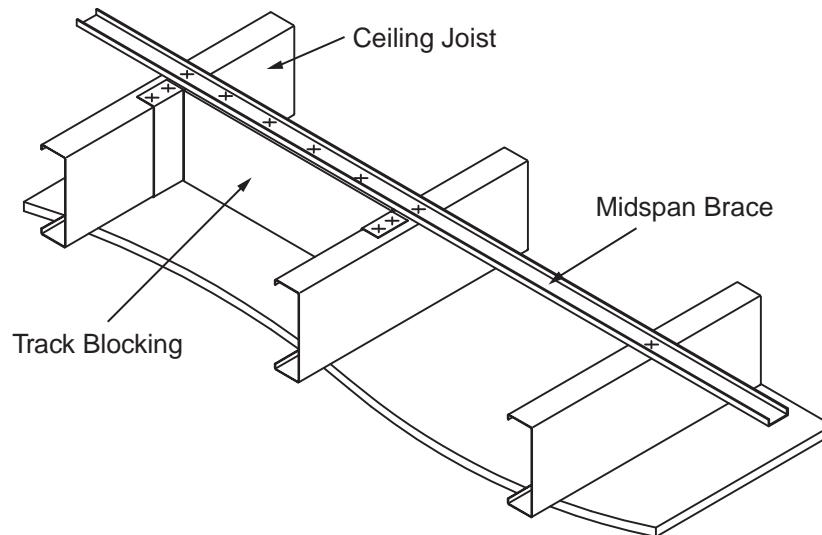
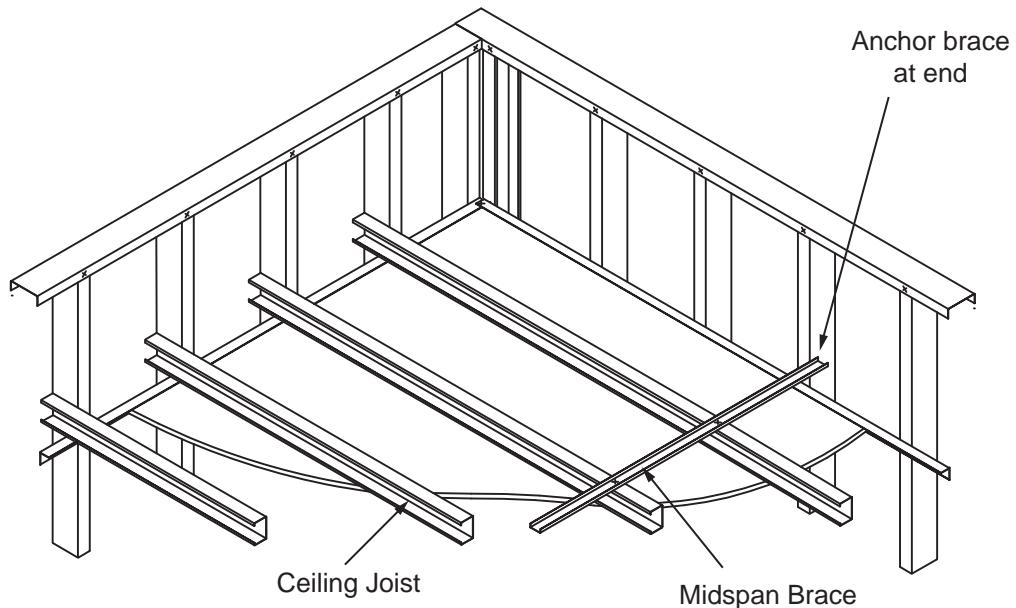
Ceiling Span Tables

Allowable Ceiling Spans—Deflection Limit L/360

Section	Fy (ksi)	4 psf						6 psf						13 psf					
		Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan			Lateral Support of Compression Flange Unsupported			Midspan		
		Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12
162S125-18	33	7' 2"	6' 7"	5' 9"	7' 2"	6' 7"	5' 9"	6' 4"	5' 9"	5' 0"	6' 4"	5' 9"	5' 0"	4' 10"	4' 5"	3' 9"	4' 10"	4' 5"	3' 10"
162S125-27	33	8' 5"	7' 8"	6' 8"	8' 5"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	7' 4"	6' 8"	5' 10"	5' 8"	5' 2"	4' 6"	5' 8"	5' 2"	4' 6"
162S125-30	33	8' 8"	7' 11"	6' 11"	8' 8"	7' 11"	6' 11"	7' 7"	6' 11"	6' 0"	7' 7"	6' 11"	6' 0"	5' 10"	5' 4"	4' 8"	5' 10"	5' 4"	4' 8"
162S125-33	33	9' 0"	8' 2"	7' 1"	9' 0"	8' 2"	7' 1"	7' 10"	7' 1"	6' 3"	7' 10"	7' 1"	6' 3"	6' 1"	5' 6"	4' 10"	6' 1"	5' 6"	4' 10"
162S137-27	33	8' 10"	8' 0"	7' 0"	8' 10"	8' 0"	7' 0"	7' 9"	7' 0"	6' 2"	7' 9"	7' 0"	6' 2"	6' 0"	5' 5"	4' 9"	6' 0"	5' 5"	4' 9"
162S137-30	33	9' 1"	8' 3"	7' 3"	9' 1"	8' 3"	7' 3"	8' 0"	7' 3"	6' 4"	8' 0"	7' 3"	6' 4"	6' 2"	5' 7"	4' 11"	6' 2"	5' 7"	4' 11"
162S137-33	33	9' 5"	8' 7"	7' 6"	9' 5"	8' 7"	7' 6"	8' 3"	7' 6"	6' 6"	8' 3"	7' 6"	6' 6"	6' 4"	5' 9"	5' 1"	6' 4"	5' 9"	5' 1"
250S125-18	33	8' 5"	7' 9"	6' 11"	9' 11"	9' 0"	7' 10"	7' 6"	6' 11"	6' 2"	8' 8"	7' 10"	6' 11"	6' 0"	5' 6"	4' 10" e	6' 8"	6' 1" e	5' 4" e
250S125-27	33	9' 8"	8' 11"	8' 0"	11' 8"	10' 7"	9' 3"	8' 8"	8' 0"	7' 2"	10' 2"	9' 3"	8' 1"	7' 0"	6' 6"	5' 9"	7' 10"	7' 2"	6' 3"
250S125-30	33	10' 1"	9' 3"	8' 3"	12' 0"	10' 11"	9' 6"	9' 0"	8' 3"	7' 5"	10' 6"	9' 6"	8' 4"	7' 3"	6' 8"	6' 0"	8' 1"	7' 4"	6' 5"
250S125-33	33	10' 6"	9' 8"	8' 7"	12' 5"	11' 3"	9' 10"	9' 4"	8' 7"	7' 8"	10' 10"	9' 10"	8' 7"	7' 6"	6' 11"	6' 2"	8' 5"	7' 7"	6' 8"
250S125-43	33	11' 9"	10' 10"	9' 7"	13' 6"	12' 3"	10' 9"	10' 5"	9' 7"	8' 6"	11' 10"	10' 9"	9' 4"	8' 4"	7' 8"	6' 10"	9' 1"	8' 3"	7' 3"
250S137-27	33	11' 0"	10' 2"	9' 2"	12' 3"	11' 1"	9' 9"	9' 10"	9' 2"	8' 2"	10' 8"	9' 9"	8' 6"	8' 0"	7' 5"	6' 7"	8' 3"	7' 6"	6' 7"
250S137-30	33	11' 5"	10' 6"	9' 5"	12' 8"	11' 6"	10' 0"	10' 2"	9' 5"	8' 5"	11' 0"	10' 0"	8' 9"	8' 3"	7' 8"	6' 9"	8' 6"	7' 9"	6' 9"
250S137-33	33	11' 10"	10' 11"	9' 9"	13' 1"	11' 10"	10' 4"	10' 7"	9' 9"	8' 9"	11' 5"	10' 4"	9' 1"	8' 7"	7' 11"	7' 0"	8' 10"	8' 0"	7' 0"
250S137-43	33	13' 3"	12' 2"	10' 10"	14' 2"	12' 11"	11' 3"	11' 9"	10' 10"	9' 7"	12' 5"	11' 3"	9' 10"	9' 5"	8' 8"	7' 7"	9' 7"	8' 8"	7' 7"
250S162-33	33	13' 6"	12' 5"	10' 10"	13' 8"	12' 5"	10' 10"	12' 0"	10' 10"	9' 6"	12' 0"	10' 10"	9' 6"	9' 3"	8' 5"	7' 4"	9' 3"	8' 5"	7' 4"
250S162-43	33	14' 11"	13' 6"	11' 10"	14' 11"	13' 6"	11' 10"	13' 0"	11' 10"	10' 4"	13' 0"	11' 10"	10' 4"	10' 1"	9' 2"	8' 0"	10' 1"	9' 2"	8' 0"
350S125-18	33	9' 2"	8' 6"	7' 6"	12' 6"	11' 5"	9' 11"	8' 3"	7' 6"	6' 8"	11' 0"	9' 11"	8' 5" e	6' 6"	5' 11" e	5' 3" e	8' 2" e	7' 2" e	6' 0" e
350S125-27	33	10' 7"	9' 9"	8' 9"	14' 11"	13' 9"	12' 0"	9' 5"	8' 9"	7' 9"	13' 2"	12' 0"	10' 6"	7' 7"	7' 1"	6' 4"	10' 2"	9' 3"	7' 9"
350S125-30	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 2"	12' 4"	9' 9"	9' 0"	8' 1"	13' 7"	12' 4"	10' 10"	7' 11"	7' 3"	6' 6"	10' 6"	9' 7"	8' 3"
350S125-33	33	11' 4"	10' 5"	9' 4"	16' 0"	14' 8"	12' 9"	10' 1"	9' 4"	8' 4"	14' 1"	12' 9"	11' 2"	8' 2"	7' 7"	6' 9"	10' 10"	9' 11"	8' 8"
350S125-43	33	12' 7"	11' 7"	10' 4"	17' 7"	15' 11"	13' 11"	11' 2"	10' 4"	9' 2"	15' 4"	13' 11"	12' 2"	9' 0"	8' 3"	7' 5"	11' 10"	10' 9"	9' 5"
350S137-27	33	11' 11"	11' 0"	9' 11"	15' 10"	14' 5"	12' 7"	10' 8"	9' 11"	8' 11"	13' 10"	12' 7"	11' 0"	8' 8"	8' 4"	7' 3"	10' 8"	9' 9"	8' 6"
350S137-30	33	12' 4"	11' 5"	10' 3"	16' 4"	14' 10"	13' 0"	11' 0"	10' 3"	9' 2"	14' 3"	13' 0"	11' 4"	9' 0"	8' 4"	7' 6"	11' 0"	10' 0"	8' 9"
350S137-33	33	12' 9"	11' 10"	10' 7"	16' 11"	15' 4"	13' 5"	11' 5"	10' 7"	9' 6"	14' 9"	13' 5"	11' 9"	9' 3"	8' 7"	7' 8"	11' 5"	10' 4"	9' 1"
350S137-43	33	14' 2"	13' 0"	11' 7"	18' 4"	16' 8"	14' 7"	12' 7"	11' 7"	10' 4"	16' 1"	14' 7"	12' 9"	10' 2"	9' 4"	8' 5"	12' 5"	11' 3"	9' 10"
350S162-33	33	14' 6"	13' 5"	12' 1"	17' 9"	16' 4"	14' 1"	13' 0"	12' 1"	10' 10"	15' 6"	14' 1"	12' 3"	10' 7"	9' 10"	8' 10"	11' 11"	10' 10"	9' 6"
350S162-43	33	16' 0"	14' 9"	13' 2"	19' 3"	17' 6"	15' 3"	14' 3"	13' 2"	11' 9"	16' 10"	15' 3"	13' 4"	11' 6"	10' 8"	9' 7"	13' 0"	11' 10"	10' 4"
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 8"	11' 7"	10' 0"	8' 4"	7' 7"	6' 9"	11' 1"	10' 0"	8' 6" e	6' 7"	6' 0" e	5' 4" e	8' 3" e	7' 2" e	6' 1" e
362S125-27	33	10' 8"	9' 10"	8' 10"	15' 0"	13' 11"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 4"	6' 5"	10' 5"	9' 4"	7' 11"
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 9"	9' 10"	9' 1"	8' 2"	13' 11"	12' 9"	11' 1"	8' 0"	7' 4"	6' 7"	10' 10"	9' 10"	8' 5"
362S125-33	33	11' 5"	10' 7"	9' 5"	16' 2"	14' 10"	13' 2"	10' 3"	9' 5"	8' 5"	14' 5"	13' 2"	11' 6"	8' 3"	7' 8"	6' 10"	11' 2"	10' 2"	8' 10"
362S125-43	33	12' 8"	11' 8"	10' 5"	17' 9"	16' 5"	14' 4"	11' 3"	10' 5"	9' 3"	15' 9"	14' 4"	12' 6"	9' 1"	8' 4"	7' 6"	12' 2"	11' 1"	9' 8"
362S137-27	33	12' 0"	11' 2"	10' 0"	16' 3"	14' 9"	12' 11"	10' 10"	10' 0"	9' 0"	14' 3"	12' 11"	11' 3"	8' 9"	8' 2"	7' 4"	11' 0"	10' 0"	8' 9" e
362S137-30	33	12' 5"	11' 6"	10' 4"	16' 10"	15' 3"	13' 4"	11' 2"	10' 4"	9' 3"	14' 8"	13' 4"	11' 8"	9' 1"	8' 5"	7' 6"	11' 4"	10' 4"	9' 0"
362S137-33	33	12' 11"	11' 11"	10' 8"	17' 4"	15' 9"	13' 9"	11' 6"	10' 8"	9' 7"	15' 2"	13' 9"	12' 0"	9' 4"	8' 8"	7' 9"	11' 9"	10' 8"	9' 4"
362S137-43	33	14' 3"	13' 2"	11' 8"	18' 11"	17' 2"	15' 0"	12' 8"	11' 8"	10' 5"	16' 6"	15' 0"	13' 1"	10' 3"	9' 5"	8' 6"	12' 9"	11' 7"	10' 1"
362S162-33	33	14' 8"	13' 7"	12' 2"	18' 2"	16' 6"	14' 5"	13' 2"	12' 2"	10' 11"	15' 11"	14' 5"	12' 7"	10' 8"	9' 11"	8' 11"	12' 3"	11' 2"	9' 9"
362S162-43	33	16' 2"	14' 11"	13' 4"	19' 10"	18' 0"	15' 7"	13' 6"	12' 6"	11' 2"	17' 2"	15' 7"	13' 7"	10' 11"	10' 2"	9' 11"	13' 3"	12' 0"	10' 6"
600S125-27	33	12' 5"	11' 6" e	10' 4" e	17' 11"	16' 6" e	14' 9" e	11' 2" e	10' 4" e	9' 4" e	16' 0" e	14' 9" e	13' 2" e	9' 2" e	8' 6" e	7' 7" e	12' 11" e	11' 10" e	10' 4" e
600S125-30	33	12' 9"	11' 10"	10' 8"	18' 5"	17' 1"	15' 3"	11' 6"	10' 8"	9' 7"	16' 7"	15' 3"	13' 8"	9' 5" e	8' 9" e	7' 10"	13' 4"	12' 4"	10' 11" e
600S125-33	33	13' 2"	12' 3"	11' 0"	18' 11"	17' 7"	15' 10"	11' 10"	11' 0"	9' 10"	17' 0"	15' 10"	14' 2"	9' 8" e	8' 11" e	8' 1"	13' 10"	12' 9"	11' 5"
600S125-43	33	14' 6"	13' 4"	11' 11"	20' 6"	19' 0"	17' 0"	12' 11"	11' 11"	10' 8"	18' 4"	17' 0"	15' 3"	9' 4" e	8' 8" e	8' 8" e	15' 0"	13' 11"	12' 6"
600S137-27	33	14' 0"	13' 0"	11' 9"	20' 2" e	18' 8" e	16' 9" e	12' 7" e	11' 9" e	10' 6" e	18' 1" e	16' 9" e	15' 0" e	10' 4" e	9' 7" e	8' 7" e	14' 8" e	13' 7" e	11' 10" e
600S137-30	33	14' 5"	13' 4"	12' 0"	20' 10"	19' 3"	17' 3"	13' 0"	12' 0"	10' 10"	18' 8"	17' 3"	15' 6" e	10' 7"	9' 10"	8' 10"	15' 2"	14' 0"	12' 5" e
600S137-33	33	14' 11"	13' 9"	12' 5"	21' 5"	19' 10"	17' 10"	13' 4"	12' 5"	11' 2"	19' 3"	17' 10"	16' 0"	10' 11"	10' 2"	9' 2"	15' 8"	14' 6"	12' 11" e
600S137-43	33	16' 3"	15' 0"	13' 5"	23' 1"	21' 5"	19' 3"	14' 6"	13' 5"	12' 0"	20' 9"	19' 3"	17' 4"	11' 9" e	10' 11"	9' 10"	16' 11"	15' 9"	14' 2" e
600S162-33	33	16' 11"	15' 8"	14' 1"	24' 5"	22' 8"	20' 5"	15' 2"	14' 1"	12' 8"	22' 0"	20' 5"	18' 5"	12' 5"	11' 7"	10' 5"	18' 0"	16' 6"	14' 5" e
600S162-43	33	18' 5"	17' 0"	15' 3"	26' 4"	24' 4"	21' 11"	16'											

Typical Ceiling Details

Midspan Bracing Details



Note: All connections need to be designed.

Channel Properties

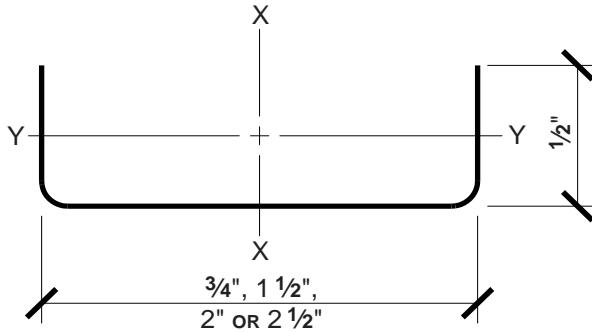
U-Channel Section Properties

Member	Design Thickness (in)	Gross Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Rx (in)	Iy (in ⁴)	Effective Properties 33 ksi				
							Ry (in)	Ix (in ⁴)	Sx (in ³)	Ma (in-k)	Va (lb)
75U050-54	0.0566	0.09	0.30	0.01	0.29	0	0.16	0.01	0.02	0.45	315
150U050-54	0.0566	0.13	0.44	0.04	0.55	0	0.14	0.04	0.05	1.22	840
200U050-54	0.0566	0.16	0.54	0.08	0.71	0	0.14	0.08	0.08	1.87	1190
250U050-54	0.0566	0.19	0.63	0.14	0.87	0	0.13	0.14	0.11	2.64	1540

¹ Minimum base metal thickness is 95% of design thickness.

² Moment of inertia given is for deflection calculations.

³ Effective properties based on Fy = 33 ksi.



U-Channel Allowable Ceiling Spans L/240

Section	Spans	4 psf					6 psf					13 psf					15 psf				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	Single	3' 11"	3' 5"	3' 1"	2' 10"	2' 8"	3' 5"	3' 0"	2' 8"	2' 6"	2' 4"	2' 7"	2' 4"	2' 1"	1' 11"	1' 9"	2' 6"	2' 2"	2' 0"	1' 10"	1' 8"
	Multiple	4' 10"	4' 2"	3' 10"	3' 7"	3' 4"	4' 2"	3' 8"	3' 4"	3' 1"	2' 10"	3' 3"	2' 9"	2' 4"	2' 1"	1' 11"	3' 1"	2' 7"	2' 2"	2' 0"	1' 9"
150U050-54	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 3"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
200U050-54	Single	5' 10"	5' 1"	4' 8"	4' 4"	4' 1"	5' 1"	4' 6"	4' 1"	3' 10"	3' 7"	4' 0"	4' 0"	3' 6"	3' 2"	3' 0"	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/360

Section	Spans	4 psf					6 psf					13 psf					15 psf				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	Single	3' 5"	3' 0"	2' 8"	2' 6"	2' 4"	3' 0"	2' 7"	2' 4"	2' 2"	2' 1"	2' 4"	2' 0"	1' 10"	1' 8"	2' 2"	1' 11"	1' 9"	1' 7"	1' 6"	
	Multiple	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	3' 8"	3' 2"	2' 11"	2' 8"	2' 7"	2' 10"	2' 6"	2' 3"	2' 1"	1' 11"	2' 8"	2' 4"	2' 2"	2' 0"	1' 9"
150U050-54	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 3"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
200U050-54	Single	5' 10"	5' 1"	4' 8"	4' 4"	4' 1"	5' 1"	4' 6"	4' 1"	3' 10"	3' 7"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"	3' 10"	3' 4"	3' 1"	2' 10"	2' 8"
	Multiple	7' 5"	6' 6"	5' 11"	5' 6"	5' 2"	6' 6"	5' 8"	5' 2"	4' 10"	4' 7"	5' 1"	4' 5"	4' 0"	3' 9"	3' 6"	4' 10"	4' 3"	3' 10"	3' 7"	3' 2"
250U050-54	Single	6' 1"	5' 4"	4' 10"	4' 6"	4' 3"	5' 4"	4' 8"	4' 3"	4' 0"	3' 9"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"
	Multiple	7' 9"	6' 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 based on effective properties.

Multiple span indicates two or more equal spans with channel continuous over center support.

Bearing length = 0.75".

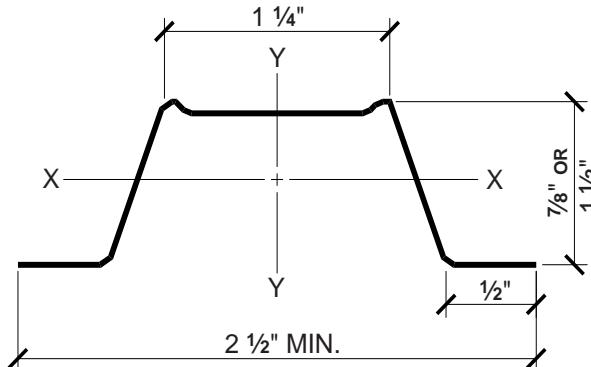
Table values based on the compression flange laterally unsupported.

Channel Properties

(Hat) Furring (F) Channel Section Properties

Section	Fy (ksi)	Design Thickness (in)	Effective Properties					Effective Properties			
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _a (Ft-lb)
087F125-18	33	0.0188	0.070	0.239	0.009	0.356	0.035	0.710	0.0086	0.0160	26.41
087F125-27	33	0.0283	0.105	0.356	0.013	0.353	0.053	0.710	0.0131	0.0272	44.78
087F125-30	33	0.0312	0.115	0.391	0.014	0.353	0.058	0.710	0.0143	0.0307	50.47
087F125-33	33	0.0346	0.127	0.432	0.016	0.351	0.064	0.710	0.0157	0.0337	55.43
087F125-43	33	0.0451	0.162	0.550	0.020	0.348	0.082	0.711	0.0196	0.0420	69.17
150F125-18	33	0.0188	0.094	0.320	0.031	0.575	0.047	0.705	0.0299	0.0344	56.59
150F125-27	33	0.0283	0.140	0.477	0.046	0.572	0.070	0.705	0.0459	0.0569	93.74
150F125-30	33	0.0312	0.154	0.525	0.050	0.571	0.077	0.705	0.0503	0.0639	105.25
150F125-33	33	0.0346	0.171	0.581	0.055	0.570	0.085	0.705	0.0554	0.0704	115.92
150F125-43	33	0.0451	0.219	0.745	0.070	0.565	0.109	0.705	0.0699	0.0888	146.25

- Properties based on the 2001 NASPEC, including the 2004 Supplement
- Design thickness used for determination of properties. Minimum delivered thickness must be no less than 95% of design thickness.
- For deflection calculations, use effective I_{xx}. Effective I_{xx} is based on Procedure 1 of the NASPEC
- Effective properties are given as the minimum value for positive or negative bending.



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

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

Allowable ceiling spans based on effective properties.

Multiple span indicates two or more equal spans with channel continuous over center support.

Bearing length = 0.75".

Channel Properties

(Hat) Furring (F) Channel Allowable Ceiling Spans L/360

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

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

Allowable ceiling spans based on effective properties.

Multiple span indicates two or more equal spans with channel continuous over center support.

Bearing length = 0.75".

Fasteners (Screws and Welds)

Screw Table Notes

- Capacities based on section E4 of the AISI 2004 Specification. See table on page 5 for design thicknesses.
- When connecting materials of different steel thicknesses or tensile strengths, use the lowest values. Tabulated values assume two sheets of equal thickness are connected.
- Capacities are based on Allowable Strength Design (ASD) and include safety factor of 3.0.
- Where multiple fasteners are used, screws are assumed to have a center-to-center spacing of at least 3 times the nominal diameter (d).
- 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.
- 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 (based on head diameter shown.) Note that for all tension values shown in this table, pullover values have been reduced by 50% assuming eccentrically loaded connections that produce a non-uniform pull-over force on the fastener.
- Governed by a conservative estimate of screw capacity, not by sheet steel failure.
- Higher values, especially for screw strength, may be obtained by specifying screws from a specific manufacturer. See manufacturer's data for specific allowable values and installation instructions.
- Shear and tension data for screws was developed with the assistance of the Wei-Wen Yu Center for Cold-Formed Steel Structures (CCFSS), using published screw manufacturer data and evaluation reports available at the time of publication.

Allowable Screw Connection Capacity (Pounds per screw)

Thickness (Mils) ¹	Fy: Yield (KSI)	Fu: Tensile (KSI)	#6 screw (0.138" dia; 5/16" head)		#8 screw (0.164" dia; 5/16" head)		#10 screw (0.190" dia; 0.340" head)		#12 screw (0.216" dia; 0.340" head)		1/4" screw (0.250" dia; 0.409" head)	
			Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension
18	33	33	44	24	48	29	52	33	55	38	60	44
27	33	33	82	37	89	43	96	50	102	57	110	66
30	33	33	95	40	103	48	111	55	118	63	127	73
33	33	45	151	61	164	72	177	84	188	95	203	110
43	33	45	214 ⁷	79	244	94	263	109	280	124	302	144
54	33	45	214 ⁷	84 ⁷	303 ⁷	118 ⁷	370	137	394	156	424	180
68	33	45	214 ⁷	84 ⁷	303 ⁷	118 ⁷	406 ⁷	159 ⁷	525 ⁷	196	600	227
97	33	45	214 ⁷	84 ⁷	303 ⁷	118 ⁷	406 ⁷	159 ⁷	525 ⁷	205 ⁷	704 ⁷	275 ⁷
118	33	45	214 ⁷	84 ⁷	303 ⁷	118 ⁷	406 ⁷	159 ⁷	525 ⁷	205 ⁷	704 ⁷	275 ⁷
54	50	65	214 ⁷	84 ⁷	303 ⁷	118 ⁷	406 ⁷	159 ⁷	525 ⁷	205 ⁷	613	261
68	50	65	214 ⁷	84 ⁷	303 ⁷	118 ⁷	406 ⁷	159 ⁷	525 ⁷	205 ⁷	704 ⁷	275 ⁷
97	50	65	214 ⁷	84 ⁷	303 ⁷	118 ⁷	406 ⁷	159 ⁷	525 ⁷	205 ⁷	704 ⁷	275 ⁷
118	50	65	214 ⁷	84 ⁷	303 ⁷	118 ⁷	406 ⁷	159 ⁷	525 ⁷	205 ⁷	704 ⁷	275 ⁷

Weld Table Notes

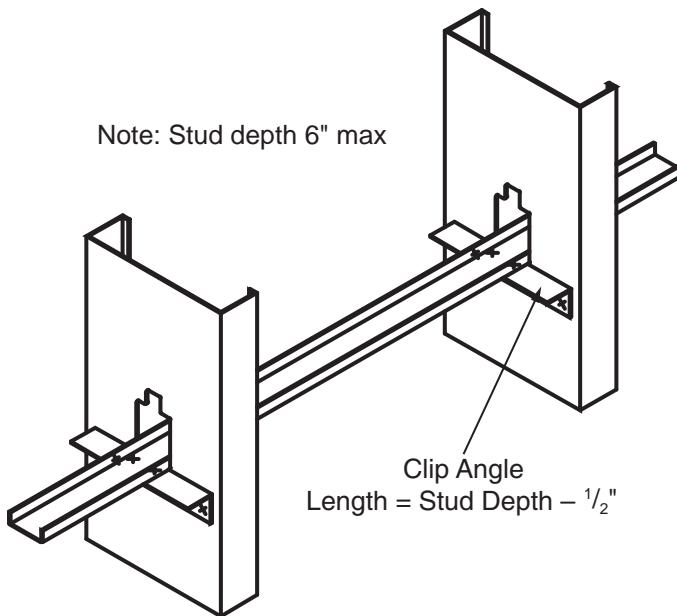
- Capacities based on section E2.4 (for fillet welds) and E2.5 (for flare groove welds) of the AISI Specification.
- When connecting materials of different steel thicknesses or tensile strengths, use the lowest values.
- Capacities are based on Allowable Strength Design (ASD) and include appropriate safety factors.
- 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.
- Parallel capacity is considered to be loading in the direction of the length of the weld.
- For flare groove welds, the effective throat of weld is conservatively assumed to be less than 2t.

Allowable Welds Capacity (pounds) for 1" Long Welds

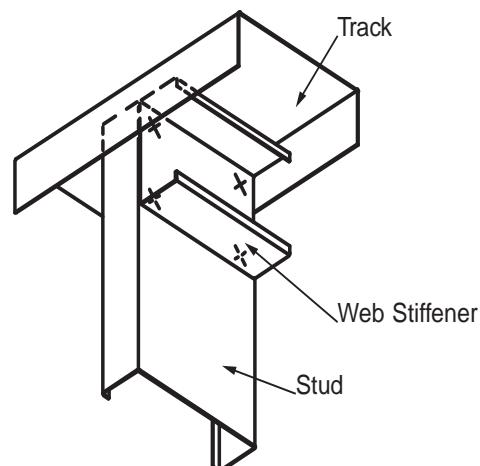
Thickness (Mils) ¹	Design Thickness	Fy: Yield (KSI)	Fu (KSI)	Fillet Welds		Flare Groove Welds	
				Parallel	Perpendicular	Parallel	Perpendicular
43	0.0451	33	45	619	864	544	663
54	0.0566	33	45	822	1,084	682	832
68	0.0713	33	45	1,082	1,365	859	1,048
97	0.1017	33	45	1,618	1,947	1,226	1,495
118	0.1242	33	45	2,015	2,378	1,497	1,826
54	0.0566	50	65	1,188	1,566	985	1,202
68	0.0713	50	65	1,563	1,972	1,241	1,514
97	0.1017	50	65	2,337	2,813	1,771	2,159
118	0.1242	50	65	2,911	3,435	2,162	2,637

Typical Details

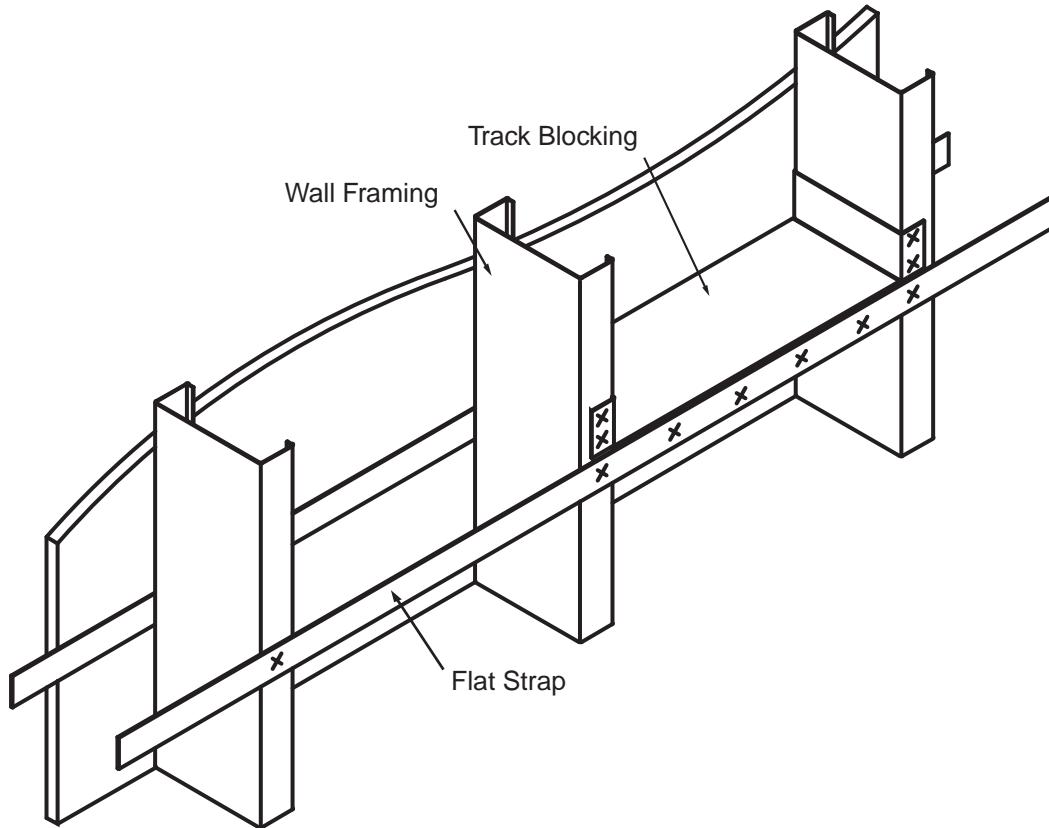
Cold Rolled Lateral Bracing



Wall Stud Web Stiffener



Flat Strap Lateral Bracing



Note: All connections to be designed.



SSMA®

Steel Stud Manufacturers Association

Code Compliance Certification Program



SSMA developed its Code Compliance Certification Program as a means for member manufacturers to certify that structural cold-formed steel framing they produce complies with IBC 2006 code requirements.

Structural cold-formed steel framing certification is independently validated by Architectural Testing. The validation process includes a minimum of two unannounced manufacturing facility audits per year, as well as on-going random selection and independent testing of certified cold-formed steel framing products.

Manufacturing facilities that satisfy the requirements for certification are authorized to label structural cold-formed steel framing members they produce as "certified code compliant". The list of manufacturing facilities with certification authorization is updated as changes occur so it is always current.

Look for the label. The SSMA Certification Label, prominently displayed on units (skids or bundles), or optionally on each framing member, certifies that the material meets or exceeds code requirements.

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