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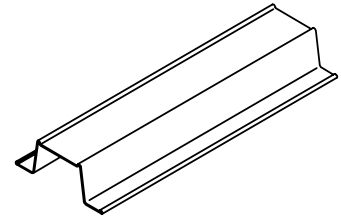
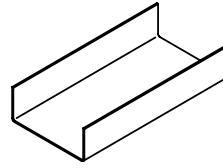
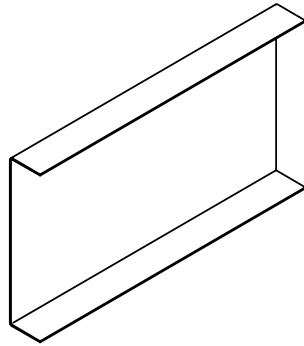
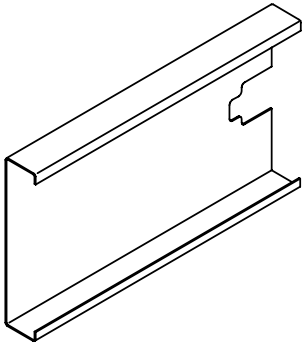
Now with SUPREME FRAMING SYSTEM!



# PRODUCT TECHNICAL GUIDE

Steel Stud Manufacturers Association





**"S" and "SFS"  
- C-STUD/JOIST  
S and SFS-SECTIONS\***

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

**"T" and "SFT" - TRACK  
T and SFT - SECTIONS**

**"U" - CHANNEL  
U-SECTIONS**

**"F" - FURRING CHANNEL  
F-SECTIONS**

## Nomenclature Example

Products have a four-part identification code that identifies the web depth, flange width, style, and mil thickness.

### Member Web Depth

All member depths are given in  $\frac{1}{100}$  inch.

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

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

### Flange Width

All flange widths are given in  $\frac{1}{100}$  inch.

(Example:  $1\frac{5}{8}$ " = 1.625" ≈ **162** ×  $\frac{1}{100}$  inch)



### Style

Nomenclature uses the following four characters to designate the profile:

**S** = Stud or Joist Sections

**T** = Track Sections

**U** = Channel Sections

**F** = Furring Channel Sections

**SFS** = Supreme Framing Stud

**SFT** = Supreme Framing Track

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

### Mil Thickness

Mil thickness is the minimum base steel thickness measured in  $\frac{1}{1000}$  inch. Minimum base steel thickness represents 95 percent of the design thickness.

(Example: 0.054" = **54** mils; 1 mil =  $\frac{1}{1000}$  inch)

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## Mission Statement

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.

## 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 benefit the environment, contractor, designer, and developer more than other material.

Steel is not only a recyclable product, but also a stronger product that allows for longer clear-spans. Cold-formed steel is lighter to provide ease of handling, and 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 jobsite. The structural shapes manufactured are easily used for nonstructural and structural wall assemblies, floor and ceiling joist assemblies, trusses, and panelized systems.

SSMA in collaboration with the American Iron and Steel Institute (AISI) has developed and adopted a standard designator system for identifying cold-formed steel framing members. Using a standard system will eliminate the confusion caused by individual manufacturers' varied designators.

## Technical Assistance

Professional technical assistance is available through SSMA or individual manufacturers' technical departments.

## Code Approval

SSMA structural and nonstructural cold-formed framing product specifications meet the stringent requirements of International Code Council Evaluation Services in conjunction with SSMA ICC-ES evaluation report (ESR-3064P). The product specification and documented quality control system & procedures are verified during regular inspections by ICC-ES, the leader in the technical evaluations for code compliance of the building products.

## Material Specifications

Structural and nonstructural members are coated to meet the minimum code requirements. Higher corrosion protection coatings such as G90 are available upon request. Products manufactured by SSMA members are cold-formed from corrosion protected steel coils or sheets and meet the following specifications requirements:

Product Type	Material Specifications	Min Yield	Min Tensile	Minimum Metallic Coating Designation
Nonstructural Products ASTM C645	ASTM A653, SS Grade 33	33 ksi	45 ksi	G40
	ASTM A1003, Grade 33 (NS33)	33 ksi	... <sup>A</sup>	G40
	ASTM A653, SS Grade 50, MOD 57	57 ksi	65 ksi	G40
	ASTM A653 HSLA Grade 50, MOD 57	57 ksi	65 ksi	G40
Structural Products ASTM C955 (CP60 Coatings)	ASTM A653, SS Grade 33	33 ksi	45 ksi	G60
	ASTM A1003, Grade 33 Type H (ST33H)	33 ksi	45 ksi	G60
	ASTM A653, SS Grade 50 Class 1	50 ksi	65 ksi	G60
	ASTM A1003, Grade 50 Type H (ST50H)	50 ksi	65 ksi	G60
	ASTM A653, SS Grade 50, MOD 57	57 ksi	65 ksi	G60
	ASTM A653 HSLA Grade 50, MOD 57	57 ksi	65 ksi	G60

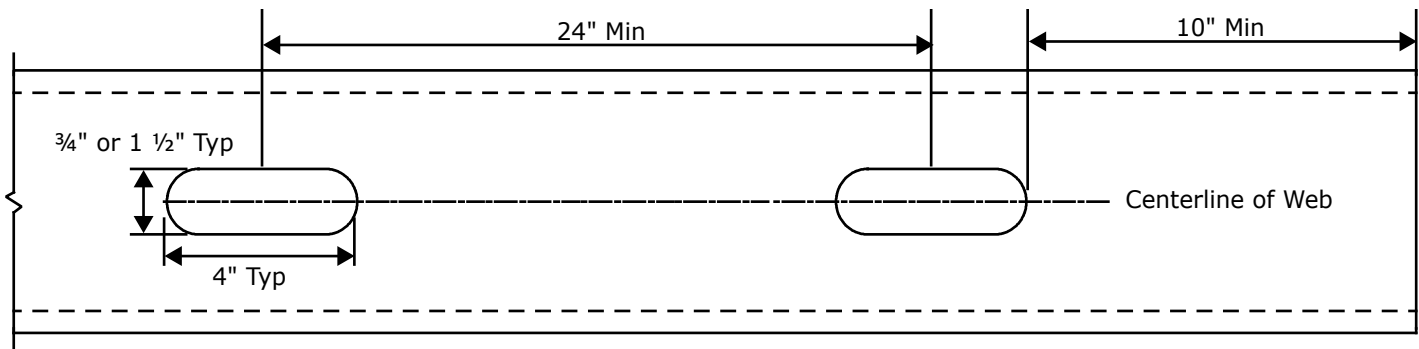
<sup>A</sup>No tensile requirements for nonstructural steel in accordance with ASTM A1003 standards

## 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 product 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 individual manufacturer to verify product availability.

## General Notes for All Tables

- The values in this catalog are based on the North American Specification for the Design of Cold-Formed Steel Structural Members, AISI S100-07 with Supplement S2-10 as referenced by 2012 IBC and AISI S100-12 as referenced by 2015 IBC.
- Where AISI S100 is referenced, it is the North American Specification for the Design of Cold-Formed Steel Structural Members, S100-07 and AISI S100-07 with Supplement S2-10 and AISI S100-12, as applicable with U.S. provisions.
- The structural properties included in this catalog have been computed based on allowable strength design (ASD) method.
- Distortional buckling calculations are based on  $K\phi = 0$ .
- The effective moment of inertia for deflection is calculated at a stress that results in a section modulus such that the stress times the section modulus at that stress is equal to the allowable moment. AISI S100 Procedure I for serviceability determination has been used.
- Conditions with loads that exceed the 10 psf limit for nonstructural members require an approved G60 coating.
- When provided, factory punchouts will be located along the center line of the webs of the stud members and will have a minimum center-to-center spacing of 24". Punchouts for members greater than 2 1/2" deep are a maximum of 1 1/2" wide x 4 1/2" long. Members with depths 2 1/2" and smaller are maximum 3/4" wide x 4 1/2" long. Any configuration or combination of holes that fit within the punchout width and length limitations mentioned above shall be permitted; other punchout configurations and locations not in compliance with limitations listed above must be approved by a design professional. Values herein are based on punchout configuration and location as illustrated below.
- The 10" end distance shown may be altered if calculations are in conformance with code.



Steel Thickness Table				
Designation Thickness (mil)	Minimum Thickness <sup>1</sup> (in)	Design Thickness <sup>1</sup> (in)	Design Inside Corner Radii <sup>2</sup> (in)	Reference Only Gauge No.
18	0.0179	0.0188	0.0843	25
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

Stiffening Lip Length Table		
Member	Flange Width	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

<sup>1</sup>Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the jobsite based on AISI S100-07 Section A2.4.

<sup>2</sup>The tables in this catalog are calculated based on inside corner radii listed in this table. The inside corner radius is the maximum of  $\frac{3}{16} - t/2$  or  $1.5t$ , truncated after the fourth decimal place ( $t =$  design thickness). Centerline bend radius is calculated by adding half of the design thickness to listed corner radius.

SUPREME Steel Thickness Table				
Designation Thickness (mil)	Minimum Thickness <sup>1</sup> (in)	Design Thickness <sup>1</sup> (in)	Design Inside Corner Radii <sup>2</sup> (in)	Reference Only Gauge No.
D25	0.0147	0.0155	0.0860	25 – Drywall
D20	0.0179	0.0188	0.0844	20 – Drywall
D24	0.0223	0.0235	0.0820	20 – Drywall
33EQS	0.0280	0.0295	0.0790	20 – Structural
43EQS	0.0380	0.0400	0.0712	18 – Structural

SUPREME Stiffening Lip Length Table		
Member	Flange Width	Stiffening Lip Length (in)
SFS125	1 1/4"	0.300
SFS143	1 7/16"	0.375
SFS162	1 5/8"	0.500
SFS200	2"	0.625

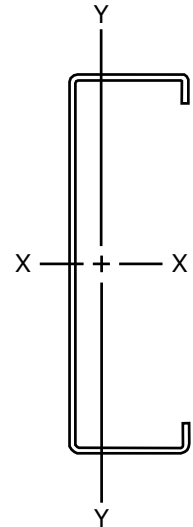
<sup>1</sup>Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the jobsite based on AISI S100-07 Section A2.4.

## Gross Properties

- $I_x$ : Moment of inertia of the cross section about the x-axis.
- $S_x$ : Section modulus about the x-axis.
- $R_x$ : Radius of gyration of cross section about the x-axis.
- $I_y$ : Moment of inertia of cross section about the y-axis.
- $R_y$ : Radius of gyration of cross section about the y-axis.

## Effective Properties

- $I_{xe}$ : Effective moment of inertia about the x-axis.
- $S_{xe}$ : Effective section modulus about the x-axis.
- $M_{al}$ : Allowable moment based on local buckling.
- $M_{ad}$ : Allowable moment based on distortional buckling, assuming  $K\phi = 0$ .
- $M_a$ : Allowable moment for track and channel members, based on local buckling only.
- $V_{ag}$ : Allowable strong axis shear away from punchout, calculated in accordance with AISI S100 Section C3.2.1.
- $V_{anet}$ : Allowable strong axis shear at the punchout, calculated in accordance with AISI S100 Section C3.2.2.



## Torsional and Other Properties

- $J$ : St. Venant torsional constant. The numbers shown in the tables for  $J$  have been multiplied by 1,000. The actual values can be obtained by dividing the listed numbers by 1,000.
- $C_w$ : Torsional warping constant.
- $X_o$ : Distance from the shear center to the centroid along the principal x-axis.
- $m$ : Distance from shear center to mid-plane of web.
- $R_o$ : Polar radius of gyration of cross section about the shear center.
- $\beta$ :  $1 - (X_o/R_o)^2$
- $L_u$ : Critical unbraced length for lateral-torsional buckling. Members are considered fully braced when unbraced length is less than  $L_u$ .
- $K\phi$ : Distortional buckling moment ( $M_{ad}$ ) is calculated without the beneficial effect of sheathing to rotational stiffness.  $K\phi = 0$ .

## Web Depth (h) to Thickness (t) Ratios <sup>2,3,4</sup>

Mil Thickness	D25	18 mil	D20	D24	30 mil	33EQS	33 mil	43EQS	43 mil	54 mil	68 mil	97 mil	118 mil													
Design Thickness (in)	0.0155	0.0188	0.0188	0.0235	0.0312	0.0295	0.0346	0.04	0.0451	0.0566	0.0713	0.1017	0.1242													
Inside Bend Radius (in)	0.0860	0.0843	0.0844	0.082	0.0781	0.079	0.0764	0.0712	0.0712	0.0849	0.1069	0.1525	0.1863													
Depth (in)	h (in)	h/t	h (in)	h/t	h (in)	h/t	h (in)	h/t	h (in)	h/t	h (in)	h/t	h (in)	h/t												
1.625	1.419	75	1.419	75	1.419	75	1.414	60	1.406	45	1.408	47	1.403	41	1.403	35	1.392	31	1.342	24	1.269	18	1.117	11	1.004	8
2.5	2.294	122	2.294	122	2.294	122	2.289	97	2.281	73	2.283	77	2.278	66	2.278	56	2.267	50	2.217	39	2.144	30	1.992	20	1.879	15
3.5	3.294	175	3.294	175	3.294	175	3.289	139	3.281	105	3.283	111	3.278	95	3.278	81	3.267	72	3.217	57	3.144	44	2.992	29	2.879	23
3.625	3.419	182	3.419	182	3.419	181	3.414	145	3.406	109	3.408	115	3.403	98	3.403	85	3.392	75	3.342	59	3.269	46	3.117	31	3.004	24
4	3.794	202 <sup>1</sup>	3.794	202 <sup>1</sup>	3.794	200	3.789	161	3.781	121	3.783	128	3.778	109	3.778	94	3.767	84	3.717	66	3.644	51	3.492	34	3.379	27
5.5	5.294	-	5.294	-	5.294	-	5.289	225 <sup>1</sup>	5.281	169	5.283	179	5.278	153	5.278	131	5.267	117	5.217	92	5.144	72	4.992	49	4.879	39
6	5.794	-	5.794	-	5.794	-	5.789	246 <sup>1</sup>	5.781	185	5.783	196	5.778	167	5.778	144	5.767	128	5.717	101	5.644	79	5.492	54	5.379	43
8	-	-	-	-	-	-	7.789	249 <sup>1</sup>	7.781	249 <sup>1</sup>	7.783	-	7.778	194	7.778	194	7.767	172	7.717	136	7.644	107	7.492	74	7.379	59
10	-	-	-	-	-	-	-	-	-	-	-	-	9.778	-	-	-	9.767	217 <sup>1</sup>	9.717	172	9.644	135	9.492	93	9.379	76
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.767	-	11.717	207 <sup>1</sup>	11.644	164	11.492	113	11.379	92
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.717	242 <sup>1</sup>	13.644	192	13.492	133	13.379	108
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.717	-	15.644	220 <sup>1</sup>	15.492	152	15.379	124

<sup>1</sup>h/t exceeds 200

<sup>2</sup>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.

<sup>3</sup>h/t values exceeding 260 are marked with a dash (-).

<sup>4</sup>h/t values in this table apply to S (studs and joists) members only and do not apply to tracks and channels.

## Table Notes

1. The centerline bend radius is based on inside corner radii shown in the steel thickness table on page 5.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI S100 Section A7.2.
3. Tabulated gross properties are based on the full-unreduced cross section of the studs away from punchouts.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment is the lesser of  $M_{dl}$  and  $M_{ad}$ . Stud distortional buckling is based on an assumed  $K\phi = 0$ .
6. See page 5 for additional table notes.

Section	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties						Torsional Properties					Lu (in)		
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Mal (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)		Ro (in)	β
162S125-18	0.0188	33	0.080	0.27	0.038	0.046	0.686	0.016	0.447	0.034	0.031	0.61	0.65	302	100	0.009	0.009	-1.029	0.594	1.315	0.388	29.0
162S125-30	0.0312	33	0.131	0.45	0.061	0.075	0.681	0.026	0.441	0.060	0.060	1.19	1.29	543	106	0.043	0.014	-1.014	0.585	1.298	0.390	29.2
162S125-33	0.0346	33	0.145	0.49	0.067	0.083	0.679	0.028	0.440	0.066	0.069	1.37	1.48	601	105	0.058	0.016	-1.010	0.583	1.294	0.391	29.2
250S125-18	0.0188	33	0.097	0.33	0.099	0.079	1.014	0.019	0.439	0.089	0.059	1.17	1.03	258	196	0.011	0.023	-0.904	0.543	1.427	0.599	29.0
250S125-30	0.0312	33	0.159	0.54	0.161	0.129	1.008	0.030	0.433	0.159	0.110	2.17	2.09	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	0.175	0.125	2.48	2.41	975	399	0.070	0.040	-0.885	0.532	1.408	0.605	28.9
250S125-43	0.0451	33	0.227	0.77	0.228	0.182	1.001	0.041	0.426	0.225	0.177	3.49	3.43	1265	394	0.154	0.050	-0.873	0.525	1.396	0.608	28.9
250S125-54	0.0566	33	0.280	0.95	0.277	0.222	0.994	0.049	0.419	0.277	0.218	4.98 <sup>2</sup>	5.07	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	0.274	0.209	6.25	6.17	2353	565	0.299	0.060	-0.859	0.518	1.379	0.612	23.3
250S125-68	0.0713	33	0.345	1.18	0.334	0.267	0.984	0.057	0.408	0.334	0.266	6.30 <sup>2</sup>	6.32	1891	342	0.585	0.072	-0.839	0.508	1.356	0.617	26.5
250S125-68	0.0713	50	0.345	1.18	0.334	0.267	0.984	0.057	0.408	0.334	0.262	7.84	8.01	2866	519	0.585	0.072	-0.839	0.508	1.356	0.617	23.3
350S125-18	0.0188	33	0.115	0.39	0.215	0.123	1.366	0.021	0.423	0.203	0.072	1.42	1.47	180	159	0.014	0.050	-0.797	0.495	1.637	0.763	28.8
350S125-30	0.0312	33	0.190	0.65	0.351	0.201	1.359	0.033	0.417	0.346	0.150	2.96	3.04	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	0.382	0.175	3.45	3.53	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	0.495	0.258	5.10	5.11	1739	631	0.184	0.109	-0.769	0.479	1.609	0.771	28.4
350S125-54	0.0566	50	0.337	1.15	0.608	0.348	1.344	0.055	0.402	0.604	0.308	9.22	9.25	3372	947	0.360	0.131	-0.755	0.471	1.593	0.775	22.9
350S125-68	0.0713	50	0.417	1.42	0.739	0.422	1.332	0.064	0.391	0.737	0.400	11.97	12.54	4202	897	0.706	0.156	-0.737	0.462	1.571	0.780	22.8
362S125-18	0.0188	33	0.118	0.40	0.234	0.129	1.409	0.021	0.421	0.221	0.075	1.48	1.52	173	163	0.014	0.054	-0.786	0.490	1.667	0.778	28.8
362S125-30	0.0312	33	0.194	0.66	0.381	0.210	1.402	0.033	0.415	0.376	0.156	3.08	3.17	794	449	0.063	0.086	-0.773	0.482	1.654	0.782	28.6
362S125-33	0.0346	33	0.215	0.73	0.421	0.232	1.400	0.037	0.413	0.415	0.182	3.59	3.67	1024	521	0.086	0.094	-0.769	0.480	1.650	0.783	28.5
362S125-43	0.0451	33	0.278	0.95	0.540	0.298	1.395	0.046	0.408	0.537	0.269	5.31	5.33	1739	676	0.188	0.118	-0.758	0.473	1.639	0.786	28.4
362S125-54	0.0566	50	0.344	1.17	0.661	0.365	1.386	0.055	0.400	0.656	0.321	9.62	9.65	3372	1016	0.367	0.142	-0.744	0.466	1.623	0.790	22.8
362S125-68	0.0713	50	0.426	1.45	0.803	0.443	1.374	0.065	0.389	0.802	0.418	12.52	13.11	4370	1004	0.721	0.169	-0.726	0.457	1.602	0.795	22.7
400S125-18 <sup>1</sup>	0.0188	33	0.125	0.42	0.294	0.147	1.536	0.021	0.414	0.281	0.083	1.64	1.68	156	156	0.015	0.068	-0.754	0.475	1.760	0.816	28.7
400S125-30	0.0312	33	0.206	0.70	0.481	0.240	1.529	0.034	0.408	0.474	0.174	3.44	3.53	715	484	0.067	0.107	-0.741	0.467	1.748	0.820	28.5
400S125-33	0.0346	33	0.228	0.77	0.531	0.265	1.527	0.038	0.407	0.524	0.203	4.01	4.10	976	595	0.091	0.118	-0.738	0.465	1.744	0.821	28.4
400S125-43	0.0451	33	0.295	1.00	0.682	0.341	1.521	0.048	0.402	0.680	0.301	5.96	5.99	1739	810	0.200	0.148	-0.727	0.459	1.733	0.824	28.2
400S125-54	0.0566	50	0.365	1.24	0.835	0.418	1.512	0.057	0.394	0.830	0.361	10.81	10.87	3372	1223	0.390	0.178	-0.713	0.451	1.718	0.828	22.7
400S125-68	0.0713	50	0.452	1.54	1.017	0.509	1.499	0.066	0.383	1.015	0.474	14.18	14.84	4871	1356	0.767	0.213	-0.695	0.442	1.696	0.832	22.5
550S125-18 <sup>1,3</sup>	0.0188	33	0.153	0.52	0.630	0.229	2.029	0.023	0.390	-	-	-	-	-	-	0.018	0.140	-0.651	0.423	2.166	0.910	22.9
550S125-30	0.0312	33	0.252	0.86	1.031	0.375	2.021	0.037	0.384	0.996	0.286	5.65	4.95	512	512	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	1.111	0.335	6.62	5.78	699	699	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	1.458	0.500	9.88	8.61	1550	1199	0.246	0.309	-0.625	0.407	2.141	0.915	27.6
550S125-54	0.0566	50	0.450	1.53	1.805	0.656	2.002	0.061	0.369	1.791	0.606	18.13	15.75	3093	1881	0.481	0.374	-0.613	0.401	2.126	0.917	22.1
550S125-68	0.0713	50	0.559	1.90	2.209	0.803	1.987	0.072	0.358	2.205	0.791	23.68	21.98	5350	2532	0.948	0.448	-0.597	0.392	2.106	0.920	21.8
600S125-18 <sup>1,3</sup>	0.0188	33	0.162	0.55	0.778	0.259	2.189	0.024	0.382	-	-	-	-	-	-	0.019	0.172	-0.623	0.408	2.308	0.927	22.7
600S125-30	0.0312	33	0.268	0.91	1.275	0.425	2.181	0.038	0.376	1.218	0.315	6.22	5.39	468	468	0.087	0.274	-0.611	0.401	2.296	0.929	27.6
600S125-33	0.0346	33	0.297	1.01	1.409	0.470	2.179	0.042	0.374	1.361	0.369	7.30	6.32	638	638	0.118	0.300	-0.608	0.399	2.293	0.930	27.6
600S125-43	0.0451	33	0.385	1.31	1.817	0.606	2.173	0.053	0.369	1.807	0.555	10.96	9.46	1416	1240	0.261	0.378	-0.598	0.393	2.284	0.931	27.3
600S125-54	0.0566	50	0.479	1.63	2.236	0.745	2.161	0.063	0.362	2.220	0.673	20.15	17.34	2823	1947	0.511	0.457	-0.586	0.386	2.269	0.933	21.9
600S125-68	0.0713	50	0.595	2.02	2.740	0.913	2.146	0.073	0.351	2.735	0.898	26.88	24.34	5350	2879	1.008	0.548	-0.570	0.378	2.248	0.936	21.6
800S125-33 <sup>1</sup>	0.0346	33	0.366	1.25	2.881	0.720	2.806	0.044	0.347	2.656	0.507	10.02	8.22	474	474	0.146	0.582	-0.519	0.349	2.875	0.967	26.6
800S125-43	0.0451	33	0.475	1.62	3.721	0.930	2.799	0.056	0.342	3.581	0.773	15.27	12.56	1051	1051	0.322	0.735	-0.510	0.344	2.865	0.968	26.3
800S125-54	0.0566	50	0.592	2.01	4.593	1.148	2.786	0.066	0.335	4.431	0.942	28.21	23.18	2091	2091	0.632	0.889	-0.499	0.338	2.850	0.969	21.1
800S125-68	0.0713	50	0.738	2.51	5.653	1.413	2.768	0.078	0.324	5.632	1.287	38.54	33.22	4221	3367	1.250	1.068	-0.485	0.330	2.829	0.971	20.8

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

<sup>2</sup>Allowable moment includes cold work of forming.

<sup>3</sup>Where web height-to-thickness ratio exceeds 260 or flange width-to-thickness ratio exceeds 60, effective properties are not calculated. See AISI S100 Section B1. Application of these products in a non-composite design shall be approved by a design professional.



# Nonstructural (S) Section Properties

## SUPREME Nonstructural (SFS) Section Properties

Section	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties						Torsional Properties					Lu (in)	
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Mal (in-k)	Mad (in-k)	Vag (lb)	VaNet (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)		β
162SFS125-D25	0.0155	57	0.070	0.24	0.033	0.040	0.682	0.015	0.470	0.031	-	0.66	0.73	-	-	0.006	0.011	-1.130	0.650	1.400	0.350	24.4
162SFS-D20	0.0188	57	0.094	0.32	0.044	0.055	0.686	0.028	0.545	0.043	0.033	0.95	1.08	397	131	0.011	0.022	-1.365	0.779	1.622	0.292	29.1
162SFS-D24	0.0235	57	0.117	0.40	0.055	0.068	0.684	0.035	0.543	0.052	0.048	1.63	1.70	621	162	0.022	0.027	-1.359	0.776	1.616	0.292	29.0
250SFS125-D25	0.0155	57	0.083	0.28	0.086	0.068	1.015	0.018	0.465	0.079	-	1.26	1.16	-	-	0.007	0.025	-0.990	0.590	1.490	0.560	24.0
250SFS-D20	0.0188	57	0.111	0.38	0.117	0.093	1.027	0.033	0.545	0.112	0.060	1.75	1.72	258	196	0.013	0.049	-1.217	0.719	1.683	0.477	28.1
250SFS-D24	0.0235	57	0.138	0.47	0.145	0.116	1.025	0.041	0.542	0.136	0.090	3.06	2.68	505	306	0.025	0.060	-1.212	0.716	1.677	0.478	28.0
350SFS125-D25 <sup>1</sup>	0.0155	57	0.099	0.34	0.186	0.106	1.373	0.020	0.451	0.166	-	1.75	1.66	-	-	0.008	0.051	-0.880	0.540	1.690	0.730	23.6
350SFS-D20	0.0188	57	0.130	0.44	0.252	0.144	1.395	0.037	0.533	0.235	0.077	2.40	2.47	180	159	0.015	0.097	-1.088	0.662	1.847	0.653	27.6
350SFS-D24	0.0235	57	0.161	0.55	0.313	0.179	1.392	0.046	0.531	0.304	0.112	3.83	3.84	351	248	0.030	0.119	-1.083	0.659	1.842	0.655	27.6
362SFS125-D25 <sup>1</sup>	0.0155	57	0.101	0.34	0.202	0.111	1.416	0.02	0.449	0.180	-	1.84	1.72	-	-	0.008	0.055	-0.870	0.540	1.720	0.750	23.6
362SFS-D20	0.0188	57	0.132	0.45	0.273	0.151	1.439	0.037	0.531	0.254	0.080	2.52	2.56	173	164	0.016	0.104	-1.074	0.655	1.873	0.671	27.6
362SFS-D24	0.0235	57	0.164	0.56	0.339	0.187	1.437	0.046	0.529	0.331	0.116	3.97	3.98	338	255	0.030	0.128	-1.069	0.652	1.867	0.672	27.5
400SFS125-D25 <sup>1</sup>	0.0155	57	0.107	0.36	0.255	0.127	1.545	0.021	0.443	0.223	-	2.10	1.90	-	-	0.009	0.069	-0.830	0.520	1.810	0.790	23.4
400SFS-D20 <sup>1</sup>	0.0188	57	0.139	0.47	0.343	0.172	1.572	0.038	0.526	0.314	0.087	2.86	2.84	156	156	0.016	0.129	-1.034	0.637	1.954	0.720	27.5
400SFS-D24	0.0235	57	0.173	0.59	0.427	0.213	1.569	0.047	0.524	0.417	0.129	4.40	4.41	305	275	0.032	0.159	-1.029	0.634	1.949	0.721	27.4
550SFS125-D25 <sup>2</sup>	0.0155	57	0.130	0.44	0.543	0.198	2.045	0.023	0.419	-	-	-	-	-	-	0.010	0.140	-0.715	0.470	2.207	0.900	-
550SFS-D20 <sup>2</sup>	0.0188	57	0.167	0.57	0.726	0.264	2.084	0.042	0.502	-	-	-	-	-	-	0.020	0.259	-0.904	0.574	2.327	0.894	-
550SFS-D24 <sup>1</sup>	0.0235	57	0.208	0.71	0.903	0.328	2.081	0.052	0.500	0.896	0.204	6.97	6.09	218	218	0.038	0.320	-0.900	0.571	2.322	0.850	26.9
600SFS125-D25 <sup>2</sup>	0.0155	57	0.138	0.47	0.670	0.224	2.207	0.023	0.411	-	-	-	-	-	-	0.011	0.170	-0.685	0.450	2.347	0.920	-
600SFS-D20 <sup>2</sup>	0.0188	57	0.177	0.60	0.894	0.298	2.250	0.043	0.494	-	-	-	-	-	-	0.021	0.314	-0.869	0.556	2.462	0.875	-
600SFS-D24 <sup>1</sup>	0.0235	57	0.220	0.75	1.112	0.371	2.247	0.053	0.492	0.976	0.219	7.46	6.60	200	200	0.041	0.388	-0.864	0.553	2.457	0.876	26.7

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

<sup>2</sup>Web height-to-thickness ratio exceeds 260. Section is not in compliance with AISI S100 Section B1, but may be used in accordance with SSFSA's published composite wall data for these members.

See Table Notes on page 7.



# Structural (S) Section Properties



Section	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties						Torsional Properties					Lu (in)		
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Mal (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)		Ro (in)	ρ
250S137-33	0.0346	33	0.197	0.67	0.203	0.163	1.015	0.052	0.515	0.203	0.158	3.11	3.10	975	399	0.079	0.076	-1.141	0.677	1.612	0.499	35.6
250S137-43	0.0451	33	0.255	0.87	0.261	0.208	1.010	0.067	0.515	0.261	0.205	4.53 <sup>2</sup>	4.60	1265	394	0.173	0.096	-1.129	0.670	1.599	0.501	33.6
250S137-54	0.0566	50	0.316	1.07	0.318	0.255	1.004	0.080	0.504	0.318	0.244	8.22 <sup>2</sup>	8.34	2353	565	0.337	0.115	-1.115	0.663	1.583	0.504	27.1
250S137-68	0.0713	50	0.390	1.33	0.386	0.309	0.994	0.095	0.495	0.386	0.308	10.65 <sup>2</sup>	10.67	2866	519	0.661	0.138	-1.096	0.653	1.561	0.507	26.8
250S137-97	0.1017	50	0.533	1.81	0.506	0.405	0.975	0.120	0.475	0.506	0.405	14.75	14.75	3798	429	1.839	0.176	-1.057	0.633	1.514	0.513	26.5
250S162-33	0.0346	33	0.223	0.76	0.235	0.188	1.027	0.087	0.624	0.235	0.180	3.55	3.56	975	399	0.089	0.146	-1.470	0.859	1.898	0.401	44.1
250S162-43	0.0451	33	0.289	0.98	0.302	0.242	1.022	0.111	0.620	0.302	0.240	5.22 <sup>2</sup>	5.25	1265	394	0.196	0.184	-1.457	0.852	1.885	0.402	42.1
250S162-54	0.0566	50	0.358	1.22	0.370	0.296	1.016	0.135	0.613	0.370	0.284	9.42 <sup>2</sup>	9.46	2353	565	0.383	0.223	-1.443	0.845	1.868	0.403	33.9
250S162-68	0.0713	50	0.443	1.51	0.450	0.360	1.007	0.162	0.605	0.450	0.357	12.11 <sup>2</sup>	12.21	2866	519	0.752	0.268	-1.424	0.835	1.846	0.405	33.7
250S162-97	0.1017	50	0.61	2.07	0.596	0.477	0.989	0.209	0.586	0.596	0.477	16.93	16.93	3798	429	2.102	0.346	-1.386	0.815	1.801	0.408	33.5
250S200-33	0.0346	33	0.258	0.88	0.279	0.223	1.040	0.154	0.773	0.276	0.197	3.90	4.09	975	399	0.103	0.302	-1.926	1.108	2.321	0.312	56.0
250S200-43	0.0451	33	0.334	1.14	0.358	0.287	1.036	0.198	0.769	0.358	0.278	5.49	5.66	1265	394	0.227	0.382	-1.914	1.101	2.308	0.312	56.1
250S200-54	0.0566	50	0.415	1.41	0.440	0.352	1.030	0.241	0.763	0.44	0.321	9.60	10.11	2353	565	0.443	0.464	-1.899	1.093	2.291	0.313	45.5
250S200-68	0.0713	50	0.515	1.75	0.537	0.430	1.022	0.293	0.754	0.537	0.417	13.84	14.27	2866	519	0.872	0.561	-1.881	1.084	2.270	0.313	43.4
250S200-97	0.1017	50	0.711	2.42	0.718	0.575	1.005	0.386	0.736	0.718	0.575	19.82	19.82	3798	429	2.452	0.735	-1.843	1.063	2.224	0.314	43.4
250S250-43	0.0451	33	0.379	1.29	0.426	0.341	1.060	0.336	0.941	0.426	0.297	5.87	6.24	1265	394	0.257	0.638	-2.404	1.359	2.791	0.258	66.8
250S250-54	0.0566	50	0.471	1.60	0.524	0.419	1.055	0.412	0.935	0.521	0.341	10.22	11.02	2353	565	0.503	0.778	-2.389	1.351	2.774	0.258	54.1
250S250-68	0.0713	50	0.586	1.99	0.643	0.514	1.047	0.503	0.926	0.643	0.446	13.35	14.59	2866	519	0.993	0.944	-2.371	1.341	2.752	0.258	54.5
250S250-97	0.1017	50	0.813	2.77	0.864	0.692	1.031	0.670	0.908	0.843	0.663	22.31	23.26	3798	429	2.803	1.245	-2.332	1.32	2.707	0.258	52.4
350S137-33	0.0346	33	0.232	0.79	0.441	0.252	1.380	0.059	0.503	0.441	0.223	4.41	4.54	1024	487	0.093	0.153	-1.016	0.621	1.786	0.676	34.8
350S137-43	0.0451	33	0.300	1.02	0.568	0.324	1.375	0.075	0.498	0.568	0.307	6.07	6.38	1739	631	0.204	0.193	-1.005	0.615	1.774	0.679	34.7
350S137-54	0.0566	50	0.372	1.27	0.696	0.398	1.367	0.090	0.492	0.696	0.366	10.95	11.42	3372	947	0.398	0.233	-0.991	0.607	1.759	0.683	28.0
350S137-68	0.0713	50	0.461	1.57	0.849	0.485	1.357	0.107	0.482	0.849	0.472	14.12	14.53	4202	897	0.782	0.28	-0.973	0.598	1.738	0.687	27.9
350S137-97	0.1017	50	0.635	2.16	1.130	0.646	1.334	0.136	0.462	1.13	0.629	22.9	23.49	5704	775	2.189	0.361	-0.935	0.579	1.693	0.695	25.2
350S162-33	0.0346	33	0.258	0.88	0.508	0.290	1.404	0.098	0.617	0.508	0.257	5.08	5.22	1024	487	0.103	0.277	-1.324	0.796	2.026	0.573	42.7
350S162-43	0.0451	33	0.334	1.14	0.654	0.374	1.400	0.125	0.612	0.654	0.357	7.05	7.31	1739	631	0.227	0.350	-1.312	0.789	2.014	0.575	42.6
350S162-54	0.0566	50	0.415	1.41	0.804	0.460	1.392	0.152	0.606	0.804	0.426	12.74	13.05	3372	947	0.443	0.426	-1.298	0.782	1.998	0.578	34.5
350S162-68	0.0713	50	0.515	1.75	0.985	0.563	1.383	0.184	0.597	0.985	0.549	16.44	16.84	4202	897	0.872	0.514	-1.280	0.772	1.977	0.581	34.5
350S162-97	0.1017	50	0.711	2.42	1.320	0.754	1.362	0.238	0.578	1.32	0.738	26.18	26.76	5704	775	2.452	0.672	-1.242	0.752	1.932	0.587	31.7
350S200-33	0.0346	33	0.292	0.99	0.598	0.342	1.431	0.175	0.773	0.597	0.283	5.59	5.95	1024	487	0.117	0.541	-1.76	1.039	2.396	0.461	53.7
350S200-43	0.0451	33	0.379	1.29	0.771	0.441	1.426	0.224	0.768	0.771	0.41	8.09	8.36	1739	631	0.257	0.687	-1.748	1.032	2.383	0.462	53.7
350S200-54	0.0566	50	0.471	1.60	0.95	0.543	1.420	0.274	0.762	0.95	0.47	14.07	14.86	3372	947	0.503	0.838	-1.733	1.024	2.367	0.464	43.5
350S200-68	0.0713	50	0.586	1.99	1.167	0.667	1.411	0.333	0.754	1.167	0.638	19.10	19.68	4202	897	0.993	1.018	-1.715	1.014	2.345	0.465	43.5
350S200-97	0.1017	50	0.813	2.77	1.576	0.901	1.393	0.440	0.736	1.576	0.884	30.51	31.08	5704	775	2.803	1.347	-1.676	0.994	2.300	0.469	40.7
350S250-43	0.0451	33	0.424	1.44	0.906	0.518	1.461	0.380	0.946	0.906	0.431	8.52	9.000	1739	631	0.288	1.151	-2.22	1.286	2.821	0.381	64.3
350S250-54	0.0566	50	0.528	1.80	1.118	0.639	1.455	0.467	0.94	1.113	0.494	14.78	15.92	3372	947	0.564	1.409	-2.205	1.278	2.804	0.382	52.1
350S250-68	0.0713	50	0.657	2.24	1.376	0.787	1.447	0.570	0.931	1.376	0.661	19.78	21.31	4202	897	1.114	1.718	-2.186	1.268	2.782	0.383	52.2
350S250-97	0.1017	50	0.915	3.11	1.870	1.069	1.430	0.762	0.913	1.870	0.998	33.58	35.43	5704	775	3.154	2.291	-2.147	1.248	2.736	0.384	49.5
362S137-33	0.0346	33	0.236	0.80	0.479	0.264	1.424	0.059	0.501	0.479	0.232	4.59	4.73	1024	521	0.094	0.165	-1.003	0.615	1.813	0.694	34.7
362S137-43	0.0451	33	0.306	1.04	0.616	0.340	1.419	0.075	0.497	0.616	0.320	6.32	6.65	1739	676	0.207	0.208	-0.991	0.608	1.801	0.697	34.6
362S137-54	0.0566	50	0.379	1.29	0.756	0.417	1.411	0.091	0.490	0.756	0.381	11.42	11.91	3372	1016	0.405	0.251	-0.978	0.601	1.785	0.700	27.9
362S137-68	0.0713	50	0.470	1.60	0.922	0.509	1.401	0.109	0.480	0.922	0.493	14.77	15.24	4370	1004	0.797	0.302	-0.959	0.592	1.764	0.704	27.8
362S137-97	0.1017	50	0.648	2.20	1.229	0.678	1.377	0.137	0.46	1.229	0.662	24.1	24.67	5943	875	2.233	0.390	-0.922	0.573	1.720	0.713	25.1
362S162-33	0.0346	33	0.262	0.89	0.551	0.304	1.450	0.099	0.616	0.551	0.268	5.29	5.43	1024	521	0.105	0.297	-1.308	0.789	2.048	0.592	42.6
362S162-43	0.0451	33	0.340	1.16	0.710	0.392	1.445	0.127	0.611	0.710	0.372	7.34	7.62	1739	676	0.230	0.376	-1.297	0.782	2.036	0.594	42.5
362S162-54	0.0566	50	0.422	1.44	0.873	0.481	1.438	0.154	0.604	0.873	0.444	13.28	13.59	3372	1016	0.451	0.457	-1.283	0.774	2.020	0.597	34.4
362S162-68	0.0713	50	0.524	1.78	1.069	0.590	1.429	0.186	0.596	1.069	0.574	17.18	17.65	4370	1004	0.887	0.552	-1.264	0.765	1.998	0.600	34.3
362S162-97	0.1017	50	0.724	2.46	1.435	0.792	1.408	0.241	0.577	1.435	0.776	27.52	28.08	5943	875	2.496	0.723	-1.226	0.745	1.954	0.606	31.5
362S200-33	0.0346	33	0.297	1.01	0.648	0.358	1.478	0.177	0.772	0.647	0.294	5.81	6.19	1024	521	0.118	0.577	-1.741	1.030	2.411	0.478	53.6
362S200-43	0.0451	33	0.385	1.31	0.836	0.461	1.474	0.227	0.767	0.836	0.427	8.43	8.70	1739	676	0.261	0.734	-1.729	1.024	2.398	0.480	53.5
362S200-54	0.0566	50	0.479	1.63	1.030	0.568	1.467	0.277	0.761	1.030	0.490	14.66	15.47	3372	1016	0.511	0.896	-1.715	1.016	2.382	0.482	43.3
362S200-68	0.0713	50	0.595	2.02	1.265																	



# Structural (S) Section Properties

Section	Design Thickness (in)	Fy (ksi)	Gross Properties								Effective Properties						Torsional Properties					
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Mal (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)	ρ	Lu (in)
400S200-43	0.0451	33	0.402	1.37	1.047	0.524	1.615	0.235	0.764	1.047	0.478	9.45	9.74	1739	810	0.272	0.886	-1.676	1.000	2.449	0.532	53.0
400S200-54	0.0566	50	0.500	1.70	1.292	0.646	1.608	0.287	0.758	1.292	0.549	16.43	17.31	3372	1223	0.534	1.083	-1.662	0.993	2.433	0.534	42.9
400S200-68	0.0713	50	0.622	2.12	1.589	0.795	1.599	0.349	0.750	1.589	0.751	22.48	23.04	4871	1356	1.054	1.318	-1.643	0.983	2.412	0.536	42.9
400S200-97	0.1017	50	0.864	2.94	2.155	1.077	1.579	0.462	0.731	2.155	1.063	36.68	37.17	6658	1207	2.978	1.749	-1.605	0.963	2.368	0.540	39.9
400S250-43	0.0451	33	0.447	1.52	1.224	0.612	1.655	0.399	0.945	1.224	0.503	9.93	10.41	1739	810	0.303	1.486	-2.139	1.252	2.864	0.443	63.7
400S250-54	0.0566	50	0.556	1.89	1.512	0.756	1.649	0.49	0.938	1.506	0.576	17.24	18.42	3372	1223	0.594	1.821	-2.124	1.244	2.848	0.444	51.6
400S250-68	0.0713	50	0.693	2.36	1.864	0.932	1.64	0.599	0.929	1.864	0.775	23.19	24.76	4871	1356	1.174	2.225	-2.105	1.235	2.826	0.445	51.6
400S250-97	0.1017	50	0.966	3.29	2.541	1.271	1.622	0.801	0.911	2.541	1.191	40.06	41.47	6658	1207	3.329	2.978	-2.066	1.214	2.78	0.448	48.8
400S300-54	0.0566	50	0.613	2.09	1.732	0.866	1.681	0.760	1.114	1.637	0.592	17.72	19.25	3372	1223	0.655	2.802	-2.594	1.496	3.285	0.377	59.9
400S300-68	0.0713	50	0.764	2.60	2.139	1.070	1.673	0.933	1.105	2.099	0.805	24.09	26.05	4871	1356	1.295	3.432	-2.574	1.486	3.263	0.378	60.0
400S300-97	0.1017	50	1.067	3.63	2.928	1.464	1.656	1.258	1.086	2.897	1.307	39.12	40.72	6658	1207	3.679	4.619	-2.535	1.465	3.216	0.379	60.3
550S137-33	0.0346	33	0.301	1.02	1.283	0.467	2.064	0.067	0.472	1.283	0.453	8.95	7.48	699	699	0.12	0.411	-0.841	0.536	2.278	0.864	33.7
550S137-43	0.0451	33	0.391	1.33	1.655	0.602	2.059	0.085	0.467	1.655	0.592	13.08	11.6	1550	1199	0.265	0.52	-0.83	0.53	2.268	0.866	31.7
550S137-54	0.0566	50	0.486	1.65	2.039	0.741	2.049	0.103	0.46	2.039	0.714	24.03	20.88	3093	1881	0.519	0.632	-0.817	0.523	2.254	0.868	25.4
550S137-68	0.0713	50	0.604	2.05	2.503	0.91	2.036	0.123	0.451	2.503	0.909	31.42	28.89	5350	2532	1.023	0.764	-0.801	0.514	2.234	0.871	24.9
550S137-97	0.1017	50	0.838	2.85	3.38	1.229	2.008	0.155	0.43	3.38	1.229	44.72	44.72	9518	3026	2.891	0.997	-0.766	0.497	2.192	0.878	23.9
550S162-33	0.0346	33	0.327	1.11	1.458	0.530	2.112	0.113	0.589	1.458	0.512	10.11	8.63	699	699	0.130	0.713	-1.114	0.697	2.459	0.795	41.4
550S162-43	0.0451	33	0.424	1.44	1.883	0.685	2.107	0.145	0.584	1.883	0.681	14.79 <sup>2</sup>	13.14	1550	1199	0.288	0.905	-1.103	0.691	2.448	0.797	39.2
550S162-54	0.0566	50	0.528	1.80	2.324	0.845	2.098	0.176	0.577	2.324	0.811	26.86 <sup>2</sup>	23.52	3093	1881	0.564	1.105	-1.090	0.684	2.434	0.800	31.6
550S162-68	0.0713	50	0.657	2.24	2.861	1.040	2.086	0.212	0.568	2.861	1.031	34.94 <sup>2</sup>	32.28	5350	2532	1.114	1.342	-1.072	0.675	2.414	0.803	31.1
550S162-97	0.1017	50	0.915	3.11	3.886	1.413	2.061	0.276	0.549	3.886	1.413	50.13	50.13	9518	3026	3.154	1.775	-1.037	0.656	2.372	0.809	30
550S200-33	0.0346	33	0.362	1.23	1.694	0.616	2.164	0.204	0.751	1.678	0.559	11.05	9.80	699	699	0.144	1.326	-1.508	0.925	2.742	0.698	51.9
550S200-43	0.0451	33	0.469	1.60	2.189	0.796	2.159	0.261	0.746	2.189	0.776	15.33	13.96	1550	1199	0.318	1.691	-1.496	0.918	2.731	0.700	51.7
550S200-54	0.0566	50	0.585	1.99	2.706	0.984	2.152	0.32	0.739	2.706	0.901	26.98	24.84	3093	1881	0.624	2.072	-1.483	0.911	2.716	0.702	41.8
550S200-68	0.0713	50	0.729	2.48	3.341	1.215	2.141	0.389	0.731	3.341	1.17	38.83	35.92	5350	2532	1.235	2.531	-1.465	0.902	2.695	0.705	39.6
550S200-97	0.1017	50	1.016	3.46	4.563	1.659	2.119	0.515	0.712	4.563	1.659	57.25	57.25	9518	3026	3.504	3.384	-1.428	0.882	2.652	0.710	38.6
550S250-43	0.0451	33	0.515	1.75	2.524	0.918	2.215	0.445	0.93	2.524	0.817	16.15	14.74	1550	1199	0.349	2.837	-1.933	1.163	3.083	0.607	62.6
550S250-54	0.0566	50	0.641	2.18	3.126	1.137	2.208	0.547	0.923	3.084	0.95	28.44	26.11	3093	1881	0.685	3.486	-1.919	1.155	3.067	0.609	50.7
550S250-68	0.0713	50	0.800	2.72	3.866	1.406	2.198	0.669	0.914	3.864	1.233	36.91	35.43	5350	2532	1.356	4.274	-1.900	1.146	3.046	0.611	50.6
550S250-97	0.1017	50	1.118	3.80	5.304	1.929	2.178	0.897	0.895	5.304	1.837	61.77	60.32	9518	3026	3.855	5.261	-1.862	1.126	3.002	0.615	47.6
600S137-33	0.0346	33	0.318	1.08	1.582	0.527	2.229	0.069	0.464	1.548	0.455	8.98	8.19	638	638	0.127	0.500	-0.807	0.519	2.416	0.889	33.5
600S137-43	0.0451	33	0.413	1.41	2.042	0.681	2.223	0.087	0.459	2.041	0.645	12.74	11.82	1416	1240	0.280	0.633	-0.796	0.513	2.406	0.890	33.3
600S137-54	0.0566	50	0.514	1.75	2.518	0.839	2.213	0.105	0.452	2.518	0.777	23.26	21.24	2823	1947	0.549	0.769	-0.784	0.506	2.391	0.893	26.8
600S137-68	0.0713	50	0.640	2.18	3.094	1.031	2.200	0.125	0.443	3.094	1.030	30.84	28.89	5350	2879	1.084	0.930	-0.768	0.497	2.371	0.895	26.5
600S137-97	0.1017	50	0.889	3.03	4.188	1.396	2.170	0.159	0.422	4.188	1.396	50.80 <sup>2</sup>	50.80	10472	3805	3.066	1.216	-0.734	0.480	2.330	0.901	23.6
600S137-118	0.1242	50	1.065	3.62	4.913	1.638	2.147	0.176	0.406	4.913	1.638	61.69	61.69	12526	3622	5.477	1.391	-0.709	0.467	2.298	0.905	22.9
600S162-33	0.0346	33	0.344	1.17	1.793	0.598	2.282	0.116	0.581	1.793	0.577	11.41	9.47	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	2.316	0.767	16.68 <sup>2</sup>	14.46	1416	1240	0.303	1.095	-1.062	0.670	2.577	0.830	39.0
600S162-54	0.0566	50	0.556	1.89	2.860	0.953	2.267	0.180	0.570	2.860	0.916	30.33 <sup>2</sup>	25.90	2823	1947	0.594	1.337	-1.049	0.663	2.562	0.832	31.4
600S162-68	0.0713	50	0.693	2.36	3.525	1.175	2.255	0.218	0.560	3.525	1.164	39.47 <sup>2</sup>	35.69	5350	2879	1.174	1.626	-1.032	0.655	2.543	0.835	30.8
600S162-97	0.1017	50	0.966	3.29	4.797	1.599	2.229	0.283	0.541	4.797	1.599	56.73 <sup>2</sup>	56.72	10472	3805	3.329	2.153	-0.997	0.636	2.501	0.841	29.8
600S162-118	0.1242	50	1.158	3.94	5.652	1.884	2.209	0.321	0.526	5.652	1.884	68.94 <sup>2</sup>	68.93	12526	3622	5.956	2.487	-0.971	0.623	2.470	0.845	29.1
600S200-33	0.0346	33	0.379	1.29	2.075	0.692	2.340	0.209	0.743	2.058	0.621	12.28	10.77	638	638	0.151	1.593	-1.457	0.901	2.855	0.740	51.6
600S200-43	0.0451	33	0.492	1.67	2.683	0.894	2.335	0.268	0.739	2.683	0.873	17.24	15.39	1416	1240	0.334	2.033	-1.446	0.894	2.844	0.742	51.4
600S200-54	0.0566	50	0.613	2.09	3.319	1.106	2.327	0.328	0.732	3.319	1.015	30.40	27.38	2823	1947	0.655	2.493	-1.432	0.887	2.829	0.744	41.6
600S200-68	0.0713	50	0.764	2.60	4.101	1.367	2.316	0.400	0.723	4.101	1.317	43.71 <sup>2</sup>	39.69	5350	2879	1.295	3.047	-1.415	0.878	2.809	0.746	39.3
600S200-97	0.1017	50	1.067	3.63	5.612	1.871	2.293	0.530	0.705	5.612	1.871	64.53 <sup>2</sup>	63.67	10472	3805	3.679	4.080	-1.378	0.859	2.767	0.752	38.3
600S200-118	0.1242	50	1.283	4.36	6.641	2.214	2.275	0.611	0.690	6.641	2.214	78.44 <sup>2</sup>	78.44	12526	3622	6.595	4.753	-1.351	0.845	2.735	0.756	37.6
600S250-43	0.0451	33	0.537	1.83	3.082	1.027	2.396	0.458	0.923	3.082	0.918	18.14	16.21	1416	1240	0.364	3.411	-1.874	1.136	3.179	0.652	62.4
600S250-54	0.0566	50	0.670	2.28	3.819	1.273	2.388	0.562	0.917	3.766	1.069	32.00	28.71	2823	1947	0.715	4.194	-1.860	1.119	3.163	0.654	50.5
600S250-68	0.0713	50	0.836	2.84	4.727	1.576	2.378	0.688	0.908	4.723	1.386	41.49	39.07	5350	2879	1.416	5.145	-1.842				

# Structural (S) Section Properties



Section	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties						Torsional Properties						Lu (in)
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Mal (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)	ϕ	
800S162-118	0.1242	50	1.407	4.79	11.504	2.876	2.860	0.345	0.496	11.504	2.876	105.23 <sup>2</sup>	105.23	16235	7115	7.234	4.766	-0.842	0.556	3.022	0.922	28.0
800S200-33 <sup>1</sup>	0.0346	33	0.448	1.52	4.096	1.024	3.023	0.227	0.712	4.096	0.816	16.12	14.52	474	474	0.179	2.971	-1.288	0.817	3.363	0.853	50.6
800S200-43	0.0451	33	0.582	1.98	5.302	1.325	3.018	0.292	0.708	5.302	1.293	25.54	20.99	1051	1051	0.395	3.797	-1.277	0.811	3.353	0.855	50.3
800S200-54	0.0566	50	0.726	2.47	6.573	1.643	3.009	0.357	0.701	6.573	1.499	44.87	37.37	2091	2091	0.775	4.663	-1.265	0.804	3.338	0.856	40.7
800S200-68	0.0713	50	0.907	3.09	8.140	2.035	2.996	0.435	0.692	8.140	1.964	65.21 <sup>2</sup>	54.70	4221	3367	1.537	5.712	-1.248	0.796	3.319	0.859	38.4
800S200-97	0.1017	50	1.271	4.32	11.203	2.801	2.969	0.576	0.673	11.203	2.801	96.63 <sup>2</sup>	89.76	10885	5938	4.381	7.684	-1.214	0.777	3.278	0.863	37.2
800S200-118	0.1242	50	1.531	5.21	13.316	3.329	2.949	0.665	0.659	13.316	3.299	117.95 <sup>2</sup>	117.55	16235	7115	7.872	8.981	-1.188	0.764	3.247	0.866	36.5
800S250-43	0.0451	33	0.627	2.13	6.015	1.504	3.097	0.500	0.893	6.015	1.313	25.95	22.06	1051	1051	0.425	6.374	-1.675	1.043	3.632	0.787	61.5
800S250-54	0.0566	50	0.783	2.66	7.465	1.866	3.088	0.614	0.886	7.378	1.525	45.66	39.13	2091	2091	0.836	7.850	-1.661	1.036	3.617	0.789	49.8
800S250-68	0.0713	50	0.978	3.33	9.261	2.315	3.077	0.752	0.877	9.240	2.059	61.65	53.75	4221	3367	1.658	9.652	-1.644	1.027	3.597	0.791	49.6
800S250-97	0.1017	50	1.372	4.67	12.789	3.197	3.053	1.009	0.857	12.789	3.054	162.70 <sup>2</sup>	93.42	10885	5938	4.731	13.091	-1.607	1.008	3.555	0.796	46.4
800S250-118	0.1242	50	1.655	5.63	15.242	3.810	3.035	1.175	0.843	15.242	3.707	127.51 <sup>2</sup>	122.92	16235	7115	8.511	15.395	-1.580	0.994	3.524	0.799	45.6
800S300-54	0.0566	50	0.839	2.86	8.358	2.090	3.156	0.960	1.069	7.862	1.535	45.96	40.22	2091	2091	0.896	12.076	-2.073	1.271	3.924	0.721	58.6
800S300-68	0.0713	50	1.050	3.57	10.382	2.595	3.145	1.179	1.060	10.082	2.145	64.21	55.47	4221	3367	1.779	14.888	-2.055	1.262	3.903	0.723	58.4
800S300-97	0.1017	50	1.474	5.02	14.375	3.594	3.123	1.595	1.040	14.170	3.308	98.92	89.89	10885	5938	5.082	20.304	-2.017	1.243	3.860	0.727	58.1
800S300-118	0.1242	50	1.779	6.05	17.167	4.292	3.106	1.871	1.025	17.022	4.108	138.41 <sup>2</sup>	126.69	16235	7115	9.149	23.979	-1.989	1.229	3.828	0.730	54.5
800S350-54	0.0566	50	0.938	3.19	9.683	2.421	3.212	1.646	1.325	9.191	1.869	55.96	49.74	2091	2091	1.002	22.897	-2.766	1.668	4.441	0.612	73.1
800S350-68	0.0713	50	1.174	4.00	12.046	3.012	3.203	2.034	1.316	11.909	2.596	77.73	68.05	4221	3367	1.990	28.308	-2.748	1.658	4.421	0.614	72.9
800S350-97	0.1017	50	1.652	5.62	16.737	4.184	3.183	2.784	1.298	16.737	3.855	113.34	108.67	10885	5938	5.696	38.834	-2.710	1.639	4.377	0.617	72.7
800S350-118	0.1242	50	1.997	6.79	20.041	5.010	3.168	3.295	1.285	20.041	4.762	158.02 <sup>2</sup>	150.37	16235	7115	10.267	46.068	-2.682	1.624	4.345	0.619	68.9
1000S162-43 <sup>1</sup>	0.0451	33	0.627	2.13	8.025	1.605	3.577	0.168	0.518	7.523	1.302	25.74	22.49	836	836	0.425	3.430	-0.823	0.545	3.707	0.951	38.8
1000S162-54	0.0566	50	0.783	2.66	9.950	1.990	3.565	0.204	0.511	9.391	1.572	47.07	40.37	1661	1661	0.836	4.198	-0.812	0.538	3.692	0.952	31.3
1000S162-68	0.0713	50	0.978	3.33	12.325	2.465	3.550	0.246	0.502	11.978	2.154	64.51	56.35	3345	3345	1.658	5.121	-0.798	0.531	3.673	0.953	31.0
1000S162-97	0.1017	50	1.372	4.67	16.967	3.393	3.516	0.320	0.483	16.967	3.269	97.89	92.56	9864	7177	4.731	6.827	-0.768	0.514	3.631	0.955	30.4
1000S162-118	0.1242	50	1.655	5.63	20.169	4.034	3.491	0.363	0.468	20.169	4.034	120.77	120.34	16235	9536	8.511	7.924	-0.746	0.502	3.600	0.957	30.0
1000S200-43 <sup>1</sup>	0.0451	33	0.672	2.29	9.085	1.817	3.676	0.309	0.677	8.602	1.470	29.05	26.14	836	836	0.456	6.236	-1.147	0.743	3.910	0.914	49.3
1000S200-54	0.0566	50	0.839	2.86	11.278	2.256	3.666	0.378	0.671	10.769	1.705	51.05	46.62	1661	1661	0.896	7.665	-1.135	0.737	3.896	0.915	39.8
1000S200-68	0.0713	50	1.050	3.57	13.994	2.799	3.652	0.460	0.662	13.665	2.420	72.46	64.50	3345	3345	1.779	9.401	-1.120	0.729	3.876	0.917	39.6
1000S200-97	0.1017	50	1.474	5.02	19.336	3.867	3.622	0.609	0.643	19.336	3.741	112.00	104.73	9864	7177	5.082	12.679	-1.088	0.711	3.836	0.920	39.0
1000S200-118	0.1242	50	1.779	6.05	23.052	4.610	3.599	0.703	0.629	23.052	4.610	138.04	135.74	16235	9536	9.149	14.848	-1.064	0.699	3.805	0.922	38.7
1000S250-43 <sup>1</sup>	0.0451	33	0.717	2.44	10.203	2.041	3.771	0.531	0.860	10.203	1.617	31.95	27.67	836	836	0.486	10.481	-1.518	0.965	4.155	0.867	60.7
1000S250-54	0.0566	50	0.896	3.05	12.677	2.535	3.762	0.653	0.854	12.660	1.879	56.26	49.16	1661	1661	0.957	12.922	-1.505	0.958	4.140	0.868	49.1
1000S250-68	0.0713	50	1.121	3.81	15.751	3.150	3.749	0.799	0.844	15.741	2.768	82.89	68.13	3345	3345	1.899	15.909	-1.488	0.950	4.121	0.870	48.8
1000S250-97	0.1017	50	1.576	5.36	21.827	4.365	3.722	1.072	0.825	21.827	4.181	140.63 <sup>2</sup>	120.13	9864	7177	5.433	21.632	-1.454	0.932	4.080	0.873	45.6
1000S250-118	0.1242	50	1.904	6.48	26.080	5.216	3.701	1.249	0.810	26.080	5.082	174.84 <sup>2</sup>	159.80	16235	9536	9.788	25.490	-1.428	0.918	4.049	0.876	44.8
1000S300-54	0.0566	50	0.953	3.24	14.076	2.815	3.844	1.024	1.037	13.440	1.902	56.96	50.69	1661	1661	1.017	19.888	-1.892	1.185	4.408	0.816	58.1
1000S300-68	0.0713	50	1.192	4.06	17.509	3.502	3.832	1.258	1.027	17.099	2.802	83.89	70.40	3345	3345	2.020	24.551	-1.874	1.176	4.388	0.818	57.8
1000S300-97	0.1017	50	1.677	5.71	24.318	4.864	3.808	1.702	1.007	23.970	4.499	134.69	115.62	9864	7177	5.783	33.570	-1.838	1.158	4.346	0.821	57.4
1000S300-118	0.1242	50	2.028	6.90	29.109	5.822	3.789	1.997	0.992	28.861	5.586	188.23 <sup>2</sup>	164.19	16235	9536	10.427	39.725	-1.811	1.144	4.315	0.824	53.8
1000S350-54	0.0566	50	1.052	3.58	16.220	3.244	3.927	1.768	1.297	15.577	2.328	69.69	62.97	1661	1661	1.123	36.575	-2.546	1.566	4.857	0.725	72.2
1000S350-68	0.0713	50	1.317	4.48	20.204	4.041	3.917	2.185	1.288	20.026	3.417	102.32	86.60	3345	3345	2.232	45.277	-2.529	1.557	4.837	0.727	72.0
1000S350-97	0.1017	50	1.855	6.31	28.148	5.630	3.895	2.992	1.270	28.148	5.118	153.25	139.74	9864	7177	6.397	62.280	-2.492	1.538	4.795	0.730	71.6
1000S350-118	0.1242	50	2.245	7.64	33.772	6.754	3.878	3.543	1.256	33.772	6.427	213.25 <sup>2</sup>	194.46	16235	9536	11.544	74.030	-2.465	1.524	4.764	0.732	67.8
1200S162-54 <sup>1</sup>	0.0566	50	0.896	3.05	15.730	2.622	4.190	0.212	0.486	14.298	1.914	57.31	46.75	1377	1377	0.957	6.340	-0.732	0.493	4.281	0.971	30.5
1200S162-68	0.0713	50	1.121	3.81	19.518	3.253	4.173	0.255	0.477	18.390	2.645	79.19	66.14	2771	2771	1.899	7.739	-0.719	0.485	4.261	0.972	30.2
1200S162-97	0.1017	50	1.576	5.36	26.966	4.494	4.137	0.331	0.459	26.735	4.091	122.49	111.30	8147	7411	5.433	10.331	-0.691	0.470	4.219	0.973	29.5
1200S162-118	0.1242	50	1.904	6.48	32.145	5.357	4.109	0.376	0.444	32.145	5.168	154.74	147.23	14986	11037	9.788	12.002	-0.670	0.459	4.187	0.974	29.0
1200S200-54 <sup>1</sup>	0.0566	50	0.953	3.24	17.662	2.944	4.306	0.393	0.643	16.334	2.073	62.07	54.74	1377	1377	1.017	11.550	-1.032	0.681	4.474	0.947	39.0
1200S200-68	0.0713	50	1.192	4.06	21.947	3.658	4.291	0.479	0.634	20.864	2.963	88.71	76.55	2771	2771	2.020	14.176	-1.017	0.673	4.455	0.948	38.7
1200S200-97	0.1017	50	1.677	5.71	30.417	5.069	4.258	0.635	0.615	30.175	4.660	139.51	126.86	8147	7							



# Structural (S) Section Properties

Section	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties						Torsional Properties						Lu (in)
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Mal (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)	β	
1400S250-68	0.0713	50	1.406	4.78	35.743	5.106	5.042	0.865	0.784	33.565	3.550	106.29	93.79	2365	2365	2.383	34.118	-1.257	0.827	5.255	0.943	47.3
1400S250-97	0.1017	50	1.983	6.75	49.764	7.109	5.010	1.160	0.765	48.650	6.010	179.95	157.94	6939	6939	6.835	46.520	-1.225	0.811	5.214	0.945	46.7
1400S250-118	0.1242	50	2.400	8.17	59.676	8.525	4.986	1.352	0.750	59.504	7.881	235.94	210.42	12745	11287	12.342	54.927	-1.203	0.798	5.184	0.946	46.2
1400S300-54 <sup>1</sup>	0.0566	50	1.179	4.01	31.453	4.493	5.165	1.115	0.972	27.227	2.580	77.25	69.82	1177	1177	1.259	42.690	-1.617	1.046	5.499	0.914	56.8
1400S300-68	0.0713	50	1.477	5.03	39.201	5.600	5.151	1.370	0.963	36.290	3.655	109.42	98.25	2365	2365	2.503	52.772	-1.601	1.038	5.480	0.915	56.5
1400S300-97	0.1017	50	2.084	7.09	54.675	7.811	5.122	1.854	0.943	53.226	6.372	190.78	165.45	6939	6939	7.186	72.365	-1.568	1.020	5.439	0.917	55.9
1400S300-118	0.1242	50	2.525	8.59	65.655	9.379	5.100	2.174	0.928	65.570	8.427	252.29	220.81	12745	11287	12.981	85.812	-1.544	1.008	5.408	0.919	55.5
1400S350-54 <sup>1</sup>	0.0566	50	1.278	4.35	35.830	5.119	5.295	1.947	1.234	33.308	3.249	97.27	88.25	1177	1177	1.365	76.252	-2.207	1.400	5.868	0.859	70.7
1400S350-68	0.0713	50	1.602	5.45	44.707	6.387	5.283	2.406	1.226	44.707	4.709	141.00	122.49	2365	2365	2.715	94.534	-2.190	1.391	5.848	0.860	70.4
1400S350-97	0.1017	50	2.262	7.70	62.507	8.930	5.257	3.296	1.207	62.507	8.189	245.18	201.25	6939	6939	7.799	130.430	-2.156	1.373	5.808	0.862	70.0
1400S350-118	0.1242	50	2.742	9.33	75.200	10.743	5.237	3.903	1.193	75.200	10.260	340.44 <sup>2</sup>	282.84	12745	11287	14.099	155.387	-2.130	1.360	5.778	0.864	66.1
1600S162-68 <sup>1</sup>	0.0713	50	1.406	4.78	40.913	5.114	5.394	0.268	0.436	35.986	3.624	108.49	81.87	2062	2062	2.383	14.816	-0.601	0.415	5.445	0.988	28.6
1600S162-97	0.1017	50	1.983	6.75	56.824	7.103	5.354	0.347	0.418	53.725	5.738	171.79	142.80	6043	6043	6.835	19.807	-0.577	0.401	5.401	0.989	27.9
1600S162-118	0.1242	50	2.400	8.17	68.014	8.502	5.323	0.393	0.405	66.535	7.399	221.51	193.72	11088	11088	12.342	23.035	-0.559	0.391	5.368	0.989	27.3
1600S200-68 <sup>1</sup>	0.0713	50	1.477	5.03	45.291	5.661	5.537	0.506	0.585	40.523	4.045	121.11	96.27	2062	2062	2.503	27.155	-0.862	0.584	5.634	0.977	37.1
1600S200-97	0.1017	50	2.084	7.09	63.050	7.881	5.500	0.670	0.567	59.933	6.500	194.61	164.99	6043	6043	7.186	36.744	-0.835	0.569	5.592	0.978	36.4
1600S200-118	0.1242	50	2.525	8.59	75.601	9.450	5.472	0.773	0.553	74.084	8.331	249.44	221.86	11088	11088	12.981	43.132	-0.815	0.558	5.560	0.979	35.9
1600S250-68 <sup>1</sup>	0.0713	50	1.549	5.27	49.814	6.227	5.672	0.889	0.758	45.550	4.092	122.51	104.63	2062	2062	2.624	46.230	-1.167	0.778	5.840	0.960	46.5
1600S250-97	0.1017	50	2.186	7.44	69.476	8.685	5.638	1.192	0.738	66.577	6.983	209.06	178.60	6043	6043	7.536	63.082	-1.138	0.762	5.799	0.962	45.9
1600S250-118	0.1242	50	2.649	9.01	83.427	10.428	5.612	1.389	0.724	81.923	9.222	276.12	240.07	11088	11088	13.620	74.524	-1.116	0.750	5.768	0.963	45.4
1600S300-68 <sup>1</sup>	0.0713	50	1.620	5.51	54.336	6.792	5.792	1.411	0.933	49.107	4.210	126.04	110.54	2062	2062	2.745	71.608	-1.494	0.981	6.054	0.939	55.8
1600S300-97	0.1017	50	2.288	7.78	75.903	9.488	5.760	1.909	0.914	72.666	7.391	221.28	188.32	6043	6043	7.887	98.275	-1.463	0.964	6.013	0.941	55.1
1600S300-118	0.1242	50	2.773	9.44	91.253	11.407	5.737	2.239	0.899	89.913	9.835	294.48	253.24	11088	11088	14.258	116.606	-1.439	0.951	5.982	0.942	54.7
1600S350-68 <sup>1</sup>	0.0713	50	1.745	5.94	61.622	7.703	5.943	2.490	1.195	57.437	5.180	155.08	138.99	2062	2062	2.957	127.370	-2.055	1.322	6.401	0.897	69.7
1600S350-97	0.1017	50	2.466	8.39	86.270	10.784	5.915	3.410	1.176	83.691	8.382	250.96	230.33	6043	6043	8.501	175.896	-2.022	1.304	6.361	0.899	69.1
1600S350-118	0.1242	50	2.990	10.18	103.892	12.987	5.894	4.038	1.162	102.530	11.305	338.47	304.57	11088	11088	15.376	209.692	-1.998	1.291	6.331	0.900	68.8

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

<sup>2</sup>Allowable moment includes cold work of forming.

See Table Notes on page 7.

## SUPREME Structural (SFS) Section Properties

Section	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties						Torsional Properties						Lu (in)
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Mal (in-k)	Mad (in-k)	Vag (lb)	VaNet (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)	β	
250SFS162-33EQS	0.0295	57	0.191	0.65	0.202	0.162	1.029	0.075	0.626	0.195	0.134	4.57	4.17	978	471	0.055	0.127	-1.475	0.863	1.905	0.400	33.4
250SFS162-43EQS	0.0400	57	0.257	0.88	0.270	0.216	1.025	0.100	0.622	0.270	0.185	6.32	6.26	1798	636	0.137	0.166	-1.463	0.856	1.892	0.402	33.4
250SFS200-43EQS	0.0400	57	0.297	1.01	0.320	0.256	1.038	0.177	0.771	0.311	0.215	7.34	7.14	1798	636	0.159	0.344	-1.920	1.104	2.315	0.312	39.4
350SFS162-33EQS	0.0295	57	0.220	0.75	0.436	0.249	1.407	0.085	0.619	0.425	0.179	6.10	6.02	696	390	0.064	0.239	-1.330	0.799	2.032	0.572	32.5
350SFS162-43EQS	0.0400	57	0.297	1.01	0.585	0.334	1.402	0.112	0.615	0.585	0.257	8.78	9.12	1738	715	0.159	0.315	-1.318	0.792	2.020	0.574	32.3
350SFS200-43EQS	0.0400	57	0.337	1.15	0.688	0.393	1.429	0.200	0.771	0.675	0.301	10.28	10.33	1738	715	0.180	0.617	-1.754	1.035	2.389	0.461	38.4
362SFS162-33EQS	0.0295	57	0.224	0.76	0.473	0.261	1.452	0.086	0.618	0.462	0.186	6.34	6.25	670	402	0.065	0.257	-1.314	0.792	2.054	0.591	32.4
362SFS162-43EQS	0.0400	57	0.302	1.03	0.634	0.350	1.448	0.114	0.613	0.634	0.267	9.12	9.48	1674	737	0.161	0.338	-1.302	0.785	2.042	0.593	32.3
362SFS200-43EQS	0.0400	57	0.342	1.16	0.746	0.412	1.476	0.203	0.770	0.732	0.314	10.70	10.74	1674	737	0.183	0.659	-1.735	1.027	2.404	0.479	38.4
400SFS162-33EQS	0.0295	57	0.235	0.80	0.593	0.297	1.589	0.088	0.613	0.581	0.206	7.04	6.95	604	433	0.068	0.314	-1.269	0.771	2.124	0.643	32.2
400SFS162-43EQS	0.0400	57	0.317	1.08	0.796	0.398	1.584	0.118	0.609	0.796	0.298	10.16	10.57	1508	795	0.169	0.413	-1.258	0.765	2.112	0.645	32.0
400SFS200-43EQS	0.0400	57	0.357	1.22	0.935	0.467	1.617	0.210	0.767	0.919	0.350	11.94	11.96	1508	795	0.191	0.795	-1.682	1.004	2.456	0.531	38.2
550SFS162-33EQS	0.0295	57	0.279	0.95	1.249	0.454	2.115	0.098	0.591	1.235	0.333	11.36	9.72	433	433	0.081	0.615	-1.119	0.700	2.464	0.794	31.5
550SFS162-43EQS	0.0400	57	0.377	1.28	1.679	0.611	2.110	0.130	0.587	1.679	0.515	17.59	14.95	1079	944	0.201	0.813	-1.108	0.694	2.454	0.796	31.3
550SFS200-43EQS	0.0400	57	0.417	1.42	1.951	0.709	2.162	0.234	0.748	1.933	0.589	20.10	16.90	1079	944	0.223	1.516	-1.502	0.921	2.737	0.699	37.7
600SFS162-33EQS	0.0295	57	0.294	1.00	1.535	0.512	2.285	0.100	0.583	1.522	0.363	12.38	10.62	395	395	0.085	0.743	-1.078	0.680	2.592	0.827	31.3
600SFS162-43EQS	0.0400	57	0.397	1.35	2.065	0.688	2.280	0.133	0.579	2.065	0.559	19.08	16.37	986	976	0.212	0.983	-1.067	0.673	2.583	0.829	31.1
600SFS200-43EQS	0.0400	57	0.437	1.49	2.390	0.797	2.338	0.240	0.741	2.374	0.640	21.85	18.54	986	976	0.233	1.822	-1.452	0.897	2.850	0.741	37.5
800SFS162-43EQS	0.0400	57	0.477	1.62	4.128	1.032	2.941	0.143	0.548	3.870	0.706	24.11	21.67	732	732	0.255	1.862	-0.931	0.603	3.133	0.912	30.4
800SFS200-43EQS	0.0400	57	0.517	1.76	4.721	1.180	3.021	0.261	0.710	4.721	0.848	28.94	24.89	732	732	0.276	3.400	-1.283	0.814	3.358	0.854	36.9

See Table Notes on page 7.



# Track (T) Section Properties



Section	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties				Torsional Properties						
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Ma (in-k)	Vag (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)	β
362T200-33	0.0346	33	0.264	0.90	0.619	0.328	1.532	0.110	0.645	0.464	0.190	3.76	1024	0.105	0.269	-1.270	0.754	2.092	0.631
362T200-43	0.0451	33	0.343	1.17	0.808	0.427	1.534	0.142	0.643	0.649	0.270	5.34	1739	0.233	0.350	-1.265	0.752	2.090	0.633
362T200-54	0.0566	50	0.431	1.47	1.024	0.536	1.541	0.177	0.640	0.832	0.345	10.34	3372	0.460	0.442	-1.259	0.748	2.091	0.637
362T200-68	0.0713	50	0.543	1.85	1.307	0.675	1.552	0.221	0.638	1.138	0.480	14.37	4703	0.919	0.564	-1.250	0.743	2.093	0.643
362T200-97	0.1017	50	0.773	2.63	1.917	0.963	1.575	0.308	0.631	1.839	0.803	24.06	6622	2.666	0.825	-1.232	0.732	2.097	0.655
362T250-43	0.0451	33	0.389	1.32	0.966	0.510	1.577	0.260	0.818	0.713	0.282	5.56	1739	0.264	0.641	-1.702	0.990	2.460	0.521
362T250-54	0.0566	50	0.488	1.66	1.225	0.641	1.585	0.324	0.816	0.914	0.360	10.77	3372	0.521	0.812	-1.695	0.986	2.460	0.525
362T250-68	0.0713	50	0.614	2.09	1.565	0.808	1.597	0.406	0.813	1.259	0.503	15.04	4703	1.040	1.038	-1.686	0.980	2.460	0.530
362T250-97	0.1017	50	0.875	2.98	2.300	1.155	1.621	0.570	0.807	2.070	0.851	25.49	6622	3.016	1.524	-1.667	0.969	2.461	0.541
400T125-18 <sup>1</sup>	0.0188	33	0.122	0.41	0.297	0.144	1.560	0.017	0.374	0.241	0.072	1.42	153	0.014	0.052	-0.637	0.400	1.726	0.864
400T125-30	0.0312	33	0.203	0.69	0.495	0.239	1.562	0.028	0.371	0.427	0.176	3.49	689	0.066	0.085	-0.632	0.397	1.726	0.866
400T125-33	0.0346	33	0.225	0.76	0.549	0.265	1.563	0.031	0.371	0.484	0.201	3.97	940	0.090	0.095	-0.630	0.396	1.725	0.867
400T125-43	0.0451	33	0.293	1.00	0.716	0.344	1.563	0.040	0.369	0.666	0.282	5.57	1739	0.198	0.122	-0.626	0.394	1.724	0.868
400T125-54	0.0566	50	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.849	0.359	10.74	3372	0.392	0.154	-0.621	0.390	1.727	0.871
400T125-68	0.0713	50	0.462	1.57	1.150	0.541	1.577	0.061	0.363	1.134	0.488	14.62	5205	0.783	0.194	-0.614	0.386	1.731	0.874
400T125-97	0.1017	50	0.659	2.24	1.673	0.768	1.594	0.084	0.357	1.673	0.768	23	7337	2.271	0.28	-0.60	0.377	1.74	0.881
400T150-30	0.0312	33	0.218	0.74	0.561	0.271	1.603	0.046	0.461	0.458	0.183	3.61	689	0.071	0.140	-0.823	0.508	1.859	0.804
400T150-33	0.0346	33	0.242	0.82	0.622	0.300	1.603	0.051	0.460	0.519	0.208	4.12	940	0.097	0.155	-0.821	0.507	1.859	0.805
400T150-43	0.0451	33	0.315	1.07	0.811	0.390	1.604	0.066	0.458	0.719	0.293	5.80	1739	0.214	0.200	-0.817	0.504	1.857	0.807
400T150-54	0.0566	50	0.396	1.35	1.025	0.489	1.610	0.082	0.456	0.918	0.374	11.19	3372	0.422	0.252	-0.811	0.501	1.860	0.810
400T150-68	0.0713	50	0.498	1.69	1.306	0.615	1.619	0.102	0.453	1.237	0.513	15.35	5205	0.844	0.320	-0.804	0.496	1.864	0.814
400T150-97	0.1017	50	0.710	2.41	1.903	0.874	1.638	0.141	0.447	1.903	0.832	24.92	7337	2.447	0.463	-0.788	0.487	1.872	0.823
400T200-33	0.0346	33	0.277	0.94	0.768	0.371	1.666	0.113	0.639	0.581	0.220	4.34	940	0.110	0.336	-1.229	0.737	2.166	0.678
400T200-43	0.0451	33	0.360	1.23	1.002	0.482	1.668	0.146	0.637	0.811	0.311	6.14	1739	0.244	0.436	-1.224	0.734	2.164	0.680
400T200-54	0.0566	50	0.452	1.54	1.268	0.604	1.675	0.182	0.635	1.037	0.397	11.88	3372	0.483	0.551	-1.217	0.730	2.165	0.684
400T200-68	0.0713	50	0.569	1.94	1.617	0.761	1.685	0.227	0.632	1.412	0.549	16.42	5205	0.965	0.702	-1.209	0.725	2.168	0.689
400T200-97	0.1017	50	0.811	2.76	2.363	1.085	1.707	0.317	0.625	2.268	0.911	27.28	7337	2.797	1.022	-1.192	0.715	2.173	0.699
400T250-43	0.0451	33	0.406	1.38	1.193	0.573	1.715	0.268	0.813	0.888	0.324	6.40	1739	0.275	0.799	-1.653	0.970	2.517	0.569
400T250-54	0.0566	50	0.509	1.73	1.511	0.720	1.723	0.335	0.811	1.137	0.414	12.38	3372	0.543	1.011	-1.646	0.966	2.517	0.572
400T250-68	0.0713	50	0.641	2.18	1.928	0.908	1.735	0.418	0.808	1.559	0.574	17.19	5205	1.086	1.289	-1.637	0.961	2.518	0.578
400T250-97	0.1017	50	0.913	3.11	2.824	1.296	1.759	0.588	0.802	2.546	0.965	28.89	7337	3.148	1.886	-1.618	0.950	2.521	0.588
550T125-18 <sup>1,3</sup>	0.0188	33	0.150	0.51	0.627	0.223	2.044	0.018	0.349	-	-	-	-	0.018	0.108	-0.547	0.354	2.144	0.935
550T125-30	0.0312	33	0.250	0.85	1.045	0.370	2.046	0.030	0.347	0.897	0.226	4.47	499	0.081	0.176	-0.542	0.351	2.145	0.936
550T125-33	0.0346	33	0.277	0.94	1.159	0.410	2.046	0.033	0.346	1.029	0.270	5.33	680	0.110	0.195	-0.541	0.350	2.145	0.936
550T125-43	0.0451	33	0.360	1.23	1.510	0.533	2.047	0.043	0.344	1.428	0.416	8.23	1504	0.244	0.252	-0.537	0.348	2.144	0.937
550T125-54	0.0566	50	0.452	1.54	1.903	0.668	2.052	0.053	0.342	1.811	0.535	16.01	2980	0.483	0.315	-0.532	0.345	2.147	0.939
550T125-68	0.0713	50	0.569	1.94	2.412	0.839	2.058	0.066	0.339	2.379	0.769	23.02	5350	0.965	0.397	-0.526	0.341	2.152	0.940
550T125-97	0.1017	50	0.811	2.76	3.483	1.19	2.072	0.09	0.333	3.483	1.19	35.62	10197	2.797	0.564	-0.514	0.333	2.161	0.943
550T150-30	0.0312	33	0.265	0.90	1.168	0.414	2.098	0.050	0.435	0.995	0.251	4.96	499	0.086	0.289	-0.715	0.455	2.259	0.900
550T150-33	0.0346	33	0.294	1.00	1.295	0.459	2.099	0.055	0.434	1.115	0.310	6.12	680	0.117	0.320	-0.714	0.455	2.259	0.900
550T150-43	0.0451	33	0.383	1.30	1.688	0.596	2.099	0.072	0.432	1.516	0.468	9.25	1504	0.260	0.414	-0.709	0.452	2.258	0.901
550T150-54	0.0566	50	0.480	1.63	2.128	0.747	2.105	0.089	0.430	1.928	0.595	17.81	2980	0.513	0.519	-0.704	0.449	2.261	0.903
550T150-68	0.0713	50	0.605	2.06	2.699	0.939	2.112	0.110	0.427	2.569	0.804	24.07	5350	1.025	0.655	-0.698	0.445	2.265	0.905
550T150-97	0.1017	50	0.862	2.93	3.904	1.333	2.128	0.153	0.421	3.904	1.278	38.27	10197	2.973	0.937	-0.684	0.436	2.275	0.909
550T200-33	0.0346	33	0.329	1.12	1.567	0.555	2.184	0.123	0.613	1.246	0.307	6.06	680	0.131	0.694	-1.088	0.674	2.516	0.813
550T200-43	0.0451	33	0.428	1.46	2.043	0.722	2.185	0.160	0.611	1.690	0.495	9.79	1504	0.290	0.900	-1.083	0.671	2.514	0.814
550T200-54	0.0566	50	0.537	1.83	2.578	0.905	2.191	0.199	0.609	2.153	0.630	18.86	2980	0.573	1.133	-1.077	0.668	2.517	0.817
550T200-68	0.0713	50	0.676	2.30	3.274	1.139	2.200	0.248	0.606	2.894	0.857	25.67	5350	1.146	1.434	-1.070	0.663	2.521	0.820
550T200-97	0.1017	50	0.964	3.28	4.746	1.621	2.219	0.347	0.6	4.566	1.391	41.64	10197	3.323	2.067	-1.055	0.653	2.529	0.826
550T250-43	0.0451	33	0.473	1.61	2.399	0.848	2.252	0.295	0.790	1.841	0.516	10.20	1504	0.321	1.643	-1.484	0.899	2.810	0.721
550T250-54	0.0566	50	0.594	2.02	3.029	1.063	2.259	0.368	0.788	2.346	0.657	19.66	2980	0.634	2.070	-1.478	0.895	2.812	0.724
550T250-68	0.0713	50	0.748	2.54	3.849	1.339	2.269	0.460	0.785	3.173	0.897	26.86	5350	1.267	2.627	-1.470	0.890	2.815	0.727
550T250-97	0.1017	50	1.066	3.63	5.588	1.908	2.290	0.646	0.779	5.073	1.470	44.01	10197	3.674	3.801	-1.453	0.880	2.822	0.735

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

<sup>2</sup>Allowable moment includes cold work of forming.

<sup>3</sup>Where web height-to-thickness ratio exceeds 260 or flange width-to-thickness ratio exceeds 60, effective properties are not calculated. See AISI S100 Section B1. Application of these products in a non-composite design shall be approved by a design professional.

See Table Notes on page 14.





# Track (T) Section Properties



Section	Design Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties				Torsional Properties						
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ixe (in <sup>4</sup> )	Sxe (in <sup>3</sup> )	Ma (in-k)	Vag (lb)	Jx1000 (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)	β
1200T125-54 <sup>1</sup>	0.0566	50	0.820	2.79	13.335	2.186	4.033	0.060	0.271	11.460	1.286	38.51	1354	0.876	1.820	-0.333	0.230	4.055	0.993
1200T125-68	0.0713	50	1.033	3.51	16.826	2.747	4.036	0.074	0.268	15.686	1.934	57.90	2713	1.750	2.270	-0.329	0.227	4.059	0.993
1200T125-97	0.1017	50	1.472	5.01	24.078	3.897	4.044	0.102	0.263	23.751	3.442	103.06	7902	5.076	3.171	-0.322	0.222	4.065	0.994
1200T125-118	0.1242	50	1.798	6.12	29.472	4.740	4.049	0.121	0.260	29.472	4.490	134.44	14434	9.243	3.812	-0.316	0.218	4.070	0.994
1200T150-54 <sup>1</sup>	0.0566	50	0.848	2.89	14.378	2.357	4.117	0.103	0.348	12.020	1.313	39.31	1354	0.906	3.033	-0.454	0.310	4.156	0.988
1200T150-68	0.0713	50	1.068	3.64	18.148	2.963	4.121	0.127	0.345	16.566	1.987	59.48	2713	1.810	3.795	-0.450	0.307	4.160	0.988
1200T150-97	0.1017	50	1.523	5.18	25.987	4.206	4.130	0.176	0.340	25.719	3.616	108.27	7902	5.252	5.335	-0.441	0.301	4.168	0.989
1200T150-118	0.1242	50	1.860	6.33	31.825	5.119	4.137	0.210	0.336	31.825	4.865	145.66	14434	9.562	6.444	-0.435	0.296	4.173	0.989
1200T200-54 <sup>1</sup>	0.0566	50	0.905	3.08	16.464	2.699	4.265	0.236	0.510	12.962	1.350	40.41	1354	0.966	6.714	-0.730	0.487	4.357	0.972
1200T200-68	0.0713	50	1.140	3.88	20.791	3.395	4.271	0.294	0.508	18.026	2.058	61.62	2713	1.931	8.431	-0.725	0.483	4.362	0.972
1200T200-97	0.1017	50	1.625	5.53	29.805	4.824	4.283	0.410	0.502	28.959	3.819	114.35	7902	5.602	11.945	-0.714	0.476	4.371	0.973
1200T200-118	0.1242	50	1.984	6.75	36.530	5.876	4.291	0.492	0.498	36.530	5.278	158.02	14434	10.201	14.513	-0.706	0.471	4.377	0.974
1200T250-54 <sup>1</sup>	0.0566	50	0.962	3.27	18.550	3.041	4.392	0.445	0.681	13.756	1.374	41.14	1354	1.027	12.339	-1.039	0.680	4.565	0.948
1200T250-68	0.0713	50	1.211	4.12	23.435	3.826	4.399	0.556	0.678	19.255	2.106	63.04	2713	2.052	15.529	-1.033	0.676	4.569	0.949
1200T250-97	0.1017	50	1.727	5.88	33.623	5.442	4.413	0.780	0.672	31.310	3.954	118.37	7902	5.953	22.101	-1.021	0.668	4.579	0.950
1200T250-118	0.1242	50	2.108	7.17	41.236	6.632	4.423	0.940	0.668	39.954	5.519	165.24	14434	10.839	26.943	-1.013	0.662	4.586	0.951
1400T125-54 <sup>1</sup>	0.0566	50	0.933	3.18	19.977	2.814	4.627	0.061	0.256	16.407	1.517	45.42	1160	0.997	2.559	-0.299	0.209	4.643	0.996
1400T125-68	0.0713	50	1.175	4.00	25.196	3.536	4.630	0.076	0.254	22.620	2.293	68.64	2322	1.992	3.189	-0.296	0.206	4.646	0.996
1400T125-97	0.1017	50	1.676	5.70	36.024	5.019	4.636	0.104	0.249	34.588	4.134	123.76	6761	5.778	4.445	-0.289	0.201	4.652	0.996
1400T125-118	0.1242	50	2.046	6.96	44.068	6.106	4.641	0.123	0.245	43.752	5.453	163.27	12344	10.520	5.334	-0.284	0.197	4.656	0.996
1400T150-54 <sup>1</sup>	0.0566	50	0.962	3.27	21.392	3.013	4.717	0.105	0.330	17.153	1.547	46.33	1160	1.027	4.280	-0.410	0.283	4.746	0.993
1400T150-68	0.0713	50	1.211	4.12	26.987	3.788	4.721	0.130	0.327	23.803	2.352	70.42	2322	2.052	5.349	-0.407	0.280	4.749	0.993
1400T150-97	0.1017	50	1.727	5.88	38.607	5.379	4.729	0.180	0.322	37.285	4.332	129.69	6761	5.953	7.503	-0.399	0.275	4.756	0.993
1400T150-118	0.1242	50	2.108	7.17	47.247	6.546	4.734	0.214	0.319	46.911	5.887	176.24	12344	10.839	9.048	-0.393	0.270	4.761	0.993
1400T200-54 <sup>1</sup>	0.0566	50	1.018	3.46	24.221	3.412	4.878	0.242	0.487	18.387	1.589	47.56	1160	1.087	9.520	-0.665	0.449	4.947	0.982
1400T200-68	0.0713	50	1.282	4.36	30.571	4.291	4.883	0.301	0.485	25.738	2.432	72.81	2322	2.173	11.942	-0.661	0.446	4.951	0.982
1400T200-97	0.1017	50	1.828	6.22	43.773	6.098	4.893	0.420	0.479	41.749	4.559	136.48	6761	6.304	16.883	-0.651	0.439	4.959	0.983
1400T200-118	0.1242	50	2.232	7.60	53.606	7.427	4.900	0.504	0.475	53.453	6.354	190.23	12344	11.478	20.479	-0.644	0.434	4.965	0.983
1400T250-54 <sup>1</sup>	0.0566	50	1.075	3.66	27.051	3.811	5.017	0.458	0.653	19.421	1.616	48.38	1160	1.148	17.550	-0.954	0.633	5.149	0.966
1400T250-68	0.0713	50	1.354	4.61	34.154	4.794	5.023	0.573	0.651	27.352	2.485	74.40	2322	2.294	22.063	-0.949	0.629	5.153	0.966
1400T250-97	0.1017	50	1.930	6.57	48.939	6.818	5.036	0.803	0.645	44.883	4.708	140.94	6761	6.654	31.333	-0.938	0.622	5.163	0.967
1400T250-118	0.1242	50	2.357	8.02	59.965	8.308	5.045	0.967	0.641	58.277	6.622	198.25	12344	12.117	38.137	-0.930	0.616	5.169	0.968
1600T125-68	0.0713	50	1.318	4.48	35.916	4.421	5.220	0.077	0.241	31.004	2.651	79.37	2030	2.233	4.273	-0.268	0.189	5.233	0.997
1600T125-97	0.1017	50	1.879	6.39	51.322	6.276	5.226	0.105	0.237	47.830	4.825	144.47	5908	6.479	5.945	-0.262	0.184	5.238	0.997
1600T125-118	0.1242	50	2.294	7.81	62.755	7.637	5.230	0.125	0.233	60.930	6.420	192.21	10783	11.797	7.126	-0.257	0.181	5.241	0.998
1600T150-68	0.0713	50	1.354	4.61	38.249	4.708	5.316	0.132	0.312	32.537	2.717	81.34	2030	2.294	7.188	-0.371	0.258	5.338	0.995
1600T150-97	0.1017	50	1.930	6.57	54.681	6.686	5.323	0.182	0.307	51.382	5.047	151.11	5908	6.654	10.066	-0.363	0.253	5.344	0.995
1600T150-118	0.1242	50	2.357	8.02	66.886	8.140	5.328	0.218	0.304	65.023	6.911	206.91	10783	12.117	12.124	-0.358	0.249	5.348	0.996
1600T200-68	0.0713	50	1.425	4.85	42.914	5.282	5.488	0.307	0.464	35.009	2.805	83.99	2030	2.415	16.123	-0.607	0.414	5.541	0.988
1600T200-97	0.1017	50	2.032	6.91	61.398	7.508	5.497	0.428	0.459	57.292	5.298	158.62	5908	7.005	22.755	-0.598	0.408	5.549	0.988
1600T200-118	0.1242	50	2.481	8.44	75.146	9.145	5.504	0.514	0.455	73.613	7.433	222.53	10783	12.755	27.568	-0.592	0.403	5.554	0.989
1600T250-68 <sup>1</sup>	0.0713	50	1.496	5.09	47.580	5.856	5.639	0.586	0.626	37.060	2.864	85.75	2030	2.535	29.878	-0.878	0.588	5.741	0.977
1600T250-97	0.1017	50	2.134	7.26	68.116	8.329	5.650	0.821	0.620	61.325	5.461	163.51	5908	7.355	42.361	-0.868	0.581	5.750	0.977
1600T250-118	0.1242	50	2.605	8.86	83.406	10.150	5.659	0.989	0.616	79.965	7.727	231.83	10783	13.394	51.497	-0.860	0.576	5.757	0.978

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

<sup>2</sup>Allowable moment includes cold work of forming.

<sup>3</sup>Where web height-to-thickness ratio exceeds 260 or flange width-to-thickness ratio exceeds 60, effective properties are not calculated. See AISI S100 Section B1. Application of these products in a non-composite design shall be approved by a design professional.

See Table Notes on page 14.

## SUPREME Track (SFT) Section Properties

Section	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties				Torsional Properties					
			Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xe</sub> (in <sup>4</sup> )	S <sub>xe</sub> (in <sup>3</sup> )	Ma (in-k)	Vag (lb)	J <sub>x</sub> 1000 (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	β
162SFT125-D25 <sup>2</sup>	0.0155	57	0.064	0.22	0.034	0.04	0.733	0.011	0.412	0.022	-	0.37	215	0.005	0.006	-0.88	0.500	1.220	0.480
162SFT125-D20	0.0188	57	0.077	0.26	0.042	0.048	0.733	0.013	0.411	0.029	0.023	0.79	394	0.009	0.007	-0.878	0.503	1.215	0.478
162SFT125-D24	0.0235	57	0.097	0.33	0.052	0.06	0.734	0.016	0.410	0.038	0.031	1.06	621	0.018	0.009	-0.874	0.502	1.213	0.481
162SFT150-D25 <sup>2</sup>	0.0155	57	0.072	0.244	0.040	0.046	0.748	0.018	0.497	-	-	-	-	0.006	0.010	-1.107	0.626	1.425	0.397
162SFT150-D20 <sup>2</sup>	0.0188	57	0.087	0.300	0.049	0.056	0.749	0.021	0.496	-	-	-	-	0.010	0.012	-1.105	0.625	1.424	0.398
162SFT150-D24	0.0235	57	0.109	0.370	0.061	0.070	0.749	0.027	0.496	0.041	0.032	1.09	621	0.020	0.014	-1.102	0.623	1.422	0.399
250SFT125-D25 <sup>2</sup>	0.0155	57	0.078	0.260	0.086	0.066	1.051	0.012	0.400	0.054	-	0.61	137	0.006	0.015	-0.770	0.460	1.360	0.680
250SFT125-D20	0.0188	57	0.094	0.320	0.104	0.079	1.051	0.015	0.400	0.078	0.036	1.23	249	0.011	0.018	-0.769	0.460	1.362	0.681
250SFT125-D24	0.0235	57	0.118	0.400	0.130	0.099	1.052	0.019	0.399	0.100	0.053	1.80	478	0.022	0.023	-0.765	0.458	1.361	0.684
250SFT125-33EQS	0.0295	57	0.148	0.500	0.164	0.124	1.053	0.023	0.398	0.130	0.077	2.61	944	0.043	0.028	-0.762	0.457	1.359	0.685
250SFT125-43EQS	0.0400	57	0.200	0.680	0.222	0.167	1.053	0.031	0.396	0.186	0.114	3.88	1798	0.107	0.038	-0.758	0.454	1.356	0.688
250SFT150-D25 <sup>2</sup>	0.0155	57	0.085	0.290	0.099	0.075	1.076	0.02	0.488	-	-	-	-	0.007	0.024	-0.983	0.578	1.537	0.591
250SFT150-D20 <sup>2</sup>	0.0188	57	0.104	0.350	0.120	0.092	1.077	0.025	0.488	-	-	-	-	0.012	0.03	-0.981	0.577	1.536	0.592
250SFT150-D24	0.0235	57	0.129	0.440	0.150	0.114	1.077	0.031	0.487	0.108	0.052	1.79	478	0.024	0.037	-0.979	0.576	1.535	0.593
250SFT150-33EQS	0.0295	57	0.162	0.520	0.189	0.143	1.078	0.038	0.486	0.141	0.079	2.70	944	0.047	0.046	-0.976	0.574	1.533	0.595
250SFT150-43EQS	0.0400	57	0.220	0.750	0.256	0.193	1.079	0.052	0.484	0.202	0.118	4.02	1798	0.117	0.062	-0.971	0.572	1.530	0.597
250SFT200-D20 <sup>2</sup>	0.0188	57	0.122	0.420	0.152	0.116	1.114	0.053	0.661	-	-	-	-	0.014	0.064	-1.427	0.082	1.927	4.520
250SFT200-D24 <sup>2</sup>	0.0235	57	0.153	0.520	0.190	0.144	1.115	0.067	0.660	-	-	-	-	0.028	0.080	-1.424	0.816	1.926	4.453
250SFT200-33EQS <sup>2</sup>	0.0295	57	0.192	0.650	0.239	0.181	1.116	0.083	0.659	-	-	-	-	0.056	0.101	-1.421	0.814	1.923	4.454
250SFT200-43EQS	0.0400	57	0.260	0.880	0.314	0.244	1.117	0.112	0.657	0.229	0.124	4.22	1798	0.139	0.136	-1.416	0.812	1.919	4.456
350SFT125-D25 <sup>2</sup>	0.0155	57	0.093	0.320	0.181	0.100	1.395	0.014	0.383	0.114	-	0.91	-	0.007	0.032	-0.680	0.420	1.600	0.820
350SFT125-D20	0.0188	57	0.113	0.380	0.219	0.121	1.394	0.017	0.383	0.173	0.051	1.73	175	0.013	0.038	-0.675	0.418	1.595	0.821
350SFT125-D24	0.0235	57	0.141	0.480	0.275	0.151	1.396	0.021	0.381	0.221	0.074	2.51	338	0.026	0.048	-0.673	0.417	1.595	0.822
350SFT125-33EQS	0.0295	57	0.177	0.600	0.345	0.190	1.396	0.026	0.38	0.286	0.114	3.87	668	0.051	0.060	-0.670	0.415	1.595	0.823
350SFT125-43EQS	0.0400	57	0.240	0.820	0.467	0.256	1.396	0.034	0.378	0.404	0.184	6.28	1661	0.128	0.080	-0.666	0.413	1.592	0.825
350SFT150-D25 <sup>2</sup>	0.0155	57	0.101	0.343	0.206	0.114	1.43	0.023	0.472	-	-	-	-	0.008	0.052	-0.875	0.532	1.742	0.748
350SFT150-D20 <sup>2</sup>	0.0188	57	0.122	0.420	0.250	0.138	1.431	0.027	0.472	-	-	-	-	0.014	0.063	-0.873	0.531	1.741	0.749
350SFT150-D24	0.0235	57	0.153	0.520	0.313	0.172	1.431	0.034	0.471	0.238	0.074	2.51	338	0.028	0.078	-0.871	0.530	1.74	0.749
350SFT150-33EQS	0.0295	57	0.192	0.650	0.393	0.216	1.432	0.042	0.47	0.308	0.113	3.85	668	0.056	0.098	-0.868	0.529	1.739	0.751
350SFT150-43EQS	0.0400	57	0.260	0.880	0.533	0.292	1.432	0.057	0.468	0.437	0.191	6.5	1661	0.139	0.132	-0.864	0.526	1.736	0.753
350SFT200-D20 <sup>2</sup>	0.0188	57	0.141	0.480	0.311	0.172	1.485	0.060	0.649	-	-	-	-	0.017	0.136	-1.293	0.765	2.073	0.611
350SFT200-D24 <sup>2</sup>	0.0235	57	0.176	0.600	0.389	0.215	1.486	0.074	0.649	-	-	-	-	0.033	0.170	-1.291	0.763	2.072	0.612
350SFT200-33EQS <sup>2</sup>	0.0295	57	0.221	0.750	0.489	0.269	1.487	0.093	0.647	-	-	-	-	0.064	0.213	-1.288	0.762	2.071	0.613
350SFT200-43EQS	0.0400	57	0.300	1.020	0.664	0.363	1.487	0.125	0.646	0.494	0.201	6.85	1661	0.160	0.287	-1.283	0.759	2.067	0.615
362SFT125-D25 <sup>2</sup>	0.0155	57	0.095	0.320	0.196	0.105	1.437	0.014	0.381	0.123	-	0.95	-	0.008	0.034	-0.670	0.410	1.630	0.830
362SFT125-D20	0.0188	57	0.115	0.390	0.237	0.126	1.436	0.017	0.380	0.188	0.053	1.80	169	0.014	0.042	-0.665	0.413	1.627	0.833
362SFT125-D24	0.0235	57	0.144	0.490	0.297	0.158	1.437	0.021	0.379	0.240	0.076	2.60	326	0.027	0.052	-0.663	0.412	1.628	0.834
362SFT125-33EQS	0.0295	57	0.181	0.610	0.374	0.199	1.438	0.026	0.378	0.311	0.117	4.00	644	0.052	0.065	-0.66	0.411	1.627	0.835
362SFT125-43EQS	0.0400	57	0.245	0.830	0.506	0.268	1.438	0.035	0.376	0.439	0.194	6.61	1603	0.131	0.087	-0.656	0.408	1.625	0.837
362SFT150-D25 <sup>2</sup>	0.0155	57	0.103	0.350	0.223	0.119	1.473	0.023	0.470	-	-	-	-	0.008	0.056	-0.863	0.527	1.771	0.763
362SFT150-D20 <sup>2</sup>	0.0188	57	0.125	0.420	0.271	0.144	1.474	0.028	0.470	-	-	-	-	0.015	0.067	-0.861	0.526	1.770	0.763
362SFT150-D24	0.0235	57	0.156	0.530	0.338	0.180	1.474	0.034	0.469	0.258	0.076	2.60	326	0.029	0.085	-0.859	0.525	1.769	0.764
362SFT150-33EQS	0.0295	57	0.195	0.660	0.425	0.226	1.475	0.043	0.468	0.335	0.117	3.98	644	0.057	0.106	-0.857	0.523	1.768	0.765
362SFT150-43EQS	0.0400	57	0.265	0.900	0.576	0.305	1.475	0.057	0.466	0.474	0.201	6.85	1603	0.141	0.142	-0.852	0.521	1.766	0.767
362SFT200-D20 <sup>2</sup>	0.0188	57	0.143	0.490	0.336	0.179	1.53	0.06	0.648	-	-	-	-	0.017	0.147	-1.278	0.759	2.096	0.628
362SFT200-D24 <sup>2</sup>	0.0235	57	0.179	0.610	0.420	0.224	1.531	0.075	0.647	-	-	-	-	0.033	0.184	-1.276	0.758	2.095	0.629
362SFT200-33EQS <sup>2</sup>	0.0295	57	0.225	0.770	0.528	0.281	1.532	0.094	0.646	-	-	-	-	0.065	0.230	-1.273	0.756	2.094	0.630
362SFT200-43EQS	0.0400	57	0.305	1.040	0.716	0.379	1.532	0.126	0.644	0.536	0.208	7.10	1603	0.163	0.310	-1.268	0.753	2.090	0.632

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

<sup>2</sup>Web height-to-thickness ratio exceeds 260 or flange width-to-thickness ratio exceeds 60. Section is not in compliance with AISI S100 Section B1, so effective properties are not provided.

See Table Notes on page 14.

## SUPREME Track (SFT) Section Properties

Section	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties				Torsional Properties					
			Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xe</sub> (in <sup>4</sup> )	S <sub>xe</sub> (in <sup>3</sup> )	Ma (in-k)	Vag (lb)	J <sub>x</sub> 1000 (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	β
400SFT125-D25 <sup>2</sup>	0.0155	57	0.101	0.430	0.246	0.119	1.561	0.014	0.374	0.153	-	1.08	-	0.008	0.043	-0.64	0.400	1.730	0.860
400SFT125-D20 <sup>1</sup>	0.0188	57	0.122	0.420	0.297	0.144	1.560	0.017	0.374	0.239	0.058	1.98	153	0.014	0.052	-0.637	0.400	1.726	0.864
400SFT125-D24	0.0235	57	0.153	0.520	0.373	0.181	1.562	0.021	0.373	0.305	0.084	2.87	295	0.028	0.065	-0.635	0.399	1.727	0.865
400SFT125-33EQS	0.0295	57	0.192	0.650	0.468	0.226	1.562	0.027	0.372	0.394	0.129	4.39	583	0.056	0.081	-0.632	0.397	1.726	0.866
400SFT125-43EQS	0.0400	57	0.260	0.880	0.634	0.305	1.562	0.036	0.370	0.556	0.224	7.65	1450	0.139	0.109	-0.628	0.395	1.724	0.867
400SFT150-D25 <sup>2</sup>	0.0155	57	0.109	0.370	0.278	0.135	1.601	0.023	0.464	-	-	-	-	0.009	0.070	-0.830	0.512	1.862	0.801
400SFT150-D20 <sup>2</sup>	0.0188	57	0.132	0.450	0.338	0.164	1.601	0.028	0.463	-	-	-	-	0.016	0.085	-0.828	0.511	1.861	0.802
400SFT150-D24	0.0235	57	0.153	0.520	0.373	0.181	1.562	0.021	0.373	0.305	0.084	2.87	295	0.028	0.065	-0.635	0.399	1.727	0.865
400SFT150-33EQS	0.0295	57	0.207	0.700	0.530	0.256	1.602	0.044	0.461	0.423	0.129	4.39	583	0.060	0.132	-0.824	0.508	1.860	0.804
400SFT150-43EQS	0.0400	57	0.280	0.950	0.719	0.346	1.603	0.059	0.459	0.598	0.232	7.92	1450	0.149	0.178	-0.819	0.506	1.858	0.806
400SFT200-D20 <sup>2</sup>	0.0188	57	0.151	0.510	0.417	0.202	1.664	0.062	0.642	-	-	-	-	0.018	0.184	-1.236	0.741	2.170	0.676
400SFT200-D24 <sup>2</sup>	0.0235	57	0.188	0.640	0.521	0.253	1.665	0.077	0.641	-	-	-	-	0.035	0.229	-1.234	0.740	2.169	0.676
400SFT200-33EQS <sup>2</sup>	0.0295	57	0.236	0.800	0.655	0.316	1.666	0.097	0.640	-	-	-	-	0.068	0.287	-1.231	0.738	2.168	0.678
400SFT200-43EQS	0.0400	57	0.320	1.090	0.888	0.428	1.666	0.130	0.638	0.674	0.229	7.82	1450	0.171	0.387	-1.226	0.735	2.165	0.679
550SFT125-D25 <sup>2</sup>	0.0155	57	0.124	0.422	0.519	0.185	2.046	0.015	0.350	-	-	-	-	0.010	0.089	-0.548	0.355	2.146	0.935
550SFT125-D20 <sup>2</sup>	0.0188	57	0.150	0.510	0.630	0.224	2.046	0.018	0.349	-	-	-	-	0.018	0.108	-0.546	0.354	2.146	0.935
550SFT125-D24 <sup>1</sup>	0.0235	57	0.188	0.640	0.787	0.28	2.046	0.023	0.348	0.568	0.113	3.99	213	0.035	0.134	-0.545	0.353	2.146	0.936
550SFT125-33EQS	0.0295	57	0.236	0.800	0.988	0.351	2.046	0.029	0.347	0.776	0.169	5.75	422	0.068	0.167	-0.542	0.352	2.145	0.936
550SFT125-43EQS	0.0400	57	0.320	1.090	1.339	0.474	2.046	0.038	0.345	1.160	0.284	9.70	1049	0.171	0.224	-0.539	0.349	2.144	0.937
550SFT150-D25 <sup>2</sup>	0.0155	57	0.132	0.449	0.580	0.207	2.098	0.025	0.438	-	-	-	-	0.011	0.145	-0.721	0.459	2.261	0.898
550SFT150-D20 <sup>2</sup>	0.0188	57	0.160	0.540	0.703	0.25	2.098	0.031	0.437	-	-	-	-	0.019	0.176	-0.720	0.458	2.260	0.899
550SFT150-D24 <sup>1</sup>	0.0235	57	0.200	0.680	0.879	0.312	2.098	0.038	0.437	0.653	0.116	3.97	213	0.037	0.219	-0.718	0.457	2.260	0.899
550SFT150-33EQS	0.0295	57	0.251	0.850	1.104	0.392	2.098	0.048	0.435	0.920	0.176	6.01	422	0.073	0.274	-0.715	0.456	2.259	0.900
550SFT150-43EQS	0.0400	57	0.340	1.160	1.496	0.529	2.099	0.064	0.433	1.291	0.313	10.70	1049	0.181	0.368	-0.712	0.453	2.258	0.901
550SFT200-D20 <sup>2</sup>	0.0188	57	0.179	0.610	0.851	0.303	2.182	0.068	0.616	-	-	-	-	0.021	0.380	-1.095	0.677	2.518	0.811
550SFT200-D24 <sup>2</sup>	0.0235	57	0.223	0.760	1.064	0.378	2.183	0.085	0.615	-	-	-	-	0.041	0.474	-1.093	0.676	2.517	0.812
550SFT200-33EQS <sup>2</sup>	0.0295	57	0.280	0.950	1.336	0.474	2.184	0.106	0.614	-	-	-	-	0.081	0.593	-1.090	0.675	2.516	0.812
550SFT200-43EQS	0.0400	57	0.380	1.290	1.811	0.641	2.184	0.142	0.612	1.441	0.313	10.67	1049	0.203	0.799	-1.086	0.672	2.514	0.814
600SFT125-D25 <sup>2</sup>	0.0155	57	0.132	0.449	0.640	0.209	2.203	0.016	0.342	-	-	-	-	0.011	0.108	-0.523	0.342	2.290	0.948
600SFT125-D20 <sup>2</sup>	0.0235	57	0.160	0.540	0.776	0.254	2.204	0.019	0.342	-	-	-	-	0.019	0.131	-0.522	0.341	2.290	0.948
600SFT125-D24 <sup>1</sup>	0.0235	57	0.200	0.680	0.970	0.317	2.204	0.023	0.341	0.690	0.124	4.24	195	0.037	0.163	-0.520	0.340	2.290	0.948
600SFT125-33EQS <sup>1</sup>	0.0295	57	0.251	0.850	1.218	0.397	2.204	0.029	0.34	0.946	0.185	6.31	386	0.073	0.204	-0.518	0.339	2.289	0.949
600SFT125-43EQS	0.0400	57	0.340	1.160	1.650	0.537	2.204	0.039	0.338	1.420	0.313	10.67	961	0.181	0.273	-0.515	0.336	2.288	0.949
600SFT150-D25 <sup>2</sup>	0.0155	57	0.140	0.475	0.712	0.233	2.259	0.026	0.430	-	-	-	-	0.011	0.177	-0.691	0.444	2.401	0.917
600SFT150-D20 <sup>2</sup>	0.0188	57	0.169	0.580	0.864	0.282	2.259	0.031	0.429	-	-	-	-	0.02	0.214	-0.690	0.443	2.401	0.917
600SFT150-D24 <sup>1</sup>	0.0235	57	0.212	0.720	1.080	0.352	2.259	0.039	0.428	0.721	0.126	4.28	195	0.039	0.267	-0.688	0.442	2.400	0.918
600SFT150-33EQS <sup>1</sup>	0.0295	57	0.266	0.900	1.355	0.442	2.260	0.049	0.427	0.993	0.187	6.39	386	0.077	0.334	-0.686	0.441	2.400	0.918
600SFT150-43EQS	0.0400	57	0.360	1.220	1.837	0.597	2.260	0.065	0.425	1.500	0.318	10.86	961	0.192	0.449	-0.682	0.438	2.398	0.919
600SFT200-D20 <sup>2</sup>	0.0188	57	0.188	0.640	1.039	0.339	2.350	0.069	0.607	-	-	-	-	0.022	0.464	-1.055	0.659	2.647	0.841
600SFT200-D24 <sup>2</sup>	0.0235	57	0.235	0.800	1.299	0.424	2.351	0.086	0.606	-	-	-	-	0.043	0.578	-1.053	0.658	2.646	0.842
600SFT200-33EQS <sup>2</sup>	0.0295	57	0.295	1.000	1.631	0.531	2.351	0.108	0.605	-	-	-	-	0.086	0.724	-1.050	0.656	2.645	0.842
600SFT200-43EQS	0.0400	57	0.400	1.360	2.210	0.719	2.352	0.145	0.603	1.780	0.341	11.62	961	0.213	0.976	-1.046	0.654	2.643	0.843
800SFT125-43EQS <sup>1</sup>	0.0400	57	0.420	1.430	3.345	0.821	2.823	0.041	0.312	2.794	0.426	14.54	718	0.224	0.525	-0.437	0.293	2.874	0.977
800SFT150-43EQS <sup>1</sup>	0.0400	57	0.440	1.500	3.674	0.902	2.891	0.069	0.396	2.906	0.433	14.77	718	0.235	0.865	-0.586	0.387	2.976	0.961
800SFT200-43EQS <sup>1</sup>	0.0400	57	0.480	1.630	4.332	1.063	3.005	0.156	0.570	3.127	0.442	15.07	718	0.256	1.887	-0.915	0.588	3.193	0.918

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

<sup>2</sup>Web height-to-thickness ratio exceeds 260 or flange width-to-thickness ratio exceeds 60. Section is not in compliance with AISI S100 Section B1, so effective properties are not provided.

See Table Notes on page 14.



# Interior Wall Heights - Composite

## Table Notes

1. Allowable composite limiting heights are calculated using ICC-ES AC86-2012.
2. No fasteners are required for attaching the stud to the track.
3. Stud end bearing must be a minimum of 1 inch.
4. Composite limiting heights are based on a single layer of 5/8" type X gypsum board installed in the vertical orientation to both sides of the wall over full height using minimum No. 6 Type S Drywall screws spaced a maximum of 12" oc for studs at 24" spacing, and 16" oc for studs at 16" and 12" spacing.

Section	Fy (ksi)	Spacing (in) oc	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162S125-18	33	12	13' 0" f	11' 1"	9' 10"	10' 8" f	9' 8"	8' 7"	9' 3" f	8' 9"	7' 9"
		16	11' 3" f	10' 1"	8' 11"	9' 3" f	8' 9"	7' 9"	8' 0" f	7' 11"	-
		24	9' 3" f	8' 9"	7' 9"	-	-	-	-	-	-
162S125-30	33	12	14' 11"	11' 10"	10' 4"	13' 1"	10' 4"	8' 11"	11' 10"	9' 4"	7' 11"
		16	13' 7"	10' 9"	9' 4"	11' 10"	9' 4"	7' 11"	10' 9"	8' 3"	-
		24	11' 10"	9' 4"	7' 11"	10' 4"	7' 11"	-	9' 4"	-	-
250S125-18	33	12	16' 4" f	14' 2"	12' 9"	13' 4" f	12' 4"	11' 2"	11' 7" f	11' 3"	10' 2"
		16	14' 2" f	12' 10"	11' 7"	11' 7" f	11' 3"	10' 2"	10' 0" f	10' 0" f	9' 0"
		24	11' 7" f	11' 3"	10' 2"	9' 5" f	9' 5" f	8' 6"	8' 2" f	8' 2" f	-
250S125-30	33	12	18' 5"	15' 10"	14' 1"	16' 1"	13' 10"	12' 4"	14' 7"	12' 7"	11' 2"
		16	16' 9"	14' 5"	12' 10"	14' 7"	12' 7"	11' 2"	13' 3"	11' 5"	10' 2"
		24	14' 7"	12' 7"	11' 2"	12' 9"	11' 0"	9' 9"	11' 7"	10' 0"	8' 8"
250S125-33	33	12	19' 8"	15' 8"	13' 8"	17' 3"	13' 8"	11' 11"	15' 8"	12' 5"	10' 10"
		16	17' 11"	14' 3"	12' 5"	15' 8"	12' 5"	10' 10"	14' 3"	11' 3"	9' 10"
		24	15' 8"	12' 5"	10' 10"	13' 8"	10' 10"	9' 5"	12' 4" f	9' 10"	8' 4"
350S125-18	33	12	18' 3" f	16' 4"	14' 4"	14' 11" f	14' 4"	12' 6"	12' 11" f	12' 11" f	11' 4"
		16	15' 10" f	14' 10"	13' 0"	12' 11" f	12' 11" f	11' 4"	11' 2" f	11' 2" f	10' 3"
		24	12' 11" f	12' 11" f	11' 4"	10' 7" f	10' 7" f	9' 11"	9' 2" f	9' 2" f	9' 0"
350S125-30	33	12	22' 6"	17' 11"	15' 8"	19' 8"	15' 8"	13' 8"	17' 11"	14' 2"	12' 4"
		16	20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 4"	16' 3"	12' 11"	11' 1"
		24	17' 11"	14' 2"	12' 4"	15' 8"	12' 4"	10' 7"	13' 9" f	11' 1"	-
350S125-33	33	12	23' 0"	18' 3"	15' 11"	20' 1"	15' 11"	13' 11"	18' 3"	14' 6"	12' 8"
		16	20' 11"	16' 7"	14' 6"	18' 3"	14' 6"	12' 8"	16' 7"	13' 2"	11' 4"
		24	18' 3"	14' 6"	12' 8"	15' 11"	12' 8"	10' 10"	14' 4" f	11' 4"	9' 8"
362S125-18	33	12	18' 8" f	16' 8"	14' 7"	15' 3" f	14' 7"	12' 9"	13' 2" f	13' 2" f	11' 6"
		16	16' 2" f	15' 2"	13' 3"	13' 2" f	13' 2" f	11' 6"	11' 5" f	11' 5" f	10' 4"
		24	13' 2" f	13' 2" f	11' 6"	10' 9" f	10' 9" f	9' 11"	9' 4" f	9' 4" f	8' 11"
362S125-30	33	12	22' 10"	18' 3"	16' 4"	19' 11"	16' 0"	14' 3"	18' 1"	14' 6"	12' 11"
		16	20' 8"	16' 7"	14' 10"	18' 1"	14' 6"	12' 11"	16' 5"	13' 2"	11' 6"
		24	18' 1"	14' 6"	12' 11"	15' 9" f	12' 8"	10' 11"	13' 8" f	11' 4"	-
362S125-33	33	12	24' 2"	19' 2"	16' 9"	21' 1"	16' 9"	14' 8"	19' 2"	15' 3"	13' 4"
		16	21' 11"	17' 5"	15' 3"	19' 2"	15' 3"	13' 4"	17' 5"	13' 10"	11' 11"
		24	19' 2"	15' 3"	13' 4"	16' 8" f	13' 4"	11' 4"	14' 5" f	11' 11"	10' 1"
400S125-18	33	12	19' 3" f	17' 6"	15' 4"	15' 9" f	15' 4"	13' 4"	13' 8" f	13' 8" f	12' 2"
		16	16' 8" f	15' 11"	13' 11"	13' 8" f	13' 8" f	12' 2"	11' 10" f	11' 10" f	11' 0"
		24	13' 8" f	13' 8" f	12' 2"	11' 2" f	11' 2" f	10' 7"	9' 8" f	9' 8" f	9' 7"
400S125-30	33	12	24' 6"	19' 5"	17' 0"	21' 5"	17' 0"	14' 10"	19' 5"	15' 5"	13' 6"
		16	22' 3"	17' 8"	15' 5"	19' 5"	15' 5"	13' 6"	17' 5" f	14' 0"	12' 2"
		24	19' 5"	15' 5"	13' 6"	16' 5" f	13' 6"	11' 7"	14' 2" f	12' 2"	10' 4"
400S125-33	33	12	25' 3"	20' 1"	17' 6"	22' 1"	17' 6"	15' 4"	20' 1"	15' 11"	13' 11"
		16	22' 11"	18' 3"	15' 11"	20' 1"	15' 11"	13' 11"	18' 3"	14' 5"	12' 7"
		24	20' 1"	15' 11"	13' 11"	17' 3" f	13' 11"	12' 0"	15' 0" f	12' 7"	10' 9"
550S125-18	33	12	21' 11" f	21' 11" f	19' 6"	17' 10" f	17' 10" f	17' 0"	15' 6" f	15' 6" f	15' 6" f
		16	19' 0" f	19' 0" f	17' 9"	15' 6" f	15' 6" f	15' 6" f	13' 5" f	13' 5" f	13' 5" f
		24	15' 6" f	15' 6" f	15' 6" f	12' 8" f	12' 8" f	12' 8" f	-	-	-
550S125-30	33	12	30' 5"	24' 10"	22' 0"	27' 0"	22' 0"	19' 5"	24' 10"	20' 2"	17' 10"
		16	28' 0"	22' 9"	20' 2"	24' 10" f	20' 2"	17' 10"	21' 7" f	18' 6"	16' 2"
		24	24' 10"	20' 2"	17' 10"	20' 4" f	17' 10"	15' 7"	17' 7" f	16' 2"	-
600S125-18	33	12	23' 2" f	22' 9"	19' 11"	18' 11" f	18' 11" f	17' 5"	16' 4" f	16' 4" f	15' 10"
		16	20' 1" f	20' 1" f	18' 1"	16' 4" f	16' 4" f	15' 10"	14' 2" f	14' 2" f	14' 2" f
		24	16' 4" f	16' 4" f	15' 10"	13' 4" f	13' 4" f	13' 4" f	-	-	-
600S125-30	33	12	34' 2"	27' 1"	23' 8"	28' 11" f	23' 8"	20' 8"	25' 0" f	21' 6"	18' 9"
		16	30' 8" f	24' 7"	21' 6"	25' 0" f	21' 6"	18' 9"	21' 8" f	19' 6"	17' 1"
		24	25' 0" f	21' 6"	18' 9"	20' 5" f	18' 9"	16' 5"	17' 8" f	17' 1"	-
600S125-33	33	12	35' 4"	28' 1"	24' 6"	30' 10"	24' 6"	21' 5"	27' 10" f	22' 3"	19' 5"
		16	32' 1" f	25' 6"	22' 3"	27' 10" f	22' 3"	19' 5"	24' 1" f	20' 3"	17' 8"
		24	27' 10" f	22' 3"	19' 5"	22' 9" f	19' 5"	16' 11"	19' 8" f	17' 8"	-

Note: "f" adjacent to the height value indicates that flexural stress controls the allowable wall height.

## Table Notes

1. Allowable composite limiting heights are calculated using ICC-ES AC86-2010. The  $\frac{1}{3}$  stress increase for strength was not used.
2. The gypsum board must be applied full height in the vertical orientation to each stud flange and installed using minimum #6 Type S drywall screws, per ICC-ESR2507 Section 4.2. and per IAPMO-UER 0313.
3. No fasteners are required for attaching the stud to the track.
4. Stud and bearing must be a minimum of 1".
5. Galvanizing to be G40 minimum for 10 PSF or less, and G60 minimum for greater than 10 PSF lateral loads.

SUPREME Interior Wall Heights Composite														
Section	Fy (ksi)	Spacing (in) oc	5 psf			7.5 psf			10 psf			15 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162SFS125-D25	57	12	13' 4"	10' 10"	9' 8"	11' 8"	9' 7"	8' 6"	10' 7"	8' 9"	-	-	-	-
		16	12' 1"	9' 12"	8' 10"	10' 7"	8' 9"	-	9' 7"	7' 11"	-	-	-	-
		24	10' 7"	8' 9"	-	9' 3"	-	-	8' 2" f	-	-	-	-	-
162SFS-D20	57	12	13' 7"	11' 1"	9' 9"	11' 11"	9' 9"	8' 6"	10' 10"	8' 10"	7' 9"	8' 2" f	7' 9"	-
		16	12' 4"	10' 1"	8' 10"	10' 10"	8' 10"	7' 9"	9' 10"	8' 1"	-	-	-	-
		24	10' 10"	8' 10"	7' 9"	9' 5"	7' 9"	-	8' 5"	-	-	-	-	-
162SFS-D24	57	12	13' 11"	11' 4"	10' 0"	12' 2"	9' 11"	8' 8"	11' 0"	9' 0"	7' 10"	8' 7" f	7' 9"	-
		16	12' 8"	10' 4"	9' 1"	11' 0"	9' 0"	7' 10"	10' 0"	8' 1"	-	-	-	-
		24	11' 0"	9' 0"	7' 10"	9' 7"	7" 9"	-	8' 6"	-	-	-	-	-
250SFS125-D25	57	12	15' 8"	13' 7"	12' 2"	13' 8"	11' 11"	10' 7"	12' 5"	10' 10"	9' 7"	8' 5" f	8' 5" f	8' 1"
		16	14' 3"	12' 4"	11' 0"	12' 5"	10' 10"	9' 7"	11' 1" f	9' 10"	8' 6"	-	-	-
		24	12' 5"	10' 10"	9' 7"	10' 5" f	9' 4"	8' 1"	9' 0" f	8' 4"	-	-	-	-
250SFS-D20	57	12	17' 1"	14' 0"	12' 5"	14' 11"	12' 3"	10' 10"	13' 7"	11' 1"	9' 10"	9' 5" f	9' 5" f	8' 2"
		16	15' 6"	12' 9"	11' 3"	13' 7"	11' 1"	9' 10"	12' 4"	10' 1"	8' 8"	8' 2" f	8' 2" f	-
		24	13' 7"	11' 1"	9' 10"	11' 8" f	9' 8"	8' 2"	10' 2" f	8' 7"	-	-	-	-
250SFS-D24	57	12	18' 2"	14' 5"	12' 7"	15' 10"	12' 7"	11' 0"	14' 5"	11' 5"	10' 0"	10' 3" f	10' 0"	8' 6"
		16	16' 6"	13' 1"	11' 5"	14' 5"	11' 5"	10' 0"	13' 1"	10' 5"	8' 11"	8' 11" f	8' 11" f	-
		24	14' 5"	11' 5"	10' 0"	12' 7"	10' 0"	8' 6"	11' 0" f	8' 11"	-	-	-	-
362SFS125-D25	57	12	21' 9"	17' 3"	15' 1"	18' 6" f	15' 1"	13' 2"	16' 1" f	13' 9"	12' 0"	10' 7" f	10' 7" f	10' 4"
		16	19' 8" f	15' 8"	13' 9"	16' 1" f	13' 9"	12' 0"	13' 11" f	12' 6"	10' 9"	9' 2" f	9' 2" f	9' 2" f
		24	16' 1" f	13' 9"	12' 0"	13' 1" f	12' 0"	10' 4"	11' 4" f	10' 9"	9' 3"	-	-	-
362SFS-D20	57	12	22' 4"	17' 9"	15' 6"	19' 6"	15' 6"	13' 7"	17' 3" f	14' 1"	12' 4"	11' 4" f	11' 4" f	10' 8"
		16	20' 4"	16' 1"	14' 1"	17' 3" f	14' 1"	12' 4"	15' 0" f	12' 10"	11' 1"	9' 10" f	9' 10" f	9' 7"
		24	17' 3" f	14' 1"	12' 4"	14' 1" f	12' 4"	10' 8"	12' 3" f	11' 1"	9' 7"	8' 0" f	8' 0" f	8' 0" f
362SFS-D24	57	12	23' 6"	18' 8"	16' 4"	20' 6"	16' 4"	14' 3"	18' 8"	14' 10"	12' 11"	12' 6" f	12' 6" f	11' 3"
		16	21' 4"	16' 11"	14' 10"	18' 8"	14' 10"	12' 11"	16' 5" f	13' 5"	11' 9"	10' 10" f	10' 10" f	10' 2"
		24	18' 8"	14' 10"	12' 11"	15' 6" f	12' 11"	11' 3"	13' 5" f	11' 9"	10' 2"	8' 10" f	8' 10" f	8' 9"
400SFS125-D25	57	12	21' 8"	17' 7"	15' 8"	18' 6" f	15' 4"	13' 9"	16' 0" f	14' 0"	12' 6"	10' 6" f	10' 6" f	10' 6" f
		16	19' 7" f	16' 0"	14' 3"	16' 0" f	14' 0"	12' 6"	13' 10" f	12' 8"	11' 4"	9' 1" f	9' 1" f	9' 1" f
		24	16' 0" f	14' 0"	12' 6"	13' 1" f	12' 2"	10' 11"	11' 4" f	11' 1"	9' 11"	-	-	-
400SFS-D20	57	12	23' 1"	18' 4"	16' 0"	20' 2"	16' 0"	14' 0"	17' 8" f	14' 6"	12' 8"	11' 7" f	11' 7" f	11' 1"
		16	21' 0"	16' 8"	14' 6"	17' 8" f	14' 6"	12' 8"	15' 3" f	13' 2"	11' 6"	10' 0" f	10' 0" f	10' 0"
		24	17' 8" f	14' 6"	12' 8"	14' 5" f	12' 8"	11' 1"	12' 6" f	11' 6"	10' 0"	8' 2" f	8' 2" f	8' 2" f
400SFS-D24	57	12	25' 0"	19' 10"	17' 4"	21' 10"	17' 4"	15' 2"	19' 8" f	15' 9"	13' 9"	12' 11" f	12' 11" f	12' 0"
		16	22' 9"	18' 1"	15' 9"	19' 8" f	15' 9"	13' 9"	17' 0" f	14' 4"	12' 6"	11' 2" f	11' 2" f	10' 11"
		24	19' 8" f	15' 9"	13' 9"	16' 0" f	13' 9"	12' 0"	13' 11" f	12' 6"	10' 11"	9' 2" f	9' 2" f	9' 2" f
600SFS125-D25	57	12	28' 8" f	24' 4"	21' 7"	23' 5" f	21' 3"	18' 10"	20' 3" f	19' 3"	17' 2"	13' 4" f	13' 4" f	13' 4" f
		16	24' 10" f	22' 1"	19' 8"	20' 3" f	19' 3"	17' 2"	17' 7"	17' 6"	15' 7"	-	-	-
		24	20' 3" f	19' 3"	17' 2"	16' 7" f	16' 7" f	14' 11"	14' 4" f	14' 4" f	13' 5"	-	-	-
600SFS-D20	57	12	31' 2"	24' 9"	21' 7"	25' 11" f	21' 7"	18' 10"	22' 6" f	19' 7"	17' 2"	14' 9" f	14' 9" f	14' 9" f
		16	27' 6" f	22' 6"	19' 7"	22' 6" f	19' 7"	17" 2"	19' 6" f	17' 10"	15' 7"	12' 9" f	12' 9" f	12' 9" f
		24	22' 6" f	19' 7"	17' 2"	18' 4" f	17' 2"	14' 10"	15' 11" f	15' 7"	13' 4"	-	-	-
600SFS-D24	57	12	33' 8"	26' 9"	23' 4"	28' 4" f	23' 4"	20' 5"	24' 6" f	21' 2"	18' 6"	16' 1" f	16' 1" f	16' 1" f
		16	30' 0" f	24' 3"	21' 2"	24' 6" f	21' 2"	18' 6"	21' 3" f	19' 3"	16' 10"	13' 11" f	13' 11" f	13' 11" f
		24	24' 6" f	21' 2"	18' 6"	20' 0" f	18' 6"	16' 2"	17' 4" f	16' 10"	14' 8"	-	-	-

"f" Flexural stress controls allowable height.

## 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 steel properties only (non-composite) without the contribution of sheathing to strength and stiffness of the assembly. Properly fastened sheathing is still required for members to be considered fully braced.
3. Web crippling check based on 1" end bearing.
4. Studs are assumed to be adequately braced at maximum spacing of  $L_u$  to develop full allowable moment.
5. See page 5 for additional table notes.

Section	F <sub>y</sub> (ksi)	L <sub>u</sub> (in)	Spacing (in) oc	5 psf			7.5 psf			10 psf		
				L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162S125-18	33	29.0	12	9' 0"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	6' 4"	6' 1"	5' 4"
			16	7' 9"	6' 11"	6' 1"	6' 4"	6' 1"	5' 4"	5' 6"	5' 6"	4' 10"
			24	6' 4"	6' 1"	5' 4"	5' 2"	5' 2"	4' 8"	4' 6"	4' 6"	4' 3"
162S125-30	33	29.2	12	11' 8"	9' 3"	8' 1"	10' 2"	8' 1"	7' 1"	8' 11"	7' 4"	6' 5"
			16	10' 7"	8' 5"	7' 4"	8' 11"	7' 4"	6' 5"	7' 9"	6' 8"	5' 10"
			24	8' 11"	7' 4"	6' 5"	7' 3"	6' 5"	5' 7"	6' 4"	5' 10"	5' 1"
162S125-33	33	29.2	12	12' 0"	9' 6"	8' 4"	10' 6"	8' 4"	7' 3"	9' 6"	7' 7"	6' 7"
			16	10' 11"	8' 8"	7' 7"	9' 6"	7' 7"	6' 7"	8' 3"	6' 11"	6' 0"
			24	9' 6"	7' 7"	6' 7"	7' 10"	6' 7"	5' 9"	6' 9"	6' 0"	5' 3"
250S125-18	33	29.0	12	11' 8"	10' 6"	9' 2"	9' 7"	9' 2"	8' 1"	8' 3"	8' 3"	7' 4"
			16	10' 2"	9' 7"	8' 4"	8' 3"	8' 3"	7' 4"	7' 2"	7' 2"	6' 8"
			24	8' 3"	8' 3"	7' 4"	6' 9"	6' 9"	6' 5"	5' 10" <sup>e</sup>	5' 10" <sup>e</sup>	5' 10" <sup>e</sup>
250S125-30	33	28.9	12	16' 1"	12' 9"	11' 2"	13' 7"	11' 2"	9' 9"	11' 10"	10' 2"	8' 10"
			16	14' 5"	11' 7"	10' 2"	11' 10"	10' 2"	8' 10"	10' 3"	9' 2"	8' 1"
			24	11' 10"	10' 2"	8' 10"	9' 8"	8' 10"	7' 9"	8' 4"	8' 1"	7' 0"
250S125-33	33	28.9	12	16' 7"	13' 2"	11' 6"	14' 6"	11' 6"	10' 1"	12' 8"	10' 6"	9' 2"
			16	15' 1"	12' 0"	10' 6"	12' 8"	10' 6"	9' 2"	11' 0"	9' 6"	8' 4"
			24	12' 8"	10' 6"	9' 2"	10' 4"	9' 2"	8' 0"	8' 11"	8' 4"	7' 3"
250S125-43	33	28.9	12	18' 1"	14' 4"	12' 6"	15' 10"	12' 6"	10' 11"	14' 4"	11' 5"	9' 11"
			16	16' 5"	13' 0"	11' 5"	14' 4"	11' 5"	9' 11"	13' 0"	10' 4"	9' 0"
			24	14' 4"	11' 5"	9' 11"	12' 4"	9' 11"	8' 8"	10' 8"	9' 0"	7' 11"
350S125-18	33	28.8	12	13' 9"	13' 9"	12' 1"	11' 3"	11' 3"	10' 7"	9' 9"	9' 9"	9' 7"
			16	11' 11"	11' 11"	11' 0"	9' 9"	9' 9"	9' 7"	8' 5" <sup>e</sup>	8' 5" <sup>e</sup>	8' 5" <sup>e</sup>
			24	9' 9"	9' 9"	9' 7"	7' 11" <sup>e</sup>	7' 11" <sup>e</sup>	7' 11" <sup>e</sup>	6' 11" <sup>e</sup>	6' 11" <sup>e</sup>	6' 11" <sup>e</sup>
350S125-30	33	28.6	12	19' 11"	16' 7"	14' 6"	16' 3"	14' 6"	12' 8"	14' 1"	13' 2"	11' 6"
			16	17' 3"	15' 0"	13' 2"	14' 1"	13' 2"	11' 6"	12' 2"	11' 11"	10' 5"
			24	14' 1"	13' 2"	11' 6"	11' 6"	11' 6"	10' 0"	9' 11"	9' 11"	9' 1"
350S125-33	33	28.6	12	21' 5"	17' 1"	14' 11"	17' 6"	14' 11"	13' 1"	15' 2"	13' 7"	11' 10"
			16	18' 7"	15' 7"	13' 7"	15' 2"	13' 7"	11' 10"	13' 2"	12' 4"	10' 9"
			24	15' 2"	13' 7"	11' 10"	12' 5"	11' 10"	10' 4"	10' 9"	10' 9"	9' 5"
350S125-43	33	28.4	12	23' 6"	18' 8"	16' 3"	20' 6"	16' 3"	14' 3"	18' 5"	14' 10"	12' 11"
			16	21' 4"	16' 11"	14' 10"	18' 5"	14' 10"	12' 11"	16' 0"	13' 5"	11' 9"
			24	18' 5"	14' 10"	12' 11"	15' 1"	12' 11"	11' 4"	13' 0"	11' 9"	10' 3"
350S125-54	50	22.9	12	25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
			16	22' 10"	18' 1"	15' 10"	19' 11"	15' 10"	13' 10"	18' 1"	14' 4"	12' 7"
			24	19' 11"	15' 10"	13' 10"	17' 5"	13' 10"	12' 1"	15' 10"	12' 7"	11' 0"
350S125-68	50	22.8	12	26' 10"	21' 4"	18' 7"	23' 5"	18' 7"	16' 3"	21' 4"	16' 11"	14' 9"
			16	24' 5"	19' 4"	16' 11"	21' 4"	16' 11"	14' 9"	19' 4"	15' 4"	13' 5"
			24	21' 4"	16' 11"	14' 9"	18' 7"	14' 9"	12' 11"	16' 11"	13' 5"	11' 9"
362S125-18	33	28.8	12	14' 0"	14' 0"	12' 6"	11' 6"	11' 6"	10' 11"	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>
			16	12' 2"	12' 2"	11' 4"	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	8' 7" <sup>e</sup>	8' 7" <sup>e</sup>	8' 7" <sup>e</sup>
			24	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	9' 11" <sup>e</sup>	8' 1" <sup>e</sup>	8' 1" <sup>e</sup>	8' 1" <sup>e</sup>	7' 0" <sup>e</sup>	7' 0" <sup>e</sup>	7' 0" <sup>e</sup>
362S125-30	33	28.6	12	20' 3"	17' 0"	14' 10"	16' 7"	14' 10"	13' 0"	14' 4"	13' 6"	11' 10"
			16	17' 7"	15' 6"	13' 6"	14' 4"	13' 6"	11' 10"	12' 5"	12' 3"	10' 9"
			24	14' 4"	13' 6"	11' 10"	11' 8"	11' 8"	10' 4"	10' 2"	10' 2"	9' 4"
362S125-33	33	28.5	12	21' 11"	17' 7"	15' 4"	17' 10"	15' 4"	13' 5"	15' 6"	14' 0"	12' 2"
			16	18' 11"	16' 0"	14' 0"	15' 6"	14' 0"	12' 2"	13' 5"	12' 8"	11' 1"
			24	15' 6"	14' 0"	12' 2"	12' 8"	12' 2"	10' 8"	10' 11"	10' 11"	9' 8"
362S125-43	33	28.4	12	24' 2"	19' 2"	16' 9"	21' 1"	16' 9"	14' 8"	18' 10"	15' 3"	13' 4"
			16	21' 11"	17' 5"	15' 3"	18' 10"	15' 3"	13' 4"	16' 4"	13' 10"	12' 1"
			24	18' 10"	15' 3"	13' 4"	15' 4"	13' 4"	11' 7"	13' 4"	12' 1"	10' 7"
362S125-54	50	22.8	12	25' 10"	20' 6"	17' 11"	22' 7"	17' 11"	15' 8"	20' 6"	16' 3"	14' 2"
			16	23' 5"	18' 7"	16' 3"	20' 6"	16' 3"	14' 2"	18' 7"	14' 9"	12' 11"
			24	20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 5"	16' 3"	12' 11"	11' 3"
362S125-68	50	22.7	12	27' 7"	21' 11"	19' 2"	24' 1"	19' 2"	16' 9"	21' 11"	17' 5"	15' 2"
			16	25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"	19' 11"	15' 10"	13' 10"
			24	21' 11"	17' 5"	15' 2"	19' 2"	15' 2"	13' 3"	17' 5"	13' 10"	12' 1"

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

"e" web stiffeners required at ends.

# Interior Wall Limiting Heights - Non-Composite - Fully Braced



Section	F <sub>y</sub> (ksi)	L <sub>w</sub> (in)	Spacing (in) oc	5 psf			7.5 psf			10 psf		
				L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
400S125-18 <sup>1</sup>	33	28.7	12	14' 9" <sup>e</sup>	14' 9" <sup>e</sup>	13' 6" <sup>e</sup>	12' 1" <sup>e</sup>	12' 1" <sup>e</sup>	11' 9" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>
			16	12' 10" <sup>e</sup>	12' 10" <sup>e</sup>	12' 3" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	9' 1" <sup>e</sup>	9' 1" <sup>e</sup>	9' 1" <sup>e</sup>
			24	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	10' 5" <sup>e</sup>	8' 6" <sup>e</sup>	8' 6" <sup>e</sup>	8' 6" <sup>e</sup>	7' 5" <sup>e</sup>	7' 5" <sup>e</sup>	7' 5" <sup>e</sup>
400S125-30	33	28.5	12	21' 5"	18' 5"	16' 1"	17' 6"	16' 1"	14' 0"	15' 2"	14' 7"	12' 9"
			16	18' 6"	16' 8"	14' 7"	15' 2"	14' 7"	12' 9"	13' 1"	13' 1"	11' 7"
			24	15' 2"	14' 7"	12' 9"	12' 4"	12' 4"	11' 2"	10' 8"	10' 8"	10' 1"
400S125-33	33	28.4	12	23' 2"	19' 0"	16' 7"	18' 11"	16' 7"	14' 6"	16' 4"	15' 1"	13' 2"
			16	20' 0"	17' 3"	15' 1"	16' 4"	15' 1"	13' 2"	14' 2"	13' 9"	12' 0"
			24	16' 4"	15' 1"	13' 2"	13' 4"	13' 2"	11' 6"	11' 7"	11' 7"	10' 6"
400S125-43	33	28.2	12	26' 1"	20' 9"	18' 1"	22' 10"	18' 1"	15' 10"	19' 11"	16' 5"	14' 4"
			16	23' 9"	18' 10"	16' 5"	19' 11"	16' 5"	14' 4"	17' 3"	14' 11"	13' 1"
			24	19' 11"	16' 5"	14' 4"	16' 3"	14' 4"	12' 7"	14' 1"	13' 1"	11' 5"
400S125-54	50	22.7	12	27' 11"	22' 2"	19' 4"	24' 5"	19' 4"	16' 11"	22' 2"	17' 7"	15' 4"
			16	25' 4"	20' 2"	17' 7"	22' 2"	17' 7"	15' 4"	20' 2"	16' 0"	13' 11"
			24	22' 2"	17' 7"	15' 4"	19' 4"	15' 4"	13' 5"	17' 7"	13' 11"	12' 2"
400S125-68	50	22.5	12	29' 10"	23' 8"	20' 8"	26' 1"	20' 8"	18' 1"	23' 8"	18' 10"	16' 5"
			16	27' 2"	21' 6"	18' 10"	23' 8"	18' 10"	16' 5"	21' 6"	17' 1"	14' 11"
			24	23' 8"	18' 10"	16' 5"	20' 8"	16' 5"	14' 4"	18' 10"	14' 11"	13' 0"
550S125-30	33	27.9	12	25' 8"	23' 9"	20' 10"	21' 0"	20' 8"	18' 2"	18' 2"	18' 2"	16' 6"
			16	22' 3"	21' 6"	18' 11"	18' 2"	18' 2"	16' 6"	15' 9"	15' 9"	14' 11"
			24	18' 2"	18' 2"	16' 6"	14' 10"	14' 10"	14' 4"	12' 10" <sup>e</sup>	12' 10" <sup>e</sup>	12' 10" <sup>e</sup>
550S125-33	33	27.8	12	27' 9"	24' 8"	21' 6"	22' 8"	21' 6"	18' 10"	19' 8"	19' 6"	17' 1"
			16	24' 1"	22' 4"	19' 7"	19' 8"	19' 6"	17' 1"	17' 0"	17' 0"	15' 6"
			24	19' 8"	19' 6"	17' 1"	16' 0"	16' 0"	14' 11"	13' 11"	13' 11"	13' 6"
550S125-43	33	27.6	12	33' 9"	26' 10"	23' 5"	27' 8"	23' 5"	20' 5"	24' 0"	21' 3"	18' 7"
			16	29' 4"	24' 4"	21' 3"	24' 0"	21' 3"	18' 7"	20' 9"	19' 4"	16' 11"
			24	24' 0"	21' 3"	18' 7"	19' 7"	18' 7"	16' 3"	16' 11"	16' 11"	14' 9"
550S125-54	50	22.1	12	36' 2"	28' 9"	25' 1"	31' 7"	25' 1"	21' 11"	28' 9"	22' 9"	19' 11"
			16	32' 10"	26' 1"	22' 9"	28' 9"	22' 9"	19' 11"	26' 1"	20' 8"	18' 1"
			24	28' 9"	22' 9"	19' 11"	25' 1"	19' 11"	17' 5"	22' 9"	18' 1"	15' 10"
550S125-68	50	21.8	12	38' 8"	30' 8"	26' 10"	33' 9"	26' 10"	23' 5"	30' 8"	24' 4"	21' 3"
			16	35' 2"	27' 11"	24' 4"	30' 8"	24' 4"	21' 3"	27' 11"	22' 2"	19' 4"
			24	30' 8"	24' 4"	21' 3"	26' 10"	21' 3"	18' 7"	24' 4"	19' 4"	16' 11"
600S125-30	33	27.6	12	26' 10"	25' 2"	22' 0"	21' 11"	21' 11"	19' 3"	18' 11"	18' 11"	17' 6"
			16	23' 3"	22' 11"	20' 0"	18' 11"	18' 11"	17' 6"	16' 5"	16' 5"	15' 10"
			24	18' 11"	18' 11"	17' 6"	15' 6"	15' 6"	15' 3"	13' 5" <sup>e</sup>	13' 5" <sup>e</sup>	13' 5" <sup>e</sup>
600S125-33	33	27.6	12	29' 0"	26' 2"	22' 10"	23' 8"	22' 10"	19' 11"	20' 6"	20' 6"	18' 1"
			16	25' 2"	23' 9"	20' 9"	20' 6"	20' 6"	18' 1"	17' 9"	17' 9"	16' 6"
			24	20' 6"	20' 6"	18' 1"	16' 9"	16' 9"	15' 10"	14' 6"	14' 6"	14' 5"
600S125-43	33	27.3	12	35' 6"	28' 9"	25' 1"	29' 0"	25' 1"	21' 11"	25' 1"	22' 10"	19' 11"
			16	30' 9"	26' 1"	22' 10"	25' 1"	22' 10"	19' 11"	21' 9"	20' 9"	18' 1"
			24	25' 1"	22' 10"	19' 11"	20' 6"	19' 11"	17' 5"	17' 9"	17' 9"	15' 10"
600S125-54	50	21.9	12	38' 9"	30' 9"	26' 10"	33' 10"	26' 10"	23' 6"	30' 9"	24' 5"	21' 4"
			16	35' 3"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 5"
			24	30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 8"	24' 1"	19' 5"	16' 11"
600S125-68	50	21.6	12	41' 7"	33' 0"	28' 10"	36' 4"	28' 10"	25' 2"	33' 0"	26' 2"	22' 10"
			16	37' 9"	30' 0"	26' 2"	33' 0"	26' 2"	22' 10"	30' 0"	23' 9"	20' 9"
			24	33' 0"	26' 2"	22' 10"	28' 10"	22' 10"	20' 0"	26' 2"	20' 9"	18' 2"
800S125-43	33	26.3	12	40' 11"	36' 1"	31' 6"	33' 5"	31' 6"	27' 6"	28' 11"	28' 8"	25' 0"
			16	35' 5"	32' 9"	28' 8"	28' 11"	28' 8"	25' 0"	25' 1"	25' 1"	22' 9"
			24	28' 11"	28' 8"	25' 0"	23' 8"	23' 8"	21' 10"	20' 6"	20' 6"	19' 10"
800S125-54	50	21.1	12	48' 10"	38' 9"	33' 10"	42' 8"	33' 10"	29' 7"	38' 9"	30' 9"	26' 10"
			16	44' 4"	35' 2"	30' 9"	38' 9"	30' 9"	26' 10"	34' 1"	27' 11"	24' 5"
			24	38' 9"	30' 9"	26' 10"	32' 1"	26' 10"	23' 6"	27' 10"	24' 5"	21' 4"
800S125-68	50	20.8	12	52' 10"	41' 11"	36' 8"	46' 2"	36' 8"	32' 0"	41' 11"	33' 4"	29' 1"
			16	48' 0"	38' 1"	33' 4"	41' 11"	33' 4"	29' 1"	38' 1"	30' 3"	26' 5"
			24	41' 11"	33' 4"	29' 1"	36' 8"	29' 1"	25' 5"	33' 3"	26' 5"	23' 1"

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

"e" web stiffeners required at ends.

See Table Notes on page 22.

## 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. Web crippling check is based on 1" end bearing.
3. Allowable moment is the lesser of  $M_{ai}$  and  $M_{ad}$ . Stud distortional buckling based on an assumed  $K\phi = 0$ .
4. Limiting heights are based on steel properties only (non-composite) without the contribution of sheathing to strengthen and stiffen the assembly. Properly fastened sheathing is still required for members to be considered fully braced.
5. See page 5 for additional table notes.

SUPREME Interior Wall Heights - Non-Composite - Fully Braced												
Section	F <sub>y</sub> (ksi)	L <sub>u</sub>	Spacing (in) oc	5 psf			7.5 psf			10 psf		
				L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162SFS125-D25	57	24.4	12	9' 4"	-	-	-	-	-	-	-	-
			16	8' 1"	-	-	-	-	-	-	-	-
			24	-	-	-	-	-	-	-	-	-
162SFS-D20	57	29.1	12	10' 5"	8' 3"	-	9' 1"	-	-	-	-	-
			16	9' 5"	-	-	-	-	-	-	-	-
			24	-	-	-	-	-	-	-	-	-
162SFS-D24	57	29.0	12	11' 0"	8' 9"	-	9' 8"	-	-	8' 9"	-	-
			16	10' 0"	-	-	8' 9"	-	-	-	-	-
			24	8' 9"	-	-	-	-	-	-	-	-
250SFS125-D25	57	24.0	12	12' 10"	10' 2"	8' 11"	10' 6"	8' 11"	-	9' 1"	8' 1"	-
			16	11' 2"	9' 3"	8' 1"	9' 1"	8' 1"	-	-	-	-
			24	9' 1"	8' 1"	-	-	-	-	-	-	-
250SFS-D20	57	28.1	12	14' 4"	11' 4"	9' 11"	12' 4"	9' 11"	8' 8"	10' 8"	9' 0"	-
			16	13' 0"	10' 4"	9' 0"	10' 8"	9' 0"	-	9' 3"	8' 2"	-
			24	10' 8"	9' 0"	-	8' 9"	-	-	-	-	-
250SFS-D24	57	28.0	12	15' 4"	12' 2"	10' 7"	13' 5"	10' 7"	9' 3"	12' 2"	9' 8"	8' 5"
			16	13' 11"	11' 1"	9' 8"	12' 2"	9' 8"	8' 5"	11' 1"	8' 9"	-
			24	12' 2"	9' 8"	8' 5"	10' 7"	8' 5"	-	9' 5"	-	-
350SFS125-D25 <sup>1</sup>	57	23.6	12	14' 4"	12' 11"	11' 3"	11' 8"	11' 3"	9' 10"	10' 1"	10' 1"	8' 11"
			16	12' 5"	11' 9"	10' 3"	10' 1"	10' 1"	8' 11"	8' 9"	8' 9"	8' 1"
			24	10' 1"	10' 1"	8' 11"	8' 3"	8' 3"	-	-	-	-
350SFS-D20	57	27.6	12	17' 11"	14' 7"	12' 8"	14' 7"	12' 8"	11' 1"	12' 8"	11' 7"	10' 1"
			16	15' 6"	13' 3"	11' 7"	12' 8"	11' 7"	10' 1"	10' 11"	10' 6"	9' 2"
			24	12' 8"	11' 7"	10' 1"	10' 4"	10' 1"	8' 10"	8' 11"e	8' 11"e	8' 0"
350SFS-D24	57	27.6	12	19' 11"	15' 10"	13' 10"	17' 5"	13' 10"	12' 1"	15' 10"	12' 7"	10' 11"
			16	18' 1"	14' 4"	12' 7"	15' 10"	12' 7"	10' 11"	13' 9"	11' 5"	9' 11"
			24	15' 10"	12' 7"	10' 11"	13' 0"	10' 11"	9' 7"	11' 3"	9' 11"	8' 8"
362SFS125-D25 <sup>1</sup>	57	23.6	12	14' 6"	13' 5"	11' 9"	11' 10"	11' 8"	10' 3"	10' 3"	10' 3"	9' 4"
			16	12' 7"	12' 2"	10' 8"	10' 3"	10' 3"	9' 4"	8' 11"	8' 11"	8' 5"
			24	10' 3"	10' 3"	9' 4"	8' 5"	8' 5"	8' 1"	-	-	-
362SFS-D20	57	27.6	12	18' 4"	15' 2"	13' 3"	14' 11"	13' 2"	11' 7"	12' 11"	11' 11"	10' 6"
			16	15' 10"	13' 9"	12' 0"	12' 11"	11' 11"	10' 6"	11' 3"	10' 9"	9' 7"
			24	12' 11"	11' 11"	10' 6"	10' 7"	10' 4"	9' 2"	9' 2" e	9' 2" e	8' 3"
362SFS-D24	57	27.5	12	20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 5"	16' 3"	12' 11"	11' 3"
			16	18' 7"	14' 9"	12' 11"	16' 3"	12' 11"	11' 3"	14' 1"	11' 9"	10' 3"
			24	16' 3"	12' 11"	11' 3"	13' 3"	11' 3"	9' 10"	11' 6"	10' 3"	8' 11"

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

"e" Web stiffeners required at ends.



## SUPREME Interior Wall Heights - Non-Composite - Fully Braced

Section	F <sub>y</sub> (ksi)	L <sub>w</sub>	Spacing (in) oc	5 psf			7.5 psf			10 psf		
				L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
400SFS125-D25 <sup>1</sup>	57	23.4	12	15' 0"	14' 1"	12' 4"	12' 3"	12' 3"	10' 9"	10' 7"	10' 7"	9' 9"
			16	13' 0"	12' 10"	11' 2"	10' 7"	10' 7"	9' 9"	9' 2"	9' 2"	8' 10"
			24	10' 7"	10' 7"	9' 9"	8' 8"	8' 8"	8' 6"	-	-	-
400SFS-D20 <sup>1</sup>	57	27.5	12	19' 5"	16' 0"	14' 0"	15' 11"	14' 0"	12' 3"	13' 9"	12' 9"	11' 1"
			16	16' 10"	14' 7"	12' 9"	13' 9"	12' 9"	11' 1"	11' 11"	11' 7"	10' 1"
			24	13' 9"	12' 9"	11' 1"	11' 3"	11' 1"	9' 8"	9' 8"	9' 9"	8' 10"
400SFS-D24	57	27.4	12	22' 2"	17' 7"	15' 4"	19' 4"	15' 4"	13' 5"	17' 1"	13' 11"	12' 2"
			16	20' 2"	16' 0"	13' 11"	17' 1"	13' 11"	12' 2"	14' 10"	12' 8"	11' 1"
			24	17' 1"	13' 11"	12' 2"	13' 11"	12' 2"	10' 8"	12' 1"	11' 1"	9' 8"
550SFS-D24 <sup>1</sup>	57	26.9	12	28' 5"	22' 8"	19' 10"	23' 3"	19' 10"	17' 4"	20' 1"	18' 0"	15' 9"
			16	24' 8"	20' 7"	18' 0"	20' 1"	18' 0"	15' 9"	17' 5"	16' 4"	14' 3"
			24	20' 1"	18' 0"	15' 9"	16' 5"	15' 9"	13' 9"	14' 2"	14' 2"	12' 6"
600SFS-D24 <sup>1</sup>	57	26.7	12	29' 8"	23' 7"	20' 8"	24' 2"	20' 8"	18' 0"	20' 11"	18' 9"	16' 4"
			16	25' 8"	21' 5"	18' 9"	20' 11"	18' 9"	16' 4"	18' 2"	17' 0"	14' 10"
			24	20' 11"	18' 9"	16' 4"	17' 1"	16' 4"	14' 3"	14' 10"	14' 10"	13' 0"

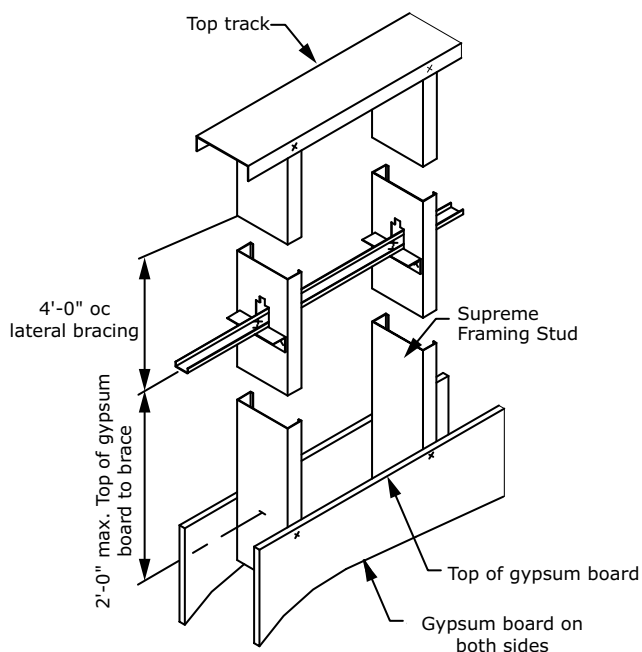
<sup>1</sup>Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.

<sup>2</sup>e" Web stiffeners required at ends.

See Table Notes on page 24.

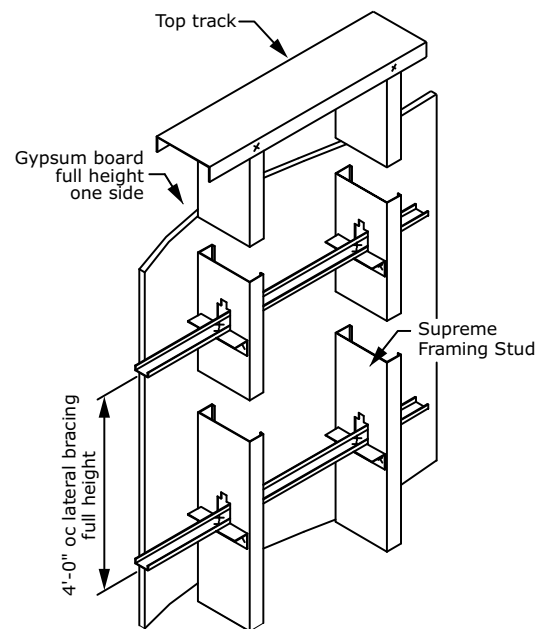
### Lateral Bracing

Example of lateral bracing at wall not sheathed at full height.



### Lateral Bracing

Example of lateral bracing at wall sheathed at full height on one side.





# Interior Wall Limiting Heights - Non-Composite - Braced at 48" oc

## 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. Web crippling check based on 1" end bearing.
3. Limiting heights are based on studs braced at maximum spacing of 48" oc . Bracing can be placed at a greater distance if deflection controls (d), maximum brace spacing is listed under Lbr.
4. See page 5 for additional table notes.

Section	F <sub>y</sub> (ksi)	L <sub>v</sub> (in)	Spacing (in) oc	5 psf				7.5 psf				10 psf				
				L/120	Lbr	L/240	Lbr	L/360	Lbr	L/120	Lbr	L/240	Lbr	L/360	Lbr	
162S125-18	33	29.0	12	8' 5" f (48)	7' 10" d (59)	6' 11" d (73)	6' 10" f (48)	6' 9" d (50)	6' 0" d (66)	5' 11" f (48)	5' 11" f (48)	5' 5" d (61)	5' 11" f (48)	5' 2" f (48)	4' 11" d (55)	
			16	7' 3" f (48)	7' 1" d (53)	6' 3" d (68)	5' 11" f (48)	5' 11" f (48)	5' 5" d (61)	5' 2" f (48)	5' 2" f (48)	4' 11" d (55)	4' 2" f (48)	4' 2" f (48)	4' 2" f (48)	4' 11" d (55)
			24	5' 11" f (48)	5' 11" f (48)	5' 5" d (61)	4' 10" f (48)	4' 10" f (48)	4' 8" d (53)	4' 2" f (48)	4' 2" f (48)	4' 2" f (48)	4' 2" f (48)	4' 2" f (48)	4' 2" f (48)	4' 2" f (48)
162S125-30	33	29.2	12	11' 8" d (51)	9' 3" d (81)	8' 1" d (98)	9' 8" f (48)	8' 1" d (74)	7' 1" d (89)	8' 4" f (48)	7' 1" d (70)	6' 5" d (83)	7' 3" f (48)	6' 8" d (63)	5' 10" d (78)	
			16	10' 3" f (48)	8' 5" d (76)	7' 4" d (91)	8' 4" f (48)	7' 4" d (70)	6' 5" d (83)	7' 3" f (48)	6' 8" d (63)	5' 10" d (78)	5' 11" f (48)	5' 10" d (51)	5' 1" d (72)	5' 1" d (72)
			24	8' 4" f (48)	7' 4" d (70)	6' 5" d (83)	6' 10" f (48)	6' 5" d (60)	5' 7" d (76)	5' 11" f (48)	5' 10" d (51)	5' 1" d (72)	5' 11" f (48)	5' 10" d (51)	5' 1" d (72)	5' 1" d (72)
162S125-33	33	29.2	12	12' 0" d (60)	9' 7" d (85)	8' 4" d (105)	10' 5" f (48)	8' 4" d (78)	7' 4" d (98)	9' 0" f (48)	7' 7" d (73)	6' 8" d (88)	7' 9" f (48)	6' 11" d (68)	6' 0" d (82)	
			16	10' 11" d (50)	8' 8" d (80)	7' 7" d (98)	9' 0" f (48)	7' 7" d (73)	6' 8" d (88)	7' 9" f (48)	6' 11" d (68)	6' 0" d (82)	6' 4" f (48)	6' 0" d (60)	5' 3" d (75)	5' 3" d (75)
			24	9' 0" f (48)	7' 7" d (73)	6' 8" d (88)	7' 4" f (48)	6' 8" d (66)	5' 10" d (80)	6' 4" f (48)	6' 0" d (60)	5' 3" d (75)	6' 4" f (48)	6' 0" d (60)	5' 3" d (75)	5' 3" d (75)
250S125-18	33	29.0	12	11' 6" f (48)	10' 9" d (57)	9' 6" d (69)	9' 5" f (48)	9' 4" d (49)	8' 3" d (64)	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	
			16	10' 0" f (48)	9' 8" d (52)	8' 7" d (65)	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	5' 9" ef (48)	5' 9" ef (48)	5' 9" ef (48)	5' 9" ef (48)
			24	8' 2" f (48)	8' 2" f (48)	7' 6" d (59)	6' 8" f (48)	6' 8" f (48)	6' 6" d (52)	5' 9" ef (48)	5' 9" ef (48)	5' 9" ef (48)	5' 9" ef (48)	5' 9" ef (48)	5' 9" ef (48)	5' 9" ef (48)
250S125-30	33	28.9	12	15' 9" f (48)	12' 10" d (72)	11' 3" d (84)	12' 11" f (48)	11' 2" d (67)	9' 10" d (78)	11' 2" f (48)	10' 2" d (62)	8' 11" d (73)	9' 8" f (48)	9' 3" d (55)	8' 1" d (69)	
			16	13' 8" f (48)	11' 8" d (68)	10' 2" d (79)	11' 2" f (48)	10' 2" d (62)	8' 11" d (73)	9' 8" f (48)	9' 3" d (55)	8' 1" d (69)	7' 11" f (48)	7' 11" f (48)	7' 1" d (64)	7' 1" d (64)
			24	11' 2" f (48)	10' 2" d (62)	8' 11" d (73)	9' 1" f (48)	8' 10" d (52)	7' 9" d (68)	7' 11" f (48)	7' 11" f (48)	7' 1" d (64)	7' 11" f (48)	7' 11" f (48)	7' 1" d (64)	7' 1" d (64)
250S125-33	33	28.9	12	16' 8" d (50)	13' 3" d (74)	11' 7" d (88)	13' 9" f (48)	11' 7" d (68)	10' 1" d (81)	11' 11" f (48)	10' 6" d (65)	9' 2" d (76)	10' 4" f (48)	9' 6" d (60)	8' 4" d (72)	
			16	14' 7" f (48)	12' 1" d (70)	10' 6" d (82)	11' 11" f (48)	10' 6" d (65)	9' 2" d (76)	10' 4" f (48)	9' 6" d (60)	8' 4" d (72)	8' 5" f (48)	8' 4" d (50)	7' 4" d (66)	7' 4" d (66)
			24	11' 11" f (48)	10' 6" d (65)	9' 2" d (76)	9' 9" f (48)	9' 2" d (58)	8' 0" d (70)	8' 5" f (48)	8' 4" d (50)	7' 4" d (66)	8' 5" f (48)	8' 4" d (50)	7' 4" d (66)	7' 4" d (66)
250S125-43	33	28.9	12	18' 2" d (59)	14' 5" d (83)	12' 7" d (99)	15' 10" d (50)	12' 7" d (76)	11' 0" d (91)	13' 11" f (48)	11' 5" d (71)	10' 0" d (85)	12' 1" f (48)	11' 5" d (67)	9' 1" d (80)	
			16	16' 6" d (53)	13' 1" d (78)	11' 5" d (93)	13' 11" f (48)	11' 5" d (71)	10' 0" d (85)	12' 1" f (48)	11' 5" d (67)	9' 1" d (80)	9' 10" f (48)	9' 1" d (59)	7' 11" d (73)	7' 11" d (73)
			24	13' 11" f (48)	11' 5" d (71)	10' 0" d (85)	11' 4" f (48)	10' 0" d (64)	8' 9" d (78)	9' 10" f (48)	9' 1" d (59)	7' 11" d (73)	9' 10" f (48)	9' 1" d (59)	7' 11" d (73)	7' 11" d (73)
350S125-18	33	28.8	12	12' 10" f (48)	12' 10" f (48)	12' 3" d (55)	10' 6" f (48)	10' 6" f (48)	10' 6" f (48)	9' 1" f (48)	9' 1" f (48)	9' 1" f (48)	7' 10" ef (48)	7' 10" ef (48)	7' 10" ef (48)	
			16	11' 1" f (48)	11' 1" f (48)	11' 1" d (48)	9' 1" f (48)	9' 1" f (48)	9' 1" f (48)	7' 10" ef (48)	7' 10" ef (48)	7' 10" ef (48)	6' 5" ef (48)	6' 5" ef (48)	6' 5" ef (48)	6' 5" ef (48)
			24	9' 1" f (48)	9' 1" f (48)	9' 1" f (48)	7' 5" ef (48)	7' 5" ef (48)	7' 5" ef (48)	6' 5" ef (48)	6' 5" ef (48)	6' 5" ef (48)	6' 5" ef (48)	6' 5" ef (48)	6' 5" ef (48)	6' 5" ef (48)
350S125-30	33	28.6	12	18' 6" f (48)	16' 7" d (64)	14' 6" d (75)	15' 2" f (48)	14' 6" d (55)	12' 8" d (69)	13' 1" f (48)	13' 1" f (48)	11' 6" d (65)	11' 4" f (48)	11' 4" f (48)	10' 6" d (61)	
			16	16' 1" f (48)	15' 1" d (58)	13' 2" d (71)	13' 1" f (48)	13' 1" f (48)	11' 6" d (65)	11' 4" f (48)	11' 4" f (48)	10' 6" d (61)	9' 3" f (48)	9' 3" f (48)	9' 1" d (51)	9' 1" d (51)
			24	13' 1" f (48)	13' 1" f (48)	11' 6" d (65)	10' 8" f (48)	10' 8" f (48)	10' 1" d (58)	9' 3" f (48)	9' 3" f (48)	9' 1" d (51)	9' 3" f (48)	9' 3" f (48)	9' 1" d (51)	9' 1" d (51)
350S125-33	33	28.6	12	20' 0" f (48)	17' 2" d (66)	15' 0" d (78)	16' 4" f (48)	15' 0" d (60)	13' 1" d (71)	14' 2" f (48)	13' 7" d (55)	11' 11" d (67)	12' 3" f (48)	12' 3" f (48)	10' 10" d (64)	
			16	17' 4" f (48)	15' 7" d (62)	13' 8" d (73)	14' 2" f (48)	13' 7" d (55)	11' 11" d (67)	12' 3" f (48)	12' 3" f (48)	10' 10" d (64)	10' 0" f (48)	10' 0" f (48)	9' 5" d (57)	9' 5" d (57)
			24	14' 2" f (48)	13' 7" d (55)	11' 11" d (67)	11' 7" f (48)	11' 7" f (48)	10' 5" d (62)	10' 0" f (48)	10' 0" f (48)	9' 5" d (57)	10' 0" f (48)	10' 0" f (48)	9' 5" d (57)	9' 5" d (57)
350S125-43	33	28.4	12	23' 6" d (49)	18' 8" d (73)	16' 4" d (86)	19' 4" f (48)	16' 4" d (67)	14' 3" d (79)	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)	
			16	20' 6" f (48)	17' 0" d (69)	14' 10" d (81)	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)	11' 10" f (48)	11' 9" d (49)	10' 3" d (64)	10' 3" d (64)
			24	16' 9" f (48)	14' 10" d (62)	12' 11" d (75)	13' 8" f (48)	12' 11" d (55)	11' 4" d (69)	11' 10" f (48)	11' 9" d (49)	10' 3" d (64)	11' 10" f (48)	11' 9" d (49)	10' 3" d (64)	10' 3" d (64)
350S125-54	50	22.9	12	25' 2" d (60)	20' 0" d (79)	17' 5" d (93)	22' 0" d (55)	17' 5" d (72)	15' 3" d (86)	20' 0" d (51)	15' 10" d (68)	13' 10" d (81)	18' 1" f (48)	14' 5" d (65)	12' 7" d (76)	
			16	22' 10" d (56)	18' 2" d (74)	15' 10" d (88)	20' 0" d (51)	15' 10" d (68)	13' 10" d (81)	18' 1" f (48)	14' 5" d (65)	12' 7" d (76)	14' 9" f (48)	12' 7" d (60)	11' 0" d (70)	11' 0" d (70)
			24	20' 0" d (51)	15' 10" d (68)	13' 10" d (81)	17' 0" f (48)	13' 10" d (63)	12' 1" d (74)	14' 9" f (48)	12' 7" d (60)	11' 0" d (70)	14' 9" f (48)	12' 7" d (60)	11' 0" d (70)	11' 0" d (70)
350S125-68	50	22.8	12	26' 10" d (64)	21' 4" d (87)	18' 7" d (106)	23' 5" d (59)	18' 7" d (79)	16' 3" d (96)	21' 4" d (55)	16' 11" d (74)	14' 9" d (89)	19' 4" d (52)	15' 4" d (70)	13' 5" d (84)	
			16	24' 5" d (60)	19' 4" d (81)	16' 11" d (99)	21' 4" d (55)	16' 11" d (74)	14' 9" d (89)	19' 4" d (52)	15' 4" d (70)	13' 5" d (84)	16' 8" f (48)	13' 5" d (64)	11' 9" d (76)	11' 9" d (76)
			24	21' 4" d (55)	16' 11" d (74)	14' 9" d (89)	18' 7" d (51)	14' 9" d (68)	12' 11" d (81)	16' 8" f (48)	13' 5" d (64)	11' 9" d (76)	16' 8" f (48)	13' 5" d (64)	11' 9" d (76)	11' 9" d (76)
362S125-18	33	28.8	12	13' 1" f (48)	13' 1" f (48)	12' 7" d (54)	10' 8" f (48)	10' 8" f (48)	10' 8" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	8' 0" ef (48)	8' 0" ef (48)	8' 0" ef (48)	
			16	11' 4" f (48)	11' 4" f (48)	11' 4" f (48)	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	8' 0" ef (48)	8' 0" ef (48)	8' 0" ef (48)	6' 6" ef (48)	6' 6" ef (48)	6' 6" ef (48)	6' 6" ef (48)
			24	9' 3" f (48)	9' 3" f (48)	9' 3" f (48)	7' 7" ef (48)	7' 7" ef (48)	7' 7" ef (48)	6' 6" ef (48)	6' 6" ef (48)	6' 6" ef (48)	6' 6" ef (48)	6' 6" ef (48)	6' 6" ef (48)	6' 6" ef (48)
362S125-30	33	28.6	12	18' 11" f (48)	17' 1" d (63)	14' 11" d (74)	15' 5" f (48)	14' 11" d (54)	13' 1" d (68)	13' 4" f (48)	13' 4" f (48)	11' 10" d (65)	11' 7" f (48)	11' 7" f (48)	10' 9" d (60)	
			16	16' 4" f (48)	15' 6" d (57)	13' 7" d (70)	13' 4" f (48)	13' 4" f (48)	11' 10" d (65)	11' 7" f (48)	11' 7" f (48)	10' 9" d (60)	9' 5" f (48)	9' 5" f (48)	9' 4" d (49)	9' 4" d (49)
			24	13' 4" f (48)	13' 4" f (48)	11' 10" d (65)	10' 11" f (48)	10' 11" f (48)	10' 4" d (57)	9' 5" f (48)	9' 5" f (48)	9' 4" d (49)	9' 5" f (48)	9' 5" f (48)	9' 4" d (49)	9' 4" d (49)
362S125-33	33	28.5	12	20' 5" f (48)	17' 8" d (65)	15' 5" d (77)	16' 8" f (48)	15' 5" d (59)	13' 6" d (71)	14' 5" f (48)	14' 0" d (53)	12' 3" d (67)	12' 6" f (48)	12' 6" f (48)	11' 2" d (63)	
			16	17' 8" f (48)	16' 1" d (61)	14' 0" d (72)	14' 5" f (48)	14' 0" d (53)	12' 3" d (67)	12' 6" f (48)	12' 6" f (48)	11' 2" d (63)	10' 2" f (48)	10' 2" f (48)	9' 9" d (56)	9' 9" d (56)
			24	14' 5" f (48)	14' 0" d (53)	12' 3" d (67)	11' 9" f (48)	11' 9" f (48)	10' 8" d (61)	10' 2" f (48)	10' 2" f (48)	9' 9" d (56)	10' 2" f (48)	10' 2" f (48)	9' 9" d (56)	9' 9" d (56)
362S125-43	33	28.4	12	24' 2" f (48)	19' 2" d (72)	16' 9" d (85)	19' 9" f (48)	16' 9" d (66)	14' 8" d (78)	17' 1" f (48)	15' 3" d (61)	13' 4" d (74)	14' 9" f (48)	13' 10" d (56)	12' 1" d (70)	
			16	20' 11" f (48)	17' 5" d (68)	15' 3" d (80)	17' 1" f (48)	15' 3" d (61)	13' 4" d (74)	14' 9" f (48)	13' 10" d (56)	12' 1" d (70)	12' 1" f (48)	12' 1" f (48)	10' 7" d (63)	10' 7" d (63)
			24	17' 1" f (48)	15' 3" d (61)	13' 4" d (74)	13' 11" f (48)	13' 4" d (54)	11' 8" d (68)	12' 1" f (48)	12' 1" f (48)	10' 7" d (63)	12' 1" f (48)	12' 1" f (48)	10' 7" d (63)	10' 7" d (63)
362S125-54	50	22.8	12	25' 11"												

# Interior Wall Limiting Heights - Non-Composite - Braced at 48" oc



Section	Fy (ksi)	Lu (in)	Spacing (in) oc	5 psf						7.5 psf						10 psf											
				L/120	Lbr	L/240	Lbr	L/360	Lbr	L/120	Lbr	L/240	Lbr	L/360	Lbr	L/120	Lbr	L/240	Lbr	L/360	Lbr						
400S125-18	33	28.7	12	13' 9" e f (48)	13' 9" e f (48)	13' 7" e d (49)	11' 3" e f (48)	11' 3" e f (48)	11' 3" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)							
			16	11' 11" e f (48)	11' 11" e f (48)	11' 11" e f (48)	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)					
			24	9' 9" e f (48)	9' 9" e f (48)	9' 9" e f (48)	7' 11" e f (48)	7' 11" e f (48)	7' 11" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)	6' 10" e f (48)				
400S125-30	33	28.5	12	19' 11" f (48)	18' 5" d (60)	16' 2" d (72)	16' 3" f (48)	16' 1" d (50)	14' 1" d (66)	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)					
			16	17' 3" f (48)	16' 9" d (53)	14' 8" d (68)	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)	12' 3" f (48)				
			24	14' 1" f (48)	14' 1" f (48)	12' 10" d (62)	11' 6" f (48)	11' 6" f (48)	11' 2" d (53)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)	10' 0" f (48)			
400S125-33	33	28.4	12	21' 7" f (48)	19' 1" d (63)	16' 8" d (74)	17' 7" f (48)	16' 8" d (57)	14' 7" d (68)	15' 3" f (48)	15' 1" d (49)	13' 3" d (65)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)				
			16	18' 8" f (48)	17' 4" d (59)	15' 2" d (70)	15' 3" f (48)	15' 1" d (49)	13' 3" d (65)	15' 3" f (48)	15' 1" d (49)	13' 3" d (65)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)	13' 2" f (48)			
			24	15' 3" f (48)	15' 1" d (49)	13' 3" d (65)	12' 5" f (48)	12' 5" f (48)	11' 7" d (59)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)	10' 9" f (48)		
400S125-43	33	28.2	12	25' 6" f (48)	20' 9" d (70)	18' 2" d (82)	20' 10" f (48)	18' 2" d (63)	15' 10" d (75)	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)	15' 8" f (48)	15' 0" d (54)	13' 1" d (67)	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)	15' 8" f (48)	15' 0" d (54)	13' 1" d (67)	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)			
			16	22' 1" f (48)	18' 10" d (65)	16' 6" d (77)	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)	14' 9" f (48)	14' 5" d (51)	12' 7" d (65)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)		
			24	18' 1" f (48)	16' 6" d (59)	14' 5" d (71)	14' 9" f (48)	14' 5" d (51)	12' 7" d (65)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	12' 9" f (48)	
400S125-54	50	22.7	12	28' 0" d (57)	22' 2" d (75)	19' 5" d (89)	24' 5" d (52)	19' 5" d (69)	16' 11" d (82)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)			
			16	25' 5" d (53)	20' 2" d (71)	17' 8" d (84)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	18' 4" f (48)	15' 5" d (60)	13' 5" d (71)	15' 10" f (48)	14' 0" d (57)	12' 3" d (67)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)			
			24	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	18' 4" f (48)	15' 5" d (60)	13' 5" d (71)	15' 10" f (48)	14' 0" d (57)	12' 3" d (67)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)	19' 5" f (48)	16' 0" d (62)	14' 0" d (73)	22' 2" d (49)	17' 8" d (65)	15' 5" d (77)
400S125-68	50	22.5	12	29' 10" d (61)	23' 8" d (82)	20' 8" d (98)	26' 1" d (56)	20' 8" d (75)	18' 1" d (90)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	21' 6" d (50)	17' 1" d (66)	14' 11" d (79)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	21' 6" d (50)	17' 1" d (66)	14' 11" d (79)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)			
			16	27' 2" d (58)	21' 6" d (77)	18' 10" d (92)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	20' 8" d (48)	16' 5" d (65)	14' 4" d (77)	18' 0" f (48)	14' 11" d (61)	13' 0" d (72)	27' 2" d (58)	21' 6" d (77)	18' 10" d (92)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	20' 8" d (48)	16' 5" d (65)	14' 4" d (77)	18' 0" f (48)	14' 11" d (61)	13' 0" d (72)
			24	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	20' 8" d (48)	16' 5" d (65)	14' 4" d (77)	18' 0" f (48)	16' 5" d (65)	14' 4" d (77)	18' 0" f (48)	14' 11" d (61)	13' 0" d (72)	27' 2" d (58)	21' 6" d (77)	18' 10" d (92)	23' 8" d (53)	18' 10" d (71)	16' 5" d (84)	20' 8" d (48)	16' 5" d (65)	14' 4" d (77)	18' 0" f (48)	14' 11" d (61)	13' 0" d (72)
550S125-30	33	27.9	12	25' 5" f (48)	23' 9" d (58)	20' 10" d (69)	20' 9" f (48)	20' 8" d (48)	18' 2" d (64)	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)	15' 7" f (48)	15' 7" f (48)	14' 11" d (60)	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)	15' 7" f (48)	15' 7" f (48)	14' 11" d (60)	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)			
			16	22' 0" f (48)	21' 6" d (52)	18' 11" d (65)	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)	14' 8" f (48)	14' 8" f (48)	14' 4" d (52)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	
			24	18' 0" f (48)	18' 0" f (48)	16' 6" d (60)	14' 8" f (48)	14' 8" f (48)	14' 4" d (52)	12' 8" e f (48)	14' 8" f (48)	14' 8" f (48)	14' 4" d (52)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)	12' 8" e f (48)
550S125-33	33	27.8	12	27' 6" f (48)	24' 8" d (61)	21' 6" d (72)	22' 5" f (48)	21' 6" d (55)	18' 10" d (66)	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)	16' 10" f (48)	16' 10" f (48)	15' 6" d (58)	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)	16' 10" f (48)	16' 10" f (48)	15' 6" d (58)	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)			
			16	23' 10" f (48)	22' 4" d (57)	19' 7" d (68)	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)	15' 10" f (48)	15' 10" f (48)	14' 11" d (57)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	
			24	19' 5" f (48)	19' 5" f (48)	17' 1" d (62)	15' 10" f (48)	15' 10" f (48)	14' 11" d (57)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)	13' 9" f (48)
550S125-43	33	27.6	12	32' 7" f (48)	26' 10" d (66)	23' 5" d (76)	26' 8" f (48)	23' 5" d (61)	20' 5" d (71)	23' 1" f (48)	21' 3" d (57)	18' 7" d (67)	20' 0" f (48)	19' 4" d (52)	16' 11" d (59)	23' 1" f (48)	21' 3" d (57)	18' 7" d (67)	20' 0" f (48)	19' 4" d (52)	16' 11" d (59)	23' 1" f (48)	21' 3" d (57)	18' 7" d (67)			
			16	28' 3" f (48)	24' 4" d (62)	21' 3" d (72)	23' 1" f (48)	21' 3" d (57)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)
			24	23' 1" f (48)	21' 3" d (57)	18' 7" d (67)	18' 10" f (48)	18' 7" d (67)	18' 7" d (67)	18' 10" f (48)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)	18' 7" d (67)
550S125-54	50	22.1	12	36' 2" d (53)	28' 9" d (69)	25' 1" d (80)	31' 7" d (50)	25' 1" d (64)	21' 11" d (74)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	24' 4" f (48)	20' 8" d (58)	18' 1" d (67)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	24' 4" f (48)	20' 8" d (58)	18' 1" d (67)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)			
			16	32' 10" d (51)	26' 1" d (65)	22' 9" d (76)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	23' 0" f (48)	19' 11" d (57)	17' 5" d (65)	19' 11" f (48)	18' 1" d (53)	15' 10" d (62)	32' 10" d (51)	26' 1" d (65)	22' 9" d (76)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	23' 0" f (48)	19' 11" d (57)	17' 5" d (65)	19' 11" f (48)	18' 1" d (53)	15' 10" d (62)
			24	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	23' 0" f (48)	19' 11" d (57)	17' 5" d (65)	19' 11" f (48)	18' 1" d (53)	15' 10" d (62)	19' 11" f (48)	18' 1" d (53)	15' 10" d (62)	28' 2" f (48)	22' 9" d (61)	19' 11" d (71)	23' 0" f (48)	19' 11" d (57)	17' 5" d (65)	19' 11" f (48)	18' 1" d (53)	15' 10" d (62)	19' 11" f (48)	18' 1" d (53)	15' 10" d (62)
550S125-68	50	21.8	12	38' 8" d (55.8)	30' 8" d (73)	26' 10" d (86)	33' 9" d (52)	26' 10" d (67)	23' 5" d (79)	30' 8" d (49)	24' 4" d (64)	21' 3" d (74)	27' 1" f (48)	22' 2" d (60)	19' 4" d (70)	30' 8" d (49)	24' 4" d (64)	21' 3" d (74)	27' 1" f (48)	22' 2" d (60)	19' 4" d (70)	30' 8" d (49)	24' 4" d (64)	21' 3" d (74)			
			16	35' 2" d (53.0)	27' 11" d (69)	24' 4" d (																					

## Table Notes

1. Heights based on steel properties only.
2. Limiting heights based on lateral and torsional bracing spaced 48" on center, full height of member.
3. Deflection and Strength Calculations based on a 1.0 factor.
4. Allowable moment is the lesser of  $M_{al}$  and  $M_{ad}$ . Stud distortional buckling based on an assumed  $K\phi = 0$ .

SUPREME Interior Wall Limiting Heights - Non-Composite - Braced 48" oc											
Section	F <sub>y</sub> (ksi)	Spacing (in oc)	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
162SFS125-D25	57	12	-	-	-	-	-	-	-	-	-
		16	-	-	-	-	-	-	-	-	-
		24	-	-	-	-	-	-	-	-	-
162SFS-D20	57	12	10' 2"	8' 2"	-	8' 3"	-	-	-	-	-
		16	8' 9"	-	-	-	-	-	-	-	-
		24	-	-	-	-	-	-	-	-	-
162SFS-D24	57	12	11' 0"	8' 9"	-	9' 8"	-	-	8' 9"	-	-
		16	10' 0"	-	-	8' 9"	-	-	-	-	-
		24	8' 9"	-	-	-	-	-	-	-	-
250SFS125-D25	57	12	10' 11"	10' 5"	9' 1"	8' 11"	8' 11"	-	-	-	-
		16	9' 6"	9' 5"	8' 3"	-	-	-	-	-	-
		24	-	-	-	-	-	-	-	-	-
250SFS-D20	57	12	13' 5"	11' 3"	9' 10"	11' 0"	9' 10"	8' 7"	9' 6"	8' 11"	-
		16	11' 8"	10' 3"	8' 11"	9' 6"	8' 11"	-	8' 3"	8' 2"	-
		24	9' 6"	8' 11"	-	-	-	-	-	-	-
250SFS-D24	57	12	15' 4"	12' 2"	10' 7"	13' 5"	10' 7"	9' 3"	12' 2"	9' 8"	8' 5"
		16	13' 11"	11' 1"	9' 8"	12' 2"	9' 8"	8' 5"	11' 1"	8' 9"	-
		24	12' 2"	9' 8"	8' 5"	10' 7"	8' 5"	-	9' 2"	-	-
350SFS125-D25 <sup>1</sup>	57	12	12' 10"	12' 10"	11' 8"	10' 5"	10' 5"	10' 2"	9' 1"	9' 1"	9' 1"
		16	11' 1"	11' 1"	10' 7"	9' 1"	9' 1"	9' 1"	-	-	-
		24	9' 1"	9' 1"	9' 1"	-	-	-	-	-	-
350SFS-D20	57	12	16' 6"	14' 6"	12' 8"	13' 5"	12' 8"	11' 1"	11' 8"	11' 6"	10' 1"
		16	14' 3"	13' 2"	11' 6"	11' 8"	11' 6"	10' 1"	10' 1"	10' 1"	9' 2"
		24	11' 8"	11' 6"	10' 1"	9' 6"	9' 6"	8' 9"	8' 3"	8' 3"	8' 0"
350SFS-D24	57	12	19' 11"	15' 10"	13' 10"	17' 0"	13' 10"	12' 1"	14' 9"	12' 7"	10' 11"
		16	18' 0"	14' 4"	12' 7"	14' 8"	12' 7"	10' 11"	12' 8"	11' 5"	9' 11"
		24	14' 8"	12' 7"	10' 11"	12' 0"	10' 11"	9' 7"	10' 4"	9' 11"	8' 8"
362SFS125-D25 <sup>1</sup>	57	12	13' 1"	13' 1"	12' - 0"	10' 8"	10' 8"	10' 5"	9' 3"	9' 3"	9' 3"
		16	11' 4"	11' 4"	10' 10"	9' 3"	9' 3"	9' 3"	8' 0"	8' 0"	8' 0"
		24	9' 3"	9' 3"	9' 3"	-	-	-	-	-	-
362SFS-D20	57	12	16' 9"	14' 11"	13' 0"	13' 8"	13' 0"	11' 5"	11' 10"	11' 10"	10' 4"
		16	14' 6"	13' 7"	11' 10"	11' 10"	11' 10"	10' 4"	10' 3"	10' 3"	9' 5"
		24	11' 10"	11' 10"	10' 4"	9' 8"	9' 8"	9' 0"	8' 5"	8' 5"	8' 2"
362SFS-D24	57	12	20' 6"	16' 3"	14' 2"	17' 4"	14' 2"	12' 5"	15' 0"	12' 11"	11' 3"
		16	18' 4"	14' 9"	12' 11"	14' 11"	12' 11"	11' 3"	12' 11"	11' 9"	10' 3"
		24	14' 11"	12' 11"	11' 3"	12' 2"	11' 3"	9' 10"	10' 7"	10' 3"	8' 11"

<sup>1</sup>Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.  
<sup>2</sup>e" Web stiffeners required at ends.

## SUPREME Interior Wall Limiting Heights - Non-Composite - Braced 48" oc

Section	Fy (ksi)	Spacing (in) oc	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
400SFS125-D25 <sup>1</sup>	57	12	14' - 0"	14' - 0"	12' 10"	11' 5"	11' 5"	11' 3"	9' 11"	9' 11"	9' 11"
		16	12' 1"	12' 1"	11' 8"	9' 11"	9' 11"	9' 11"	8' 3"	8' 3"	8' 3"
		24	9' 11"	9' 11"	9' 11"	-	-	-	-	-	-
400SFS-D20 <sup>1</sup>	57	12	17' 5"	15' 9"	13' 9"	14' 3"	13' 9"	12' 1"	12' 4"	12' 4"	10' 11"
		16	15' 1"	14' 4"	12' 6"	12' 4"	12' 4"	10' 11"	10' 8"	10' 8"	9' 11"
		24	12' 4"	12' 4"	10' 11"	10' 1"	10' 1"	9' 7"	8' 9"	8' 9"	8' 8"
400SFS-D24	57	12	22' 2"	17' 7"	15' 4"	18' 3"	15' 4"	13' 5"	15' 9"	13' 11"	12' 2"
		16	19' 3"	16' 0"	13' 11"	15' 9"	13' 11"	12' 2"	13' 7"	12' 8"	11' 1"
		24	15' 9"	13' 11"	12' 2"	12' 10"	12' 2"	10' 8"	11' 1"	11' 1"	9' 8"
550SFS-D24 <sup>1</sup>	57	12	28' 2"	22' 8"	19' 10"	23' 7"	23' 0"	19' 10"	17' 4"	19' 11"	15' 9"
		16	24' 3"	20' 7"	18' 0"	20' 4"	19' 10"	18' 0"	15' 9"	17' 2"	14' 3"
		24	19' 10"	18' 0"	16' 4"	15' 9"	16' 2"	15' 9"	13' 9"	14' 0"	12' 6"
600SFS-D24 <sup>1</sup>	57	12	28' 11"	23' 7"	20' 8"	23' 7"	20' 8"	18' 0"	20' 5"	18' 9"	16' 4"
		16	24' 11"	21' 5"	18' 9"	20' 4"	18' 9"	16' 4"	17' 8"	17' 0"	14' 10"
		24	20' 4"	18' 9"	16' 4"	16' 8"	16' 4"	14' 3"	14' 5"	14' 5"	13' 0"

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

"e" Web stiffeners required at ends.

See Table Notes on page 28.

# Curtain Wall Limiting Heights - Single Span

## Table Notes

- Listed span for "Double Span" tables is the distance from either end to the center of interior support, with the stud continuous past the interior support.
- Listed wind pressures represent calculated designed wind pressure (1.0 W based on 2009 or 0.6 W based on 2012 IBC). For deflection calculations, listed wind pressures have been reduced by 0.70 as allowed by IBC. The 5 psf pressure has not been reduced for deflection checks.
- Studs must be braced against rotation and lateral movement at all supports. See typical bracing details on page 74.
- Studs are assumed to be adequately braced at a maximum spacing of  $L_u$  to develop full allowable moment.
- Web crippling check is based on 1" of bearing at end supports and 3" of bearing at interior support.
- Shear and web crippling capacity at end supports have **not** been reduced for punchouts. Shear and web crippling capacity at interior support have been reduced for the presence of punchout adjacent to the support.
- Combined bending and shear check at interior support is based on unreinforced web per AISI S100 (Eq. C3.3.1-1). Shear capacity and combined bending and shear check at interior support have been reduced for the presence of punchouts adjacent to support.
- See page 5 for additional table notes.

Section	Fy Spacing (ksi) (in) oc	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	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
	16	21' 7"	17' 1"	14' 11"	13' 0"	11' 8"	9' 10"	11' 3"	10' 7"	8' 11"	10' 1"e	9' 10"	8' 4"	9' 2"e	9' 2"e	7' 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
	24	18' 5"	14' 11"	13' 1"	10' 8"	10' 2"	8' 7"	9' 2"e	9' 2"e	7' 10"	8' 3"e	8' 3"e	7' 3"e	7' 6"e	7' 6"e	6' 10"e	7' 0"e	7' 0"e	6' 6"e	6' 6"e	6' 6"e	6' 2"e	5' 10"e	5' 10"e	5' 9"e
350S162-43	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"
	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"	9' 7"	8' 1"	9' 5"	9' 2"	7' 9"	8' 5"e	8' 5"e	7' 2"
	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"	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
350S162-54	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' 4"	10' 9"	9' 1"	11' 6"	10' 0"	8' 5"
	16	25' 1"	19' 11"	17' 5"	15' 7"	13' 7"	11' 6"	14' 2"	12' 4"	10' 5"	13' 1"	11' 6"	9' 8"	12' 4"	10' 9"	9' 1"	11' 9"	10' 3"	8' 8"	11' 3"	9' 10"	8' 3"	10' 5"	9' 1"	7' 8"
	24	21' 11"	17' 5"	15' 2"	13' 7"	11' 10"	10' 0"	12' 4"	10' 9"	9' 1"	11' 6"	10' 10"	8' 5"	10' 9"	9' 5"	7' 11"	10' 3"	8' 11"	7' 7"	9' 10"	8' 7"	7' 3"	9' 1"	7' 11"	6' 8"
350S162-68	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' 3"	10' 9"	9' 0"
	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' 7"	11' 0"	9' 3"	12' 0"	10' 6"	8' 10"	11' 2"	9' 9"	8' 3"
	24	23' 5"	18' 7"	16' 3"	14' 6"	12' 8"	10' 9"	13' 3"	11' 6"	9' 9"	12' 3"	10' 9"	9' 0"	11' 6"	10' 1"	8' 6"	11' 0"	9' 7"	8' 1"	10' 6"	9' 2"	7' 9"	9' 9"	8' 6"	7' 2"
362S137-33	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"	8' 0"	8' 9"e	8' 9"e	7' 8"	7' 10"e	7' 10"e	7' 1"e
	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' 7"e	6' 11"e	6' 9"e	6' 9"e	6' 5"e
	24	17' 6"	14' 8"	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	5' 6"e	5' 6"e
362S162-33	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
	16	22' 2"	17' 7"	15' 2"	13' 7"	12' 0"	10' 1"	11' 6"	10' 11"	9' 2"	10' 3"e	10' 1"e	8' 6"	9' 5"e	8' 5"e	8' 0"	8' 8"e	8' 8"e	8' 0"	8' 7"e	8' 2"e	7' 3"e	7' 3"e	7' 3"e	6' 9"e
	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"e	7' 1"e	7' 1"e	6' 8"e	6' 8"e	6' 8"e	6' 4"e	5' 11"e	5' 11"e	5' 11"e
362S200-33	12	25' 9"	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
	16	23' 4"	18' 7"	16' 2"	13' 11"	12' 8"	10' 8"	9' 12"e	11' 6"	9' 8"	10' 9"e	10' 8"e	9' 10"	9' 10"e	9' 10"e	8' 6"e	9' 1"e	9' 1"e	8' 1"e	8' 6"e	8' 6"e	7' 8"e	7' 7"e	7' 7"e	7' 2"e
	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' 9"e	6' 9"e	6' 3"e	6' 3"e
362S137-43	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"	9' 10"	8' 4"	9' 2"	9' 2"	7' 9"
	16	23' 0"	18' 3"	15' 11"	14' 3"	12' 5"	10' 6"	12' 7"	11' 4"	9' 6"	11' 3"	10' 6"	8' 10"	10' 3"	9' 10"	8' 4"	9' 6"	9' 5"	7' 11"	8' 11"	8' 11"	7' 7"	7' 11"	7' 11"	7' 0"
	24	20' 1"	15' 11"	13' 11"	11' 10"	10' 10"	9' 2"	10' 3"	9' 10"	8' 4"	9' 2"	9' 2"	7' 9"	8' 5"	8' 5"	7' 3"	7' 9"	7' 9"	6' 11"	7' 3"e	7' 3"e	6' 7"	6' 6"e	6' 6"e	6' 2"e
362S162-43	12	26' 6"	21' 0"	18' 4"	16' 5"	14' 4"	12' 1"	14' 11"	13' 0"	11' 0"	13' 10"	12' 1"	10' 2"	12' 9"	11' 5"	9' 7"	11' 10"	10' 10"	9' 1"	11' 1"	10' 4"	8' 9"	9' 11"	9' 7"	8' 1"
	16	24' 1"	19' 1"	16' 8"	14' 11"	13' 0"	11' 0"	13' 7"	11' 10"	10' 0"	12' 1"	11' 0"	9' 3"	11' 1"	10' 4"	8' 9"	10' 3"	9' 10"	8' 3"	9' 7"	9' 5"	7' 11"	8' 7"e	8' 7"e	7' 4"
	24	21' 0"	16' 8"	14' 7"	12' 9"	11' 5"	9' 7"	11' 1"	10' 4"	8' 9"	9' 11"	9' 7"	8' 1"	9' 0"	9' 0"	7' 7"	8' 4"e	8' 4"e	7' 3"	7' 10"e	7' 10"e	6' 11"e	7' 0"e	7' 0"e	6' 5"e
362S200-43	12	28' 0"	22' 3"	19' 5"	17' 4"	15' 2"	12' 9"	15' 9"	13' 9"	11' 7"	14' 8"	12' 9"	10' 9"	13' 8"	12' 0"	10' 2"	12' 8"	11' 5"	9' 8"	11' 10"	10' 11"	9' 3"	10' 7"	10' 2"	8' 7"
	16	25' 5"	20' 2"	17' 8"	15' 9"	13' 9"	11' 7"	14' 4"	12' 6"	10' 7"	13' 10"	11' 7"	9' 10"	11' 10"	10' 11"	9' 3"	11' 0"	10' 5"	8' 9"	10' 3"	9' 11"	8' 4"	9' 2"e	9' 2"e	7' 9"
	24	22' 3"	17' 8"	15' 5"	13' 8"	12' 0"	10' 2"	11' 10"	10' 11"	9' 3"	10' 7"	10' 2"	8' 7"	9' 8"e	9' 7"e	8' 1"	9' 0"e	9' 0"e	7' 8"	8' 5"e	8' 5"e	7' 4"e	7' 6"e	7' 6"e	6' 9"e
362S137-54	12	27' 1"	21' 6"	18' 9"	16' 9"	14' 8"	12' 4"	15' 3"	13' 4"	11' 3"	14' 2"	12' 4"	10' 5"	13' 4"	11' 8"	9' 10"	12' 8"	11' 1"	9' 4"	12' 1"	11' 7"	8' 11"	11' 3"	9' 10"	8' 3"
	16	24' 7"	19' 6"	17' 1"	15' 3"	13' 4"	11' 3"	13' 10"	12' 1"	10' 2"	12' 10"	11' 3"	9' 6"	12' 1"	10' 7"	8' 11"	11' 6"	10' 0"	8' 6"	11' 0"	9' 7"	8' 1"	10' 2"	8' 11"	7' 6"
	24	21' 6"	17' 1"	14' 11"	13' 4"	11' 8"	9' 10"	12' 1"	10' 7"	8' 11"	11' 3"	9' 10"	8' 3"	10' 7"	9' 3"	7' 9"	10' 0"	8' 9"	7' 5"	9' 7"	8' 5"	7' 1"	8' 9"	7' 9"	6' 7"
362S162-54	12	28' 5"	22' 6"	19' 8"	17' 7"	15' 4"	13' 0"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"	14' 0"	12' 2"	10' 3"	13' 3"	11' 7"	9' 9"	12' 8"	11' 1"	9' 4"	11' 9"	10' 3"	8' 8"
	16	25' 10"	20' 6"	17' 11"	16' 0"	14' 0"	11' 9"	14' 6"	12' 8"	10' 8"	13' 6"	11' 9"	9' 11"	12' 8"	11' 1"	9' 4"	12' 1"	10' 6"	8' 11"	11' 6"	10' 1"	8' 6"	10' 8"	9' 4"	7' 11"
	24	22' 6"	17' 11"	15' 7"	14' 0"	12' 2"	10' 3"	12' 8"	11' 1"	9' 4"	11' 9"	10' 3"	8' 8"	11' 1"	9' 8"	8' 2"	10' 6"	9' 2"	7' 9"	10' 1"	8' 10"	7' 5"	9' 4"	8' 2"	6' 11"
362S200-54	12	30' 0"	23' 10"	20' 10"	18' 7"	16' 3"	13' 8"	16' 11"	14' 9"	12' 5"	15' 8"	13' 8"	11' 7"	14' 0"	12' 11"	10' 10"	14' 0"	12' 3"	10' 4"	13' 5"	11' 9"	9' 11"	12' 5"	10' 10"	9' 12"
	16	27' 3"	21' 8"	18' 11"	16' 11"	14' 9"	12' 5"	15' 4"	13' 5"	11' 4"	14' 3"	12' 5"	10' 6"	13' 5"	11' 9"	9' 11"	12' 9"	11' 2"	9' 5"	12' 2"	10' 8"	9' 0"	11' 4"	9' 11"	8' 4"
	24	23' 10"	18' 11"	16' 6"	14' 9"	12' 11"	10' 10"	13' 5"	11' 9"	9' 11"	12' 5"	10' 10"	9' 2"	11' 9"	10' 3"	8' 8"	11' 2"	9' 9"	8' 2"	10' 8"	9' 4"	7' 10"	9' 11"	8' 8"	7' 3"
362S137-68	12	28' 11"	22' 11"	20' 1"	17' 11"	15' 8"	13' 2"	16' 3"	14' 3"	12' 0"	15' 1"	13' 2"	11' 2"	14' 3"	12' 5"	10' 6"	13' 6"	11' 10"	9' 11"	12' 1					

# Curtain Wall Limiting Heights - Single Span



Section	Fy Spacing (ksi) (in) oc	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
400S137-43	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"
	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"	8' 5"	7' 7"
	24	21' 8"	17' 2"	15' 0"	12' 7"	11' 9"	9' 11"	10' 10"	10' 8"	9' 0"	9' 9"	9' 9"	8' 4"	8' 11"	8' 11"	7' 10"	8' 3"	8' 3"	7' 6"	7' 8"	7' 8"	7' 2"	6' 11"	6' 11"	6' 7"
400S162-43	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"
	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"	9' 1"	7' 11"
	24	22' 8"	18' 0"	15' 9"	13' 6"	12' 3"	10' 4"	11' 9"	11' 2"	9' 5"	10' 6"	10' 4"	8' 9"	9' 7"	9' 7"	8' 3"	8' 10"	8' 10"	7' 10"	8' 3"	8' 3"	7' 6"	7' 5"	7' 5"	6' 11"
400S200-43	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"	10' 11"	9' 3"
	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"	9' 9"	8' 5"
	24	23' 11"	19' 0"	16' 7"	14' 6"	13' 0"	10' 11"	12' 7"	11' 9"	9' 11"	11' 3"	10' 11"	9' 3"	10' 3"	10' 3"	8' 8"	9' 6"	9' 6"	8' 3"	8' 10"	8' 10"	7' 11"	7' 11"	7' 11"	7' 4"
400S137-54	12	29' 3"	23' 2"	20' 3"	18' 1"	15' 10"	13' 4"	16' 6"	14' 5"	12' 2"	15' 3"	13' 4"	11' 3"	14' 5"	12' 7"	10' 7"	13' 8"	11' 11"	10' 1"	13' 1"	11' 5"	9' 8"	12' 2"	10' 7"	8' 11"
	16	26' 7"	21' 1"	18' 5"	16' 6"	14' 5"	12' 2"	15' 0"	13' 1"	11' 0"	13' 11"	12' 2"	10' 3"	13' 1"	11' 5"	9' 8"	12' 5"	10' 10"	9' 2"	11' 10"	10' 4"	8' 9"	11' 0"	9' 8"	8' 1"
	24	23' 2"	18' 5"	16' 1"	14' 5"	12' 7"	10' 7"	13' 1"	11' 5"	9' 8"	12' 2"	10' 7"	8' 11"	11' 5"	10' 0"	8' 5"	10' 10"	9' 6"	8' 0"	10' 4"	9' 1"	7' 8"	9' 3"	8' 5"	7' 1"
400S162-54	12	30' 8"	24' 4"	21' 3"	19' 0"	16' 7"	14' 0"	17' 3"	15' 1"	12' 9"	16' 0"	14' 0"	11' 10"	15' 1"	13' 2"	11' 1"	14' 4"	12' 6"	10' 7"	13' 8"	12' 0"	10' 1"	12' 9"	11' 1"	9' 4"
	16	27' 10"	22' 1"	19' 4"	17' 3"	15' 1"	12' 9"	15' 8"	13' 8"	11' 7"	14' 7"	12' 9"	10' 9"	13' 8"	12' 0"	10' 1"	13' 0"	11' 4"	9' 7"	12' 5"	10' 10"	9' 2"	11' 7"	10' 1"	8' 6"
	24	24' 4"	19' 4"	16' 10"	15' 1"	13' 2"	11' 1"	13' 8"	12' 0"	10' 1"	12' 9"	11' 1"	9' 4"	12' 0"	10' 5"	8' 10"	11' 4"	9' 11"	8' 5"	10' 10"	9' 6"	8' 0"	10' 0"	8' 10"	7' 5"
400S200-54	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' 8"	14' 6"	12' 8"	10' 8"	13' 5"	11' 9"	9' 11"
	16	29' 5"	23' 4"	20' 5"	18' 3"	15' 11"	13' 5"	16' 7"	14' 6"	12' 2"	15' 4"	13' 5"	11' 4"	14' 6"	12' 8"	10' 8"	13' 9"	12' 0"	10' 1"	13' 2"	11' 6"	9' 8"	12' 2"	10' 8"	9' 0"
	24	25' 8"	20' 5"	17' 10"	15' 11"	13' 11"	11' 9"	14' 6"	12' 8"	10' 8"	13' 5"	11' 9"	9' 11"	12' 8"	11' 0"	9' 4"	12' 0"	10' 6"	8' 10"	11' 6"	10' 0"	8' 5"	10' 6"	9' 4"	7' 10"
400S137-68	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"	14' 0"	12' 2"	10' 4"	13' 0"	11' 4"	9' 7"
	16	28' 5"	22' 7"	19' 8"	17' 7"	15' 5"	13' 0"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"	14' 0"	12' 2"	10' 11"	13' 3"	11' 7"	9' 9"	12' 8"	11' 1"	9' 4"	11' 9"	10' 4"	8' 8"
	24	24' 10"	19' 8"	17' 2"	15' 5"	13' 5"	11' 4"	14' 0"	12' 2"	10' 4"	13' 0"	11' 4"	9' 7"	12' 2"	10' 8"	9' 0"	11' 7"	10' 2"	8' 7"	11' 1"	9' 8"	8' 2"	10' 4"	9' 0"	7' 7"
400S162-68	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"	15' 4"	13' 5"	11' 4"	14' 8"	12' 10"	10' 10"	13' 7"	11' 11"	10' 0"
	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' 11"	12' 2"	10' 3"	13' 4"	11' 8"	9' 10"	12' 4"	10' 10"	9' 1"
	24	26' 0"	20' 8"	18' 1"	16' 2"	14' 1"	11' 11"	14' 8"	12' 10"	10' 10"	13' 7"	11' 11"	10' 0"	12' 10"	11' 2"	9' 5"	12' 2"	10' 8"	9' 0"	11' 8"	10' 2"	8' 7"	10' 10"	9' 5"	8' 0"
400S200-68	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' 2"	11' 11"	15' 6"	13' 6"	11' 5"	14' 5"	12' 7"	10' 7"
	16	31' 6"	25' 0"	21' 10"	19' 6"	17' 1"	14' 5"	17' 9"	15' 6"	13' 1"	16' 6"	14' 5"	12' 2"	15' 6"	13' 6"	11' 5"	14' 9"	12' 10"	10' 10"	14' 1"	12' 4"	9' 4"	13' 1"	11' 5"	9' 8"
	24	27' 6"	21' 10"	19' 1"	17' 1"	14' 11"	12' 7"	15' 6"	13' 6"	11' 5"	14' 5"	12' 7"	10' 7"	13' 6"	11' 10"	10' 0"	12' 10"	11' 3"	9' 6"	12' 4"	10' 9"	9' 1"	11' 5"	10' 0"	8' 5"
550S162-33	12	33' 8"	26' 9"	23' 4"	19' 7"	18' 3"	15' 5"	16' 11"	16' 7"	14' 0"	15' 2"	15' 2"	13' 0"	13' 6"	13' 6"	12' 3"	12' 6"	12' 6"	11' 7"	12' 0"	12' 0"	11' 1"	10' 9"	10' 9"	10' 4"
	16	29' 4"	24' 4"	21' 3"	16' 11"	16' 7"	14' 0"	14' 8"	14' 8"	12' 8"	13' 2"	13' 2"	11' 9"	12' 0"	12' 0"	11' 1"	11' 1"	11' 1"	10' 6"	10' 5"	10' 5"	10' 1"	9' 3"	9' 3"	9' 3"
	24	24' 0"	21' 3"	18' 6"	13' 10"	13' 10"	12' 3"	12' 0"	12' 0"	11' 1"	10' 9"	10' 9"	10' 4"	9' 9"	9' 9"	9' 8"	9' 1"	9' 1"	9' 1"	8' 6"	8' 6"	8' 6"	7' 7"	7' 7"	7' 7"
550S162-43	12	36' 8"	29' 1"	25' 5"	22' 9"	19' 10"	16' 9"	20' 8"	18' 1"	15' 3"	18' 9"	16' 9"	14' 2"	17' 1"	15' 9"	13' 4"	15' 10"	15' 0"	12' 8"	14' 10"	14' 4"	12' 1"	13' 3"	13' 3"	11' 3"
	16	33' 4"	26' 5"	23' 1"	20' 8"	18' 1"	15' 3"	18' 1"	16' 5"	13' 10"	16' 3"	15' 3"	12' 10"	14' 10"	14' 4"	12' 1"	13' 8"	13' 7"	11' 6"	12' 10"	12' 10"	11' 10"	11' 6"	11' 6"	10' 2"
	24	29' 1"	23' 1"	20' 2"	17' 1"	15' 9"	13' 4"	14' 10"	14' 4"	12' 1"	13' 3"	13' 3"	11' 3"	12' 1"	12' 1"	10' 7"	11' 2"	11' 2"	10' 0"	10' 6"	10' 6"	9' 7"	9' 4"	9' 4"	8' 11"
550S162-54	12	39' 4"	31' 3"	27' 3"	24' 5"	21' 4"	18' 0"	22' 2"	19' 4"	16' 4"	20' 7"	18' 0"	15' 2"	19' 4"	16' 11"	14' 3"	18' 5"	16' 1"	13' 7"	17' 7"	15' 4"	13' 0"	16' 4"	14' 3"	12' 0"
	16	35' 9"	28' 5"	24' 9"	22' 2"	19' 4"	16' 4"	20' 2"	17' 7"	14' 10"	18' 8"	16' 4"	13' 9"	17' 7"	15' 4"	13' 0"	16' 8"	14' 7"	12' 4"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"
	24	31' 3"	24' 5"	21' 8"	19' 4"	16' 11"	14' 3"	17' 7"	15' 4"	13' 0"	16' 4"	14' 3"	12' 0"	15' 4"	13' 5"	11' 4"	14' 7"	12' 9"	10' 9"	14' 0"	12' 2"	10' 1"	12' 6"	11' 4"	9' 7"
550S162-68	12	42' 2"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 9"	20' 9"	17' 6"	22' 1"	19' 3"	16' 3"	20' 9"	18' 2"	15' 3"	19' 9"	17' 3"	14' 6"	18' 10"	16' 6"	13' 11"	17' 6"	15' 3"	12' 11"
	16	38' 4"	30' 5"	26' 7"	23' 9"	20' 9"	17' 6"	21' 7"	18' 10"	15' 11"	20' 0"	17' 6"	14' 9"	18' 10"	16' 6"	13' 11"	17' 11"	15' 8"	13' 2"	17' 2"	15' 0"	12' 7"	15' 11"	13' 11"	11' 9"
	24	33' 6"	26' 7"	23' 3"	20' 9"	18' 2"	15' 3"	18' 10"	16' 6"	13' 11"	17' 6"	15' 3"	12' 11"	16' 6"	14' 5"	12' 11"	15' 8"	13' 8"	11' 6"	15' 2"	13' 1"	11' 7"	13' 11"	12' 2"	10' 3"
600S137-33	12	33' 0"	27' 6"	24' 0"	19' 1"	18' 9"	15' 10"	16' 6"	16' 6"	14' 4"	14' 9"	14' 9"	13' 4"	13' 6"	13' 6"	12' 7"	12' 6"	12' 6"	11' 11"	11' 8"	11' 8"	11' 5"	10' 5"	10' 5"	10' 5"
	16	28' 7"	24' 11"	21' 10"	16' 6"	16' 6"	14' 4"	14' 4"	14' 4"	13' 1"	12' 10"	12' 10"	12' 1"	11' 8"	11' 8"	11' 5"	10' 10"	10' 10"	10' 10"	10' 1"	10' 1"	10' 1"	9' 1"	9' 1"	9' 1"
	24	23' 4"	21' 9"	19' 1"	13' 6"	13' 6"	12' 7"	11' 8"	11' 8"	11' 5"	10' 5"	10' 5"	10' 5"	9' 6"	9' 6"										



# Curtain Wall Limiting Heights - Single Span

Section	Fy Spacing (ksi) (in) oc	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	
600S200-68	50	12	47' 7"	37' 9"	33' 0"	29' 6"	25' 9"	21' 9"	26' 9"	23' 5"	19' 9"	24' 10"	21' 9"	18' 4"	23' 5"	20' 5"	17' 3"	22' 3"	19' 5"	16' 4"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"
		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' 11"	15' 8"	13' 2"
		24	37' 9"	29' 11"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	18' 7"	16' 3"	13' 8"	17' 8"	15' 5"	13' 0"	16' 10"	14' 9"	12' 5"	15' 8"	13' 8"	11' 6"
600S137-97	50	12	47' 11"	38' 0"	33' 2"	29' 8"	25' 11"	21' 10"	27' 0"	23' 7"	19' 10"	25' 0"	21' 10"	18' 5"	23' 7"	20' 7"	17' 4"	22' 5"	19' 7"	16' 6"	21' 5"	18' 8"	15' 9"	19' 10"	17' 4"	14' 8"
		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"
		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"	17' 0"	14' 10"	12' 6"	15' 9"	13' 9"	11' 7"
600S162-97	50	12	50' 1"	39' 9"	34' 9"	31' 1"	27' 2"	22' 11"	28' 3"	24' 8"	20' 9"	26' 2"	22' 11"	19' 4"	24' 8"	21' 6"	18' 2"	23' 5"	20' 5"	17' 3"	22' 5"	19' 7"	16' 6"	20' 9"	18' 2"	15' 4"
		16	45' 6"	36' 2"	31' 7"	28' 3"	24' 8"	20' 9"	25' 8"	22' 5"	18' 11"	25' 8"	22' 5"	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"
		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' 6"	14' 5"	12' 2"
600S200-97	50	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"
		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"
		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' 4"	14' 5"	18' 1"	15' 0"	12' 10"
600S162-118	50	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"
		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"
		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	50	12	55' 10"	44' 4"	38' 9"	31' 9"	27' 3"	25' 6"	31' 5"	27' 6"	23' 2"	29' 2"	25' 6"	23' 2"	29' 2"	25' 6"	23' 2"	26' 1"	22' 10"	19' 3"	25' 0"	21' 10"	18' 5"	22' 8"	19' 10"	16' 9"
		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' 9"	20' 9"	17' 6"	22' 8"	19' 10"	16' 9"	21' 1"	18' 5"	15' 6"
		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"
800S137-43	33	12	45' 10"	37' 10"	33' 1"	26' 6"	25' 10"	21' 9"	22' 11"	22' 11"	19' 9"	20' 6"	20' 6"	18' 4"	18' 9"	18' 9"	17' 3"	17' 4"	17' 4"	16' 5"	16' 3"	16' 3"	15' 8"	14' 6"	14' 6"	14' 6"
		16	39' 9"	34' 4"	30' 0"	22' 11"	22' 11"	19' 9"	19' 10"	19' 10"	18' 0"	17' 9"	17' 9"	16' 8"	16' 3"	16' 3"	15' 8"	15' 0"	15' 0"	14' 11"	14' 1"	14' 1"	14' 1"	12' 7"	12' 7"	12' 7"
		24	32' 5"	29' 11"	26' 3"	18' 9"	18' 9"	17' 3"	16' 3"	16' 3"	15' 8"	14' 6"	14' 6"	14' 6"	13' 3"	13' 3"	13' 3"	12' 3"	12' 3"	12' 3"	11' 6"	11' 6"	11' 6"	10' 3"	10' 3"	10' 3"
800S162-43	33	12	49' 2"	39' 4"	34' 4"	28' 6"	26' 10"	22' 7"	24' 9"	24' 4"	20' 7"	22' 1"	22' 1"	19' 1"	20' 2"	20' 2"	17' 11"	18' 8"	18' 8"	17' 1"	17' 6"	17' 6"	16' 4"	15' 8"	15' 8"	15' 2"
		16	42' 10"	35' 8"	31' 2"	24' 9"	24' 4"	20' 7"	21' 5"	21' 5"	18' 8"	19' 2"	19' 2"	17' 4"	17' 6"	17' 6"	16' 4"	16' 2"	16' 2"	15' 6"	15' 2"	15' 2"	14' 10"	13' 6"	13' 6"	13' 6"
		24	34' 11"	31' 1"	27' 3"	20' 2"	20' 2"	17' 11"	17' 6"	17' 6"	16' 4"	15' 8"	15' 8"	15' 2"	14' 3"	14' 3"	14' 3"	13' 3"	13' 3"	13' 3"	12' 4"	12' 4"	12' 4"	11' 1"	11' 1"	11' 1"
800S200-43	33	12	51' 10"	41' 1"	35' 11"	30' 6"	28' 1"	23' 8"	26' 5"	25' 6"	21' 6"	23' 8"	23' 8"	19' 11"	21' 7"	21' 7"	18' 9"	20' 0"	20' 0"	17' 10"	18' 8"	18' 8"	17' 1"	16' 9"	16' 9"	15' 10"
		16	45' 10"	37' 4"	32' 8"	26' 5"	25' 6"	21' 6"	22' 11"	22' 11"	19' 6"	20' 6"	20' 6"	18' 2"	18' 8"	18' 8"	17' 1"	17' 4"	17' 4"	16' 2"	16' 2"	16' 2"	15' 6"	14' 6"	14' 6"	14' 5"
		24	37' 5"	32' 8"	28' 6"	21' 7"	21' 7"	18' 9"	18' 8"	18' 8"	17' 1"	16' 9"	16' 9"	15' 10"	15' 3"	15' 3"	14' 11"	14' 2"	14' 2"	14' 2"	13' 3"	13' 3"	13' 3"	11' 10"	11' 10"	11' 10"
800S137-54	50	12	51' 2"	40' 7"	35' 6"	31' 9"	27' 8"	23' 4"	28' 10"	25' 2"	21' 3"	26' 9"	23' 4"	19' 9"	25' 2"	22' 0"	18' 7"	23' 3"	20' 11"	17' 7"	21' 9"	19' 9"	16' 8"	19' 6"	18' 7"	15' 8"
		16	46' 5"	36' 11"	32' 3"	28' 10"	25' 2"	21' 3"	26' 2"	22' 10"	19' 3"	23' 10"	21' 3"	17' 11"	21' 9"	20' 0"	16' 10"	20' 2"	19' 0"	16' 0"	18' 10"	18' 2"	15' 4"	16' 10"	16' 10"	14' 3"
		24	40' 6"	32' 3"	28' 2"	25' 2"	22' 0"	18' 7"	21' 9"	20' 0"	16' 10"	19' 6"	18' 7"	15' 8"	17' 9"	17' 5"	14' 9"	16' 6"	16' 6"	14' 0"	15' 5"	15' 5"	13' 4"	13' 9"	13' 9"	12' 5"
800S162-54	50	12	53' 2"	42' 3"	36' 10"	33' 0"	28' 10"	24' 3"	29' 11"	26' 2"	22' 1"	27' 10"	24' 3"	20' 6"	26' 2"	22' 10"	19' 3"	24' 10"	21' 9"	18' 4"	23' 5"	20' 9"	17' 6"	20' 11"	19' 3"	16' 3"
		16	48' 4"	38' 4"	33' 6"	29' 11"	26' 2"	22' 1"	27' 3"	23' 9"	18' 7"	25' 3"	22' 1"	18' 7"	23' 5"	20' 9"	17' 6"	21' 8"	19' 9"	16' 8"	21' 8"	18' 10"	15' 11"	18' 1"	17' 6"	14' 9"
		24	42' 1"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 5"	20' 9"	17' 6"	20' 11"	19' 3"	16' 3"	19' 1"	18' 2"	15' 4"	17' 8"	17' 3"	14' 6"	16' 6"	16' 6"	13' 11"	14' 9"	14' 9"	12' 11"
800S200-54	50	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' 0"	22' 9"	19' 2"	24' 10"	21' 9"	18' 4"	22' 4"	20' 2"	17' 0"
		16	50' 7"	40' 2"	35' 1"	31' 4"	27' 5"	23' 1"	28' 6"	24' 10"	21' 0"	26' 5"	23' 1"	19' 6"	24' 10"	21' 9"	18' 4"	23' 1"	20' 8"	17' 5"	21' 7"	19' 9"	16' 8"	19' 4"	18' 4"	15' 5"
		24	44' 2"	35' 1"	30' 8"	24' 10"	21' 9"	18' 4"	24' 10"	21' 9"	18' 4"	26' 4"	20' 2"	17' 0"	20' 5"	19' 0"	16' 0"	18' 10"	18' 0"	15' 2"	17' 8"	17' 3"	14' 7"	15' 9"	15' 9"	13' 6"
800S137-68	50	12	54' 11"	43' 7"	38' 1"	34' 0"	29' 9"	25' 1"	30' 11"	27' 0"	22' 9"	28' 8"	25' 1"	21' 2"	27' 0"	23' 7"	19' 11"	25' 8"	22' 5"	18' 11"	24' 6"	21' 5"	18' 1"	22' 9"	19' 11"	16' 9"
		16	49' 10"	39' 7"	34' 7"	30' 11"	27' 0"	22' 9"	28' 1"	24' 6"	20' 8"	26' 1"	22' 9"	19' 2"	24' 6"	21' 5"	18' 1"	23' 4"	20' 4"	17' 2"	22' 3"	19' 6"	16' 5"	19' 11"	18' 1"	15' 3"
		24	43' 7"	34' 7"	30' 2"	27' 0"	23' 7"	19' 11"	24' 6"	21' 5"	18' 1"	22' 9"	19' 11"	16' 9"	21' 0"	18' 9"	15' 9"	19' 5"	17' 9"	15' 0"	18' 2"	17' 0"	14' 4"	16' 3"	15' 9"	13' 4"
800S162-68	50	12	57' 1"	45' 4"	39' 7"	35' 4"	30' 11"	26' 1"	32' 2"	28' 1"	23' 8"	29' 10"	26' 1"	22' 0"	28' 1"	24' 6"	20' 8"	26' 8"	23' 4"	19' 8"	25' 6"	22' 3"	18' 10"	23' 8"	20' 9"	17' 5"
		16	51' 10"	41' 2"	35' 11"	32' 2"	28' 1"	23' 8"	29' 2"	25' 6"	21' 6"	27' 1"	23' 8"	20' 0"	25' 6"	22										



# Curtain Wall Limiting Heights - Double Span



Section	Fy (ksi)	Spacing (in) oc	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	25' 10"	25' 3"	22' 0"	14' 9"	14' 9"	14' 6"	12' 8"	12' 8"	12' 8"	11' 3"	11' 3"	11' 3"	10' 2"	10' 2"	10' 2"	9' 4"	9' 4"	9' 4"	8' 8"	8' 8"	8' 8"	7' 8"	7' 8"	7' 8"
		16	22' 4"	22' 4"	20' 0"	12' 8"	12' 8"	12' 8"	10' 10"	10' 10"	10' 10"	9' 8"	9' 8"	9' 8"	8' 8"	8' 8"	8' 8"	8' 0"	8' 0"	8' 0"	7' 5"	7' 5"	7' 5"	6' 6"	6' 6"	6' 6"
		24	18' 2"	18' 2"	17' 6"	10' 2"	10' 2"	10' 2"	8' 8"	8' 8"	8' 8"	7' 8"	7' 8"	7' 8"	6' 11"	6' 11"	6' 11"	6' 4"	6' 4"	6' 4"	5' 10"	5' 10"	5' 10"	5' 1"	5' 1"	5' 1"
350S162-43	33	12	30' 6"	27' 5"	24' 0"	17' 5"	17' 5"	15' 9"	15' 0"	15' 0"	14' 4"	13' 4"	13' 4"	13' 4"	12' 1"	12' 1"	12' 1"	11' 2"	11' 2"	11' 2"	10' 4"	10' 4"	10' 4"	9' 2"	9' 2"	9' 2"
		16	26' 4"	24' 11"	21' 9"	15' 0"	15' 0"	14' 4"	12' 10"	12' 10"	12' 10"	11' 5"	11' 5"	11' 5"	10' 4"	10' 4"	10' 4"	9' 6"	9' 6"	9' 6"	8' 10"	8' 10"	8' 10"	7' 9"	7' 9"	7' 9"
		24	21' 5"	21' 5"	19' 0"	12' 1"	12' 1"	12' 1"	10' 4"	10' 4"	10' 4"	9' 2"	9' 2"	9' 2"	8' 3"	8' 3"	8' 3"	7' 7"	7' 7"	7' 7"	7' 0"	7' 0"	7' 0"	6' 1"	6' 1"	6' 1"
350S162-54	50	12	37' 0"	29' 5"	25' 8"	22' 1"	20' 1"	16' 11"	20' 3"	18' 3"	15' 4"	18' 0"	16' 11"	14' 3"	16' 4"	15' 11"	13' 5"	15' 1"	15' 1"	12' 9"	14' 1"	14' 1"	12' 2"	12' 5"	12' 5"	11' 4"
		16	33' 8"	26' 9"	23' 4"	20' 3"	18' 3"	15' 4"	17' 5"	16' 7"	14' 0"	15' 6"	15' 4"	13' 0"	14' 1"	14' 1"	12' 2"	12' 11"	12' 11"	11' 7"	12' 0"	12' 0"	11' 1"	10' 7"	10' 7"	10' 3"
		24	28' 11"	23' 4"	20' 5"	16' 4"	15' 11"	13' 5"	14' 1"	14' 1"	12' 2"	12' 5"	12' 5"	11' 4"	11' 3"	11' 3"	10' 8"	10' 4"	10' 4"	10' 1"	9' 7"	9' 7"	9' 7"	8' 5"	8' 5"	8' 5"
350S162-68	50	12	39' 7"	31' 5"	27' 6"	24' 7"	21' 5"	18' 1"	22' 4"	19' 6"	16' 5"	20' 3"	18' 1"	15' 3"	18' 4"	17' 0"	14' 4"	16' 11"	16' 2"	13' 8"	15' 8"	15' 6"	13' 1"	13' 10"	13' 10"	12' 1"
		16	36' 0"	28' 7"	24' 11"	22' 4"	19' 6"	16' 5"	19' 7"	17' 8"	14' 11"	17' 4"	16' 5"	13' 10"	15' 8"	15' 6"	13' 1"	14' 5"	14' 5"	12' 5"	13' 4"	13' 4"	11' 10"	11' 9"	11' 9"	11' 0"
		24	31' 5"	24' 11"	21' 10"	18' 4"	17' 0"	14' 4"	15' 8"	15' 6"	13' 1"	13' 1"	13' 10"	13' 10"	12' 1"	12' 6"	11' 5"	11' 5"	10' 10"	10' 6"	10' 6"	10' 4"	9' 2"	9' 2"	9' 2"	

*"a" web stiffeners required at ends and interior supports.*

*"e" web stiffeners required at ends.*

*"i" web stiffeners required at interior support.*

See Table Notes on page 30.



# Curtain Wall Limiting Heights - Double Span

Section	Fy (ksi)	Spacing (in) oc	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																																																																																																																																							
			400S162-54	50	12	41' 1"	32' 7"	28' 6"	25' 6"	22' 3"	18' 9"	22' 0"	20' 3"	17' 1"	19' 7"	18' 9"	15' 10"	17' 10"	17' 8"	14' 11"	16' 6"	16' 6"	14' 2"	15' 4"	15' 4"	13' 6"	13' 8"	13' 8"	12' 7"	16	37' 4"	29' 8"	25' 11"	22' 0"	20' 3"	17' 1"	19' 0"	18' 4"	15' 6"	16' 11"	16' 11"	14' 5"	15' 4"	15' 4"	13' 6"	14' 2"	14' 2"	12' 10"	13' 2"	13' 2"	12' 4"	11' 8"	11' 8"	11' 5"	24	31' 4"	25' 11"	22' 7"	17' 10"	17' 10"	14' 11"	15' 4"	15' 4"	13' 6"	13' 8"	13' 8"	12' 7"	12' 4"	11' 5"	11' 5"	9' 4"	9' 4"	9' 4"	12	43' 5"	34' 5"	30' 1"	26' 9"	23' 6"	19' 10"	23' 1"	21' 4"	18' 0"	20' 7"	19' 10"	16' 8"	18' 8"	18' 8"	15' 9"	16' 1"	16' 1"	14' 3"	17' 3"	17' 3"	14' 11"	16' 1"	16' 1"	14' 3"	14' 3"	14' 3"	13' 3"	14' 3"	14' 3"	13' 3"	14' 3"	14' 3"	13' 3"	12	39' 5"	31' 3"	27' 4"	23' 1"	21' 4"	18' 0"	19' 11"	19' 5"	16' 4"	17' 8"	17' 8"	15' 2"	16' 1"	16' 1"	14' 3"	14' 10"	14' 10"	13' 7"	13' 10"	13' 10"	13' 0"	12' 3"	12' 3"	12' 1"	9' 9"	9' 9"	9' 9"	24	32' 10"	27' 4"	23' 10"	18' 8"	18' 8"	15' 9"	16' 1"	16' 1"	14' 3"	14' 3"	14' 3"	13' 3"	12' 11"	12' 11"	12' 6"	11' 11"	11' 11"	11' 10"	11' 1"	11' 1"	11' 1"	11' 1"	11' 1"	11' 1"	11' 1"

"a" web stiffeners required at ends and interior supports.

"e" web stiffeners required at ends.

"f" web stiffeners required at interior support.

See Table Notes on page 30.

# Curtain Wall Limiting Heights - Double Span



Section	F <sub>y</sub> (ksi)	Spacing (in) oc	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
600S200-97 50	12	70' 9"	56' 2"	49' 1"	43' 10"	38' 4"	32' 4"	39' 10"	34' 10"	29' 4"	37' 0"	32' 4"	27' 3"	34' 10"	30' 5"	25' 8"	33' 1"	28' 11"	24' 4"	31' 8"	27' 8"	23' 4"	28' 11"	25' 8"	21' 8"	
	16	64' 4"	51' 0"	44' 7"	39' 10"	34' 10"	29' 4"	36' 3"	31' 8"	26' 8"	33' 7"	29' 4"	24' 9"	31' 8"	27' 8"	23' 4"	29' 11"	26' 3"	22' 2"	28' 0"	25' 1"	21' 2"	24' 11"	23' 4"	19' 8"	
	24	56' 2"	44' 7"	38' 11"	34' 10"	30' 5"	25' 8"	31' 8"	27' 8"	23' 4"	28' 11"	25' 8"	21' 8"	26' 4"	24' 2"	20' 4"	24' 4"	22' 11"	19' 4"	22' 8"	21' 11"	18' 6"	20' 2"	20' 2"	17' 2"	
600S162-118 50	12	70' 11"	56' 4"	49' 2"	44' 0"	38' 5"	32' 5"	39' 11"	34' 11"	29' 5"	37' 1"	32' 5"	27' 4"	34' 11"	30' 6"	25' 9"	33' 2"	29' 0"	24' 5"	31' 8"	27' 8"	23' 4"	29' 5"	25' 9"	21' 8"	
	16	64' 5"	51' 2"	44' 8"	39' 11"	34' 11"	29' 5"	36' 4"	31' 8"	26' 9"	33' 8"	29' 5"	24' 10"	31' 8"	27' 8"	23' 4"	30' 1"	26' 4"	22' 2"	28' 10"	25' 2"	21' 3"	25' 8"	23' 4"	19' 8"	
	24	56' 4"	44' 8"	39' 0"	34' 11"	30' 6"	25' 9"	31' 8"	27' 8"	23' 4"	29' 5"	25' 9"	21' 8"	27' 1"	24' 2"	20' 5"	25' 0"	23' 0"	19' 5"	23' 4"	22' 0"	18' 7"	20' 9"	20' 5"	17' 3"	
600S200-118 50	12	74' 10"	59' 5"	51' 11"	46' 5"	40' 6"	34' 2"	42' 2"	36' 10"	31' 1"	39' 2"	34' 2"	28' 10"	36' 10"	32' 2"	27' 2"	35' 0"	30' 7"	25' 9"	33' 5"	29' 3"	24' 8"	31' 1"	27' 2"	22' 11"	
	16	68' 0"	54' 0"	47' 2"	42' 2"	36' 10"	31' 1"	38' 4"	33' 5"	28' 3"	35' 7"	31' 1"	26' 2"	33' 5"	29' 3"	24' 8"	31' 9"	27' 9"	23' 5"	30' 5"	26' 7"	22' 5"	27' 3"	24' 8"	20' 10"	
	24	59' 5"	47' 2"	41' 2"	36' 10"	32' 2"	27' 2"	33' 5"	29' 3"	24' 8"	31' 1"	27' 2"	22' 11"	28' 10"	25' 6"	21' 6"	26' 7"	24' 3"	20' 5"	24' 9"	23' 2"	19' 7"	22' 0"	21' 6"	18' 2"	
800S137-33 33	12	37' 10"	37' 10"	37' 10"	21' 10"	21' 10"	21' 10"	18' 10"	18' 10"	18' 10"	16' 7"	16' 7"	16' 7"	14' 10"	14' 10"	14' 10"	13' 6"	13' 6"	13' 6"	12' 5"	12' 5"	12' 5"	10' 9"	10' 9"	10' 9"	
	16	32' 9"	32' 9"	32' 9"	18' 10"	18' 10"	18' 10"	15' 11"	15' 11"	15' 11"	13' 11"	13' 11"	13' 11"	12' 5"	12' 5"	12' 5"	11' 3"	11' 3"	11' 3"	10' 4"	10' 4"	10' 4"	8' 10"	8' 10"	8' 10"	
	24	26' 9"	26' 9"	26' 9"	14' 10"	14' 10"	14' 10"	12' 5"	12' 5"	12' 5"	10' 9"	10' 9"	10' 9"	9' 6"	9' 6"	9' 6"	8' 6"	8' 6"	8' 6"	7' 9"	7' 9"	7' 9"	6' 6"	6' 6"	6' 6"	
800S162-33 33	12	41' 0"	41' 0"	41' 0"	23' 6"	23' 6"	23' 6"	19' 11"	19' 11"	19' 11"	17' 6"	17' 6"	17' 6"	15' 8"	15' 8"	15' 8"	14' 2"	14' 2"	14' 2"	13' 0"	13' 0"	13' 0"	11' 3"	11' 3"	11' 3"	
	16	35' 6"	35' 6"	35' 6"	19' 11"	19' 11"	19' 11"	16' 10"	16' 10"	16' 10"	14' 8"	14' 8"	14' 8"	13' 0"	13' 0"	13' 0"	11' 9"	11' 9"	11' 9"	10' 9"	10' 9"	10' 9"	9' 2"	9' 2"	9' 2"	
	24	29' 0"	29' 0"	29' 0"	15' 8"	15' 8"	15' 8"	13' 0"	13' 0"	13' 0"	11' 3"	11' 3"	11' 3"	9' 10"	9' 10"	9' 10"	8' 10"	8' 10"	8' 10"	8' 0"	8' 0"	8' 0"	6' 8"	6' 8"	6' 8"	
800S200-33 33	12	44' 0"	44' 0"	44' 0"	25' 0"	25' 0"	25' 0"	21' 1"	21' 1"	21' 1"	18' 3"	18' 3"	18' 3"	16' 6"	16' 6"	16' 6"	14' 11"	14' 11"	14' 11"	13' 0"	13' 0"	13' 0"	11' 8"	11' 8"	11' 8"	
	16	38' 1"	38' 1"	38' 1"	21' 1"	21' 1"	21' 1"	17' 9"	17' 9"	17' 9"	15' 5"	15' 5"	15' 5"	13' 8"	13' 8"	13' 8"	12' 3"	12' 3"	12' 3"	11' 2"	11' 2"	11' 2"	9' 6"	9' 6"	9' 6"	
	24	31' 1"	31' 1"	31' 1"	16' 6"	16' 6"	16' 6"	13' 8"	13' 8"	13' 8"	11' 8"	11' 8"	11' 8"	10' 3"	10' 3"	10' 3"	9' 1"	9' 1"	9' 1"	8' 2"	8' 2"	8' 2"	6' 10"	6' 10"	6' 10"	
800S137-43 33	12	45' 10"	45' 10"	44' 0"	26' 6"	26' 6"	26' 6"	22' 11"	22' 11"	22' 11"	20' 6"	20' 6"	20' 6"	18' 9"	18' 9"	18' 9"	17' 4"	17' 4"	17' 4"	16' 3"	16' 3"	16' 3"	14' 6"	14' 6"	14' 6"	
	16	39' 9"	39' 9"	39' 9"	22' 11"	22' 11"	22' 11"	19' 10"	19' 10"	19' 10"	17' 9"	17' 9"	17' 9"	16' 3"	16' 3"	16' 3"	15' 0"	15' 0"	15' 0"	14' 9"	14' 9"	14' 9"	12' 5"	12' 5"	12' 5"	
	24	32' 5"	32' 5"	32' 5"	18' 9"	18' 9"	18' 9"	16' 3"	16' 3"	16' 3"	14' 6"	14' 6"	14' 6"	13' 2"	13' 2"	13' 2"	12' 1"	12' 1"	12' 1"	11' 2"	11' 2"	11' 2"	9' 10"	9' 10"	9' 10"	
800S162-43 33	12	49' 5"	49' 5"	45' 10"	28' 6"	28' 6"	28' 6"	24' 9"	24' 9"	24' 9"	22' 1"	22' 1"	22' 1"	20' 2"	20' 2"	20' 2"	18' 8"	18' 8"	18' 8"	17' 6"	17' 6"	17' 6"	15' 5"	15' 5"	15' 5"	
	16	42' 10"	42' 10"	41' 7"	24' 9"	24' 9"	24' 9"	21' 5"	21' 5"	21' 5"	19' 2"	19' 2"	19' 2"	17' 6"	17' 6"	17' 6"	16' 1"	16' 1"	16' 1"	14' 11"	14' 11"	14' 11"	13' 1"	13' 1"	13' 1"	
	24	34' 11"	34' 11"	34' 11"	20' 2"	20' 2"	20' 2"	17' 6"	17' 6"	17' 6"	15' 5"	15' 5"	15' 5"	13' 11"	13' 11"	13' 11"	12' 9"	12' 9"	12' 9"	11' 9"	11' 9"	11' 9"	10' 4"	10' 4"	10' 4"	
800S200-43 33	12	52' 11"	52' 11"	48' 2"	30' 6"	30' 6"	30' 6"	26' 5"	26' 5"	26' 5"	23' 8"	23' 8"	23' 8"	21' 7"	21' 7"	21' 7"	20' 0"	20' 0"	20' 0"	18' 8"	18' 8"	18' 8"	16' 9"	16' 9"	16' 9"	
	16	45' 10"	45' 10"	43' 9"	26' 5"	26' 5"	26' 5"	22' 11"	22' 11"	22' 11"	20' 6"	20' 6"	20' 6"	18' 8"	18' 8"	18' 8"	17' 4"	17' 4"	17' 4"	16' 2"	16' 2"	16' 2"	14' 6"	14' 6"	14' 6"	
	24	37' 5"	37' 5"	37' 5"	21' 7"	21' 7"	21' 7"	18' 8"	18' 8"	18' 8"	16' 9"	16' 9"	16' 9"	15' 3"	15' 3"	15' 3"	14' 1"	14' 1"	14' 1"	12' 11"	12' 11"	12' 11"	11' 3"	11' 3"	11' 3"	
800S137-54 50	12	61' 7"	54' 5"	47' 7"	35' 7"	35' 7"	31' 4"	30' 10"	30' 10"	28' 6"	27' 7"	27' 7"	26' 5"	25' 2"	25' 2"	24' 10"	23' 3"	23' 3"	23' 3"	21' 9"	21' 9"	21' 9"	19' 6"	19' 6"	19' 6"	
	16	53' 4"	49' 4"	43' 3"	30' 10"	30' 10"	28' 6"	26' 8"	26' 8"	25' 10"	23' 10"	23' 10"	23' 10"	21' 9"	21' 9"	21' 9"	20' 2"	20' 2"	20' 2"	18' 10"	18' 10"	18' 10"	16' 10"	16' 10"	16' 10"	
	24	43' 7"	43' 0"	37' 9"	25' 2"	25' 2"	24' 10"	21' 9"	21' 9"	21' 9"	19' 6"	19' 6"	19' 6"	17' 9"	17' 9"	17' 9"	16' 6"	16' 6"	16' 6"	15' 5"	15' 5"	15' 5"	13' 9"	13' 9"	13' 9"	
800S162-54 50	12	66' 2"	56' 7"	49' 5"	38' 2"	38' 2"	32' 7"	33' 1"	33' 1"	29' 7"	29' 7"	29' 7"	27' 0"	27' 0"	25' 10"	25' 0"	25' 0"	24' 7"	23' 5"	23' 5"	23' 5"	20' 11"	20' 11"	20' 11"		
	16	57' 3"	51' 4"	44' 11"	33' 1"	33' 1"	29' 7"	28' 8"	28' 8"	26' 10"	25' 7"	25' 7"	24' 11"	23' 5"	23' 5"	23' 5"	21' 8"	21' 8"	21' 8"	20' 3"	20' 3"	20' 3"	18' 1"	18' 1"	18' 1"	
	24	46' 9"	44' 9"	39' 3"	27' 0"	27' 0"	25' 10"	23' 5"	23' 5"	23' 5"	20' 11"	20' 11"	20' 11"	19' 1"	19' 1"	19' 1"	17' 8"	17' 8"	17' 8"	16' 6"	16' 6"	16' 6"	14' 9"	14' 9"	14' 9"	
800S200-54 50	12	70' 7"	59' 3"	51' 9"	40' 9"	40' 5"	34' 1"	35' 4"	35' 4"	30' 11"	31' 7"	31' 7"	28' 9"	28' 10"	28' 10"	27' 0"	26' 8"	26' 8"	25' 8"	24' 11"	24' 11"	24' 7"	22' 4"	22' 4"	22' 4"	
	16	61' 2"	53' 10"	47' 0"	35' 4"	35' 4"	30' 11"	30' 7"	30' 7"	28' 1"	27' 4"	27' 4"	26' 1"	24' 11"	24' 11"	24' 7"	23' 1"	23' 1"	23' 1"	21' 7"	21' 7"	21' 7"	19' 4"	19' 4"	19' 4"	
	24	49' 11"	47' 0"	41' 1"	28' 10"	28' 10"	27' 0"	24' 11"	24' 11"	24' 7"	22' 4"	22' 4"	22' 4"	20' 11"	20' 11"	20' 11"	18' 10"	18' 10"	18' 10"	17' 8"	17' 8"	17' 8"	15' 9"	15' 9"	15' 9"	
800S137-68 50	12	72' 8"	58' 5"	51' 0"	41' 11"	39' 10"	33' 7"	36' 4"	36' 2"	30' 6"	32' 6"	32' 6"	28' 4"	29' 8"	29' 8"	26' 8"	27' 5"	27' 5"	25' 4"	25' 8"	25' 8"	24' 3"	23' 0"	23' 0"	22' 6"	
	16	62' 11"	53' 1"	46' 4"	36' 4"	36' 2"	30' 6"	31' 5"	31' 5"	27' 9"	28' 2"	28' 2"	25' 9"	25' 8"	25' 8"	24' 3"	23' 9"	23' 9"	23' 0"	22' 3"	22' 3"	22' 0"	19' 11"	19' 11"	19' 11"	
	24	51' 4"	46' 4"	40' 6"	29' 8"	29' 8"	26' 8"	25' 8"	25' 8"	24' 3"	23' 0"	23' 0"	22' 6"	21' 0"	21' 0"	21' 0"	19' 5"	19' 5"	19' 5"	18' 2"	18' 2"	18' 2"	16' 3"	16' 3"	16' 3"	
800S162-68 50	12	76' 6"	60' 9"	53' 1"	44' 9"	41' 5"	34' 11"	38' 9"	37' 8"	31' 9"	34' 8"	34' 8"	29' 6"	31' 8"	31' 8"	27' 9"	29' 4"	29' 4"	26' 4"	27' 5"	27' 5"	25' 2"	24' 6"	24' 6"	23' 5"	
	16	67' 2"	55' 2"	48' 2"	38' 9"	37' 8"	31' 9"	33' 7"	33' 7"	28' 10"	30' 0"	30' 0"	26' 9"	27' 5"	27' 5"	25' 2"	25' 5"	25' 5"	23' 11"	23' 9"	23' 9"	22' 11"	21' 3"	21' 3"	21' 3"	
	24	54' 10"	48' 2"	42' 1"	31' 8"	31' 8"	27' 9"	27' 5"	27' 5"	25' 2"	24' 6"	24' 6"	23' 5"	22' 5"	22' 5"	22' 0"	20' 9"	20' 9"	20' 9"	19' 5"	19' 5"	19' 5"	17' 4"	17' 4"	17' 4"	
800S200-68 50	12	80' 1"	63' 7"	55' 7"	49' 4"	43' 5"	36' 7"	42' 8"	39' 5"	33' 3"	38' 2"	36' 7"	30' 10"	34' 10"	34' 5"	29' 0"	32' 3"	32' 3"	27' 7"	30' 2"	30' 2"	26' 5"	27' 0"	27' 0"	24' 6"	
	16	72' 9"	57' 1"	50' 6"	42' 8"	39' 5"	33' 3"	37' 0"	35' 10"	30' 2"	33' 1"	33' 1"	28' 0"	30' 2"	30' 2"	26' 5"	27' 11"	27' 11"	25' 1"	26' 2"	26' 2"	24' 0"	23' 5"	23' 5"	22' 3"	
	24	60' 5"	50' 6"	44' 1"	34' 10"	34' 5"	29' 0"	30' 2"	30' 2"	26' 5"	27' 0"	27' 0"	24' 6"	24' 8"	24' 8"	23' 1"	22' 10"	22' 10"	21' 11"	21' 4"	21' 4"	20' 11"	19' 1"	19' 1"	19' 1"	



# Curtain Wall Limiting Heights

## Table Notes

1. Listed wind pressures represent calculated designed wind pressure (1.0 W based on 2009 IBC or 0.6 W based on 2012 IBC). For deflection calculations, listed wind pressures have been reduced by 0.70 as allowed by IBC. The 5 psf pressure has not been reduced for deflection checks.
2. Studs must be braced against rotation and lateral movement at all supports. See typical bracing details on page 74.
3. Shear and web crippling capacity at end supports have **not** been reduced for punchouts. Shear and web crippling capacity at interior support have been reduced for the presence of punchout adjacent to the support.
4. Studs are assumed to be adequately braced at a maximum spacing of  $L_u$  to develop full allowable moment.
5. Web crippling check is based on 1" of bearing at end supports and 3" of bearing at interior support.
6. Combined bending and shear check at interior support is based on unreinforced web per AISI S100 (Eq. C3.3.1-1). Shear capacity and combined bending and shear check at interior support have been reduced for the presence of punchouts adjacent to support.
7. See page 5 for additional table notes.

SUPREME Curtain Wall Limiting Heights																										
Section	Fy (ksi)	Spacing (in) oc	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
350SFS162-33EQS 57	12	22' 4"	17' 8"	15' 5"	13' 10"	12' 1"	10' 2"	12' 6"	10' 11"	9' 3"	11' 8"	10' 2"	8' 7"	10' 11"	9' 7"	8' 1"	10' 5"	9' 1"	-	9' 11"	8' 8"	-	8' 11" e	8' 1"	-	
		16	20' 3"	16' 1"	14' 0"	12' 6"	10' 11"	9' 3"	11' 5"	9' 11"	8' 5"	10' 7"	9' 3"	-	9' 11"	8' 8"	-	9' 3" e	8' 3"	-	8' 8" e	-	-	-	-	-
		24	17' 8"	14' 0"	12' 3"	10' 11"	9' 7"	8' 1"	9' 11"	8' 8"	-	8' 11" e	8' 1"	-	8' 2" e	-	-	-	-	-	-	-	-	-	-	-
350SFS162-43EQS 57	12	24' 10"	19' 8"	17' 2"	15' 4"	13' 5"	11' 4"	13' 11"	12' 2"	10' 3"	12' 11"	11' 4"	9' 6"	12' 2"	10' 8"	9' 0"	11' 7"	10' 1"	8' 6"	11' 1"	9' 8"	8' 2"	10' 3" e	9' 0"	-	
		16	22' 6"	17' 10"	15' 7"	13' 11"	12' 2"	10' 3"	12' 8"	11' 1"	9' 4"	11' 9"	10' 3"	8' 8"	11' 1"	9' 8"	8' 2"	10' 6"	9' 2"	-	10' 1"	8' 9"	-	9' 4" e	8' 2"	-
		24	19' 8"	15' 7"	13' 8"	12' 2"	10' 8"	9' 0"	11' 1"	9' 8"	8' 2"	10' 3"	9' 0"	-	9' 8"	8' 5"	-	9' 1"	8' 0"	-	8' 6"	-	-	-	-	-
350SFS200-43EQS 57	12	25' 9"	20' 5"	17' 10"	16' 2"	14' 1"	11' 11"	14' 8"	12' 10"	10' 10"	13' 7"	11' 11"	10' 0"	12' 10"	11' 2"	9' 5"	12' 2"	10' 8"	9' 0"	11' 8"	10' 2"	8' 7"	10' 10" e	9' 5"	8' 0"	
		16	23' 4"	18' 6"	16' 2"	14' 8"	12' 10"	10' 10"	13' 4"	11' 8"	9' 10"	12' 4"	10' 10"	9' 1"	11' 8"	10' 2"	8' 7"	11' 1"	9' 8"	8' 2"	10' 7" e	9' 3"	-	9' 6" e	8' 7"	-
		24	20' 4"	16' 2"	14' 2"	12' 10"	11' 2"	9' 5"	11' 8"	10' 2"	8' 7"	10' 10"	9' 5"	8' 0"	10' 1"	8' 11"	-	9' 4"	8' 5"	-	8' 9"	8' 1"	-	-	-	-
362SFS162-33EQS 57	12	22' 11"	18' 2"	15' 11"	14' 2"	12' 5"	10' 5"	12' 11"	11' 3"	9' 6"	12' 0"	10' 5"	8' 10"	11' 3"	9' 10"	8' 3"	10' 8"	9' 4"	-	10' 2"	8' 11"	-	9' 1" e	8' 3"	-	
		16	20' 10"	16' 6"	14' 5"	12' 11"	11' 3"	9' 6"	11' 8"	10' 3"	8' 7"	10' 10"	9' 6"	8' 0"	10' 2"	8' 11"	-	9' 5" e	8' 6"	-	8' 10" e	8' 1" e	-	-	-	-
		24	18' 2"	14' 5"	12' 7"	11' 3"	9' 10"	8' 3"	10' 2"	8' 11"	-	9' 1" e	8' 3"	-	8' 3" e	-	-	-	-	-	-	-	-	-	-	-
362SFS162-43EQS 57	12	25' 6"	20' 3"	17' 8"	15' 9"	13' 9"	11' 7"	14' 4"	12' 6"	10' 7"	13' 4"	11' 7"	9' 11"	12' 6"	10' 11"	9' 2"	11' 11"	10' 5"	8' 9"	11' 4"	9' 11"	8' 4"	10' 7" e	9' 2"	7' 9"	
		16	23' 2"	18' 4"	16' 0"	14' 4"	12' 6"	10' 7"	13' 0"	11' 4"	9' 7"	12' 1"	10' 7"	8' 11"	11' 4"	9' 11"	8' 4"	10' 10"	9' 5"	7' 11"	10' 4"	9' 0"	7' 7"	9' 6" e	8' 4"	7' 1"
		24	20' 3"	16' 0"	14' 0"	12' 6"	10' 11"	9' 2"	11' 4"	9' 11"	8' 4"	10' 7"	9' 2"	7' 9"	9' 11"	8' 8"	7' 4"	9' 3"	8' 3"	6' 11"	8' 8"	7' 10"	6' 8"	7' 9" e	7' 4"	6' 2"
362SFS200-43EQS 57	12	26' 5"	21' 0"	18' 4"	16' 7"	14' 6"	12' 3"	15' 1"	13' 2"	11' 1"	14' 0"	12' 3"	10' 4"	13' 2"	11' 6"	9' 8"	12' 6"	10' 11"	9' 3"	11' 11"	10' 5"	8' 10"	11' 1"	9' 8"	8' 2"	
		16	24' 0"	19' 1"	16' 8"	15' 1"	13' 2"	11' 1"	13' 8"	11' 11"	10' 1"	12' 8"	11' 1"	9' 4"	11' 11"	10' 5"	8' 10"	11' 4"	9' 11"	8' 4"	10' 10"	9' 6"	8' 0"	9' 9" e	8' 10"	-
		24	21' 0"	16' 8"	14' 6"	13' 2"	11' 6"	9' 8"	11' 11"	10' 5"	8' 10"	11' 1"	9' 8"	8' 2"	10' 3"	9' 2"	-	9' 6"	8' 8"	-	8' 11"	8' 3"	-	-	-	-
400SFS162-33EQS 57	12	24' 9"	19' 8"	17' 2"	15' 4"	13' 5"	11' 3"	13' 11"	12' 2"	10' 3"	12' 11"	11' 3"	9' 6"	12' 2"	10' 7"	8' 11"	11' 6"	10' 1"	8' 6"	10' 9" e	9' 8"	8' 1"	9' 7" e	8' 11" e	-	
		16	22' 6"	17' 10"	15' 7"	13' 11"	12' 2"	10' 3"	12' 8"	11' 0"	9' 4"	11' 9"	10' 3"	8' 8"	10' 9" e	9' 8"	8' 1"	9' 11" e	9' 2" e	-	9' 3" e	8' 9" e	-	8' 4" e	8' 1" e	-
		24	19' 8"	15' 7"	13' 7"	12' 2"	10' 7"	8' 11"	10' 9" e	9' 8"	8' 1"	9' 7" e	8' 11" e	-	8' 9" e	8' 5" e	-	8' 1" e	8' 0" e	-	-	-	-	-	-	-
400SFS162-43EQS 57	12	27' 6"	21' 10"	19' 1"	17' 0"	14' 10"	12' 6"	15' 6"	13' 6"	11' 5"	14' 4"	12' 6"	10' 7"	13' 6"	11' 9"	9' 11"	12' 10"	11' 2"	9' 5"	12' 3"	10' 9"	9' 0"	11' 5" e	9' 11"	8' 5"	
		16	25' 0"	19' 10"	17' 4"	15' 6"	13' 6"	11' 5"	14' 1"	12' 3"	10' 4"	13' 0"	11' 5"	9' 7"	12' 3"	10' 9"	9' 0"	11' 8"	10' 2"	8' 7"	11' 2"	9' 9"	8' 2"	10' 1" e	9' 0"	7' 7"
		24	21' 10"	17' 4"	15' 1"	13' 6"	11' 9"	9' 11"	12' 3"	10' 9"	9' 0"	11' 5"	9' 11"	8' 5"	10' 7"	9' 4"	7' 11"	9' 10"	8' 11"	7' 6"	9' 2"	8' 6"	7' 2"	8' 2" e	7' 11" e	6' 8"
400SFS200-43EQS 57	12	28' 6"	22' 7"	19' 9"	17' 10"	15' 7"	13' 2"	16' 3"	14' 2"	12' 0"	15' 1"	13' 2"	11' 1"	14' 2"	12' 5"	10' 5"	13' 6"	11' 9"	9' 11"	12' 11"	11' 3"	9' 6"	11' 10" e	10' 5"	8' 10"	
		16	25' 11"	20' 7"	17' 11"	16' 3"	14' 2"	12' 0"	14' 9"	12' 11"	10' 10"	13' 8"	12' 0"	10' 1"	12' 11"	11' 3"	9' 6"	12' 3"	10' 8"	9' 0"	11' 6"	10' 3"	8' 8"	10' 3" e	9' 6"	8' 0"
		24	22' 7"	17' 11"	15' 8"	14' 2"	12' 5"	10' 5"	12' 11"	11' 3"	9' 6"	11' 10"	10' 5"	8' 10"	10' 10"	9' 10"	8' 4"	10' 0"	9' 4"	-	9' 4"	8' 11"	-	8' 5" e	8' 4" e	-
550SFS162-33EQS 57	12	31' 10"	25' 3"	22' 1"	19' 9"	17' 3"	14' 6"	17' 11"	15' 8"	13' 2"	16' 1" e	14' 6"	12' 3"	14' 8" e	13' 8" e	11' 6"	13' 7" e	13' 0" e	10' 11"	12' 8" e	12' 5" e	10' 5" e	11' 4" e	11' 4" e	9' 8" e	
		16	28' 11"	22' 11"	20' 0"	17' 11"	15' 8"	13' 2"	15' 7" e	14' 2"	12' 0"	13' 11" e	13' 2" e	11' 1" e	12' 8" e	12' 5" e	10' 5" e	11' 9" e	11' 0" e	9' 11" e	11' 0" e	11' 0" e	9' 6" e	9' 10" e	9' 10" e	8' 10" e
		24	25' 3"	20' 1"	17' 6"	14' 8" e	13' 8" e	11' 6"	12' 8" e	12' 5" e	10' 5" e	11' 4" e	11' 4" e	9' 8" e	10' 4" e	10' 4" e	9' 2" e	9' 7" e	9' 7" e	8' 8" e	9' 0" e	9' 0" e	8' 3" e	8' 0" e	8' 0" e	-
550SFS162-43EQS 57	12	35' 3"	28' 0"	24' 5"	21' 10"	19' 1"	16' 1"	19' 10"	17' 4"	14' 7"	18' 5"	16' 1"	13' 7"	17' 4"	15' 2"	12' 9"	16' 6"	14' 4"	12' 1"	15' 9"	13' 9"	11' 7"	14' 1" e	12' 9"	10' 9"	
		16	32' 0"	25' 5"	22' 2"	19' 10"	17' 4"	14' 7"	18' 0"	15' 9"	13' 3"	16' 9"	14' 7"	12' 4"	15' 9"	13' 9"	11' 7"	14' 7"	13' 1"	11' 0"	13' 8" e	12' 6"	10' 6"	12' 2" e	11' 7" e	9' 9"
		24	28' 0"	22' 2"	19' 5"	17' 4"	15' 2"	12' 9"	15' 9"	13' 9"	11' 7"	14' 1"	12' 9"	10' 9"	12' 10" e	12' 0" e	10' 1"	11' 11" e	11' 5" e	9' 7"	11' 1" e	10' 11" e	9' 2" e	9' 11" e	9' 11" e	8' 6" e
550SFS200-43EQS 57	12	26' 6"	29' 0"	25' 4"	22' 10"	19' 11"	16' 10"	20' 9"	18' 1"	15' 3"	19' 3"	16' 10"	14' 2"	18' 1"	15' 10"	13' 4"	17' 2"	15' 0"	12' 8"	16' 1"	14' 4"	12' 1"	14' 5" e	13' 4" e	11' 3" e	
		16	33' 2"	26' 4"	23' 0"	20' 9"	18' 1"	15' 3"	18' 10"	16' 5"	13' 11"	17' 6"	15' 3"	12' 11"	16' 1"	14' 4"	12' 1"	14' 11"	13' 8"	11' 6"	13' 11" e	13' 1" e	11' 0" e	12' 6" e	12' 1" e	10' 3" e
		24	29' 0"	23' 0"	20' 1"	18' 1"	15' 10"	13' 4"	16' 1"	14' 4"	12' 1"	14' 5" e	13' 4" e	11' 3" e	13' 2" e	12' 7" e	10' 7" e	12' 2" e	11' 11" e	10' 1" e	11' 4" e	11' 4" e	9' 7" e	10' 2" e	10' 2" e	8' 11" e
600SFS162-33EQS 57	12	34' 2"	27' 1"	23' 8"	21' 2"	18' 6"	15' 7"	18' 9"	16' 9"	14' 2"	16' 9" e	15' 7" e	13' 1" e	15' 4" e	14' 8" e	12' 4" e	14' 2" e	13' 11" e	11' 9" e	13' 3" e	13' 3" e	11' 3" e	11' 10" e	11' 10" e	10' 5" e	
		16	31' 0"	24' 7"	21' 6"	18' 9"	16' 9"	14' 2"	16' 3" e	15' 3" e	12' 10" e	14' 6" e	14' 2" e	11' 11" e	13' 3" e	13' 3" e	11' 3" e	12' 3" e	12' 3" e	10' 8" e	11' 6" e	11' 6" e	10' 2" e	10' 3" e	10' 3" e	9' 5" e
		24	26' 7"	21' 6"	18' 9"	15' 4" e	14' 8" e	12' 4" e	13' 3" e	13' 3" e	11' 3" e	11' 10" e	11' 10" e	10' 5" e	10' 10" e	10' 10" e	9' 9" e	10' 0" e	10' 0" e	9' 4" e	9' 4" e	9' 4" e	8' 11" e	-	-	-
600SFS162-43EQS 57	12	37' 9"	30' 0"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	18' 7"	16' 3"	13' 8"	17' 7"	15' 5"	13' 0"	16' 6"	14' 9"	12' 5"	14' 9" e	13' 8" e	11' 6" e	
		16	34' 4"	27' 3"	23' 9"	21' 3"	18' 7"	15' 8"	19' 4"	16' 10"	14' 3"	17' 11"	15' 8"	13' 2"	16' 6"	14' 9"	12' 5"	15' 3" e	14' 0"	11' 10"	14' 3" e	13' 5" e	11' 3" e	12' 9" e	12' 5" e	10' 6" e
		24	30' 0"	23' 9"	20' 9"	18' 7"	16' 3"	13' 8"	16' 6"	14' 9"	12' 5"	14' 9" e	13' 8" e	11' 6" e	13' 5" e	12' 10" e	10' 10" e	12' 5" e	12' 3" e	10' 4" e	11' 8" e	11' 8" e	9' 10" e	10' 5" e	10' 5" e	9' 2" e
600SFS200-43EQS 57	12	39' 2"	31' 1"	27' 2"	24' 5"	21' 4"	18' 0"	22' 2"	19' 5"	16' 4"	20' 7"	18' 0"	15' 2													

## Table Notes

1. Allowable axial loads listed in kips (1 kip = 1,000 pounds).
2. Allowable axial loads listed are based on simple one span condition.
3. Allowable axial loads determined in accordance with AISI S100 Section C5 and with the assumption that axial load passes through centroid of the effective section.
4. Allowable axial loads are based on 4'-0" on center bracing.
5. Studs are assumed to be adequately braced at a maximum spacing of  $L_u$  to develop full allowable moment,  $M_a$ .
6. Listed wind pressures represent calculated designed wind pressure (1.0 W based on 2009 or 0.6 W based on 2012 IBC). For deflection calculations, listed wind pressures have been reduced by 0.70 as allowed by IBC. The 5 psf pressure has not been reduced for deflection checks.
7. End supports have not been checked for web crippling. See web crippling tables on page 71.
8. See page 5 for additional table notes.

5 psf Lateral Load (Interior Walls)																	
Wall Height (ft)	Spacing (in) oc	350S162				362S137				362S162				362S200			
		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	1.81	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
9	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 <sup>4</sup>	1.61	2.44	3.18	0.86 <sup>4</sup>	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 <sup>3</sup>	1.34 <sup>3</sup>	2.21	2.94	0.63 <sup>3</sup>	1.12 <sup>3</sup>	1.93 <sup>4</sup>	2.62	0.86 <sup>3</sup>	1.44 <sup>4</sup>	2.42	3.22	1.12 <sup>3</sup>	1.86	3.03	4.03
14	12	0.86 <sup>3</sup>	1.33	1.95	2.54	0.72 <sup>3</sup>	1.15 <sup>4</sup>	1.75	2.30	0.93 <sup>4</sup>	1.44	2.14	2.78	1.18	1.81	2.64	3.43
	16	0.71 <sup>3</sup>	1.17 <sup>3</sup>	1.82 <sup>4</sup>	2.40	0.59 <sup>3</sup>	1.00 <sup>3</sup>	1.62 <sup>4</sup>	2.16	0.78 <sup>3</sup>	1.28 <sup>4</sup>	2.00	2.64	1.01 <sup>3</sup>	1.63 <sup>4</sup>	2.48	3.27
	24	0.46 <sup>2</sup>	0.89 <sup>3</sup>	1.58 <sup>3</sup>	2.16 <sup>3</sup>	0.34 <sup>2</sup>	0.73 <sup>2</sup>	1.39 <sup>3</sup>	1.92 <sup>3</sup>	0.52 <sup>2</sup>	0.99 <sup>3</sup>	1.75 <sup>3</sup>	2.38 <sup>4</sup>	0.70 <sup>3</sup>	1.31 <sup>3</sup>	2.19 <sup>3</sup>	2.99
16	12	0.59 <sup>3</sup>	0.96 <sup>3</sup>	1.48 <sup>4</sup>	1.95	0.50 <sup>3</sup>	0.83 <sup>3</sup>	1.33 <sup>3</sup>	1.76 <sup>4</sup>	0.65 <sup>3</sup>	1.06 <sup>3</sup>	1.63 <sup>4</sup>	2.14	0.84 <sup>3</sup>	1.36 <sup>4</sup>	2.01	2.66
	16	0.45 <sup>2</sup>	0.80 <sup>3</sup>	1.35 <sup>3</sup>	1.81 <sup>3</sup>	0.36 <sup>2</sup>	0.68 <sup>2</sup>	1.20 <sup>3</sup>	1.63 <sup>3</sup>	0.51 <sup>2</sup>	0.90 <sup>3</sup>	1.49 <sup>3</sup>	2.00 <sup>4</sup>	0.67 <sup>3</sup>	1.18 <sup>3</sup>	1.86 <sup>3</sup>	2.50
	24	0.21 <sup>1</sup>	0.54 <sup>2</sup>	1.12 <sup>2</sup>	1.57 <sup>3</sup>	0.12 <sup>1</sup>	0.42 <sup>1</sup>	0.97 <sup>2</sup>	1.39 <sup>2</sup>	0.25 <sup>1</sup>	0.62 <sup>2</sup>	1.25 <sup>2</sup>	1.74 <sup>3</sup>	0.38 <sup>2</sup>	0.86 <sup>2</sup>	1.58 <sup>3</sup>	2.21 <sup>3</sup>

5 psf Lateral Load (Interior Walls)																	
Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200				550S162			
		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	1.61	2.31	3.67	4.98	2.03	2.87	4.62	6.18	2.42	3.55	5.77	7.63	2.39	3.38	5.63	7.45
	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	2.34	3.33	5.58	7.41
	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	2.24	3.23	5.49	7.32
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	2.32	3.31	5.55	7.41
	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	2.26	3.24	5.49	7.35
	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	2.13	3.12	5.38	7.24
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	2.25	3.22	5.41	7.35
	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	2.16	3.14	5.34	7.27
	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	2.00	2.99	5.19	7.12
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	2.05	3.00	5.04	6.87
	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	1.93	2.89	4.93	6.76
	24	0.80 <sup>3</sup>	1.36 <sup>4</sup>	2.40	3.35	1.06 <sup>4</sup>	1.74	3.01	4.12	1.35	2.22	3.74	5.11	1.71	2.68	4.71	6.54
14	12	0.90 <sup>4</sup>	1.41	2.22	2.96	1.14	1.75	2.71	3.57	1.43	2.19	3.32	4.39	1.81	2.72	4.54	6.23
	16	0.75 <sup>3</sup>	1.25 <sup>4</sup>	2.08	2.80	0.98 <sup>3</sup>	1.58	2.55	3.41	1.25 <sup>4</sup>	2.00	3.14	4.21	1.66	2.57	4.39	6.07
	24	0.49 <sup>2</sup>	0.96 <sup>3</sup>	1.81 <sup>3</sup>	2.52 <sup>4</sup>	0.70 <sup>3</sup>	1.26 <sup>3</sup>	2.27 <sup>4</sup>	3.10	0.92 <sup>3</sup>	1.65 <sup>4</sup>	2.82	3.88	1.37	2.29	4.11	5.78
16	12	0.65 <sup>3</sup>	1.08 <sup>3</sup>	1.74	2.30	0.84 <sup>3</sup>	1.35 <sup>4</sup>	2.12	2.78	1.07 <sup>4</sup>	1.71	2.60	3.42	1.53	2.39	3.95	5.45
	16	0.50 <sup>2</sup>	0.91 <sup>3</sup>	1.59 <sup>3</sup>	2.14 <sup>4</sup>	0.68 <sup>3</sup>	1.17 <sup>3</sup>	1.96 <sup>4</sup>	2.61	0.89 <sup>3</sup>	1.51 <sup>4</sup>	2.41	3.24	1.35	2.20	3.77	5.26
	24	0.23 <sup>1</sup>	0.61 <sup>2</sup>	1.32 <sup>3</sup>	1.86 <sup>3</sup>	0.39 <sup>2</sup>	0.85 <sup>2</sup>	1.67 <sup>3</sup>	2.31 <sup>3</sup>	0.56 <sup>2</sup>	1.16 <sup>3</sup>	2.09 <sup>3</sup>	2.91 <sup>4</sup>	1.02 <sup>3</sup>	1.87	3.43	4.90

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

## 5 psf Lateral Load (Interior Walls)

Wall Height (ft)	Spacing (in) oc.	600S137					600S162					600S200				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.77	2.51	3.81	5.05	7.54	2.42	3.40	5.61	7.45	11.39	2.86	4.31	7.46	9.97	15.65
	16	1.73	2.47	3.78	5.02	7.52	2.37	3.35	5.57	7.41	11.35	2.81	4.26	7.41	9.93	15.60
	24	1.65	2.39	3.72	4.96	7.46	2.28	3.27	5.49	7.33	11.28	2.72	4.16	7.31	9.83	15.51
9	12	1.74	2.47	3.78	5.02	7.52	2.38	3.36	5.57	7.41	11.35	2.80	4.23	7.31	9.79	15.39
	16	1.69	2.43	3.74	4.98	7.48	2.32	3.30	5.52	7.36	11.31	2.74	4.16	7.25	9.73	15.33
	24	1.59	2.33	3.66	4.90	7.41	2.20	3.19	5.42	7.26	11.21	2.62	4.03	7.12	9.61	15.20
10	12	1.70	2.44	3.75	4.99	7.49	2.33	3.31	5.53	7.37	11.31	2.73	4.13	7.14	9.58	15.07
	16	1.63	2.37	3.70	4.94	7.44	2.25	3.24	5.46	7.30	11.25	2.65	4.05	7.05	9.50	14.99
	24	1.51	2.25	3.59	4.83	7.36	2.10	3.11	5.33	7.17	11.12	2.50	3.88	6.89	9.35	14.83
12	12	1.60	2.34	3.66	4.90	7.41	2.17	3.15	5.35	7.25	11.19	2.55	3.88	6.67	9.00	14.21
	16	1.51	2.25	3.59	4.82	7.34	2.06	3.05	5.25	7.15	11.09	2.44	3.76	6.55	8.89	14.09
	24	1.33	2.07	3.43	4.67	7.21	1.85	2.85	5.05	6.95	10.89	2.22	3.53	6.31	8.66	13.85
14	12	1.48	2.22	3.55	4.79	7.31	1.95	2.91	4.93	6.77	10.96	2.32	3.56	6.07	8.26	13.08
	16	1.36	2.09	3.44	4.67	7.20	1.81	2.78	4.80	6.63	10.80	2.17	3.40	5.91	8.10	12.91
	24	1.11	1.85	3.21	4.45	7.00	1.54	2.51	4.53	6.35	10.49	1.89	3.09	5.59	7.79	12.58
16	12	1.34	2.07	3.40	4.63	7.15	1.71	2.62	4.41	6.10	9.89	2.05	3.18	5.38	7.38	11.74
	16	1.18	1.90	3.24	4.46	7.00	1.53	2.45	4.24	5.91	9.68	1.87	2.98	5.18	7.17	11.52
	24	0.87 <sup>3</sup>	1.59	2.95	4.16	6.71	1.20 <sup>4</sup>	2.12	3.91	5.57	9.28	1.52	2.61	4.79	6.79	11.09

## 5 psf Lateral Load (Interior Walls)

Wall Height (ft)	Spacing (in) oc.	800S137				800S162					800S200				
		33 ksi		50 ksi		33 ksi		50 ksi			33 ksi		50 ksi		
		43	54	68	97	43	54	68	97	118	43	54	68	97	118
8	12	2.43	3.57	4.74	7.21	3.35	5.43	7.25	11.25	14.30	4.47	7.74	10.29	15.98	20.46
	16	2.40	3.55	4.72	7.19	3.32	5.40	7.22	11.23	14.28	4.44	7.71	10.25	15.95	20.43
	24	2.35	3.50	4.68	7.16	3.26	5.35	7.16	11.17	14.23	4.36	7.64	10.19	15.88	20.37
9	12	2.40	3.55	4.73	7.20	3.33	5.41	7.22	11.23	14.28	4.44	7.71	10.26	15.95	20.43
	16	2.37	3.52	4.70	7.17	3.29	5.37	7.19	11.20	14.25	4.39	7.67	10.21	15.91	20.39
	24	2.30	3.47	4.65	7.12	3.21	5.30	7.12	11.13	14.19	4.30	7.57	10.13	15.83	20.31
10	12	2.38	3.53	4.71	7.18	3.30	5.38	7.19	11.20	14.26	4.41	7.68	10.22	15.92	20.40
	16	2.34	3.49	4.67	7.15	3.25	5.33	7.15	11.16	14.22	4.35	7.62	10.17	15.87	20.35
	24	2.26	3.43	4.61	7.09	3.15	5.24	7.06	11.07	14.14	4.23	7.50	10.06	15.76	20.25
12	12	2.32	3.48	4.66	7.13	3.22	5.31	7.13	11.14	14.20	4.32	7.59	10.14	15.84	20.32
	16	2.26	3.43	4.61	7.09	3.15	5.24	7.06	11.07	14.14	4.23	7.50	10.06	15.76	20.24
	24	2.14	3.33	4.51	7.00	3.00	5.11	6.93	10.94	14.03	4.06	7.32	9.90	15.60	20.08
14	12	2.25	3.42	4.60	7.08	3.13	5.22	7.04	11.05	14.12	4.16	7.36	9.96	15.72	20.20
	16	2.16	3.35	4.53	7.01	3.03	5.13	6.94	10.95	14.03	4.04	7.24	9.84	15.61	20.09
	24	2.00	3.21	4.40	6.88	2.83	4.94	6.76	10.76	13.87	3.80	6.99	9.61	15.38	19.86
16	12	2.16	3.34	4.52	7.00	3.02	5.11	6.93	10.93	14.01	3.93	6.95	9.45	15.15	19.78
	16	2.05	3.25	4.43	6.91	2.89	4.98	6.80	10.80	13.89	3.77	6.78	9.30	15.00	19.62
	24	1.83	3.06	4.25	6.74	2.62	4.72	6.54	10.53	13.66	3.46	6.46	9.00	14.68	19.29

## 15 psf Lateral Load

Wall Height (ft)	Spacing (in) oc.	350S162				362S137				362S162				362S200			
		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	1.37	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 <sup>4</sup>	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 <sup>3</sup>	1.11 <sup>4</sup>	2.48	3.48	0.28 <sup>3</sup>	0.83 <sup>4</sup>	2.03	2.94	0.53 <sup>3</sup>	1.21	2.68	3.77	0.77 <sup>4</sup>	1.68	3.44	4.84
10	12	0.90	1.53	2.71	3.63	0.70 <sup>4</sup>	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 <sup>3</sup>	1.25	2.45	3.37	0.46 <sup>3</sup>	0.99 <sup>4</sup>	2.07	2.91	0.71 <sup>4</sup>	1.36	2.67	3.66	0.95	1.82	3.38	4.65
	24	0.17 <sup>3</sup>	0.74 <sup>3</sup>	1.99 <sup>4</sup>	2.88	-	0.51 <sup>3</sup>	1.62 <sup>3</sup>	2.44 <sup>4</sup>	0.23 <sup>3</sup>	0.84 <sup>3</sup>	2.18 <sup>4</sup>	3.15	0.42 <sup>3</sup>	1.25 <sup>4</sup>	2.83	4.09
12	12	0.47 <sup>3</sup>	0.98 <sup>3</sup>	1.90 <sup>4</sup>	2.62	0.33 <sup>3</sup>	0.78 <sup>3</sup>	1.63 <sup>4</sup>	2.30	0.53 <sup>3</sup>	1.08 <sup>4</sup>	2.10	2.88	0.74 <sup>3</sup>	1.46	2.65	3.66
	16	0.18 <sup>2</sup>	0.67 <sup>3</sup>	1.62 <sup>3</sup>	2.33 <sup>4</sup>	-	0.48 <sup>3</sup>	1.36 <sup>3</sup>	2.02 <sup>4</sup>	0.24 <sup>2</sup>	0.76 <sup>3</sup>	1.81 <sup>3</sup>	2.58 <sup>4</sup>	0.41 <sup>3</sup>	1.11 <sup>3</sup>	2.32 <sup>4</sup>	3.32
	24	-	0.13 <sup>2</sup>	1.13 <sup>2</sup>	1.81 <sup>3</sup>	-	-	0.89 <sup>2</sup>	1.51 <sup>3</sup>	-	0.20 <sup>2</sup>	1.29 <sup>3</sup>	2.03 <sup>3</sup>	-	0.49 <sup>3</sup>	1.73 <sup>3</sup>	2.72 <sup>3</sup>
14	12	0.13 <sup>2</sup>	0.53 <sup>2</sup>	1.27 <sup>3</sup>	1.83 <sup>3</sup>	-	0.38 <sup>2</sup>	1.08 <sup>3</sup>	1.60 <sup>3</sup>	0.18 <sup>2</sup>	0.61 <sup>3</sup>	1.42 <sup>3</sup>	2.03 <sup>3</sup>	0.32 <sup>2</sup>	0.90 <sup>3</sup>	1.82 <sup>3</sup>	2.61 <sup>4</sup>
	16	-	0.22 <sup>2</sup>	1.00 <sup>2</sup>	1.54 <sup>3</sup>	-	-	0.82 <sup>2</sup>	1.31 <sup>3</sup>	-	0.29 <sup>2</sup>	1.14 <sup>2</sup>	1.73 <sup>3</sup>	-	0.54 <sup>2</sup>	1.49 <sup>3</sup>	2.28 <sup>3</sup>
	24	-	-	0.53 <sup>1</sup>	1.04 <sup>2</sup>	-	-	0.35 <sup>1</sup>	0.82 <sup>2</sup>	-	-	0.64 <sup>1</sup>	1.19 <sup>2</sup>	-	-	0.92 <sup>2</sup>	1.69 <sup>2</sup>
16	12	-	0.20 <sup>1</sup>	0.82 <sup>2</sup>	1.26 <sup>3</sup>	-	-	0.68 <sup>2</sup>	1.07 <sup>2</sup>	-	0.26 <sup>2</sup>	0.93 <sup>2</sup>	1.41 <sup>3</sup>	-	0.46 <sup>2</sup>	1.22 <sup>3</sup>	1.85 <sup>3</sup>
	16	-	-	0.57 <sup>1</sup>	0.98 <sup>2</sup>	-	-	0.42 <sup>1</sup>	0.80 <sup>2</sup>	-	-	0.66 <sup>1</sup>	1.12 <sup>2</sup>	-	0.12 <sup>1</sup>	0.91 <sup>2</sup>	1.53 <sup>2</sup>
	24	-	-	0.13 <sup>1</sup>	0.51 <sup>1</sup>	-	-	-	0.34 <sup>1</sup>	-	-	0.19 <sup>1</sup>	0.62 <sup>1</sup>	-	-	0.38 <sup>1</sup>	0.97 <sup>1</sup>

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.

# Combined Axial and Lateral Loads



## 15 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200				550S162			
		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	2.08	3.09	5.36	7.19
	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	1.93	2.95	5.22	7.06
	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	1.64	2.68	4.96	6.80
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	1.94	2.94	5.20	7.07
	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	1.75	2.77	5.03	6.90
	24	0.44 <sup>4</sup>	1.06	2.43	3.63	0.73 <sup>4</sup>	1.49	3.20	4.61	0.99	2.03	4.09	5.84	1.38	2.42	4.69	6.56
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	1.77	2.77	4.97	6.90
	16	0.62 <sup>4</sup>	1.22	2.49	3.62	0.90	1.64	3.21	4.54	1.18	2.17	4.05	5.69	1.54	2.56	4.76	6.69
	24	0.17 <sup>3</sup>	0.74 <sup>3</sup>	2.03 <sup>4</sup>	3.11	0.41 <sup>3</sup>	1.12 <sup>4</sup>	2.70	3.99	0.64 <sup>4</sup>	1.59	3.47	5.09	1.10	2.14	4.34	6.26
12	12	0.48 <sup>3</sup>	1.01 <sup>4</sup>	2.08	2.99	0.72 <sup>4</sup>	1.37	2.65	3.73	0.96 <sup>4</sup>	1.81	3.33	4.69	1.39	2.36	4.40	6.22
	16	0.19 <sup>3</sup>	0.70 <sup>3</sup>	1.78 <sup>4</sup>	2.67	0.41 <sup>3</sup>	1.03 <sup>3</sup>	2.33 <sup>4</sup>	3.38	0.61 <sup>3</sup>	1.44 <sup>4</sup>	2.96	4.31	1.08	2.07	4.10	5.91
	24	-	0.14 <sup>2</sup>	1.25 <sup>3</sup>	2.09 <sup>3</sup>	-	0.43 <sup>3</sup>	1.75 <sup>3</sup>	2.76 <sup>3</sup>	-	0.78 <sup>3</sup>	2.31 <sup>3</sup>	3.62 <sup>4</sup>	0.52 <sup>4</sup>	1.51	3.54	5.32
14	12	0.15 <sup>2</sup>	0.58 <sup>3</sup>	1.46 <sup>3</sup>	2.15 <sup>4</sup>	0.33 <sup>3</sup>	0.86 <sup>3</sup>	1.89 <sup>3</sup>	2.70	0.50 <sup>3</sup>	1.21 <sup>3</sup>	2.39 <sup>4</sup>	3.44	0.97	1.90	3.71	5.36
	16	-	0.25 <sup>2</sup>	1.15 <sup>3</sup>	1.82 <sup>3</sup>	-	0.50 <sup>3</sup>	1.56 <sup>3</sup>	2.35 <sup>3</sup>	0.14 <sup>2</sup>	0.81 <sup>3</sup>	2.01 <sup>3</sup>	3.05 <sup>4</sup>	0.61 <sup>3</sup>	1.53	3.34	4.97
	24	-	-	0.62 <sup>2</sup>	1.24 <sup>2</sup>	-	-	0.98 <sup>2</sup>	1.72 <sup>3</sup>	-	0.13 <sup>2</sup>	1.36 <sup>2</sup>	2.36 <sup>3</sup>	-	0.87 <sup>3</sup>	2.66 <sup>4</sup>	4.24
16	12	-	0.23 <sup>2</sup>	0.97 <sup>2</sup>	1.49 <sup>3</sup>	-	0.44 <sup>2</sup>	1.30 <sup>3</sup>	1.92 <sup>3</sup>	0.14 <sup>2</sup>	0.71 <sup>3</sup>	1.67 <sup>3</sup>	2.48 <sup>3</sup>	0.58 <sup>3</sup>	1.41 <sup>4</sup>	2.98	4.42
	16	-	-	0.67 <sup>2</sup>	1.17 <sup>2</sup>	-	-	0.98 <sup>2</sup>	1.58 <sup>3</sup>	-	0.32 <sup>2</sup>	1.30 <sup>2</sup>	2.10 <sup>3</sup>	0.18 <sup>3</sup>	1.00 <sup>3</sup>	2.57 <sup>4</sup>	3.97
	24	-	-	0.16 <sup>1</sup>	0.62 <sup>1</sup>	-	-	0.42 <sup>1</sup>	0.98 <sup>2</sup>	-	-	0.68 <sup>1</sup>	1.45 <sup>2</sup>	-	0.28 <sup>2</sup>	1.83 <sup>3</sup>	3.18 <sup>3</sup>

## 15 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	600S137					600S162					600S200				
		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	1.54	2.28	3.62	4.86	7.38	2.14	3.14	5.37	7.22	11.17	2.57	4.01	7.16	9.69	15.37
	16	1.42	2.17	3.53	4.77	7.30	2.00	3.02	5.25	7.10	11.06	2.43	3.86	7.01	9.55	15.23
	24	1.19	1.95	3.34	4.58	7.14	1.73	2.77	5.02	6.87	10.83	2.15	3.56	6.71	9.27	14.95
9	12	1.44	2.18	3.54	4.78	7.31	2.02	3.03	5.26	7.11	11.06	2.43	3.84	6.92	9.43	15.02
	16	1.29	2.04	3.41	4.66	7.21	1.85	2.87	5.11	6.96	10.91	2.26	3.65	6.73	9.25	14.84
	24	1.01	1.76	3.17	4.42	7.00	1.51	2.56	4.81	6.67	10.62	1.90	3.27	6.35	8.89	14.48
10	12	1.33	2.07	3.44	4.68	7.22	1.89	2.91	5.14	6.98	10.93	2.28	3.65	6.65	9.12	14.60
	16	1.15	1.90	3.28	4.53	7.09	1.67	2.71	4.94	6.79	10.74	2.06	3.41	6.41	8.89	14.37
	24	0.80	1.55	2.98	4.23	6.83	1.26	2.32	4.57	6.42	10.37	1.63	2.96	5.94	8.45	13.91
12	12	1.07	1.81	3.20	4.44	7.00	1.54	2.56	4.76	6.66	10.59	1.91	3.19	5.96	8.33	13.50
	16	0.82	1.56	2.97	4.21	6.80	1.25	2.28	4.48	6.37	10.29	1.60	2.86	5.63	8.00	13.16
	24	0.35 <sup>4</sup>	1.08	2.54	3.78	6.41	0.70	1.75	3.94	5.82	9.73	1.03	2.24	4.98	7.37	12.50
14	12	0.78	1.50	2.89	4.12	6.70	1.15	2.13	4.15	5.95	10.05	1.49	2.65	5.14	7.34	12.10
	16	0.46 <sup>4</sup>	1.17	2.59	3.81	6.42	0.79	1.78	3.79	5.58	9.63	1.11	2.24	4.71	6.92	11.64
	24	-	0.57 <sup>3</sup>	2.02 <sup>4</sup>	3.22	5.87	0.14 <sup>3</sup>	1.12 <sup>4</sup>	3.11	4.87	8.83	0.42 <sup>3</sup>	1.48	3.92	6.13	10.77
16	12	0.46 <sup>3</sup>	1.16	2.53	3.73	6.31	0.75 <sup>4</sup>	1.67	3.45	5.08	8.73	1.05	2.09	4.26	6.25	10.49
	16	-	0.76 <sup>3</sup>	2.15 <sup>4</sup>	3.33	5.92	0.35 <sup>3</sup>	1.26 <sup>4</sup>	3.03	4.64	8.21	0.62 <sup>3</sup>	1.62	3.76	5.75	9.94
	24	-	-	1.47 <sup>3</sup>	2.61 <sup>3</sup>	5.21	-	0.51 <sup>3</sup>	2.28 <sup>3</sup>	3.82 <sup>4</sup>	7.28	-	0.76 <sup>3</sup>	2.88 <sup>4</sup>	4.84	8.92

## 15 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	800S137				800S162				800S200					
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	118	43	54	68	97	118
8	12	2.27	3.44	4.62	7.10	3.17	5.26	7.08	11.09	14.16	4.25	7.53	10.09	15.79	20.28
	16	2.19	3.38	4.56	7.04	3.07	5.18	7.00	11.01	14.09	4.14	7.42	9.99	15.70	20.19
	24	2.03	3.25	4.44	6.93	2.89	5.01	6.83	10.85	13.95	3.93	7.21	9.80	15.51	20.00
9	12	2.20	3.39	4.57	7.05	3.09	5.19	7.01	11.02	14.10	4.16	7.44	10.00	15.71	20.20
	16	2.10	3.31	4.49	6.98	2.97	5.08	6.90	10.92	14.01	4.02	7.30	9.88	15.59	20.08
	24	1.91	3.14	4.34	6.83	2.73	4.87	6.69	10.71	13.83	3.74	7.02	9.63	15.35	19.84
10	12	2.13	3.33	4.51	6.99	3.00	5.11	6.93	10.94	14.03	4.06	7.33	9.90	15.61	20.10
	16	2.01	3.22	4.42	6.90	2.85	4.97	6.80	10.81	13.92	3.88	7.15	9.75	15.46	19.95
	24	1.76	3.02	4.22	6.72	2.56	4.70	6.53	10.55	13.69	3.54	6.81	9.43	15.16	19.65
12	12	1.96	3.18	4.37	6.86	2.79	4.91	6.73	10.74	13.85	3.80	7.06	9.66	15.37	19.85
	16	1.78	3.03	4.23	6.72	2.57	4.71	6.53	10.55	13.68	3.55	6.81	9.42	15.14	19.62
	24	1.43	2.74	3.95	6.45	2.15	4.31	6.14	10.16	13.33	3.05	6.30	8.95	14.68	19.16
14	12	1.75	3.00	4.20	6.69	2.53	4.65	6.48	10.48	13.62	3.45	6.63	9.27	15.04	19.52
	16	1.51	2.80	4.00	6.50	2.24	4.38	6.20	10.20	13.37	3.11	6.28	8.94	14.71	19.18
	24	1.04	2.40	3.61	6.12	1.68	3.84	5.66	9.65	12.88	2.46	5.59	8.29	14.05	18.52
16	12	1.51	2.79	3.99	6.48	2.23	4.35	6.16	10.14	13.31	3.02	6.00	8.55	14.22	18.82
	16	1.20	2.53	3.73	6.22	1.86	3.98	5.80	9.77	12.96	2.59	5.55	8.12	13.78	18.35
	24	0.61	2.02	3.22	5.73	1.15	3.29	5.09	9.03	12.29	1.79	4.71	7.30	12.92	17.45

If no note, deflection meets L/240

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.

		20 psf Lateral Load															
Wall Height (ft)	Spacing (in) oc	350S162				362S137				362S162				362S200			
		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 <sup>3</sup>	1.11 <sup>4</sup>	2.64	3.72	0.24 <sup>3</sup>	0.81 <sup>4</sup>	2.11	3.10	0.50 <sup>4</sup>	1.21	2.82	4.01	0.74 <sup>4</sup>	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 <sup>3</sup>	1.26	2.62	3.62	0.41 <sup>3</sup>	0.97 <sup>4</sup>	2.16	3.08	0.67 <sup>4</sup>	1.36	2.82	3.92	0.92	1.85	3.60	5.00
	24	-	0.69 <sup>3</sup>	2.08 <sup>4</sup>	3.06	-	0.44 <sup>3</sup>	1.66 <sup>3</sup>	2.55 <sup>4</sup>	0.13 <sup>3</sup>	0.78 <sup>3</sup>	2.27 <sup>4</sup>	3.34	0.32 <sup>3</sup>	1.21 <sup>4</sup>	2.97	4.37
10	12	0.64 <sup>3</sup>	1.25	2.45	3.37	0.46 <sup>3</sup>	0.99 <sup>4</sup>	2.07	2.91	0.71 <sup>4</sup>	1.36	2.67	3.66	0.95	1.82	3.38	4.65
	16	0.32 <sup>3</sup>	0.91 <sup>3</sup>	2.14 <sup>4</sup>	3.03	0.16 <sup>3</sup>	0.66 <sup>3</sup>	1.77 <sup>4</sup>	2.59	0.38 <sup>3</sup>	1.01 <sup>3</sup>	2.34	3.32	0.59 <sup>3</sup>	1.43 <sup>4</sup>	3.00	4.27
	24	-	0.29 <sup>3</sup>	1.56 <sup>3</sup>	2.43 <sup>3</sup>	-	-	1.22 <sup>3</sup>	2.01 <sup>3</sup>	-	0.38 <sup>3</sup>	1.74 <sup>3</sup>	2.69 <sup>4</sup>	-	0.74 <sup>3</sup>	2.32 <sup>3</sup>	3.58 <sup>4</sup>
12	12	0.18 <sup>2</sup>	0.67 <sup>3</sup>	1.62 <sup>3</sup>	2.33 <sup>4</sup>	-	0.48 <sup>3</sup>	1.36 <sup>3</sup>	2.02 <sup>4</sup>	0.24 <sup>2</sup>	0.76 <sup>3</sup>	1.81 <sup>3</sup>	2.58 <sup>4</sup>	0.41 <sup>3</sup>	1.11 <sup>3</sup>	2.32 <sup>4</sup>	3.32
	16	-	0.30 <sup>2</sup>	1.29 <sup>3</sup>	1.97 <sup>3</sup>	-	0.13 <sup>2</sup>	1.04 <sup>3</sup>	1.67 <sup>3</sup>	-	0.38 <sup>2</sup>	1.45 <sup>3</sup>	2.20 <sup>3</sup>	-	0.69 <sup>3</sup>	1.92 <sup>3</sup>	2.91 <sup>4</sup>
	24	-	-	0.70 <sup>2</sup>	1.35 <sup>2</sup>	-	-	0.48 <sup>2</sup>	1.06 <sup>2</sup>	-	-	0.84 <sup>2</sup>	1.55 <sup>2</sup>	-	-	1.21 <sup>2</sup>	2.19 <sup>3</sup>
14	12	-	0.22 <sup>2</sup>	1.00 <sup>2</sup>	1.54 <sup>3</sup>	-	-	0.82 <sup>2</sup>	1.31 <sup>3</sup>	-	0.29 <sup>2</sup>	1.14 <sup>2</sup>	1.73 <sup>3</sup>	-	0.54 <sup>2</sup>	1.49 <sup>3</sup>	2.28 <sup>3</sup>
	16	-	-	0.68 <sup>2</sup>	1.20 <sup>2</sup>	-	-	0.50 <sup>1</sup>	0.97 <sup>2</sup>	-	-	0.79 <sup>2</sup>	1.36 <sup>2</sup>	-	0.12 <sup>2</sup>	1.10 <sup>2</sup>	1.88 <sup>3</sup>
	24	-	-	0.13 <sup>1</sup>	0.60 <sup>1</sup>	-	-	-	0.39 <sup>1</sup>	-	-	0.21 <sup>1</sup>	0.73 <sup>1</sup>	-	-	0.43 <sup>1</sup>	1.18 <sup>2</sup>
16	12	-	-	0.57 <sup>1</sup>	0.98 <sup>2</sup>	-	-	0.42 <sup>1</sup>	0.80 <sup>2</sup>	-	-	0.66 <sup>1</sup>	1.12 <sup>2</sup>	-	0.12 <sup>1</sup>	0.91 <sup>2</sup>	1.53 <sup>2</sup>
	16	-	-	0.26 <sup>1</sup>	0.66 <sup>1</sup>	-	-	0.13 <sup>1</sup>	0.49 <sup>1</sup>	-	-	0.34 <sup>1</sup>	0.77 <sup>1</sup>	-	-	0.54 <sup>1</sup>	1.15 <sup>2</sup>
	24	-	-	-	0.11 <sup>1</sup>	-	-	-	-	-	-	0.19 <sup>1</sup>	-	-	-	-	0.50 <sup>1</sup>

		20 psf Lateral Load															
Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200				550S162			
		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	1.93	2.95	5.22	7.06
	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	1.74	2.77	5.05	6.89
	24	0.40 <sup>4</sup>	1.04	2.50	3.72	0.70	1.50	3.32	4.81	0.97	2.06	4.28	6.14	1.35	2.41	4.70	6.55
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	1.75	2.77	5.03	6.90
	16	0.57 <sup>4</sup>	1.20	2.56	3.77	0.87	1.64	3.34	4.76	1.15	2.19	4.25	6.01	1.50	2.54	4.80	6.67
	24	-	0.67 <sup>3</sup>	2.06	3.21	0.33 <sup>3</sup>	1.07 <sup>4</sup>	2.78	4.16	0.55 <sup>4</sup>	1.56	3.61	5.35	1.03	2.09	4.36	6.23
10	12	0.62 <sup>4</sup>	1.22	2.49	3.62	0.90	1.64	3.21	4.54	1.18	2.17	4.05	5.69	1.54	2.56	4.76	6.69
	16	0.31 <sup>3</sup>	0.89 <sup>4</sup>	2.18	3.28	0.57 <sup>3</sup>	1.29	2.87	4.17	0.81 <sup>4</sup>	1.78	3.66	5.29	1.24	2.28	4.48	6.40
	24	-	0.30 <sup>3</sup>	1.61 <sup>3</sup>	2.65 <sup>4</sup>	-	0.64 <sup>3</sup>	2.24 <sup>4</sup>	3.48	0.15 <sup>3</sup>	1.07 <sup>3</sup>	2.94	4.54	0.69	1.74	3.94	5.85
12	12	0.19 <sup>3</sup>	0.70 <sup>3</sup>	1.78 <sup>4</sup>	2.67	0.41 <sup>3</sup>	1.03 <sup>3</sup>	2.33 <sup>4</sup>	3.38	0.61 <sup>3</sup>	1.44 <sup>4</sup>	2.96	4.31	1.08	2.07	4.10	5.91
	16	-	0.32 <sup>3</sup>	1.42 <sup>3</sup>	2.27 <sup>3</sup>	-	0.62 <sup>3</sup>	1.94 <sup>3</sup>	2.96 <sup>4</sup>	0.20 <sup>3</sup>	0.99 <sup>3</sup>	2.52 <sup>4</sup>	3.84	0.70 <sup>4</sup>	1.69	3.72	5.51
	24	-	-	0.79 <sup>2</sup>	1.58 <sup>3</sup>	-	-	1.25 <sup>2</sup>	2.20 <sup>3</sup>	-	0.20 <sup>2</sup>	1.73 <sup>3</sup>	3.00 <sup>3</sup>	-	0.99 <sup>4</sup>	3.01	4.76
14	12	-	0.25 <sup>2</sup>	1.15 <sup>3</sup>	1.82 <sup>3</sup>	-	0.50 <sup>3</sup>	1.56 <sup>3</sup>	2.35 <sup>3</sup>	0.14 <sup>2</sup>	0.81 <sup>3</sup>	2.01 <sup>3</sup>	3.05 <sup>4</sup>	0.61 <sup>3</sup>	1.53	3.34	4.97
	16	-	-	0.79 <sup>2</sup>	1.42 <sup>2</sup>	-	-	1.16 <sup>2</sup>	1.92 <sup>3</sup>	-	0.35 <sup>2</sup>	1.57 <sup>3</sup>	2.58 <sup>3</sup>	0.17 <sup>3</sup>	1.08 <sup>3</sup>	2.88 <sup>4</sup>	4.48
	24	-	-	0.16 <sup>1</sup>	0.73 <sup>1</sup>	-	-	0.48 <sup>1</sup>	1.18 <sup>2</sup>	-	-	0.79 <sup>2</sup>	1.76 <sup>2</sup>	-	0.26 <sup>3</sup>	2.05 <sup>3</sup>	3.59 <sup>3</sup>
16	12	-	-	0.67 <sup>2</sup>	1.17 <sup>2</sup>	-	-	0.98 <sup>2</sup>	1.58 <sup>3</sup>	-	0.32 <sup>2</sup>	1.30 <sup>2</sup>	2.10 <sup>3</sup>	0.18 <sup>3</sup>	1.00 <sup>3</sup>	2.57 <sup>4</sup>	3.97
	16	-	-	0.32 <sup>1</sup>	0.80 <sup>2</sup>	-	-	0.60 <sup>1</sup>	1.17 <sup>2</sup>	-	-	0.87 <sup>2</sup>	1.65 <sup>2</sup>	-	0.51 <sup>3</sup>	2.07 <sup>3</sup>	3.43 <sup>3</sup>
	24	-	-	-	0.15 <sup>1</sup>	-	-	-	0.48 <sup>1</sup>	-	-	0.14 <sup>1</sup>	0.89 <sup>1</sup>	-	-	1.19 <sup>2</sup>	2.48 <sup>3</sup>

		20 psf Lateral Load																	
Wall Height (ft)	Spacing (in) oc	600S137						600S162						600S200					
		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	1.42	2.17	3.53	4.77	7.30	2.00	3.02	5.25	7.10	11.06	2.43	3.86	7.01	9.55	15.23			
	16	1.27	2.02	3.40	4.65	7.20	1.82	2.85	5.10	6.95	10.91	2.25	3.66	6.81	9.36	15.04			
	24	0.97	1.73	3.15	4.40	6.99	1.47	2.53	4.79	6.65	10.61	1.88	3.27	6.42	9.00	14.67			
9	12	1.29	2.04	3.41	4.66	7.21	1.85	2.87	5.11	6.96	10.91	2.26	3.65	6.73	9.25	14.84			
	16	1.10	1.85	3.25	4.50	7.07	1.62	2.66	4.91	6.76	10.72	2.02	3.40	6.48	9.01	14.60			
	24	0.73	1.48	2.93	4.18	6.80	1.18	2.25	4.51	6.38	10.34	1.56	2.91	5.98	8.54	14.12			
10	12	1.15	1.90	3.28	4.53	7.09	1.67	2.71	4.94	6.79	10.74	2.06	3.41	6.41	8.89	14.37			
	16	0.92	1.67	3.08	4.33	6.92	1.40	2.45	4.69	6.55	10.50	1.77	3.11	6.10	8.59	14.06			
	24	0.47	1.22	2.69	3.94	6.58	0.86	1.94	4.20	6.06	10.01	1.22	2.51	5.49	8.01	13.47			
12	12	0.82	1.56	2.97	4.21	6.80	1.25	2.28	4.48	6.37	10.29	1.60	2.86	5.63	8.00	13.16			
	16	0.50	1.24	2.68	3.92	6.54	0.88	1.92	4.11	6.00	9.91	1.22	2.44	5.19	7.58	12.72			
	24	-	0.63 <sup>4</sup>	2.13	3.36	6.03	0.19 <sup>3</sup>	1.24	3.43	5.30	9.18	0.50 <sup>4</sup>	1.66	4.37	6.77	11.86			
14	12	0.46 <sup>4</sup>	1.17	2.59	3.81	6.42	0.79	1.78	3.79	5.58	9.63	1.11	2.24	4.71	6.92	11.64			
	16	-	0.76 <sup>4</sup>	2.21	3.42	6.05	0.35 <sup>3</sup>	1.33 <sup>4</sup>	3.33	5.10	9.09	0.64 <sup>4</sup>	1.73	4.18	6.38	11.06			
	24	-	0.01 <sup>3</sup>	1.50 <sup>3</sup>	2.68 <sup>4</sup>	5.35	-	0.52 <sup>3</sup>	2.49 <sup>3</sup>	4.21	8.09	-	0.79 <sup>3</sup>	3.19 <sup>4</sup>	5.39	9.97			
16	12	-	0.76 <sup>3</sup>	2.15 <sup>4</sup>	3.33	5.92	0.35 <sup>3</sup>	1.26 <sup>4</sup>	3.03	4.64	8.21	0.62 <sup>3</sup>	1.62	3.76	5.75	9.94			
	16	-	0.28 <sup>3</sup>	1.69 <sup>3</sup>	2.84 <sup>4</sup>	5.44	-	0.75 <sup>3</sup>	2.52 <sup>3</sup>	4.08	7.58	0.10 <sup>3</sup>	1.04 <sup>3</sup>	3.16 <sup>4</sup>	5.13	9.25			
	24	-	-	0.85 <sup>2</sup>	1.95 <sup>3</sup>	4.56 <sup>3</sup>	-	-	1.60 <sup>3</sup>	3.09 <sup>3</sup>	6.44 <sup>4</sup>	-	-	2.09 <sup>3</sup>	4.03 <sup>3</sup>	8.00			

If no note, deflection meets L/720  
<sup>1</sup>Deflection meets L/120      <sup>2</sup>Deflection meets L/240      <sup>3</sup>Deflection meets L/360      <sup>4</sup>Deflection meets L/600  
See Table Notes on page 37.



# Combined Axial and Lateral Loads



20 psf Lateral Load															
Wall Height (ft)	Spacing (in) oc	800S137				800S162				800S200					
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	118	43	54	68	97	118
		8	12	2.19	3.38	4.56	7.04	3.07	5.18	7.00	11.01	14.09	4.14	7.42	9.99
8	16	2.09	3.29	4.48	6.97	2.95	5.06	6.89	10.91	14.00	4.00	7.28	9.86	15.57	20.06
8	24	1.88	3.12	4.32	6.81	2.70	4.84	6.67	10.69	13.81	3.71	6.99	9.60	15.33	19.82
9	12	2.10	3.31	4.49	6.98	2.97	5.08	6.90	10.92	14.01	4.02	7.30	9.88	15.59	20.08
9	16	1.97	3.20	4.39	6.88	2.81	4.94	6.76	10.78	13.89	3.84	7.11	9.71	15.43	19.92
9	24	1.71	2.98	4.18	6.68	2.50	4.65	6.48	10.51	13.65	3.47	6.75	9.38	15.11	19.60
10	12	2.01	3.22	4.42	6.90	2.85	4.97	6.80	10.81	13.92	3.88	7.15	9.75	15.46	19.95
10	16	1.84	3.09	4.29	6.78	2.65	4.79	6.62	10.64	13.76	3.65	6.92	9.54	15.26	19.75
10	24	1.52	2.83	4.03	6.54	2.27	4.43	6.27	10.29	13.46	3.20	6.47	9.12	14.85	19.35
12	12	1.78	3.03	4.23	6.72	2.57	4.71	6.53	10.55	13.68	3.55	6.81	9.42	15.14	19.62
12	16	1.54	2.84	4.04	6.54	2.29	4.44	6.27	10.29	13.45	3.22	6.47	9.11	14.83	19.32
12	24	1.09	2.46	3.67	6.19	1.74	3.93	5.76	9.77	12.99	2.57	5.81	8.49	14.22	18.71
14	12	1.51	2.80	4.00	6.50	2.24	4.38	6.20	10.20	13.37	3.11	6.28	8.94	14.71	19.18
14	16	1.19	2.54	3.74	6.25	1.86	4.02	5.84	9.84	13.04	2.67	5.82	8.50	14.27	18.74
14	24	0.59	2.02	3.24	5.76	1.14	3.32	5.14	9.12	12.40	1.83	4.94	7.66	13.41	17.87
16	12	1.20	2.53	3.73	6.22	1.86	3.98	5.80	9.77	12.96	2.59	5.55	8.12	13.78	18.35
16	16	0.80	2.18	3.39	5.89	1.38	3.52	5.32	9.27	12.51	2.05	4.98	7.57	13.20	17.75
16	24	-	1.53 <sup>4</sup>	2.73	5.24	0.49 <sup>4</sup>	2.63	4.42	8.33	11.65	1.03	3.91	6.52	12.09	16.58

25 psf Lateral Load																	
Wall Height (ft)	Spacing (in) oc	350S162				362S137				362S162				362S200			
		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	0.97	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
8	16	0.66 <sup>4</sup>	1.36	2.87	3.96	0.45 <sup>4</sup>	1.04	2.32	3.33	0.73	1.46	3.05	4.25	1.00	1.99	3.92	5.45
8	24	0.09 <sup>3</sup>	0.76 <sup>3</sup>	2.30 <sup>4</sup>	3.38	-	0.49 <sup>3</sup>	1.81 <sup>4</sup>	2.78	0.16 <sup>3</sup>	0.86 <sup>4</sup>	2.48	3.66	0.37 <sup>3</sup>	1.33	3.26	4.79
9	12	0.67 <sup>4</sup>	1.33	2.69	3.70	0.48 <sup>3</sup>	1.04	2.23	3.15	0.74 <sup>4</sup>	1.44	2.89	3.99	1.00	1.93	3.68	5.08
9	16	0.33 <sup>3</sup>	0.96 <sup>4</sup>	2.34	3.34	0.16 <sup>3</sup>	0.70 <sup>3</sup>	1.90 <sup>4</sup>	2.81	0.39 <sup>3</sup>	1.06 <sup>4</sup>	2.54	3.62	0.61 <sup>3</sup>	1.52	3.28	4.68
9	24	-	0.29 <sup>3</sup>	1.71 <sup>3</sup>	2.68 <sup>4</sup>	-	-	1.32 <sup>3</sup>	2.18 <sup>3</sup>	-	0.39 <sup>3</sup>	1.89 <sup>3</sup>	2.94 <sup>4</sup>	-	0.78 <sup>3</sup>	2.54 <sup>4</sup>	3.93
10	12	0.39 <sup>3</sup>	0.99 <sup>3</sup>	2.21	3.11	0.23 <sup>3</sup>	0.74 <sup>3</sup>	1.84 <sup>4</sup>	2.67	0.46 <sup>3</sup>	1.09 <sup>4</sup>	2.42	3.40	0.68 <sup>3</sup>	1.53	3.10	4.36
10	16	-	0.59 <sup>3</sup>	1.84 <sup>3</sup>	2.72 <sup>4</sup>	-	0.37 <sup>3</sup>	1.49 <sup>3</sup>	2.29 <sup>4</sup>	-	0.68 <sup>3</sup>	2.03 <sup>3</sup>	2.99	0.25 <sup>3</sup>	1.07 <sup>3</sup>	2.65 <sup>4</sup>	3.91
10	24	-	-	1.17 <sup>3</sup>	2.02 <sup>3</sup>	-	-	0.85 <sup>2</sup>	1.61 <sup>3</sup>	-	-	1.34 <sup>3</sup>	2.26 <sup>3</sup>	-	0.27 <sup>3</sup>	1.86 <sup>3</sup>	3.11 <sup>3</sup>
12	12	-	0.39 <sup>2</sup>	1.37 <sup>3</sup>	2.06 <sup>3</sup>	-	0.21 <sup>2</sup>	1.12 <sup>3</sup>	1.75 <sup>3</sup>	-	0.47 <sup>3</sup>	1.54 <sup>3</sup>	2.29 <sup>3</sup>	0.11 <sup>2</sup>	0.79 <sup>3</sup>	2.01 <sup>3</sup>	3.01 <sup>4</sup>
12	16	-	-	0.99 <sup>2</sup>	1.65 <sup>3</sup>	-	-	0.75 <sup>2</sup>	1.36 <sup>3</sup>	-	-	1.13 <sup>2</sup>	1.86 <sup>3</sup>	-	0.30 <sup>2</sup>	1.55 <sup>3</sup>	2.53 <sup>3</sup>
12	24	-	-	0.32 <sup>1</sup>	0.94 <sup>2</sup>	-	-	0.10 <sup>1</sup>	0.66 <sup>2</sup>	-	-	0.43 <sup>1</sup>	1.11 <sup>2</sup>	-	-	0.75 <sup>2</sup>	1.70 <sup>2</sup>
14	12	-	-	0.76 <sup>2</sup>	1.28 <sup>2</sup>	-	-	0.58 <sup>2</sup>	1.06 <sup>2</sup>	-	-	0.87 <sup>2</sup>	1.45 <sup>2</sup>	-	0.22 <sup>2</sup>	1.20 <sup>2</sup>	1.97 <sup>3</sup>
14	16	-	-	0.39 <sup>1</sup>	0.89 <sup>2</sup>	-	-	0.22 <sup>1</sup>	0.67 <sup>1</sup>	-	-	0.48 <sup>1</sup>	1.04 <sup>2</sup>	-	-	0.75 <sup>2</sup>	1.51 <sup>2</sup>
14	24	-	-	-	0.21 <sup>1</sup>	-	-	-	-	-	-	-	0.32 <sup>1</sup>	-	-	-	0.72 <sup>1</sup>
16	12	-	-	0.34 <sup>1</sup>	0.73 <sup>1</sup>	-	-	0.20 <sup>1</sup>	0.56 <sup>1</sup>	-	-	0.41 <sup>1</sup>	0.86 <sup>1</sup>	-	-	0.63 <sup>1</sup>	1.24 <sup>2</sup>
16	16	-	-	-	0.37 <sup>1</sup>	-	-	-	0.20 <sup>1</sup>	-	-	-	0.47 <sup>1</sup>	-	-	0.22 <sup>1</sup>	0.81 <sup>1</sup>
16	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

25 psf Lateral Load																	
Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200				550S162			
		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	0.89	1.56	2.98	4.24	1.23	2.05	3.85	5.37	1.55	2.67	4.89	6.76	1.79	2.82
8	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	1.54	2.59	4.87	6.72
8	24	0.10 <sup>3</sup>	0.72 <sup>4</sup>	2.19	3.39	0.37 <sup>4</sup>	1.15	2.98	4.45	0.60 <sup>4</sup>	1.67	3.89	5.75	1.07	2.14	4.44	6.30
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	1.56	2.59	4.86	6.73
9	16	0.32 <sup>3</sup>	0.93 <sup>4</sup>	2.31	3.49	0.59 <sup>4</sup>	1.35	3.06	4.45	0.84	1.87	3.92	5.68	1.26	2.31	4.58	6.45
9	24	-	0.29 <sup>3</sup>	1.70 <sup>3</sup>	2.82 <sup>4</sup>	-	0.66 <sup>3</sup>	2.39 <sup>4</sup>	3.73	0.14 <sup>3</sup>	1.12 <sup>4</sup>	3.16	4.89	0.69	1.76	4.04	5.91
10	12	0.39 <sup>3</sup>	0.97 <sup>4</sup>	2.26	3.36	0.65 <sup>4</sup>	1.38	2.95	4.26	0.90	1.87	3.75	5.39	1.32	2.34	4.55	6.47
10	16	-	0.59 <sup>3</sup>	1.89 <sup>4</sup>	2.95	0.26 <sup>3</sup>	0.96 <sup>4</sup>	2.54	3.82	0.47 <sup>3</sup>	1.41 <sup>4</sup>	3.29	4.91	0.96	2.00	4.21	6.13
10	24	-	-	1.22 <sup>3</sup>	2.21 <sup>3</sup>	-	0.20 <sup>3</sup>	1.81 <sup>3</sup>	3.01 <sup>4</sup>	-	0.58 <sup>3</sup>	2.45 <sup>3</sup>	4.03 <sup>4</sup>	0.29 <sup>4</sup>	1.35	3.56	5.46
12	12	-	0.41 <sup>3</sup>	1.51 <sup>3</sup>	2.37 <sup>4</sup>	0.13 <sup>3</sup>	0.72 <sup>3</sup>	2.03 <sup>3</sup>	3.06 <sup>4</sup>	0.30 <sup>3</sup>	1.10 <sup>3</sup>	2.62 <sup>4</sup>	3.95	0.79	1.78	3.82	5.61
12	16	-	-	1.09 <sup>3</sup>	1.91 <sup>3</sup>	-	0.25 <sup>2</sup>	1.58 <sup>3</sup>	2.56 <sup>3</sup>	-	0.58 <sup>3</sup>	2.11 <sup>3</sup>	3.41 <sup>4</sup>	0.34 <sup>3</sup>	1.33	3.36	5.13
12	24	-	-	0.37 <sup>2</sup>	1.11 <sup>2</sup>	-	-	0.78 <sup>2</sup>	1.70 <sup>2</sup>	-	-	1.20 <sup>2</sup>	2.45 <sup>3</sup>	-	0.50 <sup>3</sup>	2.51 <sup>4</sup>	4.24
14	12	-	-	0.87 <sup>2</sup>	1.52 <sup>3</sup>	-	0.18 <sup>2</sup>	1.26 <sup>3</sup>	2.02 <sup>3</sup>	-	0.46 <sup>2</sup>	1.67 <sup>3</sup>	2.69 <sup>3</sup>	0.28 <sup>3</sup>	1.19 <sup>4</sup>	2.99	4.60
14	16	-	-	0.46 <sup>1</sup>	1.06 <sup>2</sup>	-	-	0.81 <sup>2</sup>	1.54 <sup>2</sup>	-	-	1.16 <sup>2</sup>	2.15 <sup>3</sup>	-	0.66 <sup>3</sup>	2.45 <sup>3</sup>	4.02 <sup>4</sup>
14	24	-	-	-	0.28 <sup>1</sup>	-	-	-	0.70 <sup>1</sup>	-	-	0.28 <sup>1</sup>	1.23 <sup>2</sup>	-	-	1.49 <sup>3</sup>	2.98 <sup>3</sup>
16	12	-	-	0.40 <sup>1</sup>	0.89 <sup>2</sup>	-	-	0.68 <sup>2</sup>	1.27 <sup>2</sup>	-	-	0.97 <sup>2</sup>	1.76 <sup>2</sup>	-	0.63 <sup>3</sup>	2.19 <sup>3</sup>	3.56 <sup>4</sup>
16	16	-	-	-	0.46 <sup>1</sup>	-	-	0.25 <sup>1</sup>	0.81 <sup>1</sup>	-	-	0.49 <sup>1</sup>	1.26 <sup>2</sup>	-	-	1.61 <sup>3</sup>	2.94 <sup>3</sup>
16	24	-	-	-	-	-	-	-	-	-	-	-	0.39 <sup>1</sup>	-	-	0.60 <sup>2</sup>	1.84 <sup>2</sup>

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.



# Combined Axial and Lateral Loads

## 25 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	600S137						600S162					600S200				
		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	1.31	2.06	3.43	4.68	7.22	1.87	2.89	5.14	6.99	10.94	2.29	3.71	6.86	9.41	15.09	
	16	1.12	1.87	3.27	4.52	7.09	1.64	2.69	4.94	6.80	10.76	2.06	3.46	6.61	9.18	14.86	
	24	0.75	1.51	2.96	4.22	6.83	1.21	2.28	4.56	6.43	10.39	1.60	2.98	6.12	8.72	14.40	
9	12	1.15	1.90	3.29	4.54	7.10	1.68	2.71	4.96	6.81	10.77	2.08	3.46	6.54	9.07	14.66	
	16	0.91	1.67	3.09	4.34	6.93	1.40	2.45	4.71	6.57	10.53	1.79	3.15	6.23	8.77	14.36	
	24	0.46	1.21	2.70	3.95	6.59	0.86	1.95	4.22	6.09	10.05	1.23	2.55	5.61	8.19	13.77	
10	12	0.97	1.72	3.13	4.38	6.96	1.46	2.51	4.75	6.61	10.56	1.84	3.18	6.17	8.67	14.14	
	16	0.69	1.44	2.88	4.13	6.75	1.13	2.19	4.44	6.30	10.25	1.49	2.81	5.79	8.30	13.76	
	24	0.14 <sup>4</sup>	0.89	2.40	3.65	6.32	0.48	1.58	3.84	5.71	9.65	0.82	2.08	5.05	7.59	13.03	
12	12	0.58	1.32	2.75	3.99	6.61	0.97	2.01	4.20	6.09	10.01	1.31	2.55	5.30	7.68	12.83	
	16	0.20 <sup>4</sup>	0.93	2.40	3.63	6.28	0.53 <sup>4</sup>	1.58	3.77	5.64	9.54	0.85	2.04	4.78	7.17	12.28	
	24	-	0.20 <sup>3</sup>	1.73 <sup>4</sup>	2.95	5.66	-	0.76 <sup>4</sup>	2.94	4.79	8.66	-	1.10 <sup>4</sup>	3.79	6.20	11.25	
14	12	0.16 <sup>3</sup>	0.86 <sup>4</sup>	2.30	3.51	6.14	0.45 <sup>3</sup>	1.44	3.44	5.21	9.22	0.76 <sup>4</sup>	1.85	4.31	6.51	11.20	
	16	-	0.38 <sup>3</sup>	1.84 <sup>4</sup>	3.04	5.70	-	0.91 <sup>3</sup>	2.90 <sup>4</sup>	4.64	8.58	0.21 <sup>3</sup>	1.25 <sup>4</sup>	3.67	5.87	10.50	
	24	-	-	1.00 <sup>3</sup>	2.16 <sup>3</sup>	4.86 <sup>4</sup>	-	-	1.92 <sup>3</sup>	3.60 <sup>3</sup>	7.39	-	0.14 <sup>3</sup>	2.52 <sup>3</sup>	4.70 <sup>4</sup>	9.21	
16	12	-	0.39 <sup>3</sup>	1.80 <sup>3</sup>	2.96 <sup>4</sup>	5.56	-	0.87 <sup>3</sup>	2.64 <sup>4</sup>	4.22	7.74	0.23 <sup>3</sup>	1.18 <sup>3</sup>	3.31	5.28	9.42	
	16	-	-	1.25 <sup>3</sup>	2.38 <sup>3</sup>	4.99 <sup>4</sup>	-	0.28 <sup>3</sup>	2.04 <sup>3</sup>	3.57 <sup>3</sup>	6.99	-	0.50 <sup>3</sup>	2.61 <sup>3</sup>	4.56 <sup>4</sup>	8.61	
	24	-	-	0.28 <sup>2</sup>	1.35 <sup>2</sup>	3.95 <sup>3</sup>	-	-	0.98 <sup>2</sup>	2.42 <sup>3</sup>	5.67 <sup>3</sup>	-	-	1.37 <sup>3</sup>	3.28 <sup>3</sup>	7.16 <sup>4</sup>	

## 25 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	800S137				800S162					800S200				
		33 ksi		50 ksi		33 ksi		50 ksi			33 ksi		50 ksi		
		43	54	68	97	43	54	68	97	118	43	54	68	97	118
8	12	2.11	3.31	4.50	6.98	2.98	5.09	6.92	10.93	14.02	4.03	7.31	9.89	15.60	20.09
	16	1.98	3.21	4.40	6.89	2.82	4.95	6.78	10.80	13.91	3.85	7.14	9.73	15.45	19.94
	24	1.72	3.00	4.20	6.70	2.52	4.67	6.51	10.53	13.67	3.49	6.78	9.41	15.14	19.64
9	12	2.01	3.22	4.42	6.90	2.85	4.97	6.80	10.82	13.92	3.88	7.16	9.75	15.47	19.96
	16	1.84	3.09	4.29	6.78	2.65	4.79	6.62	10.64	13.77	3.65	6.93	9.54	15.27	19.76
	24	1.51	2.82	4.03	6.54	2.26	4.44	6.27	10.30	13.47	3.20	6.48	9.13	14.87	19.37
10	12	1.88	3.12	4.32	6.81	2.70	4.84	6.66	10.68	13.80	3.71	6.98	9.59	15.31	19.80
	16	1.68	2.96	4.16	6.66	2.46	4.61	6.44	10.46	13.61	3.42	6.70	9.33	15.05	19.55
	24	1.28	2.63	3.84	6.36	1.98	4.17	6.01	10.03	13.23	2.86	6.13	8.81	14.55	19.05
12	12	1.60	2.89	4.09	6.59	2.36	4.51	6.34	10.35	13.51	3.30	6.55	9.18	14.91	19.39
	16	1.31	2.65	3.86	6.37	2.01	4.18	6.02	10.03	13.22	2.89	6.13	8.80	14.53	19.01
	24	0.75	2.17	3.40	5.92	1.34	3.55	5.38	9.39	12.66	2.10	5.32	8.04	13.78	18.26
14	12	1.27	2.60	3.81	6.31	1.96	4.11	5.93	9.93	13.12	2.78	5.93	8.61	14.38	18.85
	16	0.89	2.28	3.49	6.00	1.49	3.66	5.49	9.48	12.72	2.24	5.37	8.08	13.83	18.30
	24	0.16 <sup>4</sup>	1.64	2.87	5.39	0.62	2.81	4.63	8.60	11.92	1.22	4.30	7.05	12.79	17.23
16	12	0.90	2.27	3.47	5.97	1.50	3.63	5.44	9.40	12.63	2.18	5.12	7.71	13.34	17.90
	16	0.42 <sup>4</sup>	1.85	3.06	5.56	0.93	3.07	4.86	8.79	12.08	1.53	4.43	7.04	12.64	17.16
	24	-	1.06 <sup>3</sup>	2.27 <sup>4</sup>	4.77	-	2.01 <sup>4</sup>	3.78	7.65	11.02	0.32 <sup>3</sup>	3.15	5.77	11.30	15.75

## 30 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	350S162				362S137				362S162				362S200			
		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	0.78	1.49	2.99	4.08	0.56 <sup>4</sup>	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 <sup>3</sup>	1.11 <sup>4</sup>	2.64	3.72	0.24 <sup>3</sup>	0.81 <sup>4</sup>	2.11	3.10	0.50 <sup>4</sup>	1.21	2.82	4.01	0.74 <sup>4</sup>	1.71	3.65	5.18
	24	-	0.42 <sup>3</sup>	1.99 <sup>3</sup>	3.05	-	0.18 <sup>3</sup>	1.52 <sup>3</sup>	2.47 <sup>4</sup>	-	0.52 <sup>3</sup>	2.16 <sup>4</sup>	3.32	-	0.95 <sup>4</sup>	2.89	4.42
9	12	0.46 <sup>3</sup>	1.11 <sup>4</sup>	2.48	3.48	0.28 <sup>3</sup>	0.83 <sup>4</sup>	2.03	2.94	0.53 <sup>3</sup>	1.21	2.68	3.77	0.77 <sup>4</sup>	1.68	3.44	4.84
	16	-	0.69 <sup>3</sup>	2.08 <sup>4</sup>	3.06	-	0.44 <sup>3</sup>	1.66 <sup>3</sup>	2.55 <sup>4</sup>	0.13 <sup>3</sup>	0.78 <sup>3</sup>	2.27 <sup>4</sup>	3.34	0.32 <sup>3</sup>	1.21 <sup>4</sup>	2.97	4.37
	24	-	-	1.37 <sup>3</sup>	2.31 <sup>3</sup>	-	-	0.99 <sup>3</sup>	1.84 <sup>3</sup>	-	-	1.54 <sup>3</sup>	2.57 <sup>3</sup>	-	0.37 <sup>3</sup>	2.12 <sup>3</sup>	3.51 <sup>4</sup>
10	12	0.17 <sup>3</sup>	0.74 <sup>3</sup>	1.99 <sup>4</sup>	2.88	-	0.51 <sup>3</sup>	1.62 <sup>3</sup>	2.44 <sup>4</sup>	0.23 <sup>3</sup>	0.84 <sup>3</sup>	2.18 <sup>4</sup>	3.15	0.42 <sup>3</sup>	1.25 <sup>4</sup>	2.83	4.09
	16	-	0.29 <sup>3</sup>	1.56 <sup>3</sup>	2.43 <sup>3</sup>	-	-	1.22 <sup>3</sup>	2.01 <sup>3</sup>	-	0.38 <sup>3</sup>	1.74 <sup>3</sup>	2.69 <sup>4</sup>	-	0.74 <sup>3</sup>	2.32 <sup>3</sup>	3.58 <sup>4</sup>
	24	-	-	0.81 <sup>2</sup>	1.63 <sup>3</sup>	-	-	0.51 <sup>2</sup>	1.25 <sup>2</sup>	-	-	0.96 <sup>2</sup>	1.86 <sup>3</sup>	-	-	1.43 <sup>3</sup>	2.66 <sup>3</sup>
12	12	-	0.13 <sup>2</sup>	1.13 <sup>2</sup>	1.81 <sup>3</sup>	-	-	0.89 <sup>2</sup>	1.51 <sup>3</sup>	-	0.20 <sup>2</sup>	1.29 <sup>3</sup>	2.03 <sup>3</sup>	-	0.49 <sup>3</sup>	1.73 <sup>3</sup>	2.72 <sup>3</sup>
	16	-	-	0.70 <sup>2</sup>	1.35 <sup>2</sup>	-	-	0.48 <sup>2</sup>	1.06 <sup>2</sup>	-	-	0.84 <sup>2</sup>	1.55 <sup>2</sup>	-	-	1.21 <sup>2</sup>	2.19 <sup>3</sup>
	24	-	-	-	0.56 <sup>1</sup>	-	-	-	0.29 <sup>1</sup>	-	-	-	0.71 <sup>1</sup>	-	-	0.31 <sup>1</sup>	1.26 <sup>2</sup>
14	12	-	-	0.53 <sup>1</sup>	1.04 <sup>2</sup>	-	-	0.35 <sup>1</sup>	0.82 <sup>2</sup>	-	-	0.64 <sup>1</sup>	1.19 <sup>2</sup>	-	-	0.92 <sup>2</sup>	1.69 <sup>2</sup>
	16	-	-	0.13 <sup>1</sup>	0.60 <sup>1</sup>	-	-	-	0.39 <sup>1</sup>	-	-	0.21 <sup>1</sup>	0.73 <sup>1</sup>	-	-	0.43 <sup>1</sup>	1.18 <sup>2</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31 <sup>1</sup>	-
16	12	-	-	0.13 <sup>1</sup>	0.51 <sup>1</sup>	-	-	-	0.34 <sup>1</sup>	-	-	0.19 <sup>1</sup>	0.62 <sup>1</sup>	-	-	0.38 <sup>1</sup>	0.97 <sup>1</sup>
	16	-	-	-	0.11 <sup>1</sup>	-	-	-	-	-	-	-	0.19 <sup>1</sup>	-	-	-	0.50 <sup>1</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.



		30 psf Lateral Load															
Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200				550S162			
		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	1.64	2.68	4.96	6.80
	16	0.40 <sup>4</sup>	1.04	2.50	3.72	0.70	1.50	3.32	4.81	0.97	2.06	4.28	6.14	1.35	2.41	4.70	6.55
	24	-	0.41 <sup>3</sup>	1.90 <sup>4</sup>	3.07	-	0.81 <sup>4</sup>	2.66	4.10	0.26 <sup>3</sup>	1.30	3.52	5.37	0.79	1.88	4.19	6.05
9	12	0.44 <sup>4</sup>	1.06	2.43	3.63	0.73 <sup>4</sup>	1.49	3.2	4.61	0.99	2.03	4.09	5.84	1.38	2.42	4.69	6.56
	16	-	0.67 <sup>3</sup>	2.06	3.21	0.33 <sup>3</sup>	1.07 <sup>4</sup>	2.78	4.16	0.55 <sup>4</sup>	1.56	3.61	5.35	1.03	2.09	4.36	6.23
	24	-	-	1.37 <sup>3</sup>	2.45 <sup>3</sup>	-	0.28 <sup>3</sup>	2.02 <sup>3</sup>	3.33 <sup>4</sup>	-	0.70 <sup>3</sup>	2.73 <sup>4</sup>	4.45	0.35	1.44	3.72	5.59
10	12	0.17 <sup>3</sup>	0.74 <sup>3</sup>	2.03 <sup>4</sup>	3.11	0.41 <sup>3</sup>	1.12 <sup>4</sup>	2.70	3.99	0.64 <sup>4</sup>	1.59	3.47	5.09	1.10	2.14	4.34	6.26
	16	-	0.30 <sup>3</sup>	1.61 <sup>3</sup>	2.65 <sup>4</sup>	-	0.64 <sup>3</sup>	2.24 <sup>4</sup>	3.48	0.15 <sup>3</sup>	1.07 <sup>3</sup>	2.94	4.54	0.69	1.74	3.94	5.85
	24	-	-	0.85 <sup>2</sup>	1.80 <sup>3</sup>	-	-	1.40 <sup>3</sup>	2.57 <sup>3</sup>	-	0.13 <sup>3</sup>	1.98 <sup>3</sup>	3.54 <sup>3</sup>	-	0.97 <sup>4</sup>	3.18	5.07
12	12	-	0.14 <sup>2</sup>	1.25 <sup>3</sup>	2.09 <sup>3</sup>	-	0.43 <sup>3</sup>	1.75 <sup>3</sup>	2.76 <sup>3</sup>	-	0.78 <sup>3</sup>	2.31 <sup>3</sup>	3.62 <sup>4</sup>	0.52 <sup>4</sup>	1.51	3.54	5.32
	16	-	-	0.79 <sup>2</sup>	1.58 <sup>3</sup>	-	-	1.25 <sup>2</sup>	2.20 <sup>3</sup>	-	0.20 <sup>2</sup>	1.73 <sup>3</sup>	3.00 <sup>3</sup>	-	0.99 <sup>4</sup>	3.01	4.76
	24	-	-	-	0.68 <sup>2</sup>	-	-	0.36 <sup>1</sup>	1.23 <sup>2</sup>	-	-	0.71 <sup>2</sup>	1.93 <sup>2</sup>	-	-	2.04 <sup>3</sup>	3.74 <sup>4</sup>
14	12	-	-	0.62 <sup>2</sup>	1.24 <sup>2</sup>	-	-	0.98 <sup>2</sup>	1.72 <sup>3</sup>	-	0.13 <sup>2</sup>	1.36 <sup>2</sup>	2.36 <sup>3</sup>	-	0.87 <sup>3</sup>	2.66 <sup>4</sup>	4.24
	16	-	-	0.16 <sup>1</sup>	0.73 <sup>1</sup>	-	-	0.48 <sup>1</sup>	1.18 <sup>2</sup>	-	-	0.79 <sup>2</sup>	1.76 <sup>2</sup>	-	0.26 <sup>3</sup>	2.05 <sup>3</sup>	3.59 <sup>3</sup>
	24	-	-	-	-	-	-	-	0.25 <sup>1</sup>	-	-	-	0.74 <sup>1</sup>	-	-	0.96 <sup>2</sup>	2.41 <sup>3</sup>
16	12	-	-	0.16 <sup>1</sup>	0.62 <sup>1</sup>	-	-	0.42 <sup>1</sup>	0.98 <sup>2</sup>	-	-	0.68 <sup>1</sup>	1.45 <sup>2</sup>	-	0.28 <sup>2</sup>	1.83 <sup>3</sup>	3.18 <sup>3</sup>
	16	-	-	-	0.15 <sup>1</sup>	-	-	-	0.48 <sup>1</sup>	-	-	0.14 <sup>1</sup>	0.89 <sup>1</sup>	-	-	1.19 <sup>2</sup>	2.48 <sup>3</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.26 <sup>2</sup>

		30 psf Lateral Load														
Wall Height (ft)	Spacing (in) oc	600S137					600S162					600S200				
		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	1.19	1.95	3.34	4.58	7.14	1.73	2.77	5.02	6.87	10.83	2.15	3.56	6.71	9.27	14.95
	16	0.97	1.73	3.15	4.40	6.99	1.47	2.53	4.79	6.65	10.61	1.88	3.27	6.42	9.00	14.67
	24	0.53	1.30	2.78	4.04	6.67	0.95	2.05	4.33	6.21	10.17	1.34	2.69	5.84	8.45	14.12
9	12	1.01	1.76	3.17	4.42	7.00	1.51	2.56	4.81	6.67	10.62	1.90	3.27	6.35	8.89	14.48
	16	0.73	1.48	2.93	4.18	6.80	1.18	2.25	4.51	6.38	10.34	1.56	2.91	5.98	8.54	14.12
	24	0.19	0.95	2.47	3.72	6.39	0.54	1.65	3.94	5.81	9.77	0.90	2.20	5.26	7.85	13.42
10	12	0.80	1.55	2.98	4.23	6.83	1.26	2.32	4.57	6.42	10.37	1.63	2.96	5.94	8.45	13.91
	16	0.47	1.22	2.69	3.94	6.58	0.86	1.94	4.20	6.06	10.01	1.22	2.51	5.49	8.01	13.47
	24	-	0.57	2.12	3.37	6.07	0.11 <sup>4</sup>	1.22	3.49	5.36	9.30	0.44	1.67	4.62	7.18	12.60
12	12	0.35 <sup>4</sup>	1.08	2.54	3.78	6.41	0.70	1.75	3.94	5.82	9.73	1.03	2.24	4.98	7.37	12.50
	16	-	0.63 <sup>4</sup>	2.13	3.36	6.03	0.19 <sup>3</sup>	1.24	3.43	5.30	9.18	0.50 <sup>4</sup>	1.66	4.37	6.77	11.86
	24	-	-	1.35 <sup>3</sup>	2.56 <sup>4</sup>	5.30	-	0.31 <sup>3</sup>	2.47 <sup>4</sup>	4.31	8.14	-	0.57 <sup>3</sup>	3.23	5.65	10.65
14	12	-	0.57 <sup>3</sup>	2.02 <sup>4</sup>	3.22	5.87	0.14 <sup>3</sup>	1.12 <sup>4</sup>	3.11	4.87	8.83	0.42 <sup>3</sup>	1.48	3.92	6.13	10.77
	16	-	-	1.50 <sup>3</sup>	2.68 <sup>4</sup>	5.35	-	0.52 <sup>3</sup>	2.49 <sup>3</sup>	4.21	8.09	-	0.79 <sup>3</sup>	3.19 <sup>4</sup>	5.39	9.97
	24	-	-	0.54 <sup>2</sup>	1.68 <sup>3</sup>	4.38 <sup>3</sup>	-	-	1.38 <sup>3</sup>	3.02 <sup>3</sup>	6.74 <sup>4</sup>	-	-	1.88 <sup>3</sup>	4.05 <sup>3</sup>	8.48
16	12	-	-	1.47 <sup>3</sup>	2.61 <sup>3</sup>	5.21	-	0.51 <sup>3</sup>	2.28 <sup>3</sup>	3.82 <sup>4</sup>	7.28	-	0.76 <sup>3</sup>	2.88 <sup>4</sup>	4.84	8.92
	16	-	-	0.85 <sup>2</sup>	1.95 <sup>3</sup>	4.56 <sup>3</sup>	-	-	1.60 <sup>3</sup>	3.09 <sup>3</sup>	6.44 <sup>4</sup>	-	-	2.09 <sup>3</sup>	4.03 <sup>3</sup>	8.00
	24	-	-	-	0.79 <sup>2</sup>	3.38 <sup>3</sup>	-	-	0.40 <sup>2</sup>	1.80 <sup>2</sup>	4.95 <sup>3</sup>	-	-	0.70 <sup>2</sup>	2.59 <sup>3</sup>	6.37 <sup>3</sup>

		30 psf Lateral Load														
Wall Height (ft)	Spacing (in) oc	800S137				800S162					800S200					
		33 ksi		50 ksi		33 ksi		50 ksi			33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	118	43	54	68	97	118	
8	12	2.03	3.25	4.44	6.93	2.89	5.01	6.83	10.85	13.95	3.93	7.21	9.80	15.51	20.00	
	16	1.88	3.12	4.32	6.81	2.70	4.84	6.67	10.69	13.81	3.71	6.99	9.60	15.33	19.82	
	24	1.57	2.87	4.08	6.59	2.33	4.50	6.34	10.37	13.53	3.28	6.57	9.21	14.96	19.45	
9	12	1.91	3.14	4.34	6.83	2.73	4.87	6.69	10.71	13.83	3.74	7.02	9.63	15.35	19.84	
	16	1.71	2.98	4.18	6.68	2.50	4.65	6.48	10.51	13.65	3.47	6.75	9.38	15.11	19.60	
	24	1.32	2.66	3.88	6.39	2.03	4.22	6.07	10.09	13.29	2.92	6.21	8.88	14.63	19.13	
10	12	1.76	3.02	4.22	6.72	2.56	4.70	6.53	10.55	13.69	3.54	6.81	9.43	15.16	19.65	
	16	1.52	2.83	4.03	6.54	2.27	4.43	6.27	10.29	13.46	3.20	6.47	9.12	14.85	19.35	
	24	1.04	2.43	3.65	6.18	1.70	3.91	5.75	9.78	13.01	2.53	5.80	8.50	14.25	18.75	
12	12	1.43	2.74	3.95	6.45	2.15	4.31	6.14	10.16	13.33	3.05	6.30	8.95	14.68	19.16	
	16	1.09	2.46	3.67	6.19	1.74	3.93	5.76	9.77	12.99	2.57	5.81	8.49	14.22	18.71	
	24	0.42	1.90	3.12	5.66	0.94	3.17	5.01	9.02	12.32	1.64	4.85	7.59	13.33	17.82	
14	12	1.04	2.40	3.61	6.12	1.68	3.84	5.66	9.65	12.88	2.46	5.59	8.29	14.05	18.52	
	16	0.59	2.02	3.24	5.76	1.14	3.32	5.14	9.12	12.40	1.83	4.94	7.66	13.41	17.87	
	24	-	1.28 <sup>4</sup>	2.50	5.04	0.12 <sup>4</sup>	2.33	4.14	8.08	11.46	0.64	3.69	6.45	12.17	16.61	
16	12	0.61	2.02	3.22	5.73	1.15	3.29	5.09	9.03	12.29	1.79	4.71	7.30	12.92	17.45	
	16	-	1.53 <sup>4</sup>	2.73	5.24	0.49 <sup>4</sup>	2.63	4.42	8.33	11.65	1.03	3.91	6.52	12.09	16.58	
	24	-	0.61 <sup>3</sup>	1.81 <sup>3</sup>	4.31	-	1.41 <sup>3</sup>	3.16 <sup>4</sup>	6.99	10.41	-	2.43 <sup>4</sup>	5.06	10.53	14.94	

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.



# Combined Axial and Lateral Loads

## 35 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	350S162				362S137				362S162				362S200			
		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 <sup>4</sup>	1.30	2.81	3.90	0.40 <sup>4</sup>	0.98	2.27	3.27	0.67 <sup>4</sup>	1.40	2.99	4.19	0.93	1.92	3.85	5.38
	16	0.20 <sup>3</sup>	0.87 <sup>4</sup>	2.41	3.49	-	0.59 <sup>3</sup>	1.91 <sup>4</sup>	2.88	0.27 <sup>3</sup>	0.98 <sup>4</sup>	2.59	3.77	0.49 <sup>4</sup>	1.45	3.39	4.92
	24	-	0.11 <sup>3</sup>	1.68 <sup>3</sup>	2.73 <sup>4</sup>	-	-	1.24 <sup>3</sup>	2.17 <sup>3</sup>	-	0.20 <sup>3</sup>	1.85 <sup>3</sup>	2.99 <sup>4</sup>	-	0.60 <sup>3</sup>	2.54 <sup>4</sup>	4.06
9	12	0.26 <sup>3</sup>	0.89 <sup>3</sup>	2.28 <sup>4</sup>	3.27	0.10 <sup>3</sup>	0.63 <sup>3</sup>	1.84 <sup>4</sup>	2.74	0.33 <sup>3</sup>	0.99 <sup>4</sup>	2.47	3.55	0.54 <sup>3</sup>	1.44	3.20	4.60
	16	-	0.42 <sup>3</sup>	1.83 <sup>3</sup>	2.80 <sup>4</sup>	-	0.19 <sup>3</sup>	1.43 <sup>3</sup>	2.30 <sup>4</sup>	-	0.52 <sup>3</sup>	2.02 <sup>3</sup>	3.07 <sup>4</sup>	-	0.92 <sup>3</sup>	2.68 <sup>4</sup>	4.07
	24	-	-	1.04 <sup>2</sup>	1.96 <sup>3</sup>	-	-	0.68 <sup>2</sup>	1.50 <sup>3</sup>	-	-	1.20 <sup>3</sup>	2.21 <sup>3</sup>	-	-	1.73 <sup>3</sup>	3.12 <sup>3</sup>
10	12	-	0.51 <sup>3</sup>	1.77 <sup>3</sup>	2.65 <sup>4</sup>	-	0.29 <sup>3</sup>	1.42 <sup>3</sup>	2.22 <sup>3</sup>	-	0.60 <sup>3</sup>	1.96 <sup>3</sup>	2.92 <sup>4</sup>	0.18 <sup>3</sup>	0.99 <sup>3</sup>	2.57 <sup>4</sup>	3.83
	16	-	-	1.30 <sup>3</sup>	2.15 <sup>3</sup>	-	-	0.97 <sup>3</sup>	1.74 <sup>3</sup>	-	0.10 <sup>2</sup>	1.47 <sup>3</sup>	2.40 <sup>3</sup>	-	0.43 <sup>3</sup>	2.01 <sup>3</sup>	3.26 <sup>4</sup>
	24	-	-	0.47 <sup>2</sup>	1.27 <sup>2</sup>	-	-	0.19 <sup>2</sup>	0.90 <sup>2</sup>	-	-	0.61 <sup>2</sup>	1.48 <sup>2</sup>	-	-	1.02 <sup>2</sup>	2.24 <sup>3</sup>
12	12	-	-	0.91 <sup>2</sup>	1.58 <sup>3</sup>	-	-	0.68 <sup>2</sup>	1.28 <sup>2</sup>	-	-	1.06 <sup>2</sup>	1.78 <sup>3</sup>	-	0.21 <sup>2</sup>	1.46 <sup>3</sup>	2.44 <sup>3</sup>
	16	-	-	0.45 <sup>1</sup>	1.07 <sup>2</sup>	-	-	0.22 <sup>1</sup>	0.79 <sup>2</sup>	-	-	0.56 <sup>2</sup>	1.25 <sup>2</sup>	-	-	0.90 <sup>2</sup>	1.86 <sup>2</sup>
	24	-	-	-	0.21 <sup>1</sup>	-	-	-	-	-	-	0.34 <sup>1</sup>	-	-	-	-	0.85 <sup>1</sup>
14	12	-	-	0.32 <sup>1</sup>	0.82 <sup>1</sup>	-	-	0.15 <sup>1</sup>	0.60 <sup>1</sup>	-	-	0.41 <sup>1</sup>	0.96 <sup>2</sup>	-	-	0.67 <sup>2</sup>	1.43 <sup>2</sup>
	16	-	-	-	0.34 <sup>1</sup>	-	-	-	0.13 <sup>1</sup>	-	-	0.45 <sup>1</sup>	-	-	0.13 <sup>1</sup>	0.87 <sup>1</sup>	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	12	-	-	-	0.30 <sup>1</sup>	-	-	-	0.14 <sup>1</sup>	-	-	0.39 <sup>1</sup>	-	-	0.14 <sup>1</sup>	0.73 <sup>1</sup>	-
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22 <sup>1</sup>	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 35 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200				550S162			
		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	1.49	2.54	4.83	6.68
	16	0.20 <sup>3</sup>	0.83	2.29	3.50	0.47 <sup>4</sup>	1.26	3.09	4.57	0.72	1.80	4.02	5.88	1.16	2.23	4.53	6.38
	24	-	0.11 <sup>3</sup>	1.62 <sup>3</sup>	2.77	-	0.49 <sup>3</sup>	2.34 <sup>4</sup>	3.76	-	0.95 <sup>4</sup>	3.15	5.00	0.52	1.63	3.94	5.80
9	12	0.25 <sup>3</sup>	0.86 <sup>4</sup>	2.24	3.42	0.52 <sup>4</sup>	1.28	2.99	4.38	0.77 <sup>4</sup>	1.79	3.84	5.60	1.20	2.25	4.53	6.40
	16	-	0.42 <sup>3</sup>	1.82 <sup>4</sup>	2.95	-	0.79 <sup>3</sup>	2.52	3.87	0.27 <sup>3</sup>	1.26 <sup>4</sup>	3.31	5.04	0.80	1.87	4.15	6.02
	24	-	-	1.05 <sup>3</sup>	2.09 <sup>3</sup>	-	-	1.66 <sup>3</sup>	2.94 <sup>3</sup>	-	0.30 <sup>3</sup>	2.32 <sup>3</sup>	4.03 <sup>4</sup>	-	1.13	3.41	5.28
10	12	-	0.51 <sup>3</sup>	1.82 <sup>4</sup>	2.87	0.19 <sup>3</sup>	0.88 <sup>3</sup>	2.47 <sup>4</sup>	3.73	0.39 <sup>3</sup>	1.33 <sup>4</sup>	3.20	4.81	0.89	1.93	4.14	6.06
	16	-	-	1.35 <sup>3</sup>	2.35 <sup>3</sup>	-	0.35 <sup>3</sup>	1.95 <sup>3</sup>	3.17 <sup>4</sup>	-	0.74 <sup>3</sup>	2.61 <sup>4</sup>	4.20	0.42 <sup>4</sup>	1.48	3.69	5.59
	24	-	-	0.51 <sup>2</sup>	1.42 <sup>3</sup>	-	-	1.02 <sup>2</sup>	2.15 <sup>3</sup>	-	-	1.54 <sup>3</sup>	3.08 <sup>3</sup>	-	0.61 <sup>4</sup>	2.82	4.69
12	12	-	-	1.02 <sup>2</sup>	1.82 <sup>3</sup>	-	0.16 <sup>2</sup>	1.49 <sup>3</sup>	2.47 <sup>3</sup>	-	0.49 <sup>3</sup>	2.01 <sup>3</sup>	3.30 <sup>3</sup>	0.25 <sup>3</sup>	1.24 <sup>4</sup>	3.27	5.04
	16	-	-	0.50 <sup>2</sup>	1.26 <sup>2</sup>	-	-	0.93 <sup>2</sup>	1.86 <sup>3</sup>	-	-	1.37 <sup>3</sup>	2.63 <sup>3</sup>	-	0.66 <sup>3</sup>	2.68 <sup>4</sup>	4.41
	24	-	-	-	0.28 <sup>1</sup>	-	-	-	0.79 <sup>2</sup>	-	-	0.26 <sup>2</sup>	1.45 <sup>2</sup>	-	-	1.59 <sup>3</sup>	3.26 <sup>3</sup>
14	12	-	-	0.38 <sup>1</sup>	0.98 <sup>2</sup>	-	-	0.72 <sup>2</sup>	1.44 <sup>2</sup>	-	-	1.07 <sup>2</sup>	2.05 <sup>3</sup>	-	0.56 <sup>3</sup>	2.35 <sup>3</sup>	3.91 <sup>4</sup>
	16	-	-	-	0.43 <sup>1</sup>	-	-	0.17 <sup>1</sup>	0.85 <sup>1</sup>	-	-	0.44 <sup>1</sup>	1.40 <sup>2</sup>	-	-	1.67 <sup>3</sup>	3.18 <sup>3</sup>
	24	-	-	-	-	-	-	-	-	-	-	0.28 <sup>1</sup>	-	-	0.47 <sup>2</sup>	1.88 <sup>2</sup>	-
16	12	-	-	-	0.38 <sup>1</sup>	-	-	0.18 <sup>1</sup>	0.72 <sup>1</sup>	-	-	0.40 <sup>1</sup>	1.16 <sup>2</sup>	-	-	1.50 <sup>3</sup>	2.82 <sup>3</sup>
	16	-	-	-	-	-	-	-	0.17 <sup>1</sup>	-	-	0.55 <sup>1</sup>	-	-	0.79 <sup>2</sup>	2.05 <sup>2</sup>	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72 <sup>1</sup>	-

## 35 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	600S137					600S162					600S200				
		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	1.08	1.84	3.24	4.49	7.06	1.60	2.65	4.90	6.76	10.72	2.01	3.41	6.56	9.13	14.81
	16	0.82	1.58	3.02	4.28	6.88	1.30	2.36	4.64	6.50	10.47	1.70	3.07	6.22	8.81	14.49
	24	0.32	1.09	2.60	3.86	6.52	0.70	1.81	4.11	5.99	9.96	1.07	2.41	5.55	8.18	13.85
9	12	0.87	1.62	3.05	4.30	6.90	1.34	2.40	4.66	6.52	10.48	1.73	3.09	6.17	8.72	14.30
	16	0.55	1.30	2.78	4.03	6.66	0.96	2.05	4.32	6.19	10.15	1.34	2.67	5.74	8.31	13.89
	24	-	0.69	2.24	3.50	6.19	0.24	1.36	3.66	5.53	9.49	0.58	1.85	4.90	7.52	13.07
10	12	0.63	1.38	2.84	4.08	6.70	1.06	2.13	4.38	6.24	10.19	1.42	2.73	5.71	8.23	13.69
	16	0.25	1.00	2.50	3.75	6.41	0.61	1.70	3.96	5.82	9.77	0.95	2.23	5.19	7.73	13.18
	24	-	0.27 <sup>4</sup>	1.84	3.09	5.82	-	0.88	3.15	5.01	8.95	-	1.26	4.19	6.77	12.18
12	12	0.13 <sup>3</sup>	0.85	2.33	3.56	6.22	0.44 <sup>4</sup>	1.49	3.68	5.55	9.45	0.76	1.94	4.67	7.07	12.18
	16	-	0.34 <sup>3</sup>	1.86 <sup>4</sup>	3.09	5.78	-	0.92 <sup>4</sup>	3.10	4.96	8.83	0.16 <sup>3</sup>	1.28	3.98	6.39	11.45
	24	-	-	0.98 <sup>3</sup>	2.18 <sup>3</sup>	4.95	-	-	2.03 <sup>3</sup>	3.84 <sup>4</sup>	7.65	-	-	2.70 <sup>4</sup>	5.11	10.08
14	12	-	0.28 <sup>3</sup>	1.75 <sup>3</sup>	2.95	5.61	-	0.81 <sup>3</sup>	2.80 <sup>4</sup>	4.53	8.45	0.10 <sup>3</sup>	1.13 <sup>4</sup>	3.55	5.75	10.36
	16	-	-	1.16 <sup>3</sup>	2.33 <sup>3</sup>	5.02	-	0.14 <sup>3</sup>	2.11 <sup>3</sup>	3.80 <sup>4</sup>	7.62	-	0.35 <sup>3</sup>	2.74 <sup>3</sup>	4.93	9.45
	24	-	-	0.10 <sup>2</sup>	1.21 <sup>3</sup>	3.93 <sup>3</sup>	-	-	0.86 <sup>2</sup>	2.47 <sup>3</sup>	6.11 <sup>3</sup>	-	-	1.28 <sup>3</sup>	3.44 <sup>3</sup>	7.80 <sup>4</sup>
16	12	-	-	1.15 <sup>3</sup>	2.27 <sup>3</sup>	4.88 <sup>4</sup>	-	0.17 <sup>3</sup>	1.93 <sup>3</sup>	3.45 <sup>3</sup>	6.85	-	0.38 <sup>3</sup>	2.47 <sup>3</sup>	4.43 <sup>4</sup>	8.45
	16	-	-	0.47 <sup>2</sup>	1.54 <sup>3</sup>	4.15 <sup>3</sup>	-	-	1.18 <sup>2</sup>	2.64 <sup>3</sup>	5.92 <sup>3</sup>	-	-	1.60 <sup>3</sup>	3.52 <sup>3</sup>	7.44 <sup>4</sup>
	24	-	-	-	0.26 <sup>2</sup>	2.85 <sup>2</sup>	-	-	-	1.22 <sup>2</sup>	4.28 <sup>3</sup>	-	-	-	1.94 <sup>2</sup>	5.64 <sup>3</sup>

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.

# Combined Axial and Lateral Loads



## 35 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	800S137				800S162				800S200					
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi			
		43	54	68	97	43	54	68	97	118	43	54	68	97	118
8	12	1.96	3.19	4.38	6.87	2.79	4.92	6.75	10.77	13.88	3.82	7.10	9.70	15.42	19.91
	16	1.78	3.04	4.24	6.74	2.58	4.73	6.56	10.58	13.72	3.57	6.85	9.47	15.20	19.70
	24	1.42	2.75	3.96	6.47	2.15	4.34	6.18	10.21	13.39	3.07	6.36	9.02	14.77	19.27
9	12	1.81	3.06	4.26	6.76	2.61	4.76	6.59	10.61	13.74	3.61	6.89	9.50	15.23	19.72
	16	1.58	2.88	4.08	6.59	2.34	4.51	6.34	10.37	13.53	3.29	6.57	9.21	14.95	19.44
	24	1.13	2.51	3.73	6.25	1.80	4.01	5.86	9.89	13.11	2.66	5.94	8.63	14.39	18.90
10	12	1.64	2.92	4.13	6.63	2.41	4.57	6.40	10.42	13.57	3.37	6.64	9.27	15.00	19.50
	16	1.36	2.69	3.90	6.42	2.08	4.26	6.10	10.12	13.31	2.97	6.25	8.91	14.65	19.15
	24	0.81	2.24	3.46	6.00	1.42	3.65	5.50	9.52	12.78	2.20	5.47	8.19	13.96	18.46
12	12	1.26	2.60	3.81	6.32	1.94	4.12	5.95	9.96	13.16	2.81	6.05	8.72	14.45	18.94
	16	0.86	2.27	3.49	6.01	1.47	3.67	5.51	9.52	12.77	2.25	5.48	8.19	13.92	18.41
	24	0.10	1.62	2.86	5.40	0.56	2.81	4.65	8.65	11.99	1.18	4.38	7.15	12.90	17.38
14	12	0.81	2.21	3.42	5.94	1.40	3.58	5.40	9.39	12.64	2.14	5.26	7.97	13.73	18.19
	16	0.30 <sup>4</sup>	1.77	2.99	5.51	0.79	2.98	4.80	8.77	12.08	1.42	4.51	7.25	12.99	17.44
	24	-	0.92 <sup>3</sup>	2.15	4.68	-	1.85 <sup>4</sup>	3.65	7.58	11.00	-	3.10	5.87	11.58	16.00
16	12	0.33 <sup>4</sup>	1.77	2.98	5.48	0.81 <sup>4</sup>	2.96	4.75	8.68	11.97	1.40	4.30	6.91	12.50	17.01
	16	-	1.21 <sup>3</sup>	2.42	4.93	-	2.21 <sup>4</sup>	3.99	7.87	11.23	0.55 <sup>4</sup>	3.40	6.02	11.56	16.02
	24	-	0.18 <sup>3</sup>	1.37 <sup>3</sup>	3.86 <sup>4</sup>	-	0.84 <sup>3</sup>	2.57 <sup>3</sup>	6.36	9.82	-	1.75 <sup>3</sup>	4.37 <sup>4</sup>	9.79	14.16

## 40 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	350S162				362S137				362S162				362S200			
		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	0.43 <sup>3</sup>	1.11 <sup>4</sup>	2.64	3.72	0.24 <sup>3</sup>	0.81 <sup>4</sup>	2.11	3.10	0.50 <sup>4</sup>	1.21	2.82	4.01	0.74 <sup>4</sup>	1.71	3.65	5.18
	16	-	0.65 <sup>3</sup>	2.20 <sup>4</sup>	3.26	-	0.38 <sup>3</sup>	1.71 <sup>4</sup>	2.67	-	0.75 <sup>3</sup>	2.37 <sup>4</sup>	3.54	0.25 <sup>3</sup>	1.20 <sup>4</sup>	3.14	4.67
	24	-	-	1.39 <sup>3</sup>	2.42 <sup>3</sup>	-	-	0.97 <sup>3</sup>	1.88 <sup>3</sup>	-	-	1.56 <sup>3</sup>	2.68 <sup>3</sup>	-	0.26 <sup>3</sup>	2.19 <sup>3</sup>	3.72 <sup>4</sup>
9	12	-	0.69 <sup>3</sup>	2.08 <sup>4</sup>	3.06	-	0.44 <sup>3</sup>	1.66 <sup>3</sup>	2.55 <sup>4</sup>	0.13 <sup>3</sup>	0.78 <sup>3</sup>	2.27 <sup>4</sup>	3.34	0.32 <sup>3</sup>	1.21 <sup>4</sup>	2.97	4.37
	16	-	0.17 <sup>3</sup>	1.60 <sup>3</sup>	2.55 <sup>3</sup>	-	-	1.21 <sup>3</sup>	2.07 <sup>3</sup>	-	0.26 <sup>3</sup>	1.77 <sup>3</sup>	2.82 <sup>4</sup>	-	0.64 <sup>3</sup>	2.40 <sup>3</sup>	3.79
	24	-	-	0.72 <sup>2</sup>	1.63 <sup>3</sup>	-	-	0.39 <sup>2</sup>	1.19 <sup>2</sup>	-	-	0.87 <sup>2</sup>	1.86 <sup>3</sup>	-	-	1.36 <sup>3</sup>	2.73 <sup>3</sup>
10	12	-	0.29 <sup>3</sup>	1.56 <sup>3</sup>	2.43 <sup>3</sup>	-	-	1.22 <sup>3</sup>	2.01 <sup>3</sup>	-	0.38 <sup>3</sup>	1.74 <sup>3</sup>	2.69 <sup>4</sup>	-	0.74 <sup>3</sup>	2.32 <sup>3</sup>	3.58 <sup>4</sup>
	16	-	-	1.05 <sup>2</sup>	1.89 <sup>3</sup>	-	-	0.74 <sup>2</sup>	1.49 <sup>3</sup>	-	-	1.21 <sup>3</sup>	2.12 <sup>3</sup>	-	0.13 <sup>2</sup>	1.71 <sup>3</sup>	2.95 <sup>3</sup>
	24	-	-	0.15 <sup>1</sup>	0.93 <sup>2</sup>	-	-	-	0.57 <sup>2</sup>	-	-	0.27 <sup>2</sup>	1.12 <sup>2</sup>	-	-	0.64 <sup>2</sup>	1.85 <sup>2</sup>
12	12	-	-	0.70 <sup>2</sup>	1.35 <sup>2</sup>	-	-	0.48 <sup>2</sup>	1.06 <sup>2</sup>	-	-	0.84 <sup>2</sup>	1.55 <sup>2</sup>	-	-	1.21 <sup>2</sup>	2.19 <sup>3</sup>
	16	-	-	0.20 <sup>1</sup>	0.81 <sup>2</sup>	-	-	-	0.54 <sup>1</sup>	-	-	0.30 <sup>1</sup>	0.97 <sup>2</sup>	-	-	0.60 <sup>2</sup>	1.55 <sup>2</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45 <sup>1</sup>
14	12	-	-	0.13 <sup>1</sup>	0.60 <sup>1</sup>	-	-	-	0.39 <sup>1</sup>	-	-	0.21 <sup>1</sup>	0.73 <sup>1</sup>	-	-	0.43 <sup>1</sup>	1.18 <sup>2</sup>
	16	-	-	-	-	-	-	-	-	-	-	0.19 <sup>1</sup>	-	-	-	-	0.58 <sup>1</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	12	-	-	-	0.11 <sup>1</sup>	-	-	-	-	-	-	-	0.19 <sup>1</sup>	-	-	-	0.50 <sup>1</sup>
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 40 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200				550S162			
		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	0.40 <sup>4</sup>	1.04	2.50	3.72	0.70	1.50	3.32	4.81	0.97	2.06	4.28	6.14	1.35	2.41	4.70	6.55
	16	-	0.62 <sup>4</sup>	2.10	3.28	0.26 <sup>3</sup>	1.03	2.87	4.33	0.49 <sup>4</sup>	1.55	3.76	5.62	0.98	2.06	4.36	6.21
	24	-	-	1.35 <sup>3</sup>	2.47 <sup>4</sup>	-	0.18 <sup>3</sup>	2.04 <sup>4</sup>	3.44	-	0.61 <sup>3</sup>	2.80 <sup>4</sup>	4.64	0.26	1.37	3.69	5.56
9	12	-	0.67 <sup>3</sup>	2.06	3.21	0.33 <sup>3</sup>	1.07 <sup>4</sup>	2.78	4.16	0.55 <sup>4</sup>	1.56	3.61	5.35	1.03	2.09	4.36	6.23
	16	-	0.18 <sup>3</sup>	1.59 <sup>3</sup>	2.70 <sup>4</sup>	-	0.53 <sup>3</sup>	2.26 <sup>4</sup>	3.60	-	0.98 <sup>4</sup>	3.01	4.74	0.57	1.65	3.93	5.80
	24	-	-	0.74 <sup>3</sup>	1.75 <sup>3</sup>	-	-	1.32 <sup>3</sup>	2.57 <sup>3</sup>	-	-	1.93 <sup>3</sup>	3.62 <sup>4</sup>	-	0.82	3.11	4.98
10	12	-	0.30 <sup>3</sup>	1.61 <sup>3</sup>	2.65 <sup>4</sup>	-	0.64 <sup>3</sup>	2.24 <sup>4</sup>	3.48	0.15 <sup>3</sup>	1.07 <sup>3</sup>	2.94	4.54	0.69	1.74	3.94	5.85
	16	-	-	1.09 <sup>3</sup>	2.07 <sup>3</sup>	-	-	1.67 <sup>3</sup>	2.86 <sup>3</sup>	-	0.43 <sup>3</sup>	2.29 <sup>3</sup>	3.86 <sup>4</sup>	0.16 <sup>4</sup>	1.22	3.43	5.33
	24	-	-	0.18 <sup>2</sup>	1.05 <sup>2</sup>	-	-	0.66 <sup>2</sup>	1.75 <sup>3</sup>	-	-	1.13 <sup>3</sup>	2.64 <sup>3</sup>	-	0.26 <sup>3</sup>	2.46 <sup>4</sup>	4.32
12	12	-	-	0.79 <sup>2</sup>	1.58 <sup>3</sup>	-	-	1.25 <sup>2</sup>	2.20 <sup>3</sup>	-	0.20 <sup>2</sup>	1.73 <sup>3</sup>	3.00 <sup>3</sup>	-	0.99 <sup>4</sup>	3.01	4.76
	16	-	-	0.23 <sup>1</sup>	0.96 <sup>2</sup>	-	-	0.64 <sup>2</sup>	1.53 <sup>2</sup>	-	-	1.03 <sup>2</sup>	2.27 <sup>3</sup>	-	0.34 <sup>3</sup>	2.35 <sup>3</sup>	4.07 <sup>4</sup>
	24	-	-	-	-	-	-	-	0.38 <sup>1</sup>	-	-	-	1.00 <sup>2</sup>	-	-	1.16 <sup>3</sup>	2.80 <sup>3</sup>
14	12	-	-	0.16 <sup>1</sup>	0.73 <sup>1</sup>	-	-	0.48 <sup>1</sup>	1.18 <sup>2</sup>	-	-	0.79 <sup>2</sup>	1.76 <sup>2</sup>	-	0.26 <sup>3</sup>	2.05 <sup>3</sup>	3.59 <sup>3</sup>
	16	-	-	-	0.14 <sup>1</sup>	-	-	-	0.55 <sup>1</sup>	-	-	0.12 <sup>1</sup>	1.06 <sup>2</sup>	-	-	1.31 <sup>2</sup>	2.79 <sup>3</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.38 <sup>2</sup>
16	12	-	-	-	0.15 <sup>1</sup>	-	-	-	0.48 <sup>1</sup>	-	-	0.14 <sup>1</sup>	0.89 <sup>1</sup>	-	-	1.19 <sup>2</sup>	2.48 <sup>3</sup>
	16	-	-	-	-	-	-	-	-	-	-	-	0.24 <sup>1</sup>	-	-	0.42 <sup>1</sup>	1.64 <sup>2</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20 <sup>1</sup>

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.



# Combined Axial and Lateral Loads

## 40 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	600S137					600S162					600S200				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	0.97	1.73	3.15	4.40	6.99	1.47	2.53	4.79	6.65	10.61	1.88	3.27	6.42	9.00	14.67
	16	0.68	1.44	2.90	4.16	6.78	1.12	2.20	4.48	6.35	10.32	1.52	2.88	6.03	8.63	14.30
	24	0.11	0.88	2.41	3.68	6.36	0.45	1.58	3.89	5.77	9.74	0.81	2.13	5.27	7.92	13.58
9	12	0.73	1.48	2.93	4.18	6.80	1.18	2.25	4.51	6.38	10.34	1.56	2.91	5.98	8.54	14.12
	16	0.37	1.13	2.62	3.88	6.53	0.75	1.85	4.13	6.00	9.96	1.12	2.43	5.49	8.08	13.65
	24	-	0.43	2.01	3.27	6.00	-	1.07	3.38	5.25	9.22	0.27	1.51	4.55	7.18	12.73
10	12	0.47	1.22	2.69	3.94	6.58	0.86	1.94	4.20	6.06	10.01	1.22	2.51	5.49	8.01	13.47
	16	-	0.78	2.31	3.56	6.24	0.36	1.46	3.73	5.59	9.53	0.69	1.94	4.90	7.45	12.89
	24	-	-	1.57 <sup>4</sup>	2.82	5.58	-	0.54 <sup>4</sup>	2.82	4.68	8.61	-	0.86	3.78	6.37	11.76
12	12	-	0.63 <sup>4</sup>	2.13	3.36	6.03	0.19 <sup>3</sup>	1.24	3.43	5.30	9.18	0.50 <sup>4</sup>	1.66	4.37	6.77	11.86
	16	-	-	1.60 <sup>4</sup>	2.82	5.54	-	0.61 <sup>3</sup>	2.78 <sup>4</sup>	4.63	8.48	-	0.92 <sup>4</sup>	3.60	6.01	11.05
	24	-	-	0.63 <sup>3</sup>	1.82 <sup>3</sup>	4.60 <sup>4</sup>	-	-	1.59 <sup>3</sup>	3.39 <sup>3</sup>	7.17	-	-	2.19 <sup>3</sup>	4.60 <sup>4</sup>	9.52
14	12	-	-	1.50 <sup>3</sup>	2.68 <sup>4</sup>	5.35	-	0.52 <sup>3</sup>	2.49 <sup>3</sup>	4.21	8.09	-	0.79 <sup>3</sup>	3.19 <sup>4</sup>	5.39	9.97
	16	-	-	0.84 <sup>3</sup>	2.00 <sup>3</sup>	4.70 <sup>4</sup>	-	-	1.74 <sup>3</sup>	3.41 <sup>3</sup>	7.17	-	-	2.30 <sup>3</sup>	4.48 <sup>4</sup>	8.96
	24	-	-	-	0.77 <sup>2</sup>	3.49 <sup>3</sup>	-	-	0.38 <sup>2</sup>	1.95 <sup>3</sup>	5.51 <sup>3</sup>	-	-	0.71 <sup>2</sup>	2.85 <sup>3</sup>	7.15 <sup>3</sup>
16	12	-	-	0.85 <sup>2</sup>	1.95 <sup>3</sup>	4.56 <sup>3</sup>	-	-	1.60 <sup>3</sup>	3.09 <sup>3</sup>	6.44 <sup>4</sup>	-	-	2.09 <sup>3</sup>	4.03 <sup>3</sup>	8.00
	16	-	-	0.10 <sup>2</sup>	1.16 <sup>2</sup>	3.76 <sup>3</sup>	-	-	0.78 <sup>2</sup>	2.21 <sup>3</sup>	5.42 <sup>3</sup>	-	-	1.14 <sup>2</sup>	3.04 <sup>3</sup>	6.89 <sup>3</sup>
	24	-	-	-	-	2.34 <sup>2</sup>	-	-	-	0.67 <sup>2</sup>	3.64 <sup>2</sup>	-	-	-	1.32 <sup>2</sup>	4.94 <sup>3</sup>

## 40 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	800S137				800S162					800S200				
		33 ksi		50 ksi		33 ksi		50 ksi			33 ksi		50 ksi		
		43	54	68	97	43	54	68	97	118	43	54	68	97	118
8	12	1.88	3.12	4.32	6.81	2.70	4.84	6.67	10.69	13.81	3.71	6.99	9.60	15.33	19.82
	16	1.67	2.95	4.16	6.66	2.45	4.62	6.45	10.48	13.62	3.42	6.71	9.34	15.08	19.58
	24	1.26	2.62	3.84	6.36	1.97	4.17	6.02	10.05	13.25	2.85	6.15	8.83	14.59	19.09
9	12	1.71	2.98	4.18	6.68	2.50	4.65	6.48	10.51	13.65	3.47	6.75	9.38	15.11	19.60
	16	1.45	2.77	3.98	6.49	2.19	4.37	6.20	10.23	13.41	3.11	6.39	9.05	14.79	19.29
	24	0.94	2.35	3.57	6.11	1.57	3.80	5.65	9.69	12.93	2.39	5.67	8.39	14.16	18.66
10	12	1.52	2.83	4.03	6.54	2.27	4.43	6.27	10.29	13.46	3.20	6.47	9.12	14.85	19.35
	16	1.20	2.56	3.78	6.30	1.89	4.08	5.92	9.95	13.16	2.75	6.02	8.70	14.45	18.95
	24	0.58	2.04	3.28	5.82	1.14	3.39	5.24	9.27	12.56	1.88	5.14	7.89	13.66	18.16
12	12	1.09	2.46	3.67	6.19	1.74	3.93	5.76	9.77	12.99	2.57	5.81	8.49	14.22	18.71
	16	0.64	2.08	3.30	5.84	1.21	3.42	5.26	9.27	12.55	1.94	5.16	7.89	13.63	18.11
	24	-	1.35	2.59	5.14	0.18	2.44	4.29	8.28	11.66	0.74	3.92	6.72	12.46	16.94
14	12	0.59	2.02	3.24	5.76	1.14	3.32	5.14	9.12	12.40	1.83	4.94	7.66	13.41	17.87
	16	-	1.52	2.74	5.27	0.45 <sup>4</sup>	2.65	4.47	8.42	11.77	1.03	4.10	6.85	12.58	17.02
	24	-	0.57 <sup>3</sup>	1.80 <sup>4</sup>	4.34	-	1.39 <sup>3</sup>	3.18	7.09	10.55	-	2.52 <sup>4</sup>	5.31	10.99	15.40
16	12	-	1.53 <sup>4</sup>	2.73	5.24	0.49 <sup>4</sup>	2.63	4.42	8.33	11.65	1.03	3.91	6.52	12.09	16.58
	16	-	0.91 <sup>3</sup>	2.11 <sup>4</sup>	4.62	-	1.81 <sup>3</sup>	3.57	7.43	10.82	-	2.91 <sup>4</sup>	5.53	11.04	15.48
	24	-	-	0.94 <sup>3</sup>	3.43 <sup>3</sup>	-	0.29 <sup>3</sup>	2.00 <sup>3</sup>	5.74 <sup>4</sup>	9.24	-	1.09 <sup>3</sup>	3.71 <sup>3</sup>	9.07	13.40

## 50 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	350S162				362S137				362S162				362S200			
		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	-	0.76 <sup>3</sup>	2.30 <sup>4</sup>	3.38	-	0.49 <sup>3</sup>	1.81 <sup>4</sup>	2.78	0.16 <sup>3</sup>	0.86 <sup>4</sup>	2.48	3.66	0.37 <sup>3</sup>	1.33	3.26	4.79
	16	-	0.21 <sup>3</sup>	1.78 <sup>3</sup>	2.83 <sup>4</sup>	-	-	1.33 <sup>3</sup>	2.27 <sup>4</sup>	-	0.31 <sup>3</sup>	1.96 <sup>3</sup>	3.10 <sup>4</sup>	-	0.72 <sup>3</sup>	2.65 <sup>4</sup>	4.18
	24	-	-	0.83 <sup>2</sup>	1.84 <sup>3</sup>	-	-	0.46 <sup>2</sup>	1.33 <sup>3</sup>	-	-	0.99 <sup>3</sup>	2.08 <sup>3</sup>	-	-	1.54 <sup>3</sup>	3.06 <sup>3</sup>
9	12	-	0.29 <sup>3</sup>	1.71 <sup>3</sup>	2.68 <sup>4</sup>	-	-	1.32 <sup>3</sup>	2.18 <sup>3</sup>	-	0.39 <sup>3</sup>	1.89 <sup>3</sup>	2.94 <sup>4</sup>	-	0.78 <sup>3</sup>	2.54 <sup>4</sup>	3.93
	16	-	-	1.14 <sup>3</sup>	2.07 <sup>3</sup>	-	-	0.78 <sup>2</sup>	1.61 <sup>3</sup>	-	-	1.31 <sup>3</sup>	2.32 <sup>3</sup>	-	0.11 <sup>3</sup>	1.86 <sup>3</sup>	3.25 <sup>3</sup>
	24	-	-	0.14 <sup>2</sup>	1.00 <sup>2</sup>	-	-	-	0.60 <sup>2</sup>	-	-	0.27 <sup>2</sup>	1.21 <sup>2</sup>	-	-	0.67 <sup>2</sup>	2.02 <sup>3</sup>
10	12	-	-	1.17 <sup>3</sup>	2.02 <sup>3</sup>	-	-	0.85 <sup>2</sup>	1.61 <sup>3</sup>	-	-	1.34 <sup>3</sup>	2.26 <sup>3</sup>	-	0.27 <sup>3</sup>	1.86 <sup>3</sup>	3.11 <sup>3</sup>
	16	-	-	0.58 <sup>2</sup>	1.39 <sup>2</sup>	-	-	0.29 <sup>2</sup>	1.01 <sup>2</sup>	-	-	0.72 <sup>2</sup>	1.61 <sup>3</sup>	-	-	1.15 <sup>2</sup>	2.38 <sup>3</sup>
	24	-	-	-	0.29 <sup>1</sup>	-	-	-	-	-	-	-	0.45 <sup>2</sup>	-	-	-	1.10 <sup>2</sup>
12	12	-	-	0.32 <sup>1</sup>	0.94 <sup>2</sup>	-	-	0.10 <sup>1</sup>	0.66 <sup>2</sup>	-	-	0.43 <sup>1</sup>	1.11 <sup>2</sup>	-	-	0.75 <sup>2</sup>	1.70 <sup>2</sup>
	16	-	-	-	0.32 <sup>1</sup>	-	-	-	-	-	-	0.46 <sup>1</sup>	-	-	-	-	0.98 <sup>2</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	12	-	-	-	0.21 <sup>1</sup>	-	-	-	-	-	-	0.32 <sup>1</sup>	-	-	-	-	0.72 <sup>1</sup>
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.

# Combined Axial and Lateral Loads



## 50 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200				550S162			
		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 <sup>3</sup>	0.72 <sup>4</sup>	2.19	3.39	0.37 <sup>4</sup>	1.15	2.98	4.45	0.60 <sup>4</sup>	1.67	3.89	5.75	1.07	2.14	4.44	6.30
	16	-	0.21 <sup>3</sup>	1.71 <sup>4</sup>	2.87	-	0.59 <sup>3</sup>	2.45	3.87	-	1.07 <sup>4</sup>	3.27	5.12	0.61	1.71	4.02	5.88
	24	-	-	0.82 <sup>3</sup>	1.90 <sup>3</sup>	-	-	1.46 <sup>3</sup>	2.81 <sup>3</sup>	-	-	2.13 <sup>3</sup>	3.95 <sup>4</sup>	-	0.88	3.21	5.08
9	12	-	0.29 <sup>3</sup>	1.70 <sup>3</sup>	2.82 <sup>4</sup>	-	0.66 <sup>3</sup>	2.39 <sup>4</sup>	3.73	0.14 <sup>3</sup>	1.12 <sup>4</sup>	3.16	4.89	0.69	1.76	4.04	5.91
	16	-	-	1.15 <sup>3</sup>	2.21 <sup>3</sup>	-	-	1.78 <sup>3</sup>	3.07 <sup>4</sup>	-	0.43 <sup>3</sup>	2.46 <sup>3</sup>	4.17	0.14 <sup>4</sup>	1.23	3.52	5.39
	24	-	-	0.15 <sup>2</sup>	1.10 <sup>2</sup>	-	-	0.68 <sup>2</sup>	1.87 <sup>3</sup>	-	-	1.19 <sup>3</sup>	2.84 <sup>3</sup>	-	0.23 <sup>3</sup>	2.52 <sup>4</sup>	4.38
10	12	-	-	1.22 <sup>3</sup>	2.21 <sup>3</sup>	-	0.20 <sup>3</sup>	1.81 <sup>3</sup>	3.01 <sup>4</sup>	-	0.58 <sup>3</sup>	2.45 <sup>3</sup>	4.03 <sup>4</sup>	0.29 <sup>4</sup>	1.35	3.56	5.46
	16	-	-	0.62 <sup>2</sup>	1.55 <sup>3</sup>	-	-	1.14 <sup>3</sup>	2.29 <sup>3</sup>	-	-	1.69 <sup>3</sup>	3.23 <sup>3</sup>	-	0.73 <sup>4</sup>	2.94	4.82
	24	-	-	-	0.37 <sup>2</sup>	-	-	-	1.00 <sup>2</sup>	-	-	0.35 <sup>2</sup>	1.82 <sup>2</sup>	-	-	1.78 <sup>3</sup>	3.61 <sup>4</sup>
12	12	-	-	0.37 <sup>2</sup>	1.11 <sup>2</sup>	-	-	0.78 <sup>2</sup>	1.70 <sup>2</sup>	-	-	1.20 <sup>2</sup>	2.45 <sup>3</sup>	-	0.50 <sup>3</sup>	2.51 <sup>4</sup>	4.24
	16	-	-	-	0.41 <sup>1</sup>	-	-	-	0.94 <sup>2</sup>	-	-	0.41 <sup>2</sup>	1.61 <sup>2</sup>	-	-	1.74 <sup>3</sup>	3.42 <sup>3</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	0.16 <sup>1</sup>	-	-	0.34 <sup>2</sup>	1.93 <sup>3</sup>
14	12	-	-	-	0.28 <sup>1</sup>	-	-	-	0.70 <sup>1</sup>	-	-	0.28 <sup>1</sup>	1.23 <sup>2</sup>	-	-	1.49 <sup>3</sup>	2.98 <sup>3</sup>
	16	-	-	-	-	-	-	-	-	-	-	0.43 <sup>1</sup>	-	-	-	0.63 <sup>2</sup>	2.06 <sup>2</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43 <sup>1</sup>
16	12	-	-	-	-	-	-	-	-	-	-	0.39 <sup>1</sup>	-	-	-	0.60 <sup>2</sup>	1.84 <sup>2</sup>
	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.89 <sup>1</sup>
	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 50 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	600S137					600S162					600S200				
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	0.75	1.51	2.96	4.22	6.83	1.21	2.28	4.56	6.43	10.39	1.60	2.98	6.12	8.72	14.40
	16	0.39	1.16	2.66	3.92	6.57	0.78	1.89	4.18	6.06	10.03	1.16	2.50	5.64	8.27	13.94
	24	-	0.46	2.06	3.32	6.05	-	1.12	3.45	5.34	9.31	0.30	1.58	4.71	7.39	13.05
9	12	0.46	1.21	2.70	3.95	6.59	0.86	1.95	4.22	6.09	10.05	1.23	2.55	5.61	8.19	13.77
	16	-	0.78	2.31	3.57	6.26	0.34	1.46	3.75	5.62	9.58	0.68	1.97	5.02	7.63	13.19
	24	-	-	1.57	2.83	5.60	-	0.52 <sup>4</sup>	2.83	4.71	8.67	-	0.85	3.87	6.53	12.06
10	12	0.14 <sup>4</sup>	0.89	2.40	3.65	6.32	0.48	1.58	3.84	5.71	9.65	0.82	2.08	5.05	7.59	13.03
	16	-	0.37 <sup>4</sup>	1.93	3.18	5.91	-	0.99	3.27	5.13	9.07	0.19 <sup>4</sup>	1.39	4.33	6.90	12.32
	24	-	-	1.04 <sup>3</sup>	2.29 <sup>4</sup>	5.10	-	-	2.17 <sup>4</sup>	4.02	7.94	-	0.10 <sup>4</sup>	2.99	5.59	10.94
12	12	-	0.20 <sup>3</sup>	1.73 <sup>4</sup>	2.95	5.66	-	0.76 <sup>4</sup>	2.94	4.79	8.66	-	1.10 <sup>4</sup>	3.79	6.20	11.25
	16	-	-	1.10 <sup>3</sup>	2.31 <sup>4</sup>	5.07	-	-	2.17 <sup>3</sup>	3.99 <sup>4</sup>	7.81	-	0.23 <sup>3</sup>	2.88 <sup>4</sup>	5.29	10.27
	24	-	-	-	1.11 <sup>3</sup>	3.94 <sup>3</sup>	-	-	0.77 <sup>3</sup>	2.52 <sup>3</sup>	6.24 <sup>4</sup>	-	-	1.21 <sup>3</sup>	3.62 <sup>3</sup>	8.45
14	12	-	-	1.00 <sup>3</sup>	2.16 <sup>3</sup>	4.86 <sup>4</sup>	-	-	1.92 <sup>3</sup>	3.60 <sup>3</sup>	7.39	-	0.14 <sup>3</sup>	2.52 <sup>3</sup>	4.70 <sup>4</sup>	9.21
	16	-	-	0.24 <sup>2</sup>	1.36 <sup>3</sup>	4.08 <sup>3</sup>	-	-	1.03 <sup>2</sup>	2.65 <sup>3</sup>	6.32 <sup>3</sup>	-	-	1.48 <sup>3</sup>	3.64 <sup>3</sup>	8.03 <sup>4</sup>
	24	-	-	-	-	2.66 <sup>2</sup>	-	-	-	0.97 <sup>2</sup>	4.39 <sup>3</sup>	-	-	-	1.75 <sup>2</sup>	5.91 <sup>3</sup>
16	12	-	-	0.28 <sup>2</sup>	1.35 <sup>2</sup>	3.95 <sup>3</sup>	-	-	0.98 <sup>2</sup>	2.42 <sup>3</sup>	5.67 <sup>3</sup>	-	-	1.37 <sup>3</sup>	3.28 <sup>3</sup>	7.16 <sup>4</sup>
	16	-	-	-	0.44 <sup>2</sup>	3.02 <sup>2</sup>	-	-	-	1.41 <sup>2</sup>	4.50 <sup>3</sup>	-	-	0.28 <sup>2</sup>	2.15 <sup>2</sup>	5.88 <sup>3</sup>
	24	-	-	-	-	1.39 <sup>1</sup>	-	-	-	-	2.47 <sup>2</sup>	-	-	-	0.18 <sup>1</sup>	3.64 <sup>2</sup>

## 50 psf Lateral Load

Wall Height (ft)	Spacing (in) oc	800S137				800S162					800S200				
		33 ksi		50 ksi		33 ksi		50 ksi			33 ksi		50 ksi		
		43	54	68	97	43	54	68	97	118	43	54	68	97	118
8	12	1.72	3.00	4.20	6.70	2.52	4.67	6.51	10.53	13.67	3.49	6.78	9.41	15.14	19.64
	16	1.47	2.79	4.00	6.51	2.21	4.39	6.23	10.26	13.44	3.14	6.43	9.09	14.83	19.33
	24	0.96	2.37	3.60	6.13	1.61	3.84	5.69	9.73	12.97	2.43	5.73	8.45	14.22	18.73
9	12	1.51	2.82	4.03	6.54	2.26	4.44	6.27	10.30	13.47	3.20	6.48	9.13	14.87	19.37
	16	1.19	2.56	3.78	6.30	1.88	4.08	5.93	9.96	13.17	2.75	6.03	8.72	14.47	18.97
	24	0.56	2.04	3.27	5.82	1.12	3.38	5.24	9.28	12.57	1.86	5.15	7.90	13.69	18.20
10	12	1.28	2.63	3.84	6.36	1.98	4.17	6.01	10.03	13.23	2.86	6.13	8.81	14.55	19.05
	16	0.89	2.30	3.53	6.06	1.51	3.73	5.58	9.61	12.86	2.31	5.58	8.30	14.06	18.56
	24	0.12	1.66	2.90	5.46	0.59	2.88	4.74	8.77	12.11	1.24	4.50	7.29	13.07	17.58
12	12	0.75	2.17	3.40	5.92	1.34	3.55	5.38	9.39	12.66	2.10	5.32	8.04	13.78	18.26
	16	0.20	1.71	2.94	5.49	0.69	2.93	4.77	8.77	12.10	1.33	4.53	7.30	13.04	17.52
	24	-	0.82 <sup>4</sup>	2.07	4.63	-	1.74	3.58	7.56	11.01	-	3.03	5.87	11.61	16.08
14	12	0.16 <sup>4</sup>	1.64	2.87	5.39	0.62	2.81	4.63	8.60	11.92	1.22	4.30	7.05	12.79	17.23
	16	-	1.04 <sup>4</sup>	2.27	4.80	-	2.01 <sup>4</sup>	3.81	7.75	11.15	0.26 <sup>4</sup>	3.29	6.07	11.77	16.20
	24	-	-	1.12 <sup>3</sup>	3.66 <sup>4</sup>	-	0.50 <sup>3</sup>	2.27 <sup>3</sup>	6.13	9.67	-	1.41 <sup>3</sup>	4.22 <sup>4</sup>	9.85	14.23
16	12	-	1.06 <sup>3</sup>	2.27 <sup>4</sup>	4.77	-	2.01 <sup>4</sup>	3.78	7.65	11.02	0.32 <sup>3</sup>	3.15	5.77	11.30	15.75
	16	-	0.32 <sup>3</sup>	1.52 <sup>3</sup>	4.01 <sup>4</sup>	-	1.03 <sup>3</sup>	2.76 <sup>3</sup>	6.57	10.01	-	1.97 <sup>3</sup>	4.60 <sup>4</sup>	10.03	14.42
	24	-	-	0.12 <sup>2</sup>	2.58 <sup>3</sup>	-	-	0.90 <sup>3</sup>	4.56 <sup>3</sup>	8.12 <sup>4</sup>	-	-	2.45 <sup>3</sup>	7.70 <sup>4</sup>	11.95

If no note, deflection meets L/720

<sup>1</sup>Deflection meets L/120

<sup>2</sup>Deflection meets L/240

<sup>3</sup>Deflection meets L/360

<sup>4</sup>Deflection meets L/600

See Table Notes on page 37.

## SUPREME 5 psf Lateral Loads (Interior Walls)

Wall Height (ft)	Spacing (in) oc	362SFS162-(mil)		400SFS162-(mil)		600SFS162-(mil)		600SFS200-(mil)	800SFS162-(mil)	800SFS200-(mil)
		57 ksi		57 ksi		57 ksi		57 ksi	57 ksi	57 ksi
		33EQS	43EQS	33EQS	43EQS	33EQS	43EQS	43EQS	43EQS	43EQS
8	12	1.79	2.74	1.98	3.07	2.43	3.85	4.14	3.71	4.29
	16	1.73	2.68	1.92	3.01	2.39	3.81	4.09	3.68	4.26
	24	1.61	2.55	1.80	2.88	2.30	3.73	4.00	3.62	4.19
9	12	1.65	2.52	1.85	2.87	2.39	3.82	4.06	3.69	4.26
	16	1.57	2.44	1.77	2.79	2.34	3.76	4.00	3.65	4.22
	24	1.42	2.28	1.63	2.63	2.23	3.65	3.89	3.57	4.14
10	12	1.48	2.27	1.70	2.65	2.34	3.77	3.96	3.66	4.23
	16	1.39	2.17	1.61	2.55	2.28	3.70	3.89	3.61	4.18
	24	1.22	1.99	1.44	2.36	2.14	3.55	3.75	3.52	4.08
12	12	1.15	1.78	1.37	2.14	2.17	3.54	3.71	3.59	4.15
	16	1.04 <sup>5</sup>	1.67	1.26	2.02	2.07	3.43	3.61	3.52	4.08
	24	0.84 <sup>4</sup>	1.45 <sup>4</sup>	1.05 <sup>4</sup>	1.79	1.88	3.23	3.40	3.38	3.92
14	12	0.85 <sup>4</sup>	1.36	1.05 <sup>5</sup>	1.68	1.94	3.19	3.39	3.50	4.02
	16	0.73 <sup>4</sup>	1.24 <sup>4</sup>	0.93 <sup>4</sup>	1.54 <sup>5</sup>	1.81	3.05	3.25	3.40	3.91
	24	0.53 <sup>3</sup>	1.01 <sup>4</sup>	0.71 <sup>3</sup>	1.30 <sup>4</sup>	1.57	2.79	2.98	3.20	3.69
16	12	0.61 <sup>3</sup>	1.03 <sup>4</sup>	0.78 <sup>4</sup>	1.29 <sup>5</sup>	1.67	2.78	3.01	3.39	3.79
	16	0.50 <sup>3</sup>	0.90 <sup>4</sup>	0.65 <sup>3</sup>	1.15 <sup>4</sup>	1.52	2.61	2.83	3.25	3.65
	24	0.30 <sup>2</sup>	0.68 <sup>3</sup>	0.43 <sup>2</sup>	0.90 <sup>3</sup>	1.23 <sup>4</sup>	2.29	2.51	2.99	3.37

## SUPREME 15 psf Lateral Loads

Wall Height (ft)	Spacing (in) oc	362SFS162-(mil)		400SFS162-(mil)		600SFS162-(mil)		600SFS200-(mil)	800SFS162-(mil)	800SFS200-(mil)
		57 ksi		57 ksi		57 ksi		57 ksi	57 ksi	57 ksi
		33EQS	43EQS	33EQS	43EQS	33EQS	43EQS	43EQS	43EQS	43EQS
8	12	1.43	2.36	1.63	2.70	2.18	3.60	3.87	3.54	4.10
	16	1.27	2.18	1.47	2.52	2.05	3.47	3.74	3.45	4.00
	24	0.95 <sup>5</sup>	1.83	1.16	2.17	1.81	3.22	3.48	3.27	3.81
9	12	1.21	2.05	1.42	2.41	2.07	3.48	3.72	3.46	4.01
	16	1.02 <sup>5</sup>	1.84	1.23	2.19	1.91	3.32	3.55	3.35	3.89
	24	0.66 <sup>4</sup>	1.45 <sup>5</sup>	0.86 <sup>4</sup>	1.79	1.61	2.99	3.22	3.12	3.64
10	12	0.99 <sup>5</sup>	1.74	1.20	2.10	1.94	3.35	3.54	3.38	3.92
	16	0.78 <sup>4</sup>	1.50 <sup>5</sup>	0.98 <sup>5</sup>	1.86	1.75	3.14	3.33	3.24	3.77
	24	0.39 <sup>3</sup>	1.08 <sup>4</sup>	0.58 <sup>4</sup>	1.41 <sup>4</sup>	1.38	2.74	2.93	2.96	3.46
12	12	0.59 <sup>4</sup>	1.17 <sup>4</sup>	0.78 <sup>4</sup>	1.49 <sup>5</sup>	1.60	2.93	3.11	3.17	3.69
	16	0.36 <sup>3</sup>	0.92 <sup>4</sup>	0.53 <sup>4</sup>	1.21 <sup>4</sup>	1.34	2.65	2.82	2.97	3.47
	24	-	0.47 <sup>3</sup>	0.09 <sup>3</sup>	0.72 <sup>3</sup>	0.85 <sup>5</sup>	2.11	2.28	2.57	3.02
14	12	0.28 <sup>3</sup>	0.73 <sup>3</sup>	0.42 <sup>3</sup>	0.97 <sup>4</sup>	1.22	2.41	2.60	2.92	3.38
	16	0.05 <sup>2</sup>	0.48 <sup>3</sup>	0.17 <sup>2</sup>	0.69 <sup>3</sup>	0.90 <sup>5</sup>	2.06	2.24	2.64	3.07
	24	-	0.04 <sup>2</sup>	-	0.20 <sup>2</sup>	0.32 <sup>4</sup>	1.41 <sup>4</sup>	1.58 <sup>5</sup>	2.10	2.49
16	12	0.06 <sup>2</sup>	0.40 <sup>2</sup>	0.15 <sup>2</sup>	0.59 <sup>3</sup>	0.84 <sup>4</sup>	1.86	2.06	2.62	2.97
	16	-	0.16 <sup>2</sup>	-	0.31 <sup>2</sup>	0.49 <sup>4</sup>	1.47 <sup>4</sup>	1.65 <sup>5</sup>	2.26	2.59
	24	-	-	-	-	-	0.77 <sup>4</sup>	0.92 <sup>4</sup>	1.59 <sup>5</sup>	1.87

## SUPREME 20 psf Lateral Loads

Wall Height (ft)	Spacing (in) on center	362SFS162-(mil)		400SFS162-(mil)		600SFS162-(mil)		600SFS200-(mil)	800SFS162-(mil)	800SFS200-(mil)
		57 ksi		57 ksi		57 ksi		57 ksi	57 ksi	57 ksi
		33EQS	43EQS	33EQS	43EQS	33EQS	43EQS	43EQS	43EQS	43EQS
8	12	1.27	2.18	1.47	2.52	2.05	3.47	3.74	3.45	4.00
	16	1.06	1.95	1.26	2.29	1.89	3.30	3.57	3.33	3.87
	24	0.66 <sup>4</sup>	1.51 <sup>5</sup>	0.86 <sup>5</sup>	1.85	1.57	2.97	3.23	3.10	3.61
9	12	1.02 <sup>5</sup>	1.84	1.23	2.19	1.91	3.32	3.55	3.35	3.89
	16	0.78 <sup>4</sup>	1.58	0.98 <sup>5</sup>	1.92	1.71	3.10	3.33	3.20	3.73
	24	0.34 <sup>3</sup>	1.09 <sup>4</sup>	0.53 <sup>4</sup>	1.41 <sup>5</sup>	1.31	2.68	2.90	2.90	3.40
10	12	0.78 <sup>4</sup>	1.50 <sup>5</sup>	0.98 <sup>5</sup>	1.86	1.75	3.14	3.33	3.24	3.77
	16	0.52 <sup>4</sup>	1.22 <sup>4</sup>	0.71 <sup>4</sup>	1.55 <sup>5</sup>	1.50	2.87	3.06	3.05	3.56
	24	0.05 <sup>3</sup>	0.70 <sup>3</sup>	0.21 <sup>3</sup>	0.99 <sup>4</sup>	1.02	2.36	2.55	2.68	3.16
12	12	0.36 <sup>3</sup>	0.92 <sup>4</sup>	0.53 <sup>4</sup>	1.21 <sup>4</sup>	1.34	2.65	2.82	2.97	3.47
	16	0.09 <sup>2</sup>	0.61 <sup>3</sup>	0.23 <sup>3</sup>	0.87 <sup>4</sup>	1.01	2.28	2.45	2.70	3.17
	24	-	0.08 <sup>2</sup>	-	0.28 <sup>3</sup>	0.39 <sup>4</sup>	1.60 <sup>5</sup>	1.76	2.18	2.59
14	12	0.05 <sup>2</sup>	0.48 <sup>3</sup>	0.17 <sup>2</sup>	0.69 <sup>3</sup>	0.90 <sup>5</sup>	2.06	2.24	2.64	3.07
	16	-	0.18 <sup>2</sup>	-	0.36 <sup>3</sup>	0.51 <sup>4</sup>	1.62 <sup>5</sup>	1.79 <sup>5</sup>	2.28	2.68
	24	-	-	-	-	-	0.83 <sup>4</sup>	0.98 <sup>4</sup>	1.59	1.92
16	12	-	0.16 <sup>2</sup>	-	0.31 <sup>2</sup>	0.49 <sup>4</sup>	1.47 <sup>4</sup>	1.65 <sup>5</sup>	2.26	2.59
	16	-	-	-	-	0.06 <sup>3</sup>	0.99 <sup>4</sup>	1.15 <sup>4</sup>	1.81	2.10
	24	-	-	-	-	-	0.15 <sup>3</sup>	0.26 <sup>3</sup>	0.96 <sup>4</sup>	1.19 <sup>5</sup>

If no note, deflection is less than L/720.

<sup>1</sup>Deflection exceeds L/120

<sup>2</sup>Deflection exceeds L/240

<sup>3</sup>Deflection exceeds L/360

<sup>4</sup>Deflection exceeds L/600

<sup>5</sup>Deflection exceeds L/720

See Table Notes on page 37.



## SUPREME 25 psf Lateral Loads (Interior Walls)

Wall Height (ft)	Spacing (in) oc	362SFS162-(mil)		400SFS162-(mil)		600SFS162-(mil)		600SFS200-(mil)	800SFS162-(mil)	800SFS200-(mil)
		57 ksi		57 ksi		57 ksi		57 ksi	57 ksi	57 ksi
		33EQS	43EQS	33EQS	43EQS	33EQS	43EQS	43EQS	43EQS	43EQS
8	12	1.11	2.00	1.31	2.34	1.93	3.34	3.61	3.36	3.90
	16	0.85 <sup>5</sup>	1.73	1.06	2.06	1.73	3.13	3.40	3.21	3.74
	24	0.39 <sup>4</sup>	1.21 <sup>4</sup>	0.58 <sup>4</sup>	1.54 <sup>5</sup>	1.34	2.72	2.97	2.92	3.42
9	12	0.84 <sup>4</sup>	1.64	1.04 <sup>5</sup>	1.99	1.76	3.15	3.39	3.24	3.77
	16	0.55 <sup>4</sup>	1.33 <sup>4</sup>	0.75 <sup>4</sup>	1.66	1.51	2.89	3.12	3.05	3.56
	24	0.04 <sup>3</sup>	0.75 <sup>4</sup>	0.21 <sup>3</sup>	1.06 <sup>4</sup>	1.02	2.37	2.59	2.68	3.16
10	12	0.58 <sup>4</sup>	1.29 <sup>4</sup>	0.78 <sup>4</sup>	1.62 <sup>5</sup>	1.56	2.94	3.13	3.10	3.61
	16	0.28 <sup>3</sup>	0.95 <sup>4</sup>	0.45 <sup>4</sup>	1.26 <sup>4</sup>	1.26	2.61	2.80	2.87	3.36
	24	-	0.35 <sup>3</sup>	-	0.62 <sup>3</sup>	0.68 <sup>5</sup>	1.99	2.17	2.41	2.86
12	12	0.15 <sup>3</sup>	0.69 <sup>3</sup>	0.30 <sup>3</sup>	0.95 <sup>4</sup>	1.09	2.37	2.54	2.76	3.24
	16	-	0.34 <sup>3</sup>	-	0.57 <sup>3</sup>	0.69 <sup>4</sup>	1.93	2.10	2.44	2.88
	24	-	-	-	-	-	1.13 <sup>4</sup>	1.28 <sup>4</sup>	1.80	2.17
14	12	-	0.25 <sup>2</sup>	-	0.44 <sup>3</sup>	0.61 <sup>4</sup>	1.73 <sup>5</sup>	1.90	2.37	2.78
	16	-	-	-	0.05 <sup>2</sup>	0.15 <sup>4</sup>	1.21 <sup>4</sup>	1.37 <sup>4</sup>	1.93	2.29
	24	-	-	-	-	-	0.29 <sup>3</sup>	0.41 <sup>4</sup>	1.10 <sup>5</sup>	1.38
16	12	-	-	-	0.07 <sup>2</sup>	0.16 <sup>3</sup>	1.11 <sup>4</sup>	1.27 <sup>4</sup>	1.92	2.22
	16	-	-	-	-	-	0.56 <sup>3</sup>	0.69 <sup>4</sup>	1.37 <sup>5</sup>	1.64
	24	-	-	-	-	-	-	-	0.37 <sup>4</sup>	0.56 <sup>4</sup>

## SUPREME 30 psf

Wall Height (ft)	Spacing (in) oc	362SFS162-(mil)		400SFS162-(mil)		600SFS162-(mil)		600SFS200-(mil)	800SFS162-(mil)	800SFS200-(mil)
		57 ksi		57 ksi		57 ksi		57 ksi	57 ksi	57 ksi
		33EQS	43EQS	33EQS	43EQS	33EQS	43EQS	43EQS	43EQS	43EQS
8	12	0.95 <sup>5</sup>	1.83	1.16	2.17	1.81	3.22	3.48	3.27	3.81
	16	0.66 <sup>4</sup>	1.51 <sup>5</sup>	0.86 <sup>5</sup>	1.85	1.57	2.97	3.23	3.10	3.61
	24	0.13 <sup>3</sup>	0.92 <sup>4</sup>	0.31 <sup>4</sup>	1.24 <sup>4</sup>	1.11	2.48	2.72	2.75	3.23
9	12	0.66 <sup>4</sup>	1.45 <sup>5</sup>	0.86 <sup>4</sup>	1.79	1.61	2.99	3.22	3.12	3.64
	16	0.34 <sup>3</sup>	1.09 <sup>4</sup>	0.53 <sup>4</sup>	1.41 <sup>5</sup>	1.31	2.68	2.90	2.90	3.40
	24	-	0.44 <sup>3</sup>	-	0.73 <sup>4</sup>	0.74	2.07	2.28	2.46	2.92
10	12	0.39 <sup>3</sup>	1.08 <sup>4</sup>	0.58 <sup>4</sup>	1.41 <sup>4</sup>	1.38	2.74	2.93	2.96	3.46
	16	0.05 <sup>3</sup>	0.70 <sup>3</sup>	0.21 <sup>3</sup>	0.99 <sup>4</sup>	1.02	2.36	2.55	2.68	3.16
	24	-	0.03 <sup>2</sup>	-	0.26 <sup>3</sup>	0.34 <sup>4</sup>	1.63	1.80	2.15	2.56
12	12	-	0.47 <sup>3</sup>	0.09 <sup>3</sup>	0.72 <sup>3</sup>	0.85 <sup>5</sup>	2.11	2.28	2.57	3.02
	16	-	0.08 <sup>2</sup>	-	0.28 <sup>3</sup>	0.39 <sup>4</sup>	1.60 <sup>5</sup>	1.76	2.18	2.59
	24	-	-	-	-	-	0.67 <sup>4</sup>	0.82 <sup>4</sup>	1.42	1.76
14	12	-	0.04 <sup>2</sup>	-	0.20 <sup>2</sup>	0.32 <sup>4</sup>	1.41 <sup>4</sup>	1.58 <sup>5</sup>	2.10	2.49
	16	-	-	-	-	-	0.83 <sup>4</sup>	0.98 <sup>4</sup>	1.59	1.92
	24	-	-	-	-	-	-	0.62 <sup>4</sup>	0.86 <sup>5</sup>	1.17
16	12	-	-	-	-	-	0.77 <sup>4</sup>	0.92 <sup>4</sup>	1.59 <sup>5</sup>	1.87
	16	-	-	-	-	-	0.15 <sup>3</sup>	0.26 <sup>3</sup>	0.96 <sup>4</sup>	1.19 <sup>5</sup>
	24	-	-	-	-	-	-	-	-	-

## SUPREME 35 psf

Wall Height (ft)	Spacing (in) oc	362SFS162-(mil)		400SFS162-(mil)		600SFS162-(mil)		600SFS200-(mil)	800SFS162-(mil)	800SFS200-(mil)
		57 ksi		57 ksi		57 ksi		57 ksi	57 ksi	57 ksi
		33EQS	43EQS	33EQS	43EQS	33EQS	43EQS	43EQS	43EQS	43EQS
8	12	0.80 <sup>4</sup>	1.67	1.01	2.01	1.69	3.09	3.35	3.18	3.71
	16	0.48 <sup>4</sup>	1.31 <sup>4</sup>	0.67 <sup>4</sup>	1.64	1.42	2.80	3.06	2.98	3.49
	24	-	0.64 <sup>4</sup>	0.06 <sup>4</sup>	0.95 <sup>4</sup>	0.88	2.24	2.48	2.58	3.04
9	12	0.50 <sup>4</sup>	1.27 <sup>4</sup>	0.69 <sup>4</sup>	1.60 <sup>5</sup>	1.46	2.84	3.06	3.01	3.52
	16	0.14 <sup>3</sup>	0.86 <sup>4</sup>	0.32 <sup>4</sup>	1.18 <sup>4</sup>	1.11	2.48	2.69	2.76	3.24
	24	-	0.15 <sup>3</sup>	-	0.41 <sup>3</sup>	0.46 <sup>5</sup>	1.78	1.98	2.25	2.68
10	12	0.22 <sup>3</sup>	0.88 <sup>4</sup>	0.39 <sup>4</sup>	1.20 <sup>4</sup>	1.20	2.55	2.74	2.82	3.31
	16	-	0.46 <sup>3</sup>	-	0.74 <sup>4</sup>	0.79	2.11	2.29	2.50	2.96
	24	-	-	-	-	0.02 <sup>4</sup>	1.28 <sup>5</sup>	1.45	1.88	2.27
12	12	-	0.27 <sup>2</sup>	-	0.49 <sup>3</sup>	0.62 <sup>4</sup>	1.85	2.02	2.37	2.81
	16	-	-	-	0.02 <sup>2</sup>	0.11 <sup>4</sup>	1.28 <sup>4</sup>	1.44 <sup>5</sup>	1.92	2.31
	24	-	-	-	-	-	0.24 <sup>4</sup>	0.37 <sup>4</sup>	1.06 <sup>5</sup>	1.36
14	12	-	-	-	-	0.06 <sup>3</sup>	1.12 <sup>4</sup>	1.27 <sup>4</sup>	1.84	2.20
	16	-	-	-	-	-	0.47 <sup>4</sup>	0.60 <sup>4</sup>	1.26 <sup>5</sup>	1.56
	24	-	-	-	-	-	-	0.17 <sup>4</sup>	0.36 <sup>4</sup>	0.56 <sup>4</sup>
16	12	-	-	-	-	-	0.45 <sup>3</sup>	0.58 <sup>3</sup>	1.27 <sup>5</sup>	1.52 <sup>5</sup>
	16	-	-	-	-	-	-	0.56 <sup>4</sup>	0.76 <sup>4</sup>	0.96 <sup>4</sup>
	24	-	-	-	-	-	-	-	-	-

If no note, deflection is less than L/720.

<sup>1</sup>Deflection exceeds L/120

<sup>2</sup>Deflection exceeds L/240

<sup>3</sup>Deflection exceeds L/360

<sup>4</sup>Deflection exceeds L/600

<sup>5</sup>Deflection exceeds L/720

See Table Notes on page 37.



# Combined Axial and Lateral Loads

SUPREME 40 psf										
Wall Height (ft)	Spacing (in) oc	362SFS162-(mil)		400SFS162-(mil)		600SFS162-(mil)		600SFS200-(mil)	800SFS162-(mil)	800SFS200-(mil)
		57 ksi		57 ksi		57 ksi		57 ksi	57 ksi	57 ksi
		33EQS	43EQS	33EQS	43EQS	33EQS	43EQS	43EQS	43EQS	43EQS
8	12	0.66 <sup>4</sup>	1.51 <sup>5</sup>	0.86 <sup>5</sup>	1.85	1.57	2.97	3.23	3.10	3.61
	16	0.30 <sup>4</sup>	1.11 <sup>4</sup>	0.49 <sup>4</sup>	1.44 <sup>5</sup>	1.26	2.64	2.89	2.87	3.36
	24	-	0.38 <sup>3</sup>	-	0.68 <sup>4</sup>	0.66	2.01	2.23	2.41	2.85
9	12	0.34 <sup>3</sup>	1.09 <sup>4</sup>	0.53 <sup>4</sup>	1.41 <sup>5</sup>	1.31	2.68	2.90	2.90	3.40
	16	-	0.65 <sup>4</sup>	0.11 <sup>3</sup>	0.95 <sup>4</sup>	0.92	2.27	2.48	2.61	3.08
	24	-	-	-	0.11 <sup>3</sup>	0.19 <sup>4</sup>	1.49	1.68	2.03	2.44
10	12	0.05 <sup>3</sup>	0.70 <sup>3</sup>	0.21 <sup>3</sup>	0.99 <sup>4</sup>	1.02	2.36	2.55	2.68	3.16
	16	-	0.24 <sup>3</sup>	-	0.50 <sup>3</sup>	0.56 <sup>5</sup>	1.87	2.05	2.32	2.76
	24	-	-	-	-	-	0.94 <sup>4</sup>	1.10 <sup>5</sup>	1.62	1.98
12	12	-	0.08 <sup>2</sup>	-	0.28 <sup>3</sup>	0.39 <sup>4</sup>	1.60 <sup>5</sup>	1.76	2.18	2.59
	16	-	-	-	-	-	0.97 <sup>4</sup>	1.12 <sup>4</sup>	1.67	2.03
	24	-	-	-	-	-	-	0.70 <sup>5</sup>	0.96	0.96
14	12	-	-	-	-	-	0.83 <sup>4</sup>	0.98 <sup>4</sup>	1.59	1.92
	16	-	-	-	-	-	0.12 <sup>3</sup>	0.24 <sup>3</sup>	0.94 <sup>4</sup>	1.21 <sup>5</sup>
	24	-	-	-	-	-	-	-	-	-
16	12	-	-	-	-	-	0.15 <sup>3</sup>	0.26 <sup>3</sup>	0.96 <sup>4</sup>	1.19 <sup>5</sup>
	16	-	-	-	-	-	-	-	0.18 <sup>4</sup>	0.35 <sup>4</sup>
	24	-	-	-	-	-	-	-	-	-

SUPREME 50 psf										
Wall Height (ft)	Spacing (in) oc	362SFS162-(mil)		400SFS162-(mil)		600SFS162-(mil)		600SFS200-(mil)	800SFS162-(mil)	800SFS200-(mil)
		57 ksi		57 ksi		57 ksi		57 ksi	57 ksi	57 ksi
		33EQS	43EQS	33EQS	43EQS	33EQS	43EQS	43EQS	43EQS	43EQS
8	12	0.39 <sup>4</sup>	1.21 <sup>4</sup>	0.58 <sup>4</sup>	1.54 <sup>5</sup>	1.34	2.72	2.97	2.92	3.42
	16	-	0.74 <sup>4</sup>	0.14 <sup>4</sup>	1.05 <sup>4</sup>	0.96	2.32	2.56	2.64	3.10
	24	-	-	-	0.15 <sup>3</sup>	0.23 <sup>5</sup>	1.54	1.75	2.07	2.48
9	12	0.04 <sup>3</sup>	0.75 <sup>4</sup>	0.21 <sup>3</sup>	1.06 <sup>4</sup>	1.02	2.37	2.59	2.68	3.16
	16	-	0.24 <sup>3</sup>	-	0.52 <sup>4</sup>	0.55 <sup>5</sup>	1.88	2.08	2.32	2.76
	24	-	-	-	-	-	0.93 <sup>5</sup>	1.10 <sup>5</sup>	1.61	1.97
10	12	-	0.35 <sup>3</sup>	-	0.62 <sup>3</sup>	0.68 <sup>5</sup>	1.99	2.17	2.41	2.86
	16	-	-	-	0.04 <sup>3</sup>	0.13 <sup>4</sup>	1.40 <sup>5</sup>	1.57	1.97	2.37
	24	-	-	-	-	-	0.29 <sup>4</sup>	0.43 <sup>4</sup>	1.11	1.41
12	12	-	-	-	-	-	1.13 <sup>4</sup>	1.28 <sup>4</sup>	1.80	2.17
	16	-	-	-	-	-	0.38 <sup>4</sup>	0.52 <sup>4</sup>	1.18	1.49
	24	-	-	-	-	-	-	0.01 <sup>4</sup>	0.20 <sup>4</sup>	0.20 <sup>4</sup>
14	12	-	-	-	-	-	0.29 <sup>3</sup>	0.41 <sup>4</sup>	1.10 <sup>5</sup>	1.38
	16	-	-	-	-	-	-	-	0.32 <sup>4</sup>	0.52 <sup>4</sup>
	24	-	-	-	-	-	-	-	-	-
16	12	-	-	-	-	-	-	-	0.37 <sup>4</sup>	0.56 <sup>4</sup>
	16	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-

If no note, deflection is less than L/720.

<sup>1</sup>Deflection exceeds L/120

<sup>2</sup>Deflection exceeds L/240

<sup>3</sup>Deflection exceeds L/360

<sup>4</sup>Deflection exceeds L/600

<sup>5</sup>Deflection exceeds L/720

See Table Notes on page 37.

## Table Notes

- Spans are based on continuous support of compression flange over the full length of the joist.
- Spans are based on tension flange laterally braced at maximum spacing of 8'-0".
- 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 1/2" end bearing. Where listed allowable spans are followed by "e", web stiffeners are required at end supports.
- Interior support not checked for combined bending and web crippling. Web stiffeners are required at interior supports.
- Shear capacity at interior support has been reduced for the presence of punchouts adjacent to the supports. Combined bending and shear check is based on unreinforced web in accordance with AISI S100 Section C 3.3.1.
- Total load deflection is limited to L/240. Live load deflection limit is as noted.
- Alternate span live loading has been considered for two equal span conditions.
- See page 5 for additional table notes.

## Floor Joist Bridging and Bracing Requirements

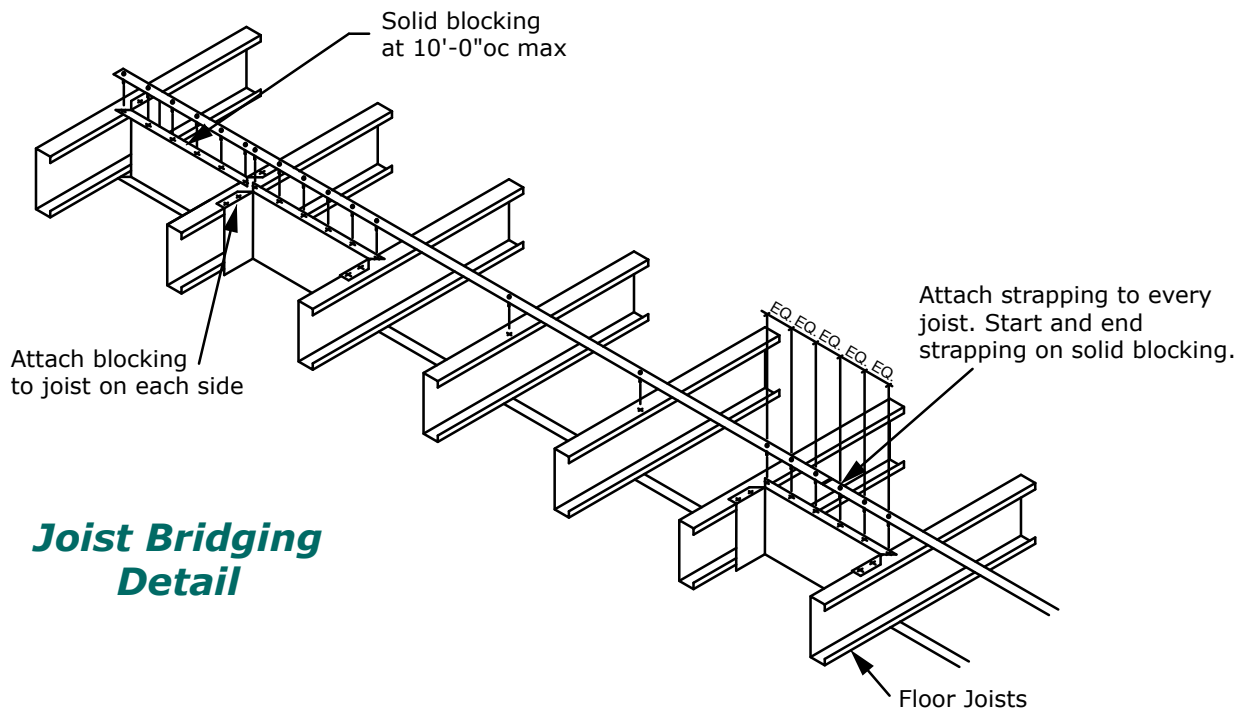
Bracing components shall be designed in accordance with AISI S100 Section D3. The minimum number of rows required is shown in the table. Additional rows of bridging may be required by design.

Span	Minimum Number of Rows
Up to 16'	1 row at mid-span
16' to 24'	2 rows at 1/3 points
24' to 32'	3 rows at 1/4 points

**General Note:**  
All connections should be designed by a licensed design professional.

### Blocking Note

Place solid blocking adjacent to all openings and two bays at ends of joist system



### Joist Bridging Detail



# Floor Joist Spans

## 10 psf Dead Load and 20 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	14' 6"	12' 7" <sup>e</sup>	10' 3" <sup>e</sup>	14' 6"	12' 7"	10' 1"	14' 4"	12' 7" <sup>e</sup>	10' 3" <sup>e</sup>	14' 6"	12' 7"	10' 1"
600S200-33	33	15' 6"	13' 5" <sup>e</sup>	10' 11" <sup>e</sup>	15' 6"	13' 3"	10' 5"	15' 0"	13' 5" <sup>e</sup>	10' 11" <sup>e</sup>	15' 6"	13' 3"	10' 5"
600S162-43	33	17' 2"	15' 6"	12' 8"	17' 11"	15' 6"	12' 8"	15' 7"	14' 2"	12' 5"	17' 6"	15' 6"	12' 8"
600S200-43	33	18' 0"	16' 0"	13' 1"	18' 6"	16' 0"	13' 1"	16' 5"	14' 11"	13' 0"	18' 5"	16' 0"	13' 1"
600S250-43	33	18' 11"	16' 5"	13' 5" <sup>e</sup>	19' 0"	16' 5"	13' 5"	17' 2"	15' 7"	13' 5" <sup>e</sup>	19' 0"	16' 5"	13' 5"
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' 3"	18' 5"	16' 1"	22' 9"	20' 8"	17' 10"	18' 5"	16' 9"	14' 8"	20' 8"	18' 10"	16' 5"
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	16' 9" <sup>e</sup>	14' 6" <sup>e</sup>	11' 10" <sup>e</sup>	15' 8" <sup>e</sup>	13' 0" <sup>e</sup>	9' 10" <sup>e</sup>	16' 9" <sup>e</sup>	14' 6" <sup>e</sup>	11' 10" <sup>e</sup>	15' 8" <sup>e</sup>	13' 0" <sup>e</sup>	9' 10" <sup>e</sup>
800S200-33	33	18' 0" <sup>e</sup>	15' 7" <sup>e</sup>	12' 8" <sup>e</sup>	16' 6" <sup>e</sup>	13' 8" <sup>e</sup>	10' 3" <sup>e</sup>	18' 0" <sup>e</sup>	15' 7" <sup>e</sup>	12' 8" <sup>e</sup>	16' 6" <sup>e</sup>	13' 8" <sup>e</sup>	10' 3" <sup>e</sup>
800S162-43	33	20' 2"	17' 6"	14' 3" <sup>e</sup>	20' 2"	17' 6"	13' 11"	19' 6"	17' 6"	14' 3" <sup>e</sup>	20' 2"	17' 6"	13' 11"
800S200-43	33	21' 7"	18' 8"	15' 3" <sup>e</sup>	21' 7"	18' 8"	15' 3"	20' 7"	18' 8"	15' 3" <sup>e</sup>	21' 7"	18' 8"	15' 3"
800S250-43	33	22' 2"	19' 2" <sup>e</sup>	15' 8" <sup>e</sup>	22' 2"	19' 2"	15' 6"	21' 5"	19' 2" <sup>e</sup>	15' 8" <sup>e</sup>	22' 2"	19' 2"	15' 6"
800S162-54	50	23' 3"	21' 1"	18' 4"	26' 0"	23' 5"	19' 1"	21' 1"	19' 2"	16' 9"	23' 8"	21' 6"	18' 9"
800S200-54	50	24' 4"	22' 1"	19' 4"	27' 4"	24' 10"	20' 5"	22' 1"	20' 1"	17' 6"	24' 10"	22' 6"	19' 8"
800S250-54	50	25' 4"	23' 1"	20' 2"	28' 6"	25' 6"	20' 10"	23' 1"	20' 11"	18' 3"	25' 10"	23' 6"	20' 6"
800S162-68	50	24' 11"	22' 8"	19' 9"	28' 0"	25' 5"	22' 3"	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' 8"	30' 7"	27' 10"	24' 3"	24' 9"	22' 6"	19' 8"	27' 10"	25' 3"	22' 1"
800S162-97	50	27' 8"	25' 2"	22' 0"	31' 1"	28' 3"	24' 8"	25' 2"	22' 10"	20' 0"	28' 3"	25' 8"	22' 5"
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	22' 4" <sup>e</sup>	19' 4" <sup>e</sup>	15' 10" <sup>e</sup>	22' 3" <sup>e</sup>	18' 10" <sup>e</sup>	14' 8" <sup>e</sup>	22' 4" <sup>e</sup>	19' 4" <sup>e</sup>	15' 10" <sup>e</sup>	22' 3" <sup>e</sup>	18' 10" <sup>e</sup>	14' 8" <sup>e</sup>
1000S200-43	33	24' 1" <sup>e</sup>	20' 11" <sup>e</sup>	17' 1" <sup>e</sup>	23' 5" <sup>e</sup>	19' 9" <sup>e</sup>	15' 4" <sup>e</sup>	24' 1" <sup>e</sup>	20' 11" <sup>e</sup>	17' 1" <sup>e</sup>	23' 5" <sup>e</sup>	19' 9" <sup>e</sup>	15' 4" <sup>e</sup>
1000S250-43	33	24' 10" <sup>e</sup>	21' 6" <sup>e</sup>	17' 6" <sup>e</sup>	24' 5" <sup>e</sup>	20' 6" <sup>e</sup>	15' 10" <sup>e</sup>	24' 10" <sup>e</sup>	21' 6" <sup>e</sup>	17' 6" <sup>e</sup>	24' 5" <sup>e</sup>	20' 6" <sup>e</sup>	15' 10" <sup>e</sup>
1000S162-54	50	27' 7"	25' 0"	21' 2"	29' 11"	25' 11"	21' 2"	25' 2"	22' 10"	19' 11"	28' 2"	25' 6"	21' 2"
1000S200-54	50	28' 10"	26' 2"	22' 9"	32' 2"	27' 10"	22' 2"	26' 4"	23' 10"	20' 9"	29' 5"	26' 8"	22' 2"
1000S250-54	50	30' 3"	27' 6"	23' 4"	33' 1"	28' 8"	23' 1"	27' 6"	25' 0"	21' 10"	30' 10"	28' 1"	23' 1"
1000S162-68	50	30' 0"	27' 2"	23' 8"	33' 6"	30' 5"	25' 0"	27' 3"	24' 9"	21' 7"	30' 7"	27' 9"	24' 2"
1000S200-68	50	31' 3"	28' 5"	24' 9"	35' 0"	31' 9"	26' 9"	28' 5"	25' 10"	22' 7"	31' 11"	28' 11"	25' 3"
1000S250-68	50	32' 6"	29' 7"	25' 10"	36' 6"	33' 2"	27' 6"	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"	33' 7"	30' 6"	26' 8"	37' 8"	34' 3"	29' 11"
1000S250-118	50	38' 6"	35' 0"	30' 7"	43' 2"	39' 3"	34' 4"	35' 0"	31' 9"	27' 9"	39' 3"	35' 8"	31' 2"

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.

## 10 psf Dead Load and 20 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S162-54	50	31' 9"	27' 11"	22' 10"	32' 3"	27' 11"	22' 5"	29' 0"	26' 3"	22' 10"	32' 3"	27' 11"	22' 5"
1200S200-54	50	33' 2"	30' 0"	24' 8"	34' 10"	29' 7"	23' 2"	30' 3"	27' 5"	23' 10"	33' 9"	29' 7"	23' 2"
1200S250-54	50	34' 6"	31' 2"	25' 6"	35' 5"	30' 0"	23' 5"	31' 5"	28' 6"	24' 10"	35' 1"	30' 0"	23' 5"
1200S162-68	50	34' 8"	31' 5"	27' 1"	38' 4"	33' 2"	27' 1"	31' 7"	28' 8"	24' 11"	35' 3"	32' 0"	27' 1"
1200S200-68	50	36' 1"	32' 9"	28' 6"	40' 4"	35' 9"	29' 2"	32' 11"	29' 10"	26' 0"	36' 9"	33' 4"	29' 0"
1200S250-68	50	37' 6"	34' 0"	29' 7"	41' 11"	36' 11"	30' 1"	34' 2"	31' 0"	27' 0"	38' 2"	34' 8"	30' 1"
1200S162-97	50	38' 11"	35' 4"	30' 11"	43' 8"	39' 8"	34' 8"	35' 4"	32' 1"	28' 1"	39' 8"	36' 1"	31' 6"
1200S200-97	50	40' 6"	36' 10"	32' 2"	45' 6"	41' 4"	36' 1"	36' 10"	33' 5"	29' 3"	41' 4"	37' 7"	32' 10"
1200S250-97	50	42' 1"	38' 2"	33' 4"	47' 2"	42' 11"	37' 6"	38' 2"	34' 8"	30' 4"	42' 11"	39' 0"	34' 1"
1200S162-118	50	41' 3"	37' 6"	32' 9"	46' 4"	42' 1"	36' 9"	37' 6"	34' 1"	29' 9"	42' 1"	38' 3"	33' 5"
1200S200-118	50	43' 0"	39' 1"	34' 1"	48' 3"	43' 10"	38' 4"	39' 1"	35' 6"	31' 0"	43' 10"	39' 10"	34' 10"
1200S250-118	50	44' 8"	40' 7"	35' 5"	50' 2"	45' 7"	39' 9"	40' 7"	36' 10"	32' 2"	45' 7"	41' 5"	36' 2"
1200S300-118	50	46' 2"	42' 0"	36' 8"	51' 10"	47' 1"	41' 2"	42' 0"	38' 2"	33' 4"	47' 1"	42' 10"	37' 5"
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"
1400S162-54	50	34' 0"	29' 6"	24' 1"	34' 0"	29' 6"	22' 9"	32' 7"	29' 6"	24' 1"	34' 0"	29' 6"	22' 9"
1400S200-54	50	37' 0"	32' 1"	26' 2"	36' 4"	30' 6"	23' 4"	34' 0"	30' 10"	26' 2"	36' 4"	30' 6"	23' 4"
1400S250-54	50	38' 6"	33' 4"	27' 2"	36' 11"	30' 10"	23' 7"	35' 4"	32' 0"	27' 2"	36' 11"	30' 10"	23' 7"
1400S300-54	50	39' 5"	34' 1"	27' 10"	37' 2"	31' 1"	23' 9"	36' 5"	32' 11"	27' 10"	37' 2"	31' 1"	23' 9"
1400S350-54	50	42' 8"	38' 4"	31' 4"	40' 7"	33' 8"	25' 3"	38' 10"	35' 3"	30' 8"	40' 7"	33' 8"	25' 3"
1400S162-68	50	39' 1"	35' 3"	28' 9"	40' 8"	35' 3"	28' 9"	35' 8"	32' 4"	28' 2"	39' 9"	35' 3"	28' 9"
1400S200-68	50	40' 8"	36' 10"	31' 1"	44' 0"	38' 1"	31' 1"	37' 1"	33' 8"	29' 3"	41' 5"	37' 6"	31' 1"
1400S250-68	50	42' 2"	38' 3"	32' 3"	45' 8"	39' 6"	31' 11"	38' 6"	34' 11"	30' 5"	43' 0"	38' 11"	31' 11"
1400S300-68	50	43' 7"	39' 5"	33' 0"	46' 9"	40' 6"	32' 4"	39' 9"	36' 0"	31' 5"	44' 5"	40' 1"	32' 4"
1400S350-68	50	46' 1"	41' 10"	36' 7"	51' 9"	45' 2"	35' 11"	41' 10"	38' 0"	33' 3"	47' 0"	42' 8"	35' 11"
1400S162-97	50	44' 5"	40' 4"	35' 2"	49' 9"	45' 1"	37' 8"	40' 4"	36' 8"	32' 0"	45' 4"	41' 2"	35' 10"
1400S200-97	50	46' 1"	41' 11"	36' 6"	51' 8"	46' 10"	40' 5"	41' 11"	38' 1"	33' 3"	47' 0"	42' 9"	37' 3"
1400S250-97	50	47' 9"	43' 4"	37' 10"	53' 6"	48' 7"	41' 11"	43' 4"	39' 5"	34' 5"	48' 8"	44' 3"	38' 7"
1400S300-97	50	49' 3"	44' 9"	39' 1"	55' 3"	50' 2"	42' 11"	44' 9"	40' 8"	35' 6"	50' 3"	45' 8"	39' 10"
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"
1400S162-118	50	47' 2"	42' 10"	37' 5"	52' 11"	48' 1"	42' 0"	42' 10"	38' 11"	34' 0"	48' 1"	43' 8"	38' 2"
1400S200-118	50	48' 11"	44' 6"	38' 10"	55' 0"	49' 11"	43' 8"	44' 6"	40' 5"	35' 4"	49' 11"	45' 4"	39' 8"
1400S250-118	50	50' 9"	46' 1"	40' 3"	56' 11"	51' 9"	45' 2"	46' 1"	41' 10"	36' 7"	51' 9"	47' 0"	41' 1"
1400S300-118	50	52' 4"	47' 7"	41' 7"	58' 9"	53' 5"	46' 8"	47' 7"	43' 3"	37' 9"	53' 5"	48' 6"	42' 5"
1400S350-118	50	54' 9"	49' 9"	43' 6"	61' 6"	55' 10"	48' 10"	49' 9"	45' 3"	39' 6"	55' 10"	50' 9"	44' 4"
1600S162-68	50	42' 8"	36' 11"	30' 2"	42' 8"	36' 11"	30' 2"	39' 7"	35' 10"	30' 2"	42' 8"	36' 11"	30' 2"
1600S200-68	50	45' 0"	40' 1"	32' 8"	46' 3"	40' 1"	32' 8"	41' 2"	37' 3"	32' 5"	45' 10"	40' 1"	32' 8"
1600S250-68	50	46' 8"	41' 9"	34' 1"	48' 3"	41' 9"	33' 0"	42' 7"	38' 7"	33' 7"	47' 6"	41' 9"	33' 0"
1600S300-68	50	48' 2"	42' 11"	35' 1"	49' 7"	42' 5"	33' 4"	44' 0"	39' 10"	34' 8"	49' 0"	42' 5"	33' 4"
1600S350-68	50	50' 5"	45' 9"	39' 4"	54' 8"	46' 3"	36' 1"	46' 0"	41' 9"	36' 4"	51' 5"	46' 3"	36' 1"
1600S162-97	50	49' 8"	45' 0"	39' 2"	55' 5"	48' 9"	39' 10"	45' 4"	41' 1"	35' 9"	50' 7"	45' 10"	39' 10"
1600S200-97	50	51' 6"	46' 8"	40' 7"	57' 6"	52' 1"	42' 10"	46' 11"	42' 7"	37' 1"	52' 5"	47' 7"	41' 5"
1600S250-97	50	53' 3"	48' 3"	42' 0"	59' 6"	53' 11"	44' 7"	48' 6"	44' 0"	38' 4"	54' 3"	49' 2"	42' 10"
1600S300-97	50	54' 10"	49' 9"	43' 4"	61' 4"	55' 7"	45' 9"	49' 11"	45' 4"	39' 6"	55' 11"	50' 9"	44' 2"
1600S350-97	50	57' 3"	52' 0"	45' 4"	64' 1"	58' 2"	50' 7"	52' 1"	47' 4"	41' 3"	58' 5"	53' 0"	46' 2"
1600S162-118	50	53' 0"	48' 2"	42' 1"	59' 6"	54' 0"	46' 5"	48' 2"	43' 9"	38' 2"	54' 0"	49' 1"	42' 11"
1600S200-118	50	54' 10"	49' 10"	43' 7"	61' 7"	56' 0"	48' 9"	49' 10"	45' 4"	39' 7"	56' 0"	50' 10"	44' 5"
1600S250-118	50	56' 8"	51' 6"	45' 0"	63' 8"	57' 10"	50' 5"	51' 6"	46' 10"	40' 11"	57' 10"	52' 7"	45' 11"
1600S300-118	50	58' 5"	53' 1"	46' 4"	65' 7"	59' 7"	52' 0"	53' 1"	48' 3"	42' 2"	59' 7"	54' 2"	47' 4"
1600S350-118	50	61' 0"	55' 5"	48' 5"	68' 6"	62' 3"	54' 4"	55' 5"	50' 4"	44' 0"	62' 3"	56' 6"	49' 5"

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.



# Floor Joist Spans

## 10 psf Dead Load and 30 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	12' 7"	10' 11"	8' 11"	12' 7"	10' 10"	8' 5"	12' 6"	10' 11"	8' 11"	12' 7"	10' 10"	8' 5"
600S200-33	33	13' 5"	11' 7"	9' 6"	13' 3"	11' 2"	8' 8"	13' 2"	11' 7"	9' 6"	13' 3"	11' 2"	8' 8"
600S162-43	33	15' 0"	13' 5"	11' 0"	15' 6"	13' 5"	11' 0"	13' 8"	12' 5"	10' 10"	15' 4"	13' 5"	11' 0"
600S200-43	33	15' 9"	13' 10"	11' 4"	16' 0"	13' 10"	11' 4"	14' 4"	13' 0"	11' 4"	16' 0"	13' 10"	11' 4"
600S250-43	33	16' 5"	14' 3"	11' 7"	16' 5"	14' 3"	11' 7"	15' 0"	13' 7"	11' 7"	16' 5"	14' 3"	11' 7"
600S162-54	50	16' 1"	14' 7"	12' 9"	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' 9"	16' 1"	14' 1"	19' 11"	18' 1"	15' 6"	16' 1"	14' 8"	12' 9"	18' 1"	16' 5"	14' 4"
600S162-68	50	17' 3"	15' 8"	13' 8"	19' 4"	17' 7"	15' 4"	15' 8"	14' 3"	12' 5"	17' 7"	16' 0"	14' 0"
600S200-68	50	18' 2"	16' 5"	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"	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"	25' 2"	22' 10"	20' 0"	20' 4"	18' 6"	16' 2"	22' 10"	20' 9"	18' 2"
800S162-33	33	14' 6"	12' 7"	10' 3"	13' 0"	10' 9"	8' 0"	14' 6"	12' 7"	10' 3"	13' 0"	10' 9"	8' 0"
800S200-33	33	15' 7"	13' 6"	11' 0"	13' 8"	11' 2"	8' 2"	15' 7"	13' 6"	11' 0"	13' 8"	11' 2"	8' 2"
800S162-43	33	17' 6"	15' 2"	12' 4"	17' 6"	14' 11"	11' 9"	17' 1"	15' 2"	12' 4"	17' 6"	14' 11"	11' 9"
800S200-43	33	18' 8"	16' 2"	13' 3"	18' 8"	16' 2"	12' 11"	18' 0"	16' 2"	13' 3"	18' 8"	16' 2"	12' 11"
800S250-43	33	19' 2"	16' 7"	13' 7"	19' 2"	16' 7"	13' 0"	18' 9"	16' 7"	13' 7"	19' 2"	16' 7"	13' 0"
800S162-54	50	20' 3"	18' 5"	16' 0"	22' 8"	20' 3"	16' 6"	18' 5"	16' 9"	14' 7"	20' 8"	18' 9"	16' 4"
800S200-54	50	21' 3"	19' 4"	16' 10"	23' 10"	21' 7"	17' 8"	19' 4"	17' 6"	15' 4"	21' 8"	19' 8"	17' 2"
800S250-54	50	22' 2"	20' 2"	17' 7"	24' 11"	22' 1"	18' 1"	20' 2"	18' 3"	16' 0"	22' 7"	20' 6"	17' 11"
800S162-68	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"
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' 10"	21' 8"	18' 11"	26' 9"	24' 3"	21' 2"	21' 8"	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' 1"	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"	31' 7"	28' 8"	25' 1"	25' 6"	23' 2"	20' 3"	28' 8"	26' 1"	22' 9"
1000S162-43	33	19' 4"	16' 9"	13' 8"	18' 10"	15' 10"	12' 2"	19' 4"	16' 9"	13' 8"	18' 10"	15' 10"	12' 2"
1000S200-43	33	20' 11"	18' 1"	14' 9"	19' 9"	16' 6"	12' 7"	20' 11"	18' 1"	14' 9"	19' 9"	16' 6"	12' 7"
1000S250-43	33	21' 6"	18' 7"	15' 2"	20' 6"	17' 1"	13' 0"	21' 6"	18' 7"	15' 2"	20' 6"	17' 1"	13' 0"
1000S162-54	50	24' 1"	21' 10"	18' 4"	25' 11"	22' 6"	18' 2"	22' 0"	19' 11"	17' 4"	24' 7"	22' 3"	18' 2"
1000S200-54	50	25' 2"	22' 10"	19' 9"	27' 10"	23' 8"	18' 9"	23' 0"	20' 10"	18' 2"	25' 8"	23' 3"	18' 9"
1000S250-54	50	26' 5"	24' 0"	20' 3"	28' 8"	24' 9"	19' 6"	24' 0"	21' 10"	19' 1"	27' 0"	24' 6"	19' 6"
1000S162-68	50	26' 2"	23' 9"	20' 8"	29' 3"	26' 6"	21' 8"	23' 9"	21' 7"	18' 10"	26' 8"	24' 2"	21' 1"
1000S200-68	50	27' 4"	24' 10"	21' 7"	30' 7"	27' 9"	23' 2"	24' 10"	22' 7"	19' 8"	27' 10"	25' 3"	22' 0"
1000S250-68	50	28' 5"	25' 10"	22' 7"	31' 11"	29' 0"	23' 10"	25' 10"	23' 5"	20' 6"	29' 0"	26' 4"	23' 0"
1000S162-97	50	29' 2"	26' 6"	23' 1"	32' 8"	29' 9"	26' 0"	26' 6"	24' 1"	21' 0"	29' 9"	27' 0"	23' 7"
1000S200-97	50	30' 5"	27' 8"	24' 2"	34' 2"	31' 0"	27' 1"	27' 8"	25' 1"	21' 11"	31' 0"	28' 2"	24' 8"
1000S250-97	50	31' 8"	28' 9"	25' 2"	35' 7"	32' 4"	28' 3"	28' 9"	26' 2"	22' 10"	32' 4"	29' 4"	25' 8"
1000S162-118	50	30' 10"	28' 0"	24' 6"	34' 8"	31' 6"	27' 6"	28' 0"	25' 6"	22' 3"	31' 6"	28' 7"	25' 0"
1000S200-118	50	32' 3"	29' 4"	25' 7"	36' 3"	32' 11"	28' 9"	29' 4"	26' 8"	23' 3"	32' 11"	29' 11"	26' 1"
1000S250-118	50	33' 7"	30' 7"	26' 8"	37' 9"	34' 4"	29' 11"	30' 7"	27' 9"	24' 3"	34' 4"	31' 2"	27' 3"

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.

## 10 psf Dead Load and 30 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S162-54	50	27' 9"	24' 2"	19' 9"	27' 11"	24' 1"	18' 9"	25' 4"	22' 11"	19' 9"	27' 11"	24' 1"	18' 9"
1200S200-54	50	28' 11"	26' 2"	21' 4"	29' 7"	24' 11"	19' 3"	26' 5"	23' 11"	20' 10"	29' 6"	24' 11"	19' 3"
1200S250-54	50	30' 1"	27' 0"	22' 1"	30' 0"	25' 3"	19' 6"	27' 5"	24' 11"	21' 8"	30' 0"	25' 3"	19' 6"
1200S162-68	50	30' 3"	27' 5"	23' 6"	33' 2"	28' 9"	23' 6"	27' 7"	25' 0"	21' 9"	30' 10"	27' 11"	23' 6"
1200S200-68	50	31' 6"	28' 7"	24' 11"	35' 2"	30' 11"	25' 3"	28' 9"	26' 1"	22' 8"	32' 1"	29' 1"	25' 3"
1200S250-68	50	32' 9"	29' 8"	25' 10"	36' 7"	31' 11"	25' 9"	29' 10"	27' 1"	23' 7"	33' 4"	30' 3"	25' 9"
1200S162-97	50	34' 0"	30' 11"	27' 0"	38' 2"	34' 8"	30' 3"	30' 11"	28' 1"	24' 6"	34' 8"	31' 6"	27' 6"
1200S200-97	50	35' 5"	32' 2"	28' 1"	39' 9"	36' 1"	31' 6"	32' 2"	29' 3"	25' 6"	36' 1"	32' 10"	28' 8"
1200S250-97	50	36' 9"	33' 4"	29' 2"	41' 3"	37' 6"	32' 9"	33' 4"	30' 4"	26' 6"	37' 6"	34' 1"	29' 9"
1200S162-118	50	36' 1"	32' 9"	28' 7"	40' 6"	36' 9"	32' 1"	32' 9"	29' 9"	26' 0"	36' 9"	33' 5"	29' 2"
1200S200-118	50	37' 7"	34' 1"	29' 10"	42' 2"	38' 4"	33' 6"	34' 1"	31' 0"	27' 1"	38' 4"	34' 10"	30' 5"
1200S250-118	50	39' 0"	35' 5"	30' 11"	43' 9"	39' 9"	34' 9"	35' 5"	32' 2"	28' 2"	39' 9"	36' 2"	31' 7"
1200S300-118	50	40' 4"	36' 8"	32' 0"	45' 4"	41' 2"	36' 0"	36' 8"	33' 4"	29' 1"	41' 2"	37' 5"	32' 8"
1200S350-118	50	42' 4"	38' 5"	33' 7"	47' 6"	43' 2"	37' 8"	38' 5"	34' 11"	30' 6"	43' 2"	39' 3"	34' 3"
1400S162-54	50	29' 6"	25' 6"	20' 10"	29' 6"	24' 7"	18' 7"	28' 6"	25' 6"	20' 10"	29' 6"	24' 7"	18' 7"
1400S200-54	50	32' 1"	27' 9"	22' 8"	30' 6"	25' 3"	19' 0"	29' 8"	26' 11"	22' 8"	30' 6"	25' 3"	19' 0"
1400S250-54	50	33' 4"	28' 10"	23' 7"	30' 10"	25' 7"	19' 2"	30' 10"	27' 11"	23' 7"	30' 10"	25' 7"	19' 2"
1400S300-54	50	34' 1"	29' 7"	24' 1"	31' 1"	25' 9"	19' 3"	31' 10"	28' 9"	24' 1"	31' 1"	25' 9"	19' 3"
1400S350-54	50	37' 2"	33' 3"	27' 1"	33' 8"	27' 7"	20' 3"	33' 11"	30' 10"	26' 9"	33' 8"	27' 7"	20' 3"
1400S162-68	50	34' 1"	30' 6"	24' 11"	35' 3"	30' 6"	24' 11"	31' 2"	28' 3"	24' 7"	34' 9"	30' 6"	24' 11"
1400S200-68	50	35' 6"	32' 2"	26' 11"	38' 1"	33' 0"	26' 10"	32' 5"	29' 4"	25' 7"	36' 2"	32' 9"	26' 10"
1400S250-68	50	36' 10"	33' 4"	27' 11"	39' 6"	34' 2"	27' 0"	33' 7"	30' 6"	26' 6"	37' 6"	34' 0"	27' 0"
1400S300-68	50	38' 1"	34' 5"	28' 7"	40' 6"	34' 7"	27' 3"	34' 8"	31' 6"	27' 5"	38' 9"	34' 7"	27' 3"
1400S350-68	50	40' 3"	36' 7"	31' 11"	45' 2"	38' 6"	30' 1"	36' 7"	33' 3"	29' 0"	41' 1"	37' 3"	30' 1"
1400S162-97	50	38' 10"	35' 3"	30' 8"	43' 5"	39' 4"	32' 8"	35' 3"	32' 0"	28' 0"	39' 7"	35' 11"	31' 3"
1400S200-97	50	40' 3"	36' 7"	31' 11"	45' 2"	40' 11"	35' 0"	37' 5"	33' 3"	29' 1"	41' 1"	37' 4"	32' 6"
1400S250-97	50	41' 8"	37' 11"	33' 1"	46' 9"	42' 5"	36' 3"	37' 11"	34' 5"	30' 1"	42' 6"	38' 8"	33' 8"
1400S300-97	50	43' 0"	39' 1"	34' 2"	48' 3"	43' 10"	37' 2"	39' 1"	35' 6"	31' 0"	43' 11"	39' 11"	34' 9"
1400S350-97	50	45' 0"	40' 11"	35' 8"	50' 6"	45' 11"	40' 1"	40' 11"	37' 2"	32' 5"	45' 11"	41' 8"	36' 5"
1400S162-118	50	41' 2"	37' 5"	32' 8"	46' 3"	42' 0"	36' 8"	37' 5"	34' 0"	29' 8"	42' 0"	38' 2"	33' 4"
1400S200-118	50	42' 9"	38' 10"	33' 11"	48' 0"	43' 8"	38' 1"	38' 10"	35' 4"	30' 10"	43' 8"	39' 8"	34' 8"
1400S250-118	50	44' 4"	40' 3"	35' 2"	49' 9"	45' 2"	39' 6"	40' 3"	36' 7"	31' 11"	45' 2"	41' 1"	35' 10"
1400S300-118	50	45' 9"	41' 7"	36' 4"	51' 4"	46' 8"	40' 9"	41' 7"	37' 9"	33' 0"	46' 8"	42' 5"	37' 0"
1400S350-118	50	47' 10"	43' 6"	38' 0"	53' 9"	48' 10"	42' 8"	43' 6"	39' 6"	34' 6"	48' 10"	44' 4"	38' 9"
1600S162-68	50	36' 11"	32' 0"	26' 1"	36' 11"	32' 0"	26' 1"	34' 7"	31' 4"	26' 1"	36' 11"	32' 0"	26' 1"
1600S200-68	50	39' 4"	34' 8"	28' 4"	40' 1"	34' 8"	27' 5"	35' 11"	32' 7"	28' 4"	40' 0"	34' 8"	27' 5"
1600S250-68	50	40' 9"	36' 2"	29' 6"	41' 9"	35' 5"	27' 7"	37' 2"	33' 9"	29' 4"	41' 6"	35' 5"	27' 7"
1600S300-68	50	42' 0"	37' 2"	30' 4"	42' 5"	35' 10"	27' 10"	38' 5"	34' 10"	30' 3"	42' 5"	35' 10"	27' 10"
1600S350-68	50	44' 0"	39' 11"	34' 0"	46' 3"	38' 10"	29' 10"	40' 2"	36' 5"	31' 9"	44' 11"	38' 10"	29' 10"
1600S162-97	50	43' 4"	39' 3"	34' 2"	48' 4"	42' 3"	34' 6"	39' 7"	35' 11"	31' 3"	44' 2"	40' 0"	34' 6"
1600S200-97	50	44' 11"	40' 9"	35' 6"	50' 2"	45' 5"	37' 1"	41' 0"	37' 2"	32' 5"	45' 10"	41' 6"	36' 2"
1600S250-97	50	46' 6"	42' 2"	36' 8"	51' 11"	47' 1"	38' 7"	42' 4"	38' 5"	33' 6"	47' 4"	42' 11"	37' 5"
1600S300-97	50	47' 11"	43' 5"	37' 10"	53' 7"	48' 6"	39' 7"	43' 7"	39' 7"	34' 6"	48' 10"	44' 3"	38' 7"
1600S350-97	50	50' 0"	45' 5"	39' 7"	56' 0"	50' 9"	43' 10"	45' 6"	41' 4"	36' 1"	51' 0"	46' 3"	40' 4"
1600S162-118	50	46' 3"	42' 1"	36' 9"	51' 11"	47' 2"	40' 2"	42' 1"	38' 2"	33' 4"	47' 2"	42' 11"	37' 6"
1600S200-118	50	47' 11"	43' 7"	38' 1"	53' 10"	48' 10"	42' 7"	43' 7"	39' 7"	34' 7"	48' 11"	44' 5"	38' 10"
1600S250-118	50	49' 6"	45' 0"	39' 4"	55' 7"	50' 6"	44' 0"	45' 0"	40' 11"	35' 9"	50' 6"	45' 11"	40' 1"
1600S300-118	50	51' 0"	46' 4"	40' 6"	57' 4"	52' 1"	45' 5"	46' 4"	42' 2"	36' 10"	52' 1"	47' 4"	41' 4"
1600S350-118	50	53' 4"	48' 5"	42' 4"	59' 10"	54' 4"	47' 5"	48' 5"	44' 0"	38' 5"	54' 4"	49' 5"	43' 2"

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.



# Floor Joist Spans

## 10 psf Dead Load and 40 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	11' 3"	9' 9"	7' 11"	11' 3"	9' 6"	7' 4"	11' 3"	9' 9"	7' 11"	11' 3"	9' 6"	7' 4"
600S200-33	33	12' 0"	10' 4"	8' 6"	11' 7"	9' 9"	7' 6"	11' 11"	10' 4"	8' 6"	11' 7"	9' 9"	7' 6"
600S162-43	33	13' 8"	12' 0"	9' 10"	13' 11"	12' 0"	9' 10"	12' 5"	11' 3"	9' 10"	13' 11"	12' 0"	9' 10"
600S200-43	33	14' 4"	12' 5"	10' 2"	14' 4"	12' 5"	10' 0"	13' 0"	11' 10"	10' 2"	14' 4"	12' 5"	10' 0"
600S250-43	33	14' 8"	12' 9"	10' 5"	14' 8"	12' 9"	10' 2"	13' 7"	12' 4"	10' 5"	14' 8"	12' 9"	10' 2"
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' 6"	14' 0"	12' 8"	11' 1"	15' 8"	14' 3"	12' 5"
600S250-54	50	16' 1"	14' 8"	12' 9"	18' 1"	16' 5"	13' 10"	14' 8"	13' 3"	11' 7"	16' 5"	14' 11"	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' 3"	19' 7"	17' 2"	17' 6"	15' 10"	13' 10"	19' 7"	17' 10"	15' 7"
600S162-118	50	18' 4"	16' 8"	14' 7"	20' 7"	18' 9"	16' 4"	16' 8"	15' 2"	13' 3"	18' 9"	17' 0"	14' 10"
600S200-118	50	19' 4"	17' 7"	15' 4"	21' 9"	19' 9"	17' 3"	17' 7"	16' 0"	14' 0"	19' 9"	17' 11"	15' 8"
600S250-118	50	20' 4"	18' 6"	16' 2"	22' 10"	20' 9"	18' 2"	18' 6"	16' 10"	14' 8"	20' 9"	18' 10"	16' 6"
800S162-33	33	13' 0"	11' 3"	9' 2"	11' 3"	9' 2"	6' 8"	13' 0"	11' 3"	9' 2"	11' 3"	9' 2"	6' 8"
800S200-33	33	13' 11"	12' 1"	9' 6"	11' 8"	9' 6"	6' 10"	13' 11"	12' 1"	9' 6"	11' 8"	9' 6"	6' 10"
800S162-43	33	15' 8"	13' 6"	11' 1"	15' 5"	13' 1"	10' 4"	15' 6"	13' 6"	11' 1"	15' 5"	13' 1"	10' 4"
800S200-43	33	16' 9"	14' 6"	11' 10"	16' 9"	14' 6"	11' 3"	16' 4"	14' 6"	11' 10"	16' 9"	14' 6"	11' 3"
800S250-43	33	17' 2"	14' 10"	12' 2"	17' 2"	14' 7"	11' 4"	17' 0"	14' 10"	12' 2"	17' 2"	14' 7"	11' 4"
800S162-54	50	18' 5"	16' 8"	14' 7"	20' 7"	18' 1"	14' 9"	16' 9"	15' 3"	13' 3"	18' 9"	17' 0"	14' 9"
800S200-54	50	19' 4"	17' 6"	15' 4"	21' 8"	19' 4"	15' 9"	17' 6"	15' 11"	13' 11"	19' 8"	17' 11"	15' 7"
800S250-54	50	20' 2"	18' 3"	16' 0"	22' 7"	19' 9"	16' 2"	18' 3"	16' 7"	14' 6"	20' 6"	18' 8"	16' 2"
800S162-68	50	19' 9"	18' 0"	15' 8"	22' 3"	20' 2"	17' 4"	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' 8"	19' 8"	17' 2"	24' 3"	22' 1"	18' 11"	19' 8"	17' 10"	15' 7"	22' 1"	20' 1"	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	17' 4"	15' 0"	12' 3"	16' 5"	13' 8"	10' 5"	17' 4"	15' 0"	12' 3"	16' 5"	13' 8"	10' 5"
1000S200-43	33	18' 8"	16' 2"	13' 2"	17' 3"	14' 3"	10' 9"	18' 8"	16' 2"	13' 2"	17' 3"	14' 3"	10' 9"
1000S250-43	33	19' 3"	16' 8"	13' 7"	17' 10"	14' 9"	11' 0"	19' 3"	16' 8"	13' 7"	17' 10"	14' 9"	11' 0"
1000S162-54	50	21' 11"	19' 10"	16' 5"	23' 2"	20' 1"	15' 10"	20' 0"	18' 1"	15' 9"	22' 4"	20' 1"	15' 10"
1000S200-54	50	22' 10"	20' 9"	17' 8"	24' 7"	20' 10"	16' 4"	20' 10"	18' 11"	16' 6"	23' 4"	20' 10"	16' 4"
1000S250-54	50	24' 0"	21' 10"	18' 1"	25' 7"	21' 9"	17' 0"	21' 10"	19' 10"	17' 4"	24' 6"	21' 9"	17' 0"
1000S162-68	50	23' 9"	21' 7"	18' 9"	26' 7"	23' 9"	19' 5"	21' 7"	19' 8"	17' 2"	24' 3"	22' 0"	19' 2"
1000S200-68	50	24' 10"	22' 6"	19' 8"	27' 9"	25' 2"	20' 9"	22' 7"	20' 6"	17' 11"	25' 4"	22' 11"	20' 0"
1000S250-68	50	25' 10"	23' 5"	20' 6"	29' 0"	26' 1"	21' 4"	23' 5"	21' 4"	18' 7"	26' 4"	23' 11"	20' 11"
1000S162-97	50	26' 6"	24' 1"	21' 0"	29' 9"	27' 0"	23' 7"	24' 1"	21' 10"	19' 1"	27' 0"	24' 6"	21' 5"
1000S200-97	50	27' 8"	25' 1"	21' 11"	31' 0"	28' 2"	24' 8"	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" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.



## 10 psf Dead Load and 40 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S162-54	50	25' 0"	21' 7"	17' 8"	25' 0"	21' 0"	16' 2"	23' 0"	20' 10"	17' 8"	25' 0"	21' 0"	16' 2"
1200S200-54	50	26' 3"	23' 5"	19' 1"	25' 11"	21' 8"	16' 6"	24' 0"	21' 9"	18' 11"	25' 11"	21' 8"	16' 6"
1200S250-54	50	27' 4"	24' 2"	19' 9"	26' 3"	21' 11"	16' 9"	24' 11"	22' 7"	19' 8"	26' 3"	21' 11"	16' 9"
1200S162-68	50	27' 5"	24' 11"	21' 0"	29' 8"	25' 9"	21' 0"	25' 1"	22' 9"	19' 9"	28' 0"	25' 4"	21' 0"
1200S200-68	50	28' 7"	25' 11"	22' 7"	31' 11"	27' 8"	22' 7"	26' 1"	23' 8"	20' 7"	29' 2"	26' 5"	22' 7"
1200S250-68	50	29' 9"	26' 11"	23' 4"	33' 0"	28' 6"	22' 8"	27' 1"	24' 7"	21' 5"	30' 4"	27' 6"	22' 8"
1200S162-97	50	30' 11"	28' 1"	24' 6"	34' 8"	31' 6"	27' 3"	28' 1"	25' 6"	22' 3"	31' 6"	28' 8"	25' 0"
1200S200-97	50	32' 2"	29' 3"	25' 6"	36' 1"	32' 10"	28' 8"	29' 3"	26' 6"	23' 2"	32' 10"	29' 10"	26' 0"
1200S250-97	50	33' 4"	30' 4"	26' 6"	37' 6"	34' 1"	29' 9"	30' 4"	27' 7"	24' 1"	34' 1"	30' 11"	27' 0"
1200S162-118	50	32' 9"	29' 9"	26' 0"	36' 9"	33' 5"	29' 2"	29' 9"	27' 0"	23' 7"	33' 5"	30' 4"	26' 6"
1200S200-118	50	34' 1"	31' 0"	27' 1"	38' 4"	34' 10"	30' 5"	31' 0"	28' 2"	24' 7"	34' 10"	31' 7"	27' 7"
1200S250-118	50	35' 5"	32' 2"	28' 2"	39' 9"	36' 2"	31' 7"	32' 2"	29' 3"	25' 7"	36' 2"	32' 10"	28' 8"
1200S300-118	50	36' 8"	33' 4"	29' 1"	41' 2"	37' 5"	32' 8"	33' 4"	30' 3"	26' 5"	37' 5"	34' 0"	29' 8"
1200S350-118	50	38' 5"	34' 11"	30' 6"	43' 2"	39' 3"	34' 3"	34' 11"	31' 9"	27' 9"	39' 3"	35' 8"	31' 1"
1400S162-54	50	26' 4"	22' 10"	18' 8"	25' 8"	21' 2"	15' 9"	25' 10"	22' 10"	18' 8"	25' 8"	21' 2"	15' 9"
1400S200-54	50	28' 8"	24' 10"	20' 3"	26' 4"	21' 8"	16' 0"	26' 11"	24' 5"	20' 3"	26' 4"	21' 8"	16' 0"
1400S250-54	50	29' 10"	25' 10"	21' 1"	26' 8"	21' 10"	16' 2"	28' 0"	25' 4"	21' 1"	26' 8"	21' 10"	16' 2"
1400S300-54	50	30' 6"	26' 5"	21' 7"	26' 10"	22' 0"	16' 2"	28' 10"	26' 1"	21' 7"	26' 10"	22' 0"	16' 2"
1400S350-54	50	33' 8"	29' 8"	23' 6"	28' 10"	23' 4"	16' 11"	30' 10"	28' 0"	23' 6"	28' 10"	23' 4"	16' 11"
1400S162-68	50	30' 11"	27' 4"	22' 4"	31' 6"	27' 4"	22' 4"	28' 3"	25' 8"	22' 3"	31' 6"	27' 4"	22' 4"
1400S200-68	50	32' 3"	29' 2"	24' 1"	34' 1"	29' 6"	23' 5"	29' 5"	26' 8"	23' 2"	32' 10"	29' 6"	23' 5"
1400S250-68	50	33' 5"	30' 4"	25' 0"	35' 4"	30' 0"	23' 7"	30' 6"	27' 8"	24' 1"	34' 1"	30' 0"	23' 7"
1400S300-68	50	34' 6"	31' 2"	25' 7"	35' 10"	30' 5"	23' 10"	31' 6"	28' 7"	24' 10"	35' 2"	30' 5"	23' 10"
1400S350-68	50	36' 7"	33' 3"	28' 7"	39' 11"	33' 8"	26' 1"	33' 3"	30' 2"	26' 4"	37' 3"	33' 8"	26' 1"
1400S162-97	50	35' 3"	32' 0"	27' 10"	39' 5"	35' 9"	29' 2"	32' 0"	29' 1"	25' 5"	36' 0"	32' 7"	28' 5"
1400S200-97	50	36' 7"	33' 3"	29' 0"	41' 0"	37' 2"	31' 4"	33' 3"	30' 2"	26' 5"	37' 4"	33' 11"	29' 6"
1400S250-97	50	37' 11"	34' 5"	30' 0"	42' 5"	38' 6"	32' 5"	34' 5"	31' 3"	27' 4"	38' 8"	35' 1"	30' 7"
1400S300-97	50	39' 1"	35' 6"	31' 0"	43' 10"	39' 9"	33' 3"	35' 6"	32' 3"	28' 2"	39' 11"	36' 3"	31' 7"
1400S350-97	50	40' 11"	37' 2"	32' 5"	45' 11"	41' 8"	36' 5"	37' 2"	33' 9"	29' 6"	41' 8"	37' 11"	33' 1"
1400S162-118	50	37' 5"	34' 0"	29' 8"	42' 0"	38' 2"	33' 4"	34' 0"	30' 11"	27' 0"	38' 2"	34' 8"	30' 3"
1400S200-118	50	38' 10"	35' 4"	30' 10"	43' 8"	39' 8"	34' 8"	35' 4"	32' 1"	28' 0"	39' 8"	36' 0"	31' 6"
1400S250-118	50	40' 3"	36' 7"	31' 11"	45' 2"	41' 1"	35' 10"	36' 7"	33' 3"	29' 0"	41' 1"	37' 4"	32' 7"
1400S300-118	50	41' 7"	37' 9"	33' 0"	46' 8"	42' 5"	37' 0"	37' 9"	34' 4"	30' 0"	42' 5"	38' 6"	33' 8"
1400S350-118	50	43' 6"	39' 6"	34' 6"	48' 10"	44' 4"	38' 9"	39' 6"	35' 11"	31' 4"	44' 4"	40' 4"	35' 2"
1600S162-68	50	33' 0"	28' 7"	23' 4"	33' 0"	28' 7"	22' 10"	31' 5"	28' 5"	23' 4"	33' 0"	28' 7"	22' 10"
1600S200-68	50	35' 8"	31' 0"	25' 4"	35' 10"	30' 10"	23' 8"	32' 7"	29' 6"	25' 4"	35' 10"	30' 10"	23' 8"
1600S250-68	50	37' 0"	32' 4"	26' 5"	36' 10"	30' 11"	23' 9"	33' 9"	30' 7"	26' 5"	36' 10"	30' 11"	23' 9"
1600S300-68	50	38' 1"	33' 3"	27' 2"	37' 3"	31' 3"	24' 0"	34' 10"	31' 7"	27' 2"	37' 3"	31' 3"	24' 0"
1600S350-68	50	40' 0"	36' 3"	30' 5"	40' 5"	33' 8"	25' 7"	36' 6"	33' 1"	28' 10"	40' 5"	33' 8"	25' 7"
1600S162-97	50	39' 4"	35' 8"	30' 10"	43' 8"	37' 9"	30' 10"	35' 11"	32' 7"	28' 4"	40' 1"	36' 4"	30' 10"
1600S200-97	50	40' 10"	37' 0"	32' 2"	45' 7"	40' 7"	33' 2"	37' 3"	33' 9"	29' 5"	41' 7"	37' 8"	32' 10"
1600S250-97	50	42' 2"	38' 3"	33' 4"	47' 2"	42' 3"	34' 6"	38' 6"	34' 11"	30' 5"	43' 0"	39' 0"	34' 0"
1600S300-97	50	43' 6"	39' 5"	34' 4"	48' 7"	43' 5"	35' 5"	39' 7"	36' 0"	31' 4"	44' 4"	40' 3"	35' 0"
1600S350-97	50	45' 5"	41' 3"	35' 11"	50' 10"	46' 1"	39' 1"	41' 4"	37' 7"	32' 9"	46' 4"	42' 0"	36' 8"
1600S162-118	50	42' 1"	38' 2"	33' 4"	47' 2"	42' 10"	35' 11"	38' 2"	34' 8"	30' 4"	42' 11"	39' 0"	34' 0"
1600S200-118	50	43' 7"	39' 7"	34' 7"	48' 11"	44' 4"	38' 6"	39' 7"	35' 11"	31' 5"	44' 5"	40' 4"	35' 3"
1600S250-118	50	45' 0"	40' 11"	35' 9"	50' 6"	45' 11"	40' 0"	40' 11"	37' 2"	32' 5"	45' 11"	41' 9"	36' 5"
1600S300-118	50	46' 4"	42' 2"	36' 10"	52' 1"	47' 4"	41' 1"	42' 2"	38' 3"	33' 5"	47' 4"	43' 0"	37' 7"
1600S350-118	50	48' 5"	44' 0"	38' 5"	54' 4"	49' 5"	43' 1"	44' 0"	40' 0"	34' 11"	49' 5"	44' 11"	39' 2"

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.



# Floor Joist Spans

## 10 psf Dead Load and 50 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	10' 3"	8' 11"	7' 3"	10' 1"	8' 5"	6' 5"	10' 3"	8' 11"	7' 3"	10' 1"	8' 5"	6' 5"
600S200-33	33	10' 11"	9' 6"	7' 9"	10' 5"	8' 8"	6' 7"	10' 11"	9' 6"	7' 9"	10' 5"	8' 8"	6' 7"
600S162-43	33	12' 8"	11' 0"	9' 0"	12' 8"	11' 0"	8' 10"	11' 6"	10' 5"	9' 0"	12' 8"	11' 0"	8' 10"
600S200-43	33	13' 1"	11' 4"	9' 3"	13' 1"	11' 4"	9' 0"	12' 1"	11' 0"	9' 3"	13' 1"	11' 4"	9' 0"
600S250-43	33	13' 5"	11' 7"	9' 6"	13' 5"	11' 7"	9' 2"	12' 8"	11' 6"	9' 6"	13' 5"	11' 7"	9' 2"
600S162-54	50	13' 7"	12' 4"	10' 9"	15' 3"	13' 10"	12' 0"	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' 2"	13' 0"	11' 9"	10' 3"	14' 7"	13' 3"	11' 7"
600S250-54	50	14' 11"	13' 7"	11' 10"	16' 9"	15' 3"	12' 6"	13' 7"	12' 4"	10' 9"	15' 3"	13' 10"	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' 8"	12' 10"	18' 1"	16' 5"	14' 4"	14' 8"	13' 4"	11' 8"	16' 5"	14' 11"	13' 1"
600S200-97	50	17' 0"	15' 5"	13' 6"	19' 1"	17' 4"	15' 2"	15' 5"	14' 0"	12' 3"	17' 4"	15' 9"	13' 9"
600S250-97	50	17' 10"	16' 3"	14' 2"	20' 0"	18' 2"	15' 11"	16' 3"	14' 9"	12' 10"	18' 2"	16' 6"	14' 5"
600S162-118	50	17' 0"	15' 6"	13' 6"	19' 1"	17' 4"	15' 2"	15' 6"	14' 1"	12' 3"	17' 4"	15' 9"	13' 9"
600S200-118	50	18' 0"	16' 4"	14' 3"	20' 2"	18' 4"	16' 0"	16' 4"	14' 10"	13' 0"	18' 4"	16' 8"	14' 7"
600S250-118	50	18' 11"	17' 2"	15' 0"	21' 3"	19' 3"	16' 10"	17' 2"	15' 7"	13' 7"	19' 3"	17' 6"	15' 4"
800S162-33	33	11' 10"	10' 3"	7' 11"	9' 10"	8' 0"	5' 9"	11' 10"	10' 3"	7' 11"	9' 10"	8' 0"	5' 9"
800S200-33	33	12' 8"	11' 0"	7' 11"	10' 3"	8' 2"	5' 10"	12' 8"	11' 0"	7' 11"	10' 3"	8' 2"	5' 10"
800S162-43	33	14' 3"	12' 4"	10' 1"	13' 11"	11' 9"	9' 2"	14' 3"	12' 4"	10' 1"	13' 11"	11' 9"	9' 2"
800S200-43	33	15' 3"	13' 3"	10' 10"	15' 3"	12' 11"	10' 0"	15' 2"	13' 3"	10' 10"	15' 3"	12' 11"	10' 0"
800S250-43	33	15' 8"	13' 7"	11' 1"	15' 6"	13' 0"	10' 0"	15' 8"	13' 7"	11' 1"	15' 6"	13' 0"	10' 0"
800S162-54	50	17' 1"	15' 6"	13' 6"	19' 1"	16' 6"	13' 5"	15' 7"	14' 1"	12' 4"	17' 5"	15' 10"	13' 5"
800S200-54	50	17' 11"	16' 3"	14' 3"	20' 1"	17' 8"	14' 5"	16' 3"	14' 9"	12' 11"	18' 3"	16' 7"	14' 5"
800S250-54	50	18' 8"	17' 0"	14' 9"	20' 10"	18' 1"	14' 8"	17' 0"	15' 5"	13' 6"	19' 1"	17' 4"	14' 8"
800S162-68	50	18' 4"	16' 8"	14' 7"	20' 7"	18' 9"	15' 10"	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"	13' 10"	19' 7"	17' 10"	15' 7"
800S250-68	50	20' 1"	18' 3"	15' 11"	22' 7"	20' 6"	17' 3"	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	15' 10"	13' 8"	11' 2"	14' 8"	12' 2"	9' 1"	15' 10"	13' 8"	11' 2"	14' 8"	12' 2"	9' 1"
1000S200-43	33	17' 1"	14' 9"	12' 1"	15' 4"	12' 7"	9' 4"	17' 1"	14' 9"	12' 1"	15' 4"	12' 7"	9' 4"
1000S250-43	33	17' 6"	15' 2"	12' 5"	15' 10"	13' 0"	9' 7"	17' 6"	15' 2"	12' 5"	15' 10"	13' 0"	9' 7"
1000S162-54	50	20' 4"	18' 4"	15' 0"	21' 2"	18' 2"	14' 2"	18' 6"	16' 10"	14' 7"	20' 8"	18' 2"	14' 2"
1000S200-54	50	21' 3"	19' 3"	16' 1"	22' 2"	18' 9"	14' 7"	19' 4"	17' 7"	15' 3"	21' 8"	18' 9"	14' 7"
1000S250-54	50	22' 4"	20' 3"	16' 6"	23' 1"	19' 6"	15' 1"	20' 3"	18' 5"	16' 1"	22' 9"	19' 6"	15' 1"
1000S162-68	50	22' 1"	20' 0"	17' 5"	24' 8"	21' 8"	17' 8"	20' 1"	18' 3"	15' 11"	22' 6"	20' 5"	17' 8"
1000S200-68	50	23' 0"	20' 11"	18' 3"	25' 9"	23' 2"	18' 11"	20' 11"	19' 0"	16' 7"	23' 6"	21' 4"	18' 7"
1000S250-68	50	24' 0"	21' 9"	19' 0"	26' 11"	23' 10"	19' 5"	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"

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.

## 10 psf Dead Load and 50 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S162-54	50	22' 10"	19' 9"	16' 1"	22' 5"	18' 9"	14' 2"	21' 4"	19' 4"	16' 1"	22' 5"	18' 9"	14' 2"
1200S200-54	50	24' 4"	21' 4"	17' 5"	23' 2"	19' 3"	14' 6"	22' 3"	20' 2"	17' 5"	23' 2"	19' 3"	14' 6"
1200S250-54	50	25' 4"	22' 1"	18' 0"	23' 5"	19' 6"	14' 8"	23' 1"	21' 0"	18' 0"	23' 5"	19' 6"	14' 8"
1200S162-68	50	25' 6"	23' 1"	19' 2"	27' 1"	23' 6"	19' 2"	23' 3"	21' 1"	18' 4"	25' 11"	23' 6"	19' 2"
1200S200-68	50	26' 6"	24' 1"	20' 7"	29' 2"	25' 3"	20' 4"	24' 2"	21' 11"	19' 1"	27' 1"	24' 6"	20' 4"
1200S250-68	50	27' 7"	25' 0"	21' 3"	30' 1"	25' 9"	20' 5"	25' 2"	22' 10"	19' 10"	28' 1"	25' 6"	20' 5"
1200S162-97	50	28' 8"	26' 1"	22' 9"	32' 2"	29' 3"	24' 10"	26' 1"	23' 8"	20' 8"	29' 3"	26' 7"	23' 3"
1200S200-97	50	29' 10"	27' 1"	23' 8"	33' 6"	30' 5"	26' 7"	27' 1"	24' 8"	21' 6"	30' 5"	27' 8"	24' 2"
1200S250-97	50	31' 0"	28' 2"	24' 7"	34' 9"	31' 7"	27' 5"	28' 2"	25' 7"	22' 4"	31' 7"	28' 9"	25' 1"
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' 1"	36' 11"	33' 7"	29' 4"	29' 11"	27' 2"	23' 9"	33' 7"	30' 6"	26' 8"
1200S300-118	50	34' 0"	30' 11"	27' 0"	38' 3"	34' 9"	30' 4"	30' 11"	28' 1"	24' 7"	34' 9"	31' 7"	27' 7"
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	24' 1"	20' 10"	17' 0"	22' 9"	18' 7"	13' 8"	24' 0"	20' 10"	17' 0"	22' 9"	18' 7"	13' 8"
1400S200-54	50	26' 2"	22' 8"	18' 6"	23' 4"	19' 0"	13' 10"	25' 0"	22' 8"	18' 6"	23' 4"	19' 0"	13' 10"
1400S250-54	50	27' 2"	23' 7"	19' 3"	23' 7"	19' 2"	13' 11"	25' 11"	23' 6"	19' 3"	23' 7"	19' 2"	13' 11"
1400S300-54	50	27' 10"	24' 1"	19' 7"	23' 9"	19' 3"	14' 0"	26' 9"	24' 1"	19' 7"	23' 9"	19' 3"	14' 0"
1400S350-54	50	31' 2"	27' 1"	19' 7"	25' 3"	20' 3"	14' 6"	28' 7"	25' 11"	19' 7"	25' 3"	20' 3"	14' 6"
1400S162-68	50	28' 8"	24' 11"	20' 4"	28' 9"	24' 11"	20' 1"	26' 3"	23' 9"	20' 4"	28' 9"	24' 11"	20' 1"
1400S200-68	50	29' 11"	26' 11"	22' 0"	31' 1"	26' 10"	20' 11"	27' 3"	24' 9"	21' 6"	30' 5"	26' 10"	20' 11"
1400S250-68	50	31' 0"	27' 11"	22' 10"	31' 11"	27' 0"	21' 0"	28' 4"	25' 8"	22' 4"	31' 7"	27' 0"	21' 0"
1400S300-68	50	32' 0"	28' 7"	23' 4"	32' 4"	27' 3"	21' 3"	29' 3"	26' 6"	23' 0"	32' 4"	27' 3"	21' 3"
1400S350-68	50	33' 11"	30' 10"	26' 1"	35' 11"	30' 1"	23' 1"	30' 10"	28' 0"	24' 6"	34' 7"	30' 1"	23' 1"
1400S162-97	50	32' 9"	29' 8"	25' 10"	36' 7"	32' 8"	26' 8"	29' 9"	27' 0"	23' 7"	33' 4"	30' 3"	26' 4"
1400S200-97	50	34' 0"	30' 10"	26' 10"	38' 0"	34' 6"	28' 7"	30' 10"	28' 1"	24' 6"	34' 8"	31' 5"	27' 5"
1400S250-97	50	35' 2"	31' 11"	27' 10"	39' 5"	35' 9"	29' 7"	31' 11"	29' 0"	25' 4"	35' 11"	32' 7"	28' 5"
1400S300-97	50	36' 3"	33' 0"	28' 9"	40' 8"	36' 11"	30' 4"	33' 0"	29' 11"	26' 2"	37' 0"	33' 8"	29' 4"
1400S350-97	50	37' 11"	34' 6"	30' 1"	42' 7"	38' 8"	33' 5"	34' 6"	31' 4"	27' 4"	38' 8"	35' 2"	30' 9"
1400S162-118	50	34' 9"	31' 7"	27' 7"	39' 0"	35' 5"	30' 11"	31' 7"	28' 8"	25' 1"	35' 5"	32' 2"	28' 1"
1400S200-118	50	36' 1"	32' 9"	28' 8"	40' 6"	36' 10"	32' 2"	32' 9"	29' 9"	26' 0"	36' 10"	33' 5"	29' 2"
1400S250-118	50	37' 4"	33' 11"	29' 8"	41' 11"	38' 1"	33' 4"	33' 11"	30' 10"	26' 11"	38' 1"	34' 8"	30' 3"
1400S300-118	50	38' 7"	35' 1"	30' 7"	43' 4"	39' 4"	34' 4"	35' 1"	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	30' 2"	26' 1"	21' 4"	30' 2"	26' 1"	20' 3"	29' 1"	26' 1"	21' 4"	30' 2"	26' 1"	20' 3"
1600S200-68	50	32' 8"	28' 4"	23' 2"	32' 8"	27' 5"	20' 11"	30' 3"	27' 5"	23' 2"	32' 8"	27' 5"	20' 11"
1600S250-68	50	34' 1"	29' 6"	24' 1"	33' 0"	27' 7"	21' 0"	31' 4"	28' 5"	24' 1"	33' 0"	27' 7"	21' 0"
1600S300-68	50	35' 1"	30' 4"	24' 9"	33' 4"	27' 10"	21' 2"	32' 4"	29' 4"	24' 9"	33' 4"	27' 10"	21' 2"
1600S350-68	50	37' 1"	33' 8"	27' 9"	36' 1"	29' 10"	22' 5"	33' 10"	30' 8"	26' 9"	36' 1"	29' 10"	22' 5"
1600S162-97	50	36' 6"	33' 1"	28' 2"	39' 10"	34' 6"	28' 2"	33' 4"	30' 3"	26' 4"	37' 2"	33' 8"	28' 2"
1600S200-97	50	37' 10"	34' 4"	29' 10"	42' 3"	37' 1"	30' 3"	34' 6"	31' 4"	27' 3"	38' 7"	35' 0"	30' 3"
1600S250-97	50	39' 2"	35' 6"	30' 11"	43' 9"	38' 7"	31' 6"	35' 8"	32' 5"	28' 2"	39' 11"	36' 2"	31' 6"
1600S300-97	50	40' 4"	36' 7"	31' 11"	45' 1"	39' 7"	32' 4"	36' 9"	33' 4"	29' 1"	41' 2"	37' 4"	32' 4"
1600S350-97	50	42' 2"	38' 3"	33' 4"	47' 2"	42' 9"	35' 5"	38' 5"	34' 10"	30' 5"	43' 0"	39' 0"	34' 0"
1600S162-118	50	39' 0"	35' 6"	30' 11"	43' 9"	39' 8"	32' 10"	35' 6"	32' 3"	28' 2"	39' 10"	36' 2"	31' 7"
1600S200-118	50	40' 5"	36' 9"	32' 1"	45' 5"	41' 2"	35' 1"	36' 9"	33' 4"	29' 2"	41' 3"	37' 6"	32' 9"
1600S250-118	50	41' 9"	37' 11"	33' 2"	46' 11"	42' 7"	36' 6"	37' 11"	34' 6"	30' 2"	42' 7"	38' 9"	33' 10"
1600S300-118	50	43' 1"	39' 1"	34' 2"	48' 4"	43' 11"	37' 6"	39' 1"	35' 6"	31' 0"	43' 11"	39' 11"	34' 10"
1600S350-118	50	44' 11"	40' 10"	35' 8"	50' 6"	45' 10"	40' 0"	40' 10"	37' 1"	32' 5"	45' 10"	41' 8"	36' 5"

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.



# Floor Joist Spans

## 15 psf Dead Load and 125 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	6' 9"	5' 10"	4' 7"	5' 9"	4' 8"	3' 4"	6' 9"	5' 10"	4' 7"	5' 9"	4' 8"	3' 4"
600S200-33	33	7' 2"	6' 2"	4' 7"	5' 11"	4' 9"	3' 4"	7' 2"	6' 2"	4' 7"	5' 11"	4' 9"	3' 4"
600S162-43	33	8' 4"	7' 2"	5' 10"	8' 1"	6' 9"	5' 2"	8' 4"	7' 2"	5' 10"	8' 1"	6' 9"	5' 2"
600S200-43	33	8' 7"	7' 5"	6' 1"	8' 2"	6' 10"	5' 3"	8' 7"	7' 5"	6' 1"	8' 2"	6' 10"	5' 3"
600S250-43	33	8' 9"	7' 7"	6' 3"	8' 4"	7' 0"	5' 4"	8' 9"	7' 7"	6' 3"	8' 4"	7' 0"	5' 4"
600S162-54	50	10' 0"	9' 1"	7' 10"	11' 1"	9' 5"	7' 4"	9' 1"	8' 3"	7' 3"	10' 2"	9' 3"	7' 4"
600S200-54	50	10' 6"	9' 7"	8' 1"	11' 2"	9' 5"	7' 4"	9' 7"	8' 8"	7' 7"	10' 9"	9' 5"	7' 4"
600S250-54	50	11' 0"	10' 0"	8' 3"	11' 5"	9' 8"	7' 6"	10' 0"	9' 1"	7' 11"	11' 3"	9' 8"	7' 6"
600S162-68	50	10' 9"	9' 9"	8' 6"	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"	12' 3"	11' 6"	9' 4"	10' 3"	9' 4"	8' 2"	11' 6"	10' 5"	9' 2"
600S250-68	50	11' 10"	10' 9"	9' 5"	13' 3"	11' 5"	9' 1"	10' 9"	9' 9"	8' 6"	12' 1"	10' 11"	9' 1"
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"	15' 8"	14' 2"	12' 5"	12' 8"	11' 6"	10' 0"	14' 2"	12' 11"	11' 3"
800S162-33	33	6' 9"	5' 1"	3' 5"	5' 0"	3' 11"	2' 8"	6' 9"	5' 1"	3' 5"	5' 0"	3' 11"	2' 8"
800S200-33	33	6' 9"	5' 1"	3' 5"	5' 1"	3' 11"	2' 8"	6' 9"	5' 1"	3' 5"	5' 1"	3' 11"	2' 8"
800S162-43	33	9' 4"	8' 1"	6' 7"	8' 4"	6' 10"	5' 1"	9' 4"	8' 1"	6' 7"	8' 4"	6' 10"	5' 1"
800S200-43	33	10' 0"	8' 8"	7' 1"	9' 0"	7' 4"	5' 4"	10' 0"	8' 8"	7' 1"	9' 0"	7' 4"	5' 4"
800S250-43	33	10' 3"	8' 11"	7' 3"	9' 0"	7' 4"	5' 4"	10' 3"	8' 11"	7' 3"	9' 0"	7' 4"	5' 4"
800S162-54	50	12' 6"	10' 10"	8' 10"	12' 3"	10' 4"	8' 1"	11' 5"	10' 4"	8' 10"	12' 3"	10' 4"	8' 1"
800S200-54	50	13' 2"	11' 7"	9' 5"	13' 4"	11' 2"	8' 7"	12' 0"	10' 11"	9' 5"	13' 4"	11' 2"	8' 7"
800S250-54	50	13' 8"	11' 10"	9' 8"	13' 5"	11' 3"	8' 8"	12' 6"	11' 4"	9' 8"	13' 5"	11' 3"	8' 8"
800S162-68	50	13' 6"	12' 4"	10' 4"	14' 8"	12' 8"	10' 1"	12' 4"	11' 2"	9' 9"	13' 10"	12' 7"	10' 1"
800S200-68	50	14' 2"	12' 11"	11' 3"	15' 11"	14' 0"	11' 3"	12' 11"	11' 8"	10' 3"	14' 5"	13' 2"	11' 3"
800S250-68	50	14' 10"	13' 5"	11' 4"	16' 0"	13' 10"	11' 0"	13' 5"	12' 3"	10' 8"	15' 1"	13' 9"	11' 0"
800S162-97	50	15' 0"	13' 8"	11' 11"	16' 11"	15' 4"	12' 8"	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"	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	10' 4"	8' 11"	6' 0"	8' 1"	6' 5"	4' 6"	10' 4"	8' 11"	6' 0"	8' 1"	6' 5"	4' 6"
1000S200-43	33	11' 2"	8' 11"	6' 0"	8' 3"	6' 6"	4' 7"	11' 2"	8' 11"	6' 0"	8' 3"	6' 6"	4' 7"
1000S250-43	33	11' 6"	8' 11"	6' 0"	8' 5"	6' 7"	4' 7"	11' 6"	8' 11"	6' 0"	8' 5"	6' 7"	4' 7"
1000S162-54	50	13' 10"	12' 0"	9' 10"	12' 10"	10' 7"	7' 11"	13' 7"	12' 0"	9' 10"	12' 10"	10' 7"	7' 11"
1000S200-54	50	14' 11"	12' 11"	10' 6"	13' 3"	10' 10"	8' 0"	14' 2"	12' 10"	10' 6"	13' 3"	10' 10"	8' 0"
1000S250-54	50	15' 4"	13' 3"	10' 10"	13' 8"	11' 2"	8' 2"	14' 11"	13' 3"	10' 10"	13' 8"	11' 2"	8' 2"
1000S162-68	50	16' 2"	14' 2"	11' 7"	16' 5"	14' 2"	11' 2"	14' 9"	13' 5"	11' 7"	16' 5"	14' 2"	11' 2"
1000S200-68	50	16' 11"	15' 2"	12' 5"	17' 6"	14' 10"	11' 8"	15' 5"	14' 0"	12' 2"	17' 3"	14' 10"	11' 8"
1000S250-68	50	17' 8"	15' 7"	12' 9"	18' 0"	15' 7"	12' 4"	16' 1"	14' 7"	12' 9"	18' 0"	15' 7"	12' 4"
1000S162-97	50	18' 1"	16' 5"	14' 4"	20' 4"	18' 2"	14' 9"	16' 5"	14' 11"	13' 1"	18' 6"	16' 9"	14' 8"
1000S200-97	50	18' 11"	17' 2"	15' 0"	21' 3"	19' 3"	15' 8"	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"	16' 11"	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' 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"	17' 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" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.

## 15 psf Dead Load and 125 psf Live Load

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

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.



# Floor Joist Spans

## 40 psf Dead Load and 125 psf Live Load

Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
600S162-33	33	6' 2"e	5' 4"e	3' 10"e	5' 1"e	4' 1"e	2' 11"e	6' 2"e	5' 4"e	3' 10"e	5' 1"e	4' 1"e	2' 11"e
600S200-33	33	6' 7"e	5' 9"e	3' 10"e	5' 2"e	4' 2"e	2' 11"e	6' 7"e	5' 9"e	3' 10"e	5' 2"e	4' 2"e	2' 11"e
600S162-43	33	7' 8"e	6' 7"e	5' 5"e	7' 4"e	6' 1"e	4' 8"e	7' 8"e	6' 7"e	5' 5"e	7' 4"e	6' 1"e	4' 8"e
600S200-43	33	7' 11"e	6' 10"e	5' 7"e	7' 5"e	6' 2"e	4' 8"e	7' 11"e	6' 10"e	5' 7"e	7' 5"e	6' 2"e	4' 8"e
600S250-43	33	8' 1"e	7' 0"e	5' 9"e	7' 7"e	6' 3"e	4' 9"e	8' 1"e	7' 0"e	5' 9"e	7' 7"e	6' 3"e	4' 9"e
600S162-54	50	10' 0"	8' 10"e	7' 3"e	10' 2"	8' 7"	6' 7"	9' 1"	8' 3"	7' 3"e	10' 2"	8' 7"	6' 7"
600S200-54	50	10' 6"	9' 1"e	7' 5"e	10' 2"	8' 7"	6' 7"	9' 7"	8' 8"e	7' 5"e	10' 2"	8' 7"	6' 7"
600S250-54	50	10' 9"	9' 4"e	7' 7"e	10' 5"	8' 9"	6' 9"	10' 0"	9' 1"e	7' 7"e	10' 5"	8' 9"	6' 9"
600S162-68	50	10' 9"	9' 9"	8' 6"e	12' 0"	10' 3"	8' 1"	9' 9"	8' 10"	7' 9"	10' 11"	9' 11"	8' 1"
600S200-68	50	11' 3"	10' 3"	8' 11"e	12' 7"	10' 8"	8' 5"	10' 3"	9' 4"	8' 5"	11' 6"	10' 5"	8' 5"
600S250-68	50	11' 10"	10' 9"	8' 11"e	12' 3"	10' 5"	8' 3"	10' 9"	9' 9"	8' 6"e	12' 1"	10' 5"	8' 3"
600S162-97	50	11' 11"	10' 10"	9' 5"	13' 4"	12' 1"	9' 10"	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"	10' 5"	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"	10' 8"	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"	10' 7"	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' 1"	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"	11' 6"	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' 4"e	3' 4"e	2' 3"e	5' 9"e	4' 4"e	2' 10"e	4' 4"e	3' 4"e	2' 3"e
800S200-33	33	5' 9"e	4' 4"e	2' 10"e	4' 5"e	3' 4"e	2' 3"e	5' 9"e	4' 4"e	2' 10"e	4' 5"e	3' 4"e	2' 3"e
800S162-43	33	8' 7"e	7' 5"e	6' 1"e	7' 5"e	6' 1"e	4' 5"e	8' 7"e	7' 5"e	6' 1"e	7' 5"e	6' 1"e	4' 5"e
800S200-43	33	9' 2"e	8' 0"e	6' 4"e	8' 0"e	6' 5"e	4' 8"e	9' 2"e	8' 0"e	6' 4"e	8' 0"e	6' 5"e	4' 8"e
800S250-43	33	9' 5"e	8' 2"e	6' 4"e	8' 0"e	6' 6"e	4' 8"e	9' 5"e	8' 2"e	6' 4"e	8' 0"e	6' 6"e	4' 8"e
800S162-54	50	11' 6"e	10' 0"e	8' 2"e	11' 2"	9' 4"	7' 3"e	11' 5"e	10' 0"e	8' 2"e	11' 2"	9' 4"	7' 3"e
800S200-54	50	12' 3"e	10' 8"e	8' 8"e	12' 1"	10' 1"	7' 8"e	12' 0"e	10' 8"e	8' 8"e	12' 1"	10' 1"	7' 8"e
800S250-54	50	12' 7"e	10' 11"e	8' 11"e	12' 2"	10' 2"	7' 9"e	12' 6"e	10' 11"e	8' 11"e	12' 2"	10' 2"	7' 9"e
800S162-68	50	13' 6"	11' 8"	9' 7"e	13' 6"	11' 6"	9' 2"	12' 4"	11' 2"	9' 7"e	13' 6"	11' 6"	9' 2"
800S200-68	50	14' 2"	12' 10"e	10' 6"e	14' 10"	12' 10"	10' 2"	12' 11"	11' 8"	10' 3"e	14' 5"	12' 10"	10' 2"
800S250-68	50	14' 9"	12' 9"e	10' 5"e	14' 9"	12' 8"	9' 11"	13' 5"	12' 3"e	10' 5"e	14' 9"	12' 8"	9' 11"
800S162-97	50	15' 0"	13' 8"	11' 11"	16' 9"	14' 5"	11' 7"	13' 8"	12' 5"	10' 10"	15' 4"	13' 11"	11' 7"
800S200-97	50	15' 9"	14' 4"	12' 6"	17' 8"	15' 9"	13' 2"	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"	13' 6"	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"	13' 11"	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' 8"	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' 2"	15' 10"	14' 5"	12' 7"	17' 10"	16' 2"	14' 2"
1000S162-43	33	9' 6"e	7' 7"e	5' 1"e	7' 1"e	5' 7"e	3' 11"e	9' 6"e	7' 7"e	5' 1"e	7' 1"e	5' 7"e	3' 11"e
1000S200-43	33	10' 2"e	7' 7"e	5' 1"e	7' 3"e	5' 8"e	3' 11"e	10' 2"e	7' 7"e	5' 1"e	7' 3"e	5' 8"e	3' 11"e
1000S250-43	33	10' 2"e	7' 7"e	5' 1"e	7' 4"e	5' 9"e	3' 11"e	10' 2"e	7' 7"e	5' 1"e	7' 4"e	5' 9"e	3' 11"e
1000S162-54	50	12' 9"e	11' 1"e	9' 0"e	11' 6"	9' 5"	6' 11"e	12' 9"e	11' 1"e	9' 0"e	11' 6"	9' 5"	6' 11"e
1000S200-54	50	13' 9"e	11' 11"e	9' 8"e	11' 10"	9' 8"	7' 1"e	13' 9"e	11' 11"e	9' 8"e	11' 10"	9' 8"	7' 1"e
1000S250-54	50	14' 1"e	12' 2"e	10' 0"e	12' 2"	9' 11"	7' 2"e	14' 1"e	12' 2"e	10' 0"e	12' 2"	9' 11"	7' 2"e
1000S162-68	50	15' 1"	13' 1"e	10' 8"e	15' 1"	12' 11"	10' 1"	14' 8"	13' 1"e	10' 8"e	15' 1"	12' 11"	10' 1"
1000S200-68	50	16' 2"e	14' 0"e	11' 5"e	16' 0"	13' 6"	10' 7"e	15' 4"	13' 11"e	11' 5"e	16' 0"	13' 6"	10' 7"e
1000S250-68	50	16' 7"e	14' 4"e	11' 9"e	16' 7"	14' 3"	11' 1"e	16' 1"e	14' 4"e	11' 9"e	16' 7"	14' 3"	11' 1"e
1000S162-97	50	18' 1"	16' 5"	13' 8"	19' 4"	16' 9"	13' 6"	16' 5"	14' 11"	13' 1"	18' 6"	16' 9"	13' 6"
1000S200-97	50	18' 11"	17' 2"	14' 7"	20' 7"	17' 10"	14' 4"	17' 2"	15' 7"	13' 8"	19' 3"	17' 6"	14' 4"
1000S250-97	50	19' 8"	17' 11"	15' 7"e	22' 0"	19' 1"	15' 7"	17' 11"	16' 3"	14' 2"	20' 1"	18' 3"	15' 7"
1000S162-118	50	19' 2"	17' 5"	15' 3"	21' 6"	18' 9"	15' 2"	17' 5"	15' 10"	13' 10"	19' 7"	17' 9"	15' 2"
1000S200-118	50	20' 1"	18' 3"	15' 11"	22' 6"	20' 0"	16' 2"	18' 3"	16' 7"	14' 5"	20' 5"	18' 7"	16' 2"
1000S250-118	50	20' 11"	19' 0"	16' 7"	23' 5"	21' 4"	18' 0"	19' 0"	17' 3"	15' 1"	21' 4"	19' 4"	16' 11"

"e" web stiffeners required at ends.

Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.

## 40 psf Dead Load and 125 psf Live Load

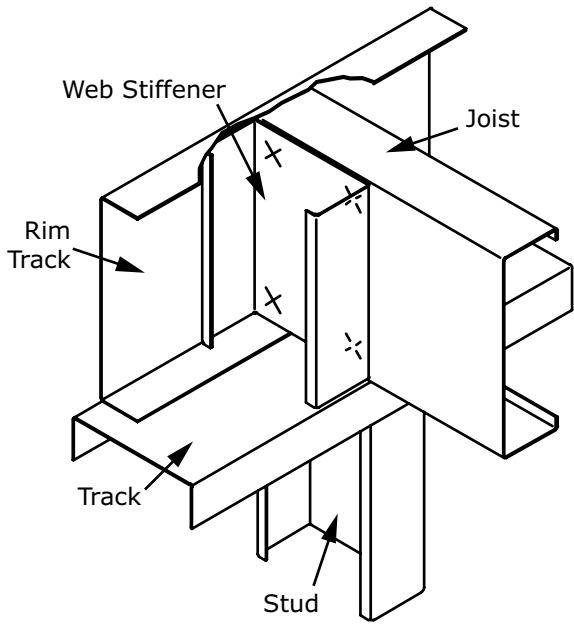
Section	F <sub>y</sub> (ksi)	L/360 Live Load Deflection						L/480 Live Load Deflection					
		Single Span			Double Span			Single Span			Double Span		
		Spacing (in) on center			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
		12	16	24	12	16	24	12	16	24	12	16	24
1200S162-54	50	13' 9"	11' 11"	8' 4"	11' 3"	8' 11"	6' 3"	13' 9"	11' 11"	8' 4"	11' 3"	8' 11"	6' 3"
1200S200-54	50	14' 10"	12' 6"	8' 4"	11' 5"	9' 0"	6' 4"	14' 10"	12' 6"	8' 4"	11' 5"	9' 0"	6' 4"
1200S250-54	50	15' 4"	12' 6"	8' 4"	11' 6"	9' 1"	6' 4"	15' 4"	12' 6"	8' 4"	11' 6"	9' 1"	6' 4"
1200S162-68	50	16' 4"	14' 2"	11' 7"	16' 0"	13' 5"	10' 2"	16' 4"	14' 2"	11' 7"	16' 0"	13' 5"	10' 2"
1200S200-68	50	17' 7"	15' 3"	12' 5"	16' 9"	13' 11"	10' 6"	17' 7"	15' 3"	12' 5"	16' 9"	13' 11"	10' 6"
1200S250-68	50	18' 2"	15' 9"	12' 10"	16' 10"	14' 0"	10' 7"	18' 2"	15' 9"	12' 10"	16' 10"	14' 0"	10' 7"
1200S162-97	50	21' 1"	18' 4"	15' 0"	21' 2"	18' 4"	15' 0"	19' 2"	17' 5"	15' 0"	21' 2"	18' 4"	15' 0"
1200S200-97	50	22' 0"	19' 7"	16' 0"	22' 8"	19' 7"	15' 11"	20' 0"	18' 2"	15' 10"	22' 5"	19' 7"	15' 11"
1200S250-97	50	22' 10"	20' 3"	16' 6"	23' 5"	20' 3"	16' 5"	20' 9"	18' 10"	16' 6"	23' 3"	20' 3"	16' 5"
1200S162-118	50	22' 5"	20' 4"	17' 3"	24' 5"	21' 1"	17' 2"	20' 4"	18' 6"	16' 2"	22' 10"	20' 9"	17' 2"
1200S200-118	50	23' 4"	21' 2"	18' 4"	26' 0"	22' 6"	18' 3"	21' 2"	19' 3"	16' 10"	23' 10"	21' 8"	18' 3"
1200S250-118	50	24' 3"	22' 0"	19' 0"	26' 10"	23' 3"	19' 0"	22' 0"	20' 0"	17' 6"	24' 9"	22' 6"	19' 0"
1200S300-118	50	25' 1"	22' 9"	19' 11"	28' 2"	24' 9"	20' 2"	22' 9"	20' 8"	18' 1"	25' 7"	23' 3"	20' 2"
1200S350-118	50	26' 4"	23' 11"	20' 10"	29' 6"	26' 10"	22' 0"	23' 11"	21' 8"	19' 0"	26' 10"	24' 4"	21' 3"
1400S162-54	50	14' 3"	10' 8"	7' 2"	10' 5"	8' 1"	5' 7"	14' 3"	10' 8"	7' 2"	10' 5"	8' 1"	5' 7"
1400S200-54	50	14' 3"	10' 8"	7' 2"	10' 7"	8' 2"	5' 7"	14' 3"	10' 8"	7' 2"	10' 7"	8' 2"	5' 7"
1400S250-54	50	14' 3"	10' 8"	7' 2"	10' 7"	8' 2"	5' 7"	14' 3"	10' 8"	7' 2"	10' 7"	8' 2"	5' 7"
1400S300-54	50	14' 3"	10' 8"	7' 2"	10' 8"	8' 2"	5' 7"	14' 3"	10' 8"	7' 2"	10' 8"	8' 2"	5' 7"
1400S350-54	50	14' 3"	10' 8"	7' 2"	10' 11"	8' 4"	5' 8"	14' 3"	10' 8"	7' 2"	10' 11"	8' 4"	5' 8"
1400S162-68	50	17' 4"	15' 0"	12' 3"	16' 4"	13' 4"	9' 10"	17' 4"	15' 0"	12' 3"	16' 4"	13' 4"	9' 10"
1400S200-68	50	18' 9"	16' 3"	13' 3"	16' 11"	13' 9"	10' 1"	18' 9"	16' 3"	13' 3"	16' 11"	13' 9"	10' 1"
1400S250-68	50	19' 6"	16' 10"	13' 9"	17' 0"	13' 10"	10' 1"	19' 6"	16' 10"	13' 9"	17' 0"	13' 10"	10' 1"
1400S300-68	50	19' 11"	17' 3"	14' 1"	17' 2"	13' 11"	10' 2"	19' 11"	17' 3"	14' 1"	17' 2"	13' 11"	10' 2"
1400S350-68	50	22' 3"	19' 3"	14' 4"	18' 5"	14' 9"	10' 7"	22' 3"	19' 3"	14' 4"	18' 5"	14' 9"	10' 7"
1400S162-97	50	22' 9"	19' 8"	16' 1"	22' 9"	19' 8"	16' 1"	21' 10"	19' 8"	16' 1"	22' 9"	19' 8"	16' 1"
1400S200-97	50	24' 4"	21' 1"	17' 3"	24' 4"	21' 1"	17' 1"	22' 4"	20' 7"	17' 3"	24' 4"	21' 1"	17' 1"
1400S250-97	50	25' 3"	21' 11"	17' 10"	25' 3"	21' 11"	17' 7"	23' 6"	21' 4"	17' 10"	25' 3"	21' 11"	17' 7"
1400S300-97	50	25' 10"	22' 5"	18' 3"	25' 10"	22' 5"	18' 0"	24' 3"	22' 0"	18' 3"	25' 10"	22' 5"	18' 0"
1400S350-97	50	28' 0"	24' 8"	20' 2"	28' 6"	24' 8"	20' 0"	25' 5"	23' 1"	20' 2"	28' 6"	24' 8"	20' 0"
1400S162-118	50	25' 7"	22' 10"	18' 7"	26' 4"	22' 10"	18' 7"	23' 3"	21' 1"	18' 5"	26' 1"	22' 10"	18' 7"
1400S200-118	50	26' 7"	24' 2"	19' 11"	28' 1"	24' 4"	19' 11"	24' 2"	21' 11"	19' 2"	27' 1"	24' 4"	19' 11"
1400S250-118	50	27' 6"	25' 0"	20' 7"	29' 2"	25' 3"	20' 7"	25' 0"	22' 9"	19' 10"	28' 1"	25' 3"	20' 7"
1400S300-118	50	28' 5"	25' 10"	21' 1"	29' 10"	25' 10"	21' 1"	25' 10"	23' 6"	20' 6"	29' 0"	25' 10"	21' 1"
1400S350-118	50	29' 9"	27' 0"	23' 7"	33' 5"	29' 3"	23' 11"	27' 0"	24' 7"	21' 5"	30' 4"	27' 7"	23' 11"
1600S162-68	50	18' 2"	15' 9"	12' 6"	16' 1"	12' 11"	9' 3"	18' 2"	15' 9"	12' 6"	16' 1"	12' 11"	9' 3"
1600S200-68	50	19' 9"	17' 1"	12' 6"	16' 7"	13' 2"	9' 4"	19' 9"	17' 1"	12' 6"	16' 7"	13' 2"	9' 4"
1600S250-68	50	20' 7"	17' 10"	12' 6"	16' 7"	13' 3"	9' 4"	20' 7"	17' 10"	12' 6"	16' 7"	13' 3"	9' 4"
1600S300-68	50	21' 2"	18' 4"	12' 6"	16' 9"	13' 4"	9' 5"	21' 2"	18' 4"	12' 6"	16' 9"	13' 4"	9' 5"
1600S350-68	50	23' 8"	18' 9"	12' 6"	17' 6"	13' 9"	9' 7"	23' 8"	18' 9"	12' 6"	17' 6"	13' 9"	9' 7"
1600S162-97	50	24' 0"	20' 10"	17' 0"	24' 0"	20' 10"	16' 10"	24' 0"	20' 10"	17' 0"	24' 0"	20' 10"	16' 10"
1600S200-97	50	25' 10"	22' 4"	18' 3"	25' 10"	22' 4"	17' 8"	25' 2"	22' 4"	18' 3"	25' 10"	22' 4"	17' 8"
1600S250-97	50	26' 10"	23' 3"	19' 0"	26' 10"	23' 2"	18' 2"	26' 1"	23' 3"	19' 0"	26' 10"	23' 2"	18' 2"
1600S300-97	50	27' 7"	23' 11"	19' 6"	27' 7"	23' 9"	18' 7"	26' 11"	23' 11"	19' 6"	27' 7"	23' 9"	18' 7"
1600S350-97	50	30' 6"	26' 5"	21' 7"	29' 7"	25' 0"	19' 6"	28' 2"	25' 6"	21' 7"	29' 7"	25' 0"	19' 6"
1600S162-118	50	28' 0"	24' 3"	19' 9"	28' 0"	24' 3"	19' 9"	26' 1"	23' 8"	19' 9"	28' 0"	24' 3"	19' 9"
1600S200-118	50	29' 8"	25' 11"	21' 2"	29' 11"	25' 11"	21' 2"	27' 1"	24' 7"	21' 2"	29' 11"	25' 11"	21' 2"
1600S250-118	50	30' 8"	27' 0"	22' 0"	31' 2"	27' 0"	22' 0"	28' 0"	25' 5"	22' 0"	31' 2"	27' 0"	22' 0"
1600S300-118	50	31' 8"	27' 8"	22' 7"	32' 0"	27' 8"	22' 7"	28' 10"	26' 2"	22' 7"	32' 0"	27' 8"	22' 7"
1600S350-118	50	33' 1"	30' 0"	24' 10"	35' 1"	30' 5"	24' 8"	30' 1"	27' 4"	23' 10"	33' 9"	30' 5"	24' 8"

"e" web stiffeners required at ends.

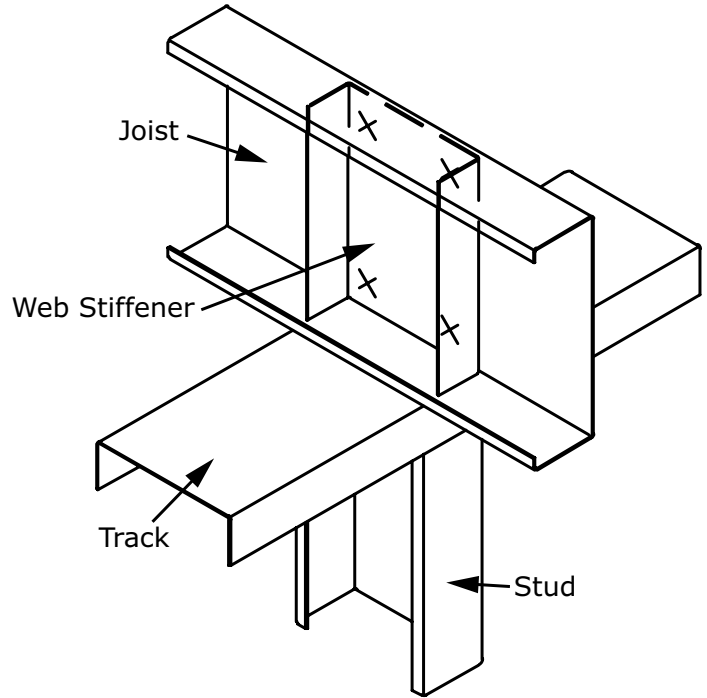
Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.

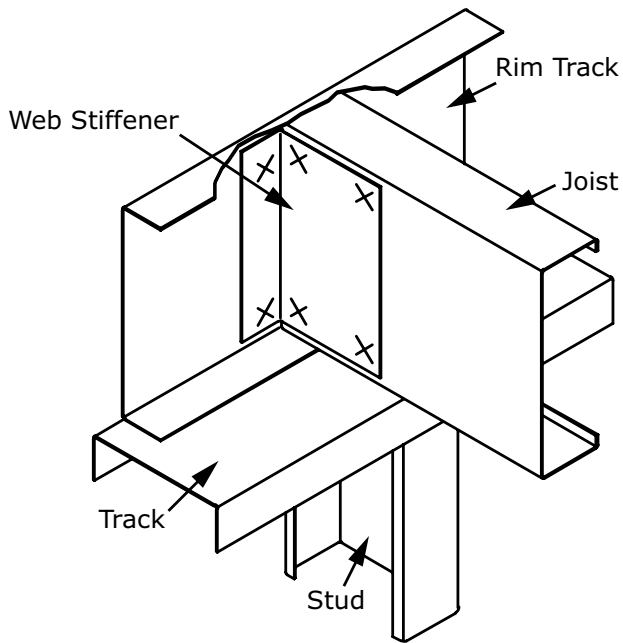
**General Note:**  
All connections should be designed by a licensed design professional.



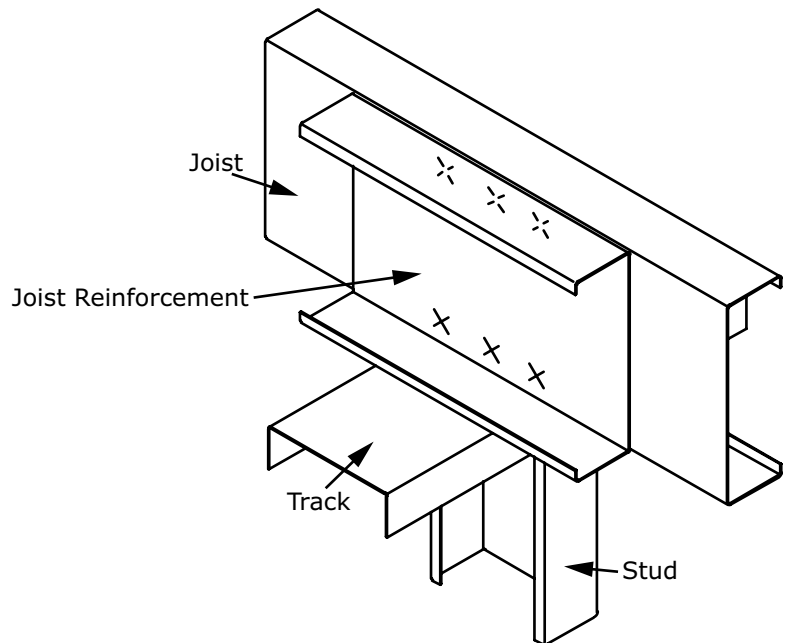
**Stud Stiffener on Back of Joist**



**Track Stiffener Inside Joist**



**Clip Angle Stiffener on Back of Joist**

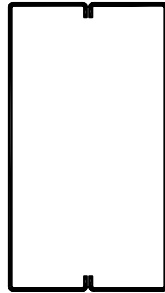


**Web Reinforcement - Double Web**  
*(use back-to-back web crippling tables)*

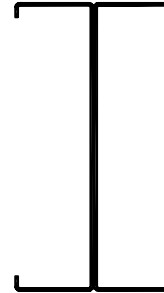


## Table Notes

1. Values are for unpunched members.
2. Total load deflection is limited to L/360.
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. Web crippling check is based on 1" of bearing at end supports.
6. Members are assumed adequately braced for bending.
7. Allowable loads are for simply supported headers with uniform bending loads only.
8. See page 5 for additional table notes.



**Boxed Header**



**Back-to-Back Header**

Header Allowable Uniform Loads (PLF)								
Section	Yield Strength (ksi)	Span						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
550S162-33	33	931.4e	698.5e	460.1e	319.5e	179.7e	115.0e	73.8e
550S162-43	33	1946.5e	1094.9e	700.8e	486.6e	273.7e	164.6e	95.3e
550S162-54	50	3484.7e	1960.1e	1254.5e	871.2e	396.8e	203.2	117.6
550S162-68	50	4782.6e	2690.2e	1721.7e	1157.8e	488.5e	250.1	144.7
600S137-33	33	850.8e	638.1e	436.5e	303.1e	170.5e	109.1e	75.8e
600S162-33	33	850.8e	638.1e	504.9e	350.6e	197.2e	126.2e	87.6e
600S200-33	33	850.8e	638.1e	510.5e	398.7e	224.2e	143.5e	99.7e
600S137-43	33	1751.1e	985.0e	630.4e	437.8e	246.3e	157.6e	103.2e
600S162-43	33	1887.6e	1205.1e	771.3e	535.6e	301.3e	192.8e	117.1e
600S200-43	33	1887.6e	1282.4e	820.7e	569.9e	320.6e	205.2e	135.7e
600S250-43	33	1887.6e	1350.7e	864.4e	600.3e	337.7e	216.1e	150.1e
600S137-54	50	3146.8e	1770.1e	1132.9e	786.7e	429.8e	220.1	127.3
600S162-54	50	3763.8e	2158.3e	1381.3e	959.3e	488.3e	250.0e	144.7
600S200-54	50	3763.8e	2281.9e	1460.4e	1014.2e	566.7e	290.1e	167.9
600S250-54	50	3763.8e	2392.7e	1531.4e	1063.4e	598.2e	329.1e	190.5
600S137-68	50	4280.5e	2407.8e	1541.0e	1070.1e	528.3e	270.5	156.5
600S162-68	50	5288.3e	2974.7e	1903.8e	1322.1e	601.7e	308.1	178.3
600S200-68	50	5880.1e	3307.5e	2116.8e	1470.0e	700.0e	358.4	207.4
600S250-68	50	5788.2e	3255.8e	2083.7e	1447.0e	806.3e	412.8e	238.9
600S137-97	50	7526.5e	4233.7e	2709.5e	1694.8e	715	366.1	211.8
600S162-97	50	8403.7e	4727.1e	3025.3e	1941.3e	819	419.3	242.7
600S200-97	50	9432.6e	5305.9e	3395.7e	2270.9e	958.0e	490.5	283.9
600S250-97	50	9898.1e	5567.7e	3563.3e	2474.5e	1109.0e	567.8	328.6
600S137-118	50	9138.7e	5140.5e	3289.9e	1987.9e	838.7	429.4	248.5
600S162-118	50	10212.8e	5744.7e	3676.6e	2287.3e	965	494.1	285.9
600S200-118	50	11620.3e	6536.4e	4183.3e	2687.4e	1133.7	580.5	335.9
600S250-118	50	12729.2e	7160.2e	4582.5e	3121.2e	1316.7e	674.2	390.1
800S137-33	33	632.0e	474.0e	379.2e	316.0e	223.2e	142.8e	99.2e
800S162-33	33	632.0e	474.0e	379.2e	316.0e	237.0e	168.1e	116.7e
800S200-33	33	632.0e	474.0e	379.2e	316.0e	237.0e	189.6e	134.5e
800S137-43	33	1401.5e	1051.2e	840.9e	584.3e	328.7e	210.3e	146.1e
800S162-43	33	1401.5e	1051.2e	840.9e	678.8e	381.8e	244.4e	169.7e
800S200-43	33	1401.5e	1051.2e	840.9e	700.8e	437.2e	279.8e	194.3e
800S250-43	33	1401.5e	1051.2e	840.9e	700.8e	459.5e	294.1e	204.2e
800S137-54	50	2788.4e	2091.3e	1518.3e	1054.4e	593.1e	379.6e	251.6e
800S162-54	50	2788.4e	2091.3e	1673.0e	1215.2e	683.6e	437.5e	283.3e
800S200-54	50	2788.4e	2091.3e	1673.0e	1384.1e	778.6e	498.3e	332.5e
800S250-54	50	2788.4e	2091.3e	1673.0e	1394.2e	815.2e	521.7e	362.3e
800S137-68	50	5627.6e	3297.6e	2110.4e	1465.6e	824.4e	527.6e	317.9e
800S162-68	50	5627.6e	3759.1e	2405.8e	1670.7e	939.8e	601.4e	357.6e
800S200-68	50	5627.6e	4220.7e	2917.3e	2025.9e	1139.6e	711.5e	411.8e
800S250-68	50	5627.6e	4220.7e	2866.9e	1990.9e	1119.9e	716.7e	467.4e
800S137-97	50	9468.1e	5325.8e	3408.5e	2367.0e	1331.5e	751.5e	434.9
800S162-97	50	10657.1e	5994.6e	3836.6e	2664.3e	1498.7e	849.0e	491.3
800S200-97	50	13297.5e	7479.8e	4787.1e	3324.4e	1870.0e	979.3e	566.7
800S250-97	50	13839.9e	7785.0e	4982.4e	3460.0e	1946.2e	1117.9e	646.9e
800S137-118	50	14157.3e	7963.5e	5096.6e	3539.3e	1732.3e	886.9	513.3
800S162-118	50	15589.2e	8768.9e	5612.1e	3897.3e	1964.0e	1005.5e	581.9
800S200-118	50	17414.8e	9795.8e	6269.3e	4353.7e	2273.2e	1163.9e	673.5
800S250-118	50	18210.1e	10243.2e	6555.6e	4552.5e	2560.8e	1332.2e	771

*"e" web stiffeners required at ends.*



## Header Allowable Uniform Loads (PLF)

Section	Yield Strength (ksi)	Span						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
1000S137-43	33	1114.6e	835.9e	668.7e	557.3e	397.8e	254.6e	176.8e
1000S162-43	33	1114.6e	835.9e	668.7e	557.3e	418.0e	299.9e	208.2e
1000S200-43	33	1114.6e	835.9e	668.7e	557.3e	418.0e	334.4e	242.1e
1000S250-43	33	1114.6e	835.9e	668.7e	557.3e	418.0e	334.4e	256.2e
1000S137-54	50	2214.5e	1660.8e	1328.7e	1107.2e	721.1e	461.5e	320.5e
1000S162-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	538.3e	373.8e
1000S200-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	621.6e	431.6e
1000S250-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	655.5e	455.2e
1000S137-68	50	4460.5e	3345.4e	2611.5e	1813.5e	1020.1e	652.9e	453.4e
1000S162-68	50	4460.5e	3345.4e	2676.3e	2087.2e	1174.0e	751.4e	521.8e
1000S200-68	50	4460.5e	3345.4e	2676.3e	2230.3e	1343.8e	860.0e	597.2e
1000S250-68	50	4460.5e	3345.4e	2676.3e	2230.3e	1419.4e	908.4e	630.8e
1000S137-97	50	12117.7e	6816.2e	4362.4e	3029.4e	1704.1e	1090.6e	757.4e
1000S162-97	50	13151.6e	7712.9e	4936.2e	3427.9e	1928.2e	1234.1e	857.0e
1000S200-97	50	13151.6e	8727.6e	5585.7e	3878.9e	2181.9e	1396.4e	969.7e
1000S250-97	50	13151.6e	9863.7e	6407.1e	4449.4e	2502.8e	1601.8e	1104.1e
1000S137-118	50	15854.9e	8918.4e	5707.8e	3963.7e	2229.6e	1426.9e	910.9e
1000S162-118	50	17827.7e	10028.1e	6418.0e	4456.9e	2507.0e	1604.5e	1020.2e
1000S200-118	50	20110.4e	11312.1e	7239.8e	5027.6e	2828.0e	1809.9e	1166.0e
1000S250-118	50	21646.1e	13316.3e	8522.4e	5918.4e	3329.1e	2130.6e	1319.2e
1200S137-54	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	529.9e	368.0e
1200S162-54	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e	432.9e
1200S200-54	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e	459.1e
1200S250-54	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e	459.1e
1200S137-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1187.3e	759.9e	527.7e
1200S162-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1377.9e	881.8e	612.4e
1200S200-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1385.4e	1020.7e	708.8e
1200S250-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1385.4e	1087.9e	755.5e
1200S137-97	50	10862.7e	8144.0e	5212.1e	3619.5e	2036.0e	1303.0e	904.9e
1200S162-97	50	10862.7e	8147.0e	5936.1e	4122.3e	2318.8e	1484.0e	1030.6e
1200S200-97	50	10862.7e	8147.0e	6517.6e	4698.7e	2643.0e	1691.5e	1174.7e
1200S250-97	50	10862.7e	8147.0e	6517.6e	5013.8e	2820.3e	1805.0e	1253.5e
1200S137-118	50	19323.9e	10869.7e	6956.6e	4831.0e	2717.4e	1739.1e	1207.7e
1200S162-118	50	19980.7e	12269.5e	7852.5e	5453.1e	3067.4e	1963.1e	1363.3e
1200S200-118	50	19980.7e	13900.1e	8896.1e	6177.8e	3475.0e	2224.0e	1544.5e
1200S250-118	50	19980.7e	14880.8e	9523.7e	6613.7e	3720.2e	2380.9e	1653.4e
1200S300-118	50	19980.7e	14985.5e	10756.0e	7469.4e	4201.6e	2689.0e	1867.4e
1200S350-118	50	19980.7e	14985.5e	11988.4e	8850.4e	4978.3e	3186.1e	2212.6e
1400S162-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e	392.2e
1400S200-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e	392.2e
1400S250-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e	392.2e
1400S300-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e	392.2e
1400S350-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e	392.2e
1400S162-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e	690.3e
1400S200-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e	788.2e
1400S250-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e	788.2e
1400S300-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e	788.2e
1400S350-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e	788.2e
1400S162-97	50	9252.4e	6939.3e	5551.4e	4626.2e	2665.9e	1706.2e	1184.8e
1400S200-97	50	9252.4e	6939.3e	5551.4e	4626.2e	3062.0e	1959.7e	1360.9e
1400S250-97	50	9252.4e	6939.3e	5551.4e	4626.2e	3290.4e	2105.8e	1462.4e
1400S300-97	50	9252.4e	6939.3e	5551.4e	4626.2e	3446.8e	2206.0e	1531.9e
1400S350-97	50	9252.4e	6939.3e	5551.4e	4626.2e	3469.6e	2683.4e	1863.5e
1400S162-118	50	16993.8e	12745.4e	9153.4e	6356.5e	3575.5e	2288.3e	1589.1e
1400S200-118	50	16993.8e	12745.4e	10196.3e	7245.3e	4075.5e	2608.3e	1811.3e
1400S250-118	50	16993.8e	12745.4e	10196.3e	7793.3e	4383.7e	2805.6e	1948.3e
1400S300-118	50	16993.8e	12745.4e	10196.3e	8178.0e	4600.1e	2944.1e	2044.5e
1400S350-118	50	16993.8e	12745.4e	10196.3e	8496.9e	5892.6e	3771.3e	2618.9e
1600S162-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e	687.4e
1600S200-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e	687.4e
1600S250-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e	687.4e
1600S300-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e	687.4e
1600S350-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e	687.4e
1600S162-97	50	8057.9e	6043.4e	4834.7e	4028.9e	2975.1e	1904.1e	1322.3e
1600S200-97	50	8057.9e	6043.4e	4834.7e	4028.9e	3021.7e	2199.8e	1527.7e
1600S250-97	50	8057.9e	6043.4e	4834.7e	4028.9e	3021.7e	2381.4e	1653.7e
1600S300-97	50	8057.9e	6043.4e	4834.7e	4028.9e	3021.7e	2417.4e	1743.7e
1600S350-97	50	8057.9e	6043.4e	4834.7e	4028.9e	3021.7e	2417.4e	2014.5e
1600S162-118	50	14783.8e	11087.9e	8870.3e	7175.0e	4035.9e	2583.0e	1793.8e
1600S200-118	50	14783.8e	11087.9e	8870.3e	7391.9e	4622.1e	2958.1e	2054.3e
1600S250-118	50	14783.8e	11087.9e	8870.3e	7391.9e	5001.5e	3201.0e	2222.9e
1600S300-118	50	14783.8e	11087.9e	8870.3e	7391.9e	5275.8e	3376.5e	2344.8e
1600S350-118	50	14783.8e	11087.9e	8870.3e	7391.9e	5543.9e	4061.0e	2820.1e

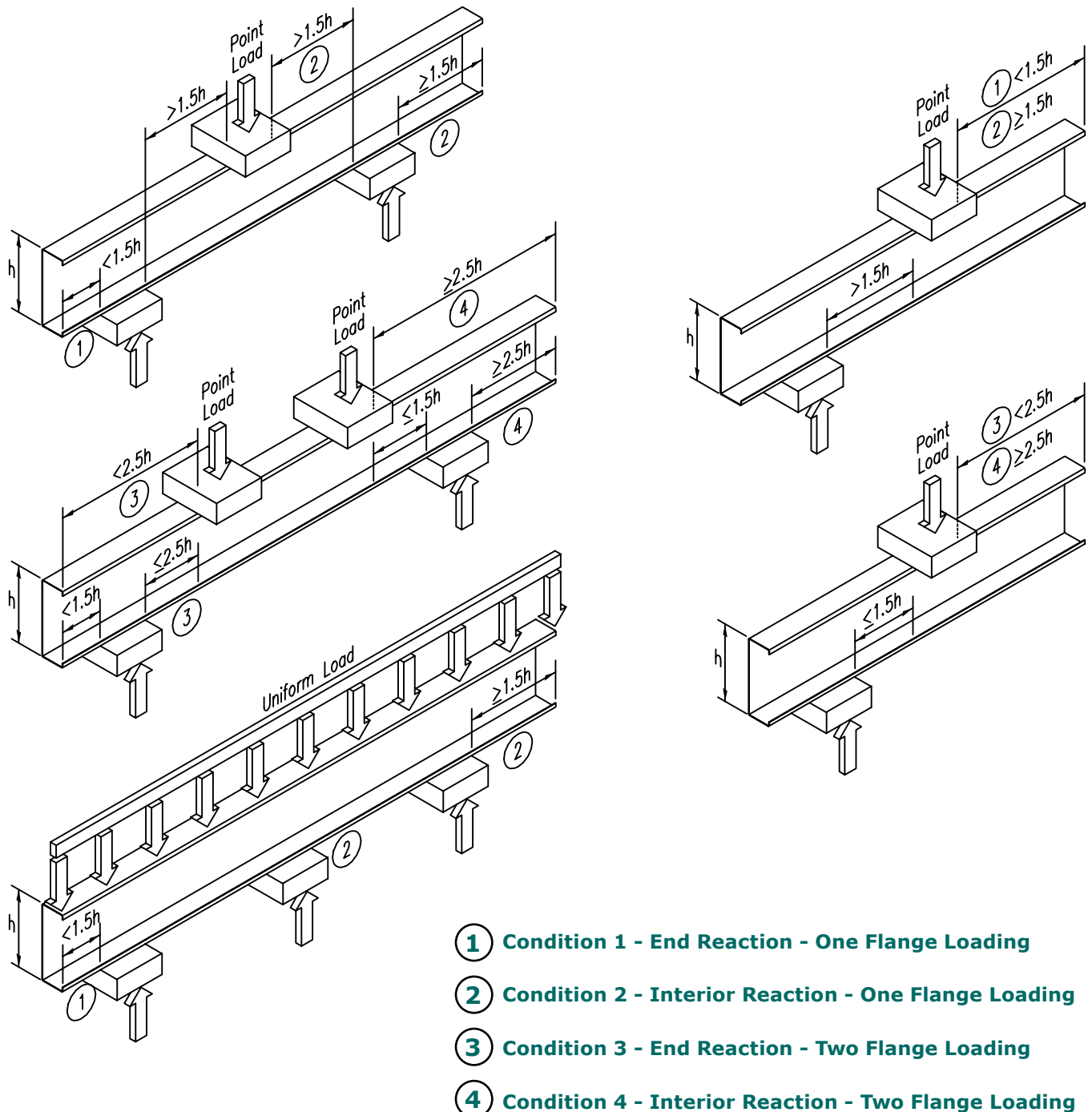
"e" web stiffeners required at ends.

See Table Notes on page 65.

## Table Notes

1. Listed allowable loads apply only to 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 AISI S100 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 AISI S100 Specification Section C3.4.2.
6. "h" refers to the flat dimension of the web. See Web Depth-to-Thickness Ratios table on page 6.
7. See page 5 for additional table notes.

## Web Crippling Conditions



## Allowable Web Crippling Loads (lbs) - Single Members (S-Sections)

Section	Design Thickness (in)	Mil Thickness (mil)	Fy (ksi)	Condition 1 Fasten to Support			Condition 2 Fasten to Support			Condition 3 Fasten to Support			Condition 4 Fasten to Support		
				Bearing Length (in)			Bearing Length (in)			Bearing Length (in)			Bearing Length (in)		
				1	3.5	6	1	3.5	6	1	3.5	6	1	3.5	6
162	0.0188	18	33	55	89 <sup>1</sup>	112 <sup>1,2</sup>	87	125 <sup>1</sup>	151 <sup>1,2</sup>	45	64 <sup>1</sup>	76 <sup>1,2</sup>	122	161 <sup>1</sup>	186 <sup>1,2</sup>
162	0.0312	30	33	148	233 <sup>1</sup>	290 <sup>1</sup>	269	373 <sup>1</sup>	442 <sup>1</sup>	137	185 <sup>1</sup>	217 <sup>1</sup>	356	452 <sup>1</sup>	516 <sup>1</sup>
162	0.0346	33	33	180	282 <sup>1</sup>	350 <sup>1</sup>	336	462 <sup>1</sup>	545 <sup>1</sup>	170	229 <sup>1</sup>	267 <sup>1</sup>	441	557 <sup>1</sup>	634 <sup>1</sup>
162	0.0451	43	33	298	459 <sup>1</sup>	566 <sup>1</sup>	589	793 <sup>1</sup>	929 <sup>1</sup>	297	390 <sup>1</sup>	452 <sup>1</sup>	764	946 <sup>1</sup>	1067 <sup>1</sup>
162	0.0566	54	50	677	1027 <sup>1</sup>	1260 <sup>1</sup>	1370	1812 <sup>1</sup>	2105 <sup>1</sup>	714	922 <sup>1</sup>	1061 <sup>1</sup>	1823	2222 <sup>1</sup>	2487 <sup>1</sup>
162	0.0713	68	50	1019	1522 <sup>1</sup>	1856 <sup>1</sup>	2100	2729 <sup>1</sup>	3147 <sup>1</sup>	1136	1443 <sup>1</sup>	1646 <sup>1</sup>	2880	3458 <sup>1</sup>	3842 <sup>1</sup>
250	0.0188	18	33	52	84	106 <sup>1,2</sup>	85	122	147 <sup>1,2</sup>	37	51	61 <sup>1,2</sup>	109	145	168 <sup>1,2</sup>
250	0.0312	30	33	141	223	277 <sup>1</sup>	264	365	433 <sup>1</sup>	119	161	189 <sup>1</sup>	330	420	479 <sup>1</sup>
250	0.0346	33	33	173	271	336 <sup>1</sup>	330	453	535 <sup>1</sup>	150	201	235 <sup>1</sup>	411	519	591 <sup>1</sup>
250	0.0451	43	33	287	443	547 <sup>1</sup>	580	780	913 <sup>1</sup>	267	351	407 <sup>1</sup>	720	892	1006 <sup>1</sup>
250	0.0566	54	50	656	996	1222 <sup>1</sup>	1350	1785	2075 <sup>1</sup>	652	842	968 <sup>1</sup>	1730	2109	2361 <sup>1</sup>
250	0.0713	68	50	990	1480	1805 <sup>1</sup>	2073	2693	3106 <sup>1</sup>	1049	1333	1521 <sup>1</sup>	2750	3302	3669 <sup>1</sup>
250	0.1017	97	50	1872	2726	3293 <sup>1</sup>	4025	5095	5805 <sup>1</sup>	2167	2683	3026 <sup>1</sup>	5597	6575	7225 <sup>1</sup>
350	0.0188	18	33	49	80	100 <sup>2</sup>	83	119	143 <sup>2</sup>	28	40	48 <sup>2</sup>	98	130	150 <sup>2</sup>
350	0.0312	30	33	135	214	266	259	359	425	103	139	163	306	389	445
350	0.0346	33	33	166	260	323	324	445	526	131	175	205	384	484	551
350	0.0451	43	33	278	428	528	571	768	900	240	315	365	680	842	949
350	0.0566	54	50	637	967	1186	1331	1761	2046	594	768	883	1645	2005	2245
350	0.0713	68	50	965	1441	1758	2047	2660	3068	970	1232	1406	2631	3159	3510
350	0.1017	97	50	1831	2666	3220 <sup>1</sup>	3983	5041	5745 <sup>1</sup>	2035	2520	2842 <sup>1</sup>	5397	6339	6965 <sup>1</sup>
362	0.0188	18	33	49	79	99 <sup>2</sup>	82	119	143 <sup>2</sup>	27	39	46 <sup>2</sup>	97	128	149 <sup>2</sup>
362	0.0312	30	33	135	213	265	258	358	424	101	136	160	304	386	441
362	0.0346	33	33	165	259	322	323	444	525	129	173	202	381	480	547
362	0.0451	43	33	277	427	526	570	767	898	236	311	360	675	836	943
362	0.0566	54	50	634	963	1182	1329	1758	2043	588	760	874	1635	1994	2232
362	0.0713	68	50	962	1437	1752	2044	2657	3064	961	1221	1393	2618	3143	3492
362	0.1017	97	50	1827	2659	3212	3978	5035	5738	2020	2501	2821	5374	6313	6936
400	0.0312	30	33	133	210	261	257	356	421	95	129	151	296	376	429
400	0.0346	33	33	163	256	317	322	442	522	122	164	192	372	469	534
400	0.0451	43	33	274	422	520	567	763	893	227	299	346	662	819	924
400	0.0566	54	50	628	954	1170	1323	1750	2034	569	735	846	1607	1960	2194
400	0.0713	68	50	953	1424	1737	2036	2646	3051	936	1188	1356	2579	3096	3440
400	0.1017	97	50	1814	2640	3189	3965	5018	5718	1978	2448	2761	5309	6236	6852
550	0.0312	30	33	126	199	248	251	348	412	76	103	120	268	341	389
550	0.0346	33	33	155	243	302	315	432	511	100	134	157	339	428	487
550	0.0451	43	33	262	405	499	556	749	877	195	256	297	614	760	858
550	0.0566	54	50	606	920	1128	1302	1722	2001	502	649	746	1508	1838	2058
550	0.0713	68	50	923	1380	1683	2007	2688	3007	844	1071	1223	2441	2931	3256
550	0.1017	97	50	1766	2571	3106	3917	4957	5648	1826	2261	2550	5078	5965	6555
600	0.0312	30	33	124	196	243	249	345	409	70	95	111	260	330	377
600	0.0346	33	33	153	240	297	313	430	507	93	125	146	329	416	473
600	0.0451	43	33	259	400	493	553	745	872	185	243	282	600	743	838
600	0.0566	54	50	599	909	1116	1295	1713	1991	482	623	716	1478	1802	2017
600	0.0713	68	50	914	1366	1666	1998	2596	2994	816	1036	1183	2399	2881	3201
600	0.1017	97	50	1752	2551	3081	3902	4939	5628	1781	2205	2487	5010	5885	6466
600	0.1242	118	50	2528	3625	4354	5698	7108	8046	2734	3339	3741	7555	8772	9581
800	0.0451	43	33	247	381	470	542	730	854	150	197	228	548	678	765
800	0.0566	54	50	575	872	1070	1272	1682	1955	409	529	608	1370	1670	1869
800	0.0713	68	50	882	1318	1607	1966	2555	2946	716	910	1038	2250	2701	3001
800	0.1017	97	50	1702	2477	2992	3850	4873	5553	1618	2003	2259	4761	5593	6145
800	0.1242	118	50	2462	3531	4241	5629	7023	7949	2518	3075	3445	7223	8387	9160
1000	0.0566	54	50	553	840	1031	1251	1655	1923	346	447	514	1275	1554	1740
1000	0.0713	68	50	854	1275	1555	1938	2518	2904	629	799	912	2119	2544	2826
1000	0.1017	97	50	1657	2412	2914	3805	4815	5487	1476	1827	2060	4545	5338	5866
1000	0.1242	118	50	2405	3449	4143	5569	6948	7864	2330	2845	3187	6934	8051	8794
1200	0.0713	68	50	828	1237	1509	1913	2485	2866	551	699	798	2001	2402	2669
1200	0.1017	97	50	1618	2355	2844	3764	4764	5428	1348	1668	1882	4350	5109	5614
1200	0.1242	118	50	2354	3375	4054	5515	6881	7788	2161	2638	2956	6675	7750	8465
1400	0.0713	68	50	805	1202	1466	1889	2455	2831	479	608	694	1892	2272	2525
1400	0.1017	97	50	1581	2301	2780	3726	4716	5374	1230	1523	1718	4171	4900	5384
1400	0.1242	118	50	2307	3308	3973	5466	6819	7719	2006	2449	2744	6437	7474	8164
1600	0.1017	97	50	1547	2252	2721	3692	4673	5324	1121	1388	1566	4005	4705	5170
1600	0.1242	118	50	2263	3245	3898	5420	6762	7654	1862	2274	2548	6217	7219	7884

<sup>1</sup> Bearing length to web height ratio, N/h exceeds limit of 2.

<sup>2</sup> Bearing length to thickness ratio, N/t exceeds limit of 210.

See Table Notes and figures on page 67.

## Table Notes

1. Listed allowable loads apply only to S-Sections.
2. Listed allowable loads are based on members fastened to supports.
3. "h" refers to the flat dimension of the web. See Web Depth-to-Thickness Ratios table on page 6.
4. 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 AISI S100 Specification Section C3.4.2.
5. See page 5 for additional table notes.

SUPREME Allowable Loads (lbs) - Single Members															
Section (h)	Design Thickness (in)	Thickness (mil)	Fy (ksi)	Condition 1 Fasten to Support Bearing Length (in)			Condition 2 Fasten to Support Bearing Length (in)			Condition 3 Fasten to Support Bearing Length (in)			Condition 4 Fasten to Support Bearing Length (in)		
				1	3.5	6	1	3.5	6	1	3.5	6	1	3.5	6
				162	0.0188	D20	57	95	155	194	150	216	260	78	110
162	0.0235	D24	57	147	237	296	250	353	422	128	177	210	338	439	506
250	0.0188	D20	57	90	146	183	146	211	254	63	89	106	189	250	290
250	0.0235	D24	57	140	225	281	244	345	413	108	149	176	309	401	463
250	0.0295	33EQS	57	219	347	432	403	561	666	181	246	289	505	645	738
250	0.0400	43EQS	57	396	615	761	783	1063	1250	356	473	550	969	1210	1370
350	0.0188	D20	57	85	138	173	143	206	247	49	69	82	169	224	260
350	0.0235	D24	57	133	214	267	239	338	404	88	122	145	282	366	422
350	0.0295	33EQS	57	209	332	413	396	550	653	155	210	247	468	597	683
350	0.0400	43EQS	57	382	593	734	770	1046	1230	316	419	488	910	1136	1286
362	0.0188	D20	57	84	137	142	142	205	247	47	67	80	167	221	257
362	0.0235	D24	57	132	213	266	238	337	403	86	119	141	279	362	417
362	0.0295	33EQS	57	208	330	411	395	549	652	152	206	243	463	592	677
362	0.0400	43EQS	57	380	591	731	769	1044	1227	311	413	481	903	1128	1277
400	0.0235	D24	57	130	209	261	236	334	400	80	110	131	270	351	404
400	0.0295	33EQS	57	205	325	405	392	546	648	143	195	229	451	576	659
400	0.0400	43EQS	57	376	584	722	764	1039	1221	298	395	460	884	1103	1249
550 <sup>1</sup>	0.0235	D24	57	122	196	245	230	326	389	57	79	94	238	309	357
550	0.0295	33EQS	57	194	308	384	383	533	633	112	152	179	407	519	594
550	0.0400	43EQS	57	359	558	690	749	1018	1197	251	332	387	814	1017	1151
600 <sup>1</sup>	0.0235	D24	57	107	192	240	228	323	386	50	70	83	229	297	342
600	0.0295	33EQS	57	191	303	377	380	529	628	103	140	164	393	502	574
600	0.0400	43EQS	57	354	550	681	745	1012	1190	236	314	365	793	991	1122
800	0.0400	43EQS	57	336	522	646	729	990	1164	185	245	285	718	897	1015

<sup>1</sup>Bearing length to web height ratio, N/h exceeds limit of 2.

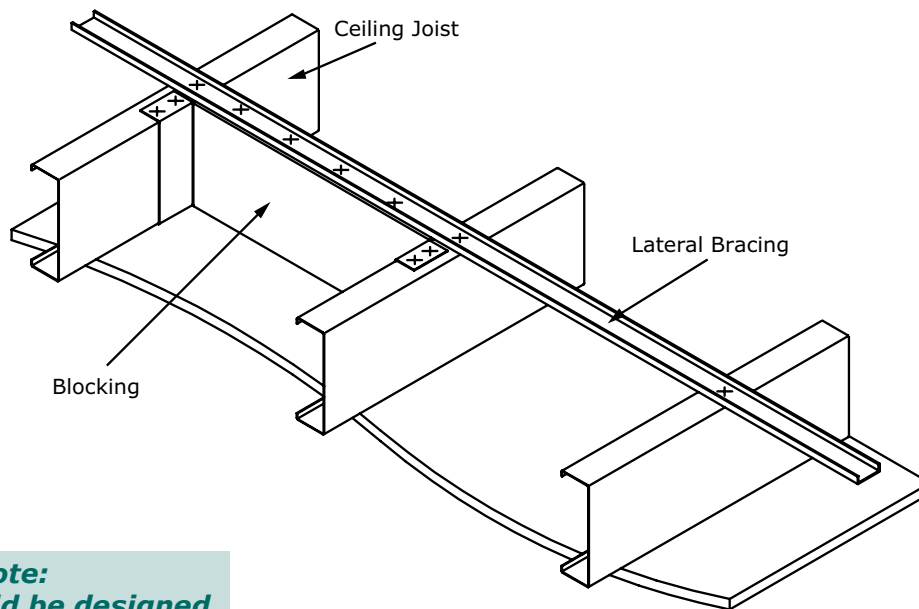
See figures on page 67.

## Allowable Web Crippling Loads (lbs) - Back-to-Back Members (S-Sections)

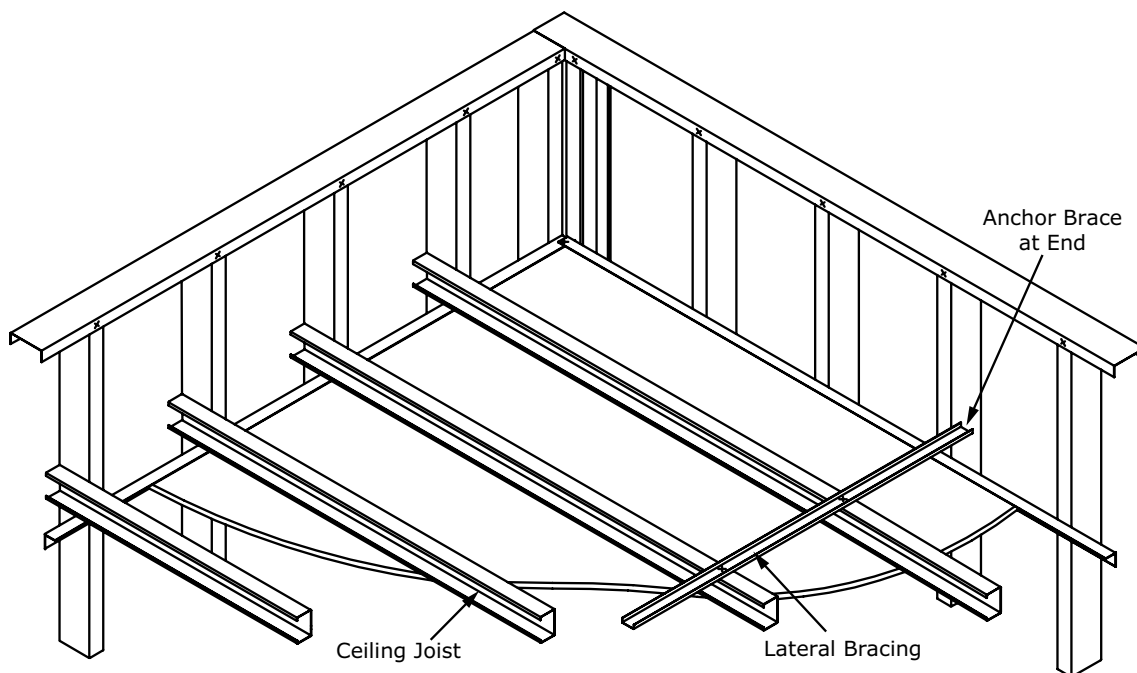
Section	Design Thickness (in)	Mil Thickness (mil)	F <sub>y</sub> (ksi)	Condition 1 Fasten to Support			Condition 2 Fasten to Support			Condition 3 Unfasten to Support			Condition 4 Unfasten to Support		
				Bearing Length (in)			Bearing Length (in)			Bearing Length (in)			Bearing Length (in)		
				1	3.5	6	1	3.5	6	1	3.5	6	1	3.5	6
162	0.0188	18	33	247	392 <sup>1</sup>	488 <sup>1,2</sup>	312	434 <sup>1</sup>	514 <sup>1,2</sup>	151	200 <sup>1</sup>	232 <sup>1,2</sup>	305	403 <sup>1</sup>	468 <sup>1,2</sup>
162	0.0283	27	33	535	826 <sup>1</sup>	1020 <sup>1,2</sup>	727	977 <sup>1</sup>	1144 <sup>1,2</sup>	368	472 <sup>1</sup>	540 <sup>1,2</sup>	771	987 <sup>1</sup>	1131 <sup>1,2</sup>
162	0.0312	30	33	642	985 <sup>1</sup>	1213 <sup>1</sup>	887	1183 <sup>1</sup>	1380 <sup>1</sup>	454	577 <sup>1</sup>	659 <sup>1</sup>	957	1216 <sup>1</sup>	1389 <sup>1</sup>
162	0.0346	33	33	779	1186 <sup>1</sup>	1457 <sup>1</sup>	1094	1448 <sup>1</sup>	1683 <sup>1</sup>	565	713 <sup>1</sup>	812 <sup>1</sup>	1200	1515 <sup>1</sup>	1724 <sup>1</sup>
162	0.0451	43	33	1275	1907 <sup>1</sup>	2327 <sup>1</sup>	1867	2422 <sup>1</sup>	2790 <sup>1</sup>	988	1223 <sup>1</sup>	1380 <sup>1</sup>	2132	2640 <sup>1</sup>	2978 <sup>1</sup>
162	0.0566	54	50	2875	4229 <sup>1</sup>	5128 <sup>1</sup>	4324	5515 <sup>1</sup>	6306 <sup>1</sup>	2377	2898 <sup>1</sup>	3244 <sup>1</sup>	5141	6267 <sup>1</sup>	7016 <sup>1</sup>
162	0.0713	68	50	4296	6211 <sup>1</sup>	7484 <sup>1</sup>	6630	8314 <sup>1</sup>	9433 <sup>1</sup>	3787	4548 <sup>1</sup>	5053 <sup>1</sup>	8191	9835 <sup>1</sup>	10928 <sup>1</sup>
250	0.0188	18	33	247	391 <sup>1</sup>	487 <sup>1,2</sup>	312	432 <sup>1</sup>	513 <sup>1,2</sup>	129	171 <sup>1</sup>	198 <sup>1,2</sup>	261	345 <sup>1</sup>	400 <sup>1,2</sup>
250	0.0283	27	33	534	825 <sup>1</sup>	1018 <sup>1,2</sup>	726	975 <sup>1</sup>	1141 <sup>1,2</sup>	329	421 <sup>1</sup>	482 <sup>1,2</sup>	688	881 <sup>1</sup>	1010 <sup>1,2</sup>
250	0.0312	30	33	641	983 <sup>1</sup>	1211 <sup>1</sup>	885	1181 <sup>1</sup>	1377 <sup>1</sup>	408	519 <sup>1</sup>	593 <sup>1</sup>	861	1094 <sup>1</sup>	1249 <sup>1</sup>
250	0.0346	33	33	777	1184 <sup>1</sup>	1454 <sup>1</sup>	1092	1445 <sup>1</sup>	1680 <sup>1</sup>	512	647 <sup>1</sup>	736 <sup>1</sup>	1088	1373 <sup>1</sup>	1562 <sup>1</sup>
250	0.0451	43	33	1273	1904 <sup>1</sup>	2323 <sup>1</sup>	1864	2418 <sup>1</sup>	2786 <sup>1</sup>	910	1127 <sup>1</sup>	1271 <sup>1</sup>	1964	2432 <sup>1</sup>	2743 <sup>1</sup>
250	0.0566	54	50	2871	4223 <sup>1</sup>	5121 <sup>1</sup>	4318	5507 <sup>1</sup>	6297 <sup>1</sup>	2213	2698 <sup>1</sup>	3020 <sup>1</sup>	4786	5835 <sup>1</sup>	6532 <sup>1</sup>
250	0.0713	68	50	4291	6203 <sup>1</sup>	7474 <sup>1</sup>	6621	8304 <sup>1</sup>	9421 <sup>1</sup>	3557	4271 <sup>1</sup>	4745 <sup>1</sup>	7692	9236 <sup>1</sup>	10263 <sup>1</sup>
250	0.1017	97	50	8011	11273 <sup>1</sup>	13440 <sup>1</sup>	12845	15714 <sup>1</sup>	17620 <sup>1</sup>	7342	8624 <sup>1</sup>	9477 <sup>1</sup>	15879	18652 <sup>1</sup>	20495 <sup>1</sup>
350	0.0188	18	33	246	390 <sup>1</sup>	486 <sup>1,2</sup>	311	432 <sup>1</sup>	512 <sup>1,2</sup>	109	144 <sup>1</sup>	167 <sup>1,2</sup>	220	291 <sup>1</sup>	338 <sup>1,2</sup>
350	0.0283	27	33	533	823 <sup>1</sup>	1016 <sup>1,2</sup>	724	974 <sup>1</sup>	1139 <sup>1,2</sup>	292	374 <sup>1</sup>	429 <sup>1,2</sup>	611	783 <sup>1</sup>	897 <sup>1,2</sup>
350	0.0312	30	33	640	981 <sup>1</sup>	1208 <sup>1</sup>	884	1179 <sup>1</sup>	1375 <sup>1</sup>	366	465 <sup>1</sup>	531 <sup>1</sup>	771	981 <sup>1</sup>	1120 <sup>1</sup>
350	0.0346	33	33	776	1182 <sup>1</sup>	1452 <sup>1</sup>	1090	1443 <sup>1</sup>	1677 <sup>1</sup>	463	585 <sup>1</sup>	665 <sup>1</sup>	984	1241 <sup>1</sup>	1412 <sup>1</sup>
350	0.0451	43	33	1272	1901 <sup>1</sup>	2320 <sup>1</sup>	1861	2414 <sup>1</sup>	2782 <sup>1</sup>	838	1037 <sup>1</sup>	1170 <sup>1</sup>	1808	2239 <sup>1</sup>	2525 <sup>1</sup>
350	0.0566	54	50	2867	4217 <sup>1</sup>	5114 <sup>1</sup>	4313	5500 <sup>1</sup>	6289 <sup>1</sup>	2062	2514 <sup>1</sup>	2814 <sup>1</sup>	4459	5436 <sup>1</sup>	6085 <sup>1</sup>
350	0.0713	68	50	4286	6196 <sup>1</sup>	7466 <sup>1</sup>	6614	8294 <sup>1</sup>	9410 <sup>1</sup>	3346	4018 <sup>1</sup>	4464 <sup>1</sup>	7236	8689 <sup>1</sup>	9654 <sup>1</sup>
350	0.1017	97	50	8003	11261 <sup>1</sup>	13427 <sup>1</sup>	12832	15698 <sup>1</sup>	17603 <sup>1</sup>	6986	8206 <sup>1</sup>	9017 <sup>1</sup>	15109	17747 <sup>1</sup>	19501 <sup>1</sup>
362	0.0188	18	33	246	390 <sup>1</sup>	486 <sup>1,2</sup>	311	431 <sup>1</sup>	511 <sup>1,2</sup>	107	141 <sup>1</sup>	164 <sup>1,2</sup>	215	285 <sup>1</sup>	330 <sup>1,2</sup>
362	0.0283	27	33	533	823 <sup>1</sup>	1015 <sup>1,2</sup>	724	973 <sup>1</sup>	1139 <sup>1,2</sup>	288	369 <sup>1</sup>	422 <sup>1,2</sup>	603	772 <sup>1</sup>	884 <sup>1,2</sup>
362	0.0312	30	33	640	981 <sup>1</sup>	1208 <sup>1</sup>	883	1179 <sup>1</sup>	1375 <sup>1</sup>	361	459 <sup>1</sup>	524 <sup>1</sup>	761	968 <sup>1</sup>	1105 <sup>1</sup>
362	0.0346	33	33	776	1182 <sup>1</sup>	1452 <sup>1</sup>	1090	1442 <sup>1</sup>	1677 <sup>1</sup>	458	578 <sup>1</sup>	657 <sup>1</sup>	972	1226 <sup>1</sup>	1395 <sup>1</sup>
362	0.0451	43	33	1271	1901 <sup>1</sup>	2319 <sup>1</sup>	1861	2414 <sup>1</sup>	2781 <sup>1</sup>	830	1027 <sup>1</sup>	1159 <sup>1</sup>	1790	2217 <sup>1</sup>	2501 <sup>1</sup>
362	0.0566	54	50	2867	4217 <sup>1</sup>	5113 <sup>1</sup>	4312	5499 <sup>1</sup>	6288 <sup>1</sup>	2045	2493 <sup>1</sup>	2790 <sup>1</sup>	4422	5391 <sup>1</sup>	6035 <sup>1</sup>
362	0.0713	68	50	4285	6195 <sup>1</sup>	7465 <sup>1</sup>	6613	8293 <sup>1</sup>	9409 <sup>1</sup>	3322	3989 <sup>1</sup>	4432 <sup>1</sup>	7185	8627 <sup>1</sup>	9585 <sup>1</sup>
362	0.1017	97	50	8002	11260 <sup>1</sup>	13425 <sup>1</sup>	12831	15697 <sup>1</sup>	17601 <sup>1</sup>	6946	8159 <sup>1</sup>	8965 <sup>1</sup>	15022	17646 <sup>1</sup>	19389 <sup>1</sup>
400	0.0283	27	33	533	822	1015 <sup>1,2</sup>	724	973	1138 <sup>1,2</sup>	276	353	405 <sup>1,2</sup>	577	739	847 <sup>1,2</sup>
400	0.0312	30	33	639	981	1208 <sup>1</sup>	883	1178	1374 <sup>1</sup>	347	441	504 <sup>1</sup>	732	931	1063 <sup>1</sup>
400	0.0346	33	33	776	1181	1451 <sup>1</sup>	1089	1442	1676 <sup>1</sup>	442	557	634 <sup>1</sup>	937	1183	1346 <sup>1</sup>
400	0.0451	43	33	1271	1900	2318 <sup>1</sup>	1860	2413	2780 <sup>1</sup>	806	998	1126 <sup>1</sup>	1739	2154	2429 <sup>1</sup>
400	0.0566	54	50	2866	4215	5111 <sup>1</sup>	4310	5497	6285 <sup>1</sup>	1995	2432	2723 <sup>1</sup>	4315	5260	5889 <sup>1</sup>
400	0.0713	68	50	4284	6193	7462 <sup>1</sup>	6610	8290	9406 <sup>1</sup>	3253	3906	4340 <sup>1</sup>	7036	8448	9387 <sup>1</sup>
400	0.1017	97	50	8000	11256 <sup>1</sup>	13421 <sup>1</sup>	12827	15691 <sup>1</sup>	17595 <sup>1</sup>	6830	8023 <sup>1</sup>	8816 <sup>1</sup>	14772	17352 <sup>1</sup>	19067 <sup>1</sup>
550	0.0283	27	33	531	821	1013 <sup>1,2</sup>	722	971	1136 <sup>1,2</sup>	233	298	341 <sup>1,2</sup>	487	624	715 <sup>1,2</sup>
550	0.0312	30	33	638	979	1205 <sup>1</sup>	881	1176	1371 <sup>1</sup>	298	378	432 <sup>1</sup>	627	798	911 <sup>1</sup>
550	0.0346	33	33	774	1179	1448 <sup>1</sup>	1087	1439	1673 <sup>1</sup>	384	484	551 <sup>1</sup>	815	1028	1170 <sup>1</sup>
550	0.0451	43	33	1269	1897	2314 <sup>1</sup>	1857	2409	2775 <sup>1</sup>	721	893	1007 <sup>1</sup>	1556	1927	2174 <sup>1</sup>
550	0.0566	54	50	2861	4208	5104 <sup>1</sup>	4304	5488	6276 <sup>1</sup>	1818	2217	2482 <sup>1</sup>	3933	4794	5367 <sup>1</sup>
550	0.0713	68	50	4278	6185	7452 <sup>1</sup>	6601	8278	9393 <sup>1</sup>	3008	3612	4013 <sup>1</sup>	6506	7812	8680 <sup>1</sup>
550	0.1017	97	50	7990	11243	13405 <sup>1</sup>	12812	15673	17575 <sup>1</sup>	6421	7543	8288 <sup>1</sup>	13888	16313	17925 <sup>1</sup>
600	0.0312	30	33	638	978	1204 <sup>1,2</sup>	881	1175	1370 <sup>1,2</sup>	283	359	410 <sup>1,2</sup>	596	757	865 <sup>1,2</sup>
600	0.0346	33	33	774	1178	1447 <sup>1</sup>	1086	1438	1672 <sup>1</sup>	366	462	526 <sup>1</sup>	778	982	1117 <sup>1</sup>
600	0.0451	43	33	1268	1896	2313 <sup>1</sup>	1856	2408	2774 <sup>1</sup>	696	862	972 <sup>1</sup>	1501	1859	2097 <sup>1</sup>
600	0.0566	54	50	2860	4207	5101 <sup>1</sup>	4302	5486	6273 <sup>1</sup>	1765	2152	2409 <sup>1</sup>	3818	4654	5210 <sup>1</sup>
600	0.0713	68	50	4276	6182	7449 <sup>1</sup>	6599	8275	9389 <sup>1</sup>	2935	3524	3915 <sup>1</sup>	6347	7621	8467 <sup>1</sup>
600	0.1017	97	50	7988	11240	13401 <sup>1</sup>	12808	15668	17569 <sup>1</sup>	6299	7399	8130 <sup>1</sup>	13623	16002	17583 <sup>1</sup>
600	0.1242	118	50	11392	15784	18703 <sup>1</sup>	18650	22513	25081 <sup>1</sup>	9616	11165	12195 <sup>1</sup>	20797	24147	26374 <sup>1</sup>
800	0.0451	43	33	1266	1892	2309	1853	2403	2769	603	747	843	1302	1613	1819
800	0.0566	54	50	2855	4200	5093	4295	5477	6263	1573	1918	2147	3402	4148	4643
800	0.0713	68	50	4270	6173	7438	6589	8263	9375	2669	3205	3561	5772	6931	7701
800	0.1017	97	50	7978	11226	13384	12792	15649	17547	5859	6882	7562	12671	14883	16354
800	0.1242	118	50	11379	15766	18682	18629	22488	25052	9028	10482	11449	19524	22670	24760
1000	0.0566	54	50	2851	4194	5086	4288	5469	6254	1405	1713	1917	3038	3704	4146
1000	0.0713	68	50	4264	6165	7428	6580	8252	9363	2437	2926	3251	5270	6327	7030
1000	0.1017	97	50	7969	11213	13369	12778	15631	17528	5474	6430	7065	11839	13906	15280
1000	0.1242	118	50	11368	15751	18663	18610	22466	25027	8515	9887	10798	18416	21383	23354
1200	0.0713	68	50	4259	6158	7419	6573	8243	9352	2227	2674	2971	4817	5784	6426
1200	0.1017	97	50	7961	11202	13356	12765	15616	17511	5128	6024	6619	11091	13028	14315
1200	0.1242	118	50	11358	15737	18647	18594	22446	25005	8055	9352	10215	17420	20227	22091
1400	0.0713	68	50	4255	6151	7411	6566	8234	9342	2035	2444	2715	4401	5285	5872
1400	0.1017	97	50	7954	11192	13344	12754	15602	17495	4811	5651	6210	10405	12223	13430
1400	0.1242	118	50	11349	15724	18631	18579	22427	24985	7633	8863	9680	16509	19168	20936
1600	0.1017	97	50	7947	11183	13333	1								

## Table Notes

1. Values are for simple span conditions.
2. For unbraced sections, allowable moment is based on the AISI S100 Section C3.1.2 with unbraced length assumed to be the listed span. For mid-span braced sections, allowable moment is based on AISI S100 Section C3.1.2 with unbraced length assumed to be half of the listed span.
3. Web crippling check is based on 1" of bearing at end supports.
4. For spans listed with "e", web stiffeners are required at end reactions.
5. Web crippling and shear capacity have **not** been reduced for punchouts. If web punchouts occur near supports, members must be checked for reduced shear and web crippling in accordance with the AISI S100.
6. Listed loads are total loads and have not been modified for strength or deflection calculations.
7. Allowable spans apply to pressures acting upwards or downwards on the surface of the ceiling/soffit.
8. See page 5 for additional table notes.



**General Note:**  
*All connections should be designed by a licensed design professional.*



# Ceiling/Soffit Spans (S-Sections)

## Interior Allowable Ceiling/Soffit Spans (S-Sections) - L/240

Section	Fy (ksi)	4 psf						6 psf						13 psf*					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan		
		Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		
	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	
162S125-18	33	7' 3"	6' 7"	5' 10"	8' 6"	7' 8"	6' 7"	6' 5"	5' 10"	5' 1"	7' 4"	6' 7"	5' 9"	5' 0"	4' 5"	3' 9"	5' 7"	4' 10"	3' 11"
162S125-30	33	9' 0"	8' 3"	7' 4"	10' 0"	9' 1"	7' 11"	8' 0"	7' 4"	6' 7"	8' 9"	7' 11"	6' 11"	6' 5"	5' 10"	5' 0"	6' 9"	6' 1"	5' 4"
162S125-33	33	9' 6"	8' 8"	7' 8"	10' 4"	9' 5"	8' 2"	8' 4"	7' 8"	6' 10"	9' 0"	8' 2"	7' 2"	6' 8"	6' 1"	5' 4"	7' 0"	6' 4"	5' 6"
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' 7"	10' 6"	9' 1"	7' 6"	6' 11"	6' 2"	10' 1"	9' 1"	7' 8"	6' 0"	5' 6"	4' 10"e	7' 5"	6' 3"e	5' 2"e
250S125-30	33	10' 1"	9' 3"	8' 3"	13' 10"	12' 7"	10' 11"	9' 0"	8' 3"	7' 5"	12' 1"	10' 11"	9' 7"	7' 3"	6' 8"	6' 0"	9' 4"	8' 5"	7' 3"
250S125-33	33	10' 6"	9' 8"	8' 7"	14' 3"	13' 0"	11' 4"	9' 4"	8' 7"	7' 8"	12' 6"	11' 4"	9' 11"	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' 4"	10' 5"	9' 7"	8' 6"	13' 7"	12' 4"	10' 9"	8' 4"	7' 8"	6' 10"	10' 6"	9' 6"	8' 4"
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' 10"	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"	9' 11"	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
350S125-30	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"
350S137-30	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' 1"	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
362S125-30	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"
362S137-30	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"	12' 8"	11' 8"	10' 5"	17' 11"	16' 7"	14' 9"	10' 3"	9' 5"	8' 6"	14' 5"	13' 2"	11' 5"
362S162-33	33	14' 8"	13' 7"	12' 2"	20' 10"	18' 11"	16' 6"	13' 2"	12' 2"	10' 11"	18' 2"	16' 6"	14' 5"	10' 8"	9' 11"	8' 11"	14' 1"	12' 9"	11' 2"
362S162-43	33	16' 2"	14' 11"	13' 4"	22' 8"	20' 7"	18' 0"	14' 5"	13' 4"	11' 11"	19' 10"	18' 0"	15' 9"	11' 8"	10' 9"	9' 8"	15' 4"	13' 11"	12' 2"
400S125-18	33	9' 6"e	8' 9"e	7' 10"e	13' 0"e	11' 11"e	10' 5"e	8' 6"e	7' 10"e	6' 11"e	11' 6"e	10' 5"e	8' 11"e	6' 9"e	6' 2"e	5' 6"e	8' 7"e	7' 8"e	6' 5"e
400S125-30	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' 9"
400S125-33	33	11' 9"	10' 10"	9' 8"	16' 7"	15' 3"	13' 8"	10' 6"	9' 8"	8' 8"	14' 9"	13' 8"	12' 2"	8' 6"	7' 10"	7' 0"	11' 11"	10' 11"	9' 4"
400S125-43	33	13' 0"	12' 0"	10' 8"	18' 3"	16' 10"	15' 0"	11' 7"	10' 8"	9' 6"	16' 3"	15' 0"	13' 5"	9' 4"	8' 7"	7' 8"	13' 1"	12' 0"	10' 7"
400S137-30	33	12' 9"	11' 10"	10' 7"	18' 2"	16' 10"	15' 1"	11' 5"	10' 7"	9' 6"	16' 4"	15' 1"	13' 5"	9' 3"	8' 7"	7' 9"	13' 1"	11' 10"	10' 1"
400S137-33	33	13' 3"	12' 3"	10' 11"	18' 9"	17' 4"	15' 7"	11' 10"	10' 11"	9' 10"	16' 10"	15' 7"	13' 11"	9' 7"	8' 11"	8' 0"	13' 7"	12' 4"	10' 8"
400S137-43	33	14' 7"	13' 6"	12' 0"	20' 7"	19' 0"	17' 0"	13' 0"	12' 0"	10' 9"	18' 4"	17' 0"	15' 2"	10' 6"	9' 8"	8' 8"	14' 10"	13' 7"	11' 10"
400S162-33	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"
400S162-43	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"
600S125-30	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"
600S137-30	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' 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' 8"	14' 9"e
600S162-43	33	18' 5"	17' 0"	15' 3"	26' 4"	24' 4"	21' 11"	16' 6"	15' 3"	13' 8"	23' 8"	21' 11"	19' 9"	13' 5"	12' 5"	11' 2"	19' 4"	17' 11"	16' 0"

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

"e" web stiffeners required at ends.

See Table Notes and figures on page 71.





# Ceiling/Soffit Spans (S-Sections)

## Exterior Allowable Ceiling/Soffit Spans (S-Sections) - L/240

Section	F <sub>y</sub> (ksi)	20 psf						25 psf						30 psf						
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange						
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan			
		Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	
250S137-33	33	7' 7"	7' 0"	6' 2"	8' 9"	7' 11"	6' 11"	7' 2"	6' 7"	5' 9"	8' 1"	7' 4"	6' 5"	6' 9"	6' 2"	5' 4"	7' 8"	6' 11"	5' 10"	e
250S137-43	33	8' 4"	7' 8"	6' 10"	9' 6"	8' 7"	7' 6"	7' 10"	7' 2"	6' 4"	8' 10"	8' 0"	7' 0"	7' 5"	6' 10"	5' 11"	8' 3"	7' 6"	6' 7"	
250S137-54	50	9' 1"	8' 4"	7' 5"	10' 2"	9' 3"	8' 1"	8' 6"	7' 10"	7' 0"	9' 5"	8' 7"	7' 6"	8' 1"	7' 5"	6' 8"	8' 10"	8' 1"	7' 0"	
250S137-68	50	10' 1"	9' 2"	8' 2"	10' 10"	9' 10"	8' 7"	9' 5"	8' 7"	7' 8"	10' 0"	9' 1"	8' 0"	8' 11"	8' 2"	7' 3"	9' 5"	8' 7"	7' 6"	
250S162-33	33	8' 9"	8' 0"	7' 0"	9' 2"	8' 4"	7' 3"	8' 2"	7' 5"	6' 5"	8' 6"	7' 9"	6' 9"	7' 8"	7' 0"	5' 11"	8' 0"	7' 3"	6' 3"	e
250S162-43	33	9' 6"	8' 9"	7' 8"	10' 0"	9' 1"	7' 11"	8' 11"	8' 2"	7' 1"	9' 3"	8' 5"	7' 4"	8' 5"	7' 8"	6' 7"	8' 8"	7' 11"	6' 11"	
250S162-54	50	10' 4"	9' 6"	8' 6"	10' 8"	9' 8"	8' 6"	9' 8"	8' 11"	7' 10"	9' 11"	9' 0"	7' 10"	9' 2"	8' 6"	7' 5"	9' 4"	8' 6"	7' 5"	
250S162-68	50	11' 4"	10' 4"	9' 0"	11' 5"	10' 4"	9' 0"	10' 7"	9' 7"	8' 5"	10' 7"	9' 7"	8' 5"	9' 11"	9' 0"	7' 11"	9' 11"	9' 0"	7' 11"	
250S200-33	33	9' 8"	8' 10"	7' 7"	9' 8"	8' 10"	7' 8"	9' 0"	8' 2"	6' 11"	e	9' 0"	8' 2"	7' 2"	e	8' 6"	7' 7"	6' 5"	e	
250S200-43	33	10' 7"	9' 7"	8' 4"	10' 7"	9' 7"	8' 4"	9' 10"	8' 11"	7' 9"	9' 10"	8' 11"	7' 9"	9' 3"	8' 4"	7' 4"	9' 3"	8' 4"	7' 4"	
250S200-54	50	11' 4"	10' 3"	9' 0"	11' 4"	10' 3"	9' 0"	10' 6"	9' 6"	8' 4"	10' 6"	9' 6"	8' 4"	9' 10"	9' 0"	7' 10"	9' 10"	9' 0"	7' 10"	
250S200-68	50	12' 1"	11' 0"	9' 7"	12' 1"	11' 0"	9' 7"	11' 3"	10' 2"	8' 11"	11' 3"	10' 2"	8' 11"	10' 7"	9' 7"	8' 4"	10' 7"	9' 7"	8' 4"	
362S137-33	33	8' 4"	7' 9"	6' 11"	11' 4"	10' 1"	8' 6"	7' 10"	7' 3"	6' 6"	10' 4"	9' 2"	7' 8"	7' 6"	6' 11"	6' 2"	9' 7"	8' 6"	7' 1"	e
362S137-43	33	9' 1"	8' 5"	7' 6"	12' 6"	11' 4"	9' 8"	8' 7"	7' 11"	7' 1"	11' 7"	10' 5"	8' 10"	8' 2"	7' 6"	6' 9"	10' 10"	9' 8"	8' 2"	
362S137-54	50	9' 10"	9' 1"	8' 1"	13' 6"	12' 4"	10' 9"	9' 3"	8' 6"	7' 7"	12' 7"	11' 5"	10' 0"	8' 9"	8' 1"	7' 3"	11' 10"	10' 9"	9' 5"	
362S137-68	50	10' 9"	9' 11"	8' 10"	14' 6"	13' 2"	11' 6"	10' 1"	9' 3"	8' 3"	13' 5"	12' 2"	10' 8"	9' 7"	8' 10"	7' 3"	12' 8"	11' 6"	10' 0"	
362S162-33	33	9' 6"	8' 10"	7' 10"	12' 2"	11' 1"	9' 3"	9' 0"	8' 4"	7' 4"	11' 4"	10' 1"	8' 4"	8' 7"	7' 11"	6' 11"	10' 6"	9' 3"	7' 8"	e
362S162-43	33	10' 4"	9' 7"	8' 7"	13' 3"	12' 0"	10' 6"	9' 9"	9' 0"	8' 0"	12' 4"	11' 2"	9' 8"	9' 3"	8' 7"	7' 7"	11' 7"	10' 6"	8' 11"	
362S162-54	50	11' 2"	10' 4"	9' 3"	14' 2"	12' 11"	11' 3"	10' 6"	9' 8"	8' 8"	13' 2"	12' 0"	10' 6"	10' 0"	9' 3"	8' 3"	12' 5"	11' 3"	9' 10"	
362S162-68	50	12' 2"	11' 3"	10' 0"	15' 2"	13' 10"	12' 1"	11' 5"	10' 6"	9' 5"	14' 1"	12' 10"	11' 2"	10' 10"	10' 0"	8' 11"	13' 3"	12' 1"	10' 6"	
362S200-33	33	11' 0"	10' 1"	8' 10"	12' 10"	11' 8"	9' 10"	10' 4"	9' 5"	8' 1"	11' 11"	10' 9"	8' 9"	9' 9"	8' 10"	7' 6"	11' 3"	9' 10"	8' 0"	e
362S200-43	33	12' 0"	11' 2"	9' 11"	14' 0"	12' 9"	11' 1"	11' 4"	10' 6"	9' 2"	13' 0"	11' 10"	10' 4"	10' 9"	9' 11"	8' 8"	12' 3"	11' 1"	9' 8"	e
362S200-54	50	12' 11"	11' 11"	10' 9"	15' 0"	13' 8"	11' 11"	12' 2"	11' 3"	10' 1"	13' 11"	12' 8"	11' 1"	11' 7"	10' 9"	9' 7"	13' 1"	11' 11"	10' 5"	
362S200-68	50	14' 1"	12' 11"	11' 7"	16' 1"	14' 7"	12' 9"	13' 2"	12' 2"	10' 10"	14' 11"	13' 7"	11' 10"	12' 6"	11' 7"	10' 4"	14' 0"	12' 9"	11' 2"	
400S137-33	33	8' 7"	7' 11"	7' 1"	11' 9"	10' 6"	8' 11"	8' 1"	7' 6"	6' 8"	10' 10"	9' 7"	8' 1"	7' 8"	7' 1"	6' 4"	10' 0"	8' 11"	7' 5"	e
400S137-43	33	9' 4"	8' 7"	7' 9"	13' 0"	11' 9"	10' 1"	8' 9"	8' 1"	7' 3"	12' 0"	10' 10"	9' 3"	8' 2"	7' 9"	6' 11"	11' 3"	10' 1"	8' 6"	
400S137-54	50	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 7"	9' 6"	8' 9"	7' 10"	13' 5"	12' 4"	10' 9"	9' 0"	8' 4"	7' 5"	12' 9"	11' 7"	10' 2"	
400S137-68	50	11' 0"	10' 2"	9' 0"	15' 4"	14' 2"	12' 5"	10' 4"	9' 6"	8' 5"	14' 5"	13' 2"	11' 6"	9' 10"	9' 0"	8' 0"	13' 8"	12' 5"	10' 10"	
400S162-33	33	9' 9"	9' 1"	8' 1"	13' 1"	11' 7"	9' 9"	9' 2"	8' 6"	7' 7"	11' 11"	10' 7"	8' 10"	8' 9"	8' 1"	7' 2"	11' 0"	9' 9"	8' 1"	e
400S162-43	33	10' 7"	9' 10"	8' 10"	14' 4"	13' 0"	11' 2"	10' 0"	9' 3"	8' 3"	13' 3"	12' 0"	10' 2"	9' 6"	8' 10"	7' 10"	12' 6"	11' 2"	9' 5"	e
400S162-54	50	11' 6"	10' 7"	9' 6"	15' 4"	13' 11"	12' 2"	10' 9"	10' 0"	8' 11"	14' 3"	12' 11"	11' 3"	10' 3"	9' 6"	8' 6"	13' 5"	12' 2"	10' 7"	
400S162-68	50	12' 6"	11' 6"	10' 3"	16' 5"	14' 11"	13' 0"	11' 9"	10' 9"	9' 7"	15' 3"	13' 10"	12' 1"	11' 1"	10' 3"	9' 2"	14' 4"	13' 0"	11' 4"	
400S200-33	33	11' 4"	10' 5"	9' 2"	13' 10"	12' 5"	10' 4"	10' 8"	9' 9"	8' 5"	12' 10"	11' 3"	9' 3"	10' 1"	9' 2"	7' 10"	11' 10"	10' 4"	8' 6"	e
400S200-43	33	12' 4"	11' 5"	9' 2"	15' 1"	13' 8"	12' 0"	11' 7"	10' 9"	9' 6"	14' 0"	12' 9"	11' 1"	11' 1"	10' 2"	9' 0"	13' 2"	12' 0"	10' 3"	e
400S200-54	50	13' 3"	12' 3"	11' 0"	16' 2"	14' 8"	12' 10"	12' 6"	11' 6"	10' 4"	15' 0"	13' 8"	11' 11"	11' 10"	11' 0"	9' 10"	14' 2"	12' 10"	11' 3"	
400S200-68	50	14' 5"	13' 3"	11' 10"	17' 4"	15' 9"	13' 9"	13' 6"	12' 6"	11' 2"	16' 1"	14' 7"	12' 9"	12' 10"	11' 10"	10' 7"	15' 2"	13' 9"	12' 0"	
400S250-43	33	14' 0"	12' 11"	11' 4"	15' 11"	14' 5"	12' 7"	13' 2"	12' 1"	10' 5"	14' 9"	13' 5"	11' 6"	12' 6"	11' 4"	9' 9"	13' 11"	12' 7"	10' 6"	
400S250-54	50	15' 0"	13' 11"	12' 6"	17' 1"	15' 6"	13' 6"	14' 2"	13' 1"	11' 9"	15' 10"	14' 5"	12' 7"	13' 6"	12' 6"	11' 1"	14' 11"	13' 6"	11' 10"	
400S250-68	50	16' 3"	15' 0"	13' 5"	18' 3"	16' 7"	14' 6"	15' 4"	14' 1"	12' 8"	17' 0"	15' 5"	13' 6"	14' 7"	13' 5"	12' 0"	16' 0"	14' 6"	12' 8"	
600S137-33	33	9' 9"	9' 1"	8' 2"	13' 11"	12' 9"	11' 1"	9' 3"	8' 7"	7' 8"	13' 1"	11' 10"	10' 2"	8' 10"	8' 2"	7' 4"	12' 4"	11' 1"	9' 6"	e
600S137-43	33	10' 6"	9' 9"	8' 9"	15' 2"	14' 0"	12' 5"	9' 11"	9' 2"	8' 3"	14' 3"	13' 2"	11' 6"	9' 5"	8' 9"	7' 11"	13' 7"	12' 5"	10' 9"	e
600S137-54	50	11' 3"	10' 5"	9' 4"	16' 1"	14' 11"	13' 5"	10' 7"	9' 10"	8' 10"	15' 2"	14' 1"	12' 8"	10' 1"	9' 4"	8' 5"	14' 6"	13' 5"	12' 1"	
600S137-68	50	12' 2"	11' 3"	10' 0"	17' 2"	15' 11"	14' 3"	11' 5"	10' 7"	9' 5"	16' 2"	15' 0"	13' 5"	10' 10"	10' 0"	9' 0"	15' 5"	14' 3"	12' 10"	
600S162-33	33	11' 2"	10' 4"	9' 4"	16' 0"	14' 8"	12' 8"	10' 6"	9' 9"	8' 10"	14' 11"	13' 7"	11' 7"	10' 0"	9' 4"	8' 5"	14' 1"	12' 8"	10' 9"	e
600S162-43	33	12' 0"	11' 1"	10' 0"	17' 3"	15' 11"	13' 11"	11' 4"	10' 6"	9' 5"	16' 2"	14' 10"	12' 10"	10' 9"	10' 0"	9' 0"	15' 4"	13' 11"	12' 0"	e
600S162-54	50	12' 10"	11' 10"	10' 8"	18' 4"	17' 0"	15' 4"	12' 1"	11' 2"	10' 0"	17' 4"	16' 1"	14' 5"	11' 6"	10' 8"	9' 7"	16' 6"	15' 4"	13' 9"	
600S162-68	50	13' 10"	12' 9"	11' 5"	19' 7"	18' 2"	16' 3"	13' 0"	12' 0"	10' 9"	18' 6"	17' 1"	15' 4"	12' 4"	11' 5"	10' 3"	17' 7"	16' 3"	14' 8"	
600S200-33	33	12' 11"	12' 0"	10' 10"	17' 11"	16' 2"	13' 9"	12' 2"	11' 4"	10' 2"	16' 6"	14' 9"	12' 6"	11' 8"	10' 10"	9' 8"	15' 5"	13' 5"	10' 11"	e
600S200-43	33	13' 10"	12' 10"	11' 7"	19' 10"	18' 1"	15' 8"	13' 1"	12' 2"	10' 11"	18' 6"	16' 9"	14' 4"	12' 6"	11' 7"	10' 5"	17' 4"	15' 8"	13' 1"	e
600S200-54	50	14' 10"	13' 8"	12' 4"	21' 3"	19' 9"	17' 7"	13' 11"	12' 11"	11' 7"	20' 1"	18' 8"	16' 4"	13' 3"	12' 4"	11' 1"	19' 2"	17' 7"	15' 2"	
600S200-68	50	15' 11"	14' 9"	13' 2"	22' 8"	21' 0"	18' 10"	15' 0"	13' 10"	12' 5"	21' 5"	19' 10"	17' 6"	14' 3"	13' 2"	11' 10"	20' 5"	18' 10"	16' 6"	</

## Exterior Allowable Ceiling/Soffit Spans (S-Sections) - L/240

Section	Fy (ksi)	35 psf						40 psf						50 psf					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan		
		Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		Joist Spacing (in) on center	Joist Spacing (in) on center		Joist Spacing (in) on center			
12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24		
250S137-33	33	6' 6"	5' 11"	5' 1" e	7' 3"	6' 7"	5' 5" e	6' 2"	5' 7"	4' 10" e	6' 11"	6' 3"	5' 1" e	5' 9"	5' 2"	4' 4" e	6' 5"	5' 7" e	4' 6" e
250S137-43	33	7' 1"	6' 6"	5' 7"	7' 10"	7' 2"	6' 3"	6' 10"	6' 2"	5' 4"	7' 6"	6' 10"	5' 10"	6' 4"	5' 8"	4' 11"	7' 0"	6' 4"	5' 3"
250S137-54	50	7' 9"	7' 1"	6' 4"	8' 5"	7' 8"	6' 8"	7' 5"	6' 10"	6' 1"	8' 1"	7' 4"	6' 5"	7' 0"	6' 5"	5' 9"	7' 6"	6' 9"	5' 11"
250S137-68	50	8' 6"	7' 9"	6' 11"	9' 0"	8' 2"	7' 1"	8' 2"	7' 6"	6' 8"	8' 7"	7' 10"	6' 10"	7' 7"	7' 0"	6' 2"	8' 0"	7' 3"	6' 4"
250S162-33	33	7' 4"	6' 7"	5' 7" e	7' 7"	6' 11"	5' 10" e	7' 0"	6' 3"	5' 3" e	7' 3"	6' 7" e	5' 5" e	6' 5"	5' 8" e	4' 9" e	6' 9"	5' 11" e	4' 10" e
250S162-43	33	8' 0"	7' 3"	6' 3"	8' 3"	7' 6"	6' 7"	7' 8"	6' 11"	5' 11"	7' 11"	7' 2"	6' 3"	7' 1"	6' 4"	5' 5"	7' 4"	6' 8"	5' 8"
250S162-54	50	8' 10"	8' 0"	7' 0"	8' 10"	8' 0"	7' 0"	8' 6"	7' 8"	6' 9"	8' 6"	7' 8"	6' 9"	7' 10"	7' 2"	6' 3"	7' 10"	7' 2"	6' 3"
250S162-68	50	9' 5"	8' 7"	7' 6"	9' 5"	8' 7"	7' 6"	9' 0"	8' 3"	7' 2"	9' 0"	8' 3"	7' 2"	8' 5"	7' 7"	6' 8"	8' 5"	7' 7"	6' 8"
250S200-33	33	8' 0"	7' 1"	6' 0" e	8' 1"	7' 4"	6' 1" e	7' 7"	6' 9" e	5' 8" e	7' 8"	7' 0" e	5' 8" e	6' 11" e	6' 1" e	5' 1" e	7' 2" e	6' 3" e	5' 1" e
250S200-43	33	8' 9"	7' 11"	6' 11"	8' 9"	7' 11"	6' 11"	8' 4"	7' 7"	6' 7"	8' 4"	7' 7"	6' 8"	7' 9"	7' 1"	5' 11" e	7' 9"	7' 1"	6' 0" e
250S200-54	50	9' 4"	8' 6"	7' 5"	9' 4"	8' 6"	7' 5"	9' 0"	8' 2"	7' 1"	9' 0"	8' 2"	7' 1"	8' 4"	7' 7"	6' 7"	8' 4"	7' 7"	6' 7"
250S200-68	50	10' 0"	9' 1"	7' 11"	10' 0"	9' 1"	7' 11"	9' 7"	8' 9"	7' 7"	9' 7"	8' 9"	7' 7"	8' 11"	8' 1"	7' 1"	8' 11"	8' 1"	7' 1"
362S137-33	33	7' 2"	6' 8"	5' 10" e	9' 0"	7' 11" e	6' 7" e	6' 11"	6' 4" e	5' 7" e	8' 6" e	7' 6" e	6' 2" e	6' 6"	5' 11" e	5' 1" e	7' 8" e	6' 9" e	5' 6" e
362S137-43	33	7' 10"	7' 3"	6' 5"	10' 2"	9' 1"	7' 7"	7' 6"	6' 11"	6' 2"	9' 8"	8' 7"	7' 2" e	7' 1"	6' 6"	5' 8" e	8' 10"	7' 9"	6' 6" e
362S137-54	50	8' 5"	7' 9"	6' 11"	11' 3"	10' 2"	8' 10"	8' 1"	7' 6"	6' 8"	10' 9"	9' 9"	8' 3"	7' 7"	7' 1"	6' 4"	10' 0"	9' 1"	7' 5"
362S137-68	50	9' 2"	8' 5"	7' 6"	12' 0"	10' 11"	9' 6"	8' 9"	8' 1"	7' 3"	11' 6"	10' 5"	9' 1"	8' 3"	7' 7"	6' 9"	10' 8"	9' 8"	8' 5"
362S162-33	33	8' 2"	7' 6" e	6' 6" e	9' 10" e	8' 8" e	7' 1" e	7' 11"	7' 2" e	6' 2" e	9' 3" e	8' 1" e	6' 7" e	7' 4" e	6' 8" e	5' 8" e	8' 4" e	7' 3" e	5' 11" e
362S162-43	33	8' 11"	8' 3"	7' 3"	11' 0"	10' 0"	8' 4" e	8' 7"	7' 11"	6' 11"	10' 6"	9' 5"	7' 10" e	8' 0"	7' 4"	6' 4" e	9' 8"	8' 6" e	7' 0" e
362S162-54	50	9' 7"	8' 10"	7' 11"	11' 9"	10' 8"	9' 4"	9' 3"	8' 7"	7' 8"	11' 3"	10' 3"	8' 11"	8' 8"	8' 0"	7' 3"	10' 6"	9' 6"	8' 0"
362S162-68	50	10' 5"	9' 7"	8' 6"	12' 7"	11' 5"	10' 0"	10' 0"	9' 3"	8' 3"	12' 1"	10' 11"	9' 7"	9' 5"	8' 8"	7' 9"	11' 2"	10' 2"	8' 11"
362S200-33	33	9' 3"	8' 4" e	7' 1" e	10' 6" e	9' 1" e	7' 5" e	8' 10" e	7' 11" e	6' 8" e	9' 10" e	8' 6" e	6' 11" e	8' 1" e	7' 3" e	6' 1" e	8' 9" e	7' 7" e	6' 3" e
362S200-43	33	10' 4"	9' 5"	8' 2" e	11' 7"	10' 7"	8' 11" e	9' 11"	9' 0"	7' 9" e	11' 1"	10' 1"	8' 4" e	9' 2"	8' 4" e	7' 1" e	10' 4"	9' 2" e	7' 6" e
362S200-54	50	11' 1"	10' 4"	9' 3"	12' 5"	11' 4"	9' 11"	10' 9"	9' 11"	8' 11"	11' 11"	10' 10"	9' 5"	10' 1"	9' 4"	8' 4"	11' 1"	10' 1"	8' 9"
362S200-68	50	12' 0"	11' 1"	9' 11"	13' 4"	12' 1"	10' 7"	11' 7"	10' 8"	9' 7"	12' 9"	11' 7"	10' 1"	10' 10"	10' 0"	9' 0"	11' 10"	10' 9"	9' 5"
400S137-33	33	7' 4"	6' 10"	6' 0" e	9' 5" e	8' 4" e	6' 11" e	7' 1"	6' 7" e	5' 9" e	8' 11" e	7' 10" e	6' 6" e	6' 8" e	6' 1" e	5' 4" e	8' 1" e	7' 1" e	5' 10" e
400S137-43	33	8' 0"	7' 5"	6' 7"	10' 8"	9' 6"	8' 0" e	7' 9"	7' 2"	6' 4"	10' 1"	9' 0"	7' 7" e	7' 3"	6' 9"	5' 11" e	9' 3"	8' 2"	6' 10" e
400S137-54	50	8' 8"	8' 0"	7' 2"	12' 2"	11' 0"	9' 6"	8' 4"	7' 8"	6' 10"	11' 7"	10' 7"	8' 10"	7' 10"	7' 3"	6' 6"	10' 9"	9' 8"	7' 11"
400S137-68	50	9' 4"	8' 7"	7' 8"	13' 0"	11' 9"	10' 4"	9' 0"	8' 4"	7' 5"	12' 5"	11' 3"	9' 10"	8' 5"	7' 10"	7' 0"	11' 6"	10' 6"	9' 2"
400S162-33	33	8' 5"	7' 9" e	6' 9" e	10' 4" e	9' 1" e	7' 6" e	8' 1"	7' 5" e	6' 5" e	9' 9" e	8' 6" e	7' 0" e	7' 7" e	6' 11" e	5' 11" e	8' 10" e	7' 8" e	6' 3" e
400S162-43	33	9' 2"	8' 5"	7' 6"	11' 9"	10' 5"	8' 9" e	8' 10"	8' 2"	7' 2" e	11' 2"	9' 10"	8' 3" e	8' 3"	7' 7"	6' 7" e	10' 2"	8' 11" e	7' 5" e
400S162-54	50	9' 10"	9' 1"	8' 2"	12' 9"	11' 7"	10' 1"	9' 6"	8' 9"	7' 10"	12' 2"	11' 1"	9' 6"	8' 11"	8' 3"	7' 5"	11' 3"	10' 3"	8' 6"
400S162-68	50	10' 8"	9' 10"	8' 9"	13' 7"	12' 4"	10' 10"	10' 3"	9' 5"	8' 5"	13' 0"	11' 10"	10' 4"	9' 8"	8' 11"	7' 11"	12' 1"	11' 0"	9' 7"
400S200-33	33	9' 7" e	8' 8" e	7' 5" e	11' 0" e	9' 7" e	7' 10" e	9' 2" e	8' 3" e	7' 0" e	10' 4" e	9' 0" e	7' 4" e	8' 5" e	7' 6" e	6' 4" e	9' 3" e	8' 0" e	6' 7" e
400S200-43	33	10' 7"	9' 9"	8' 6" e	12' 6"	11' 4"	9' 6" e	10' 2"	9' 4"	8' 1" e	12' 0"	10' 10" e	8' 10" e	9' 6"	8' 8" e	7' 5" e	11' 1" e	9' 8" e	7' 11" e
400S200-54	50	11' 5"	10' 6"	9' 5"	13' 5"	12' 2"	10' 8"	11' 0"	10' 2"	9' 1"	12' 10"	11' 8"	10' 2"	10' 4"	9' 7"	8' 7"	11' 11"	10' 10"	9' 3"
400S200-68	50	12' 4"	11' 4"	10' 2"	14' 5"	13' 1"	11' 5"	11' 10"	10' 11"	9' 10"	13' 9"	12' 6"	10' 11"	11' 2"	10' 4"	9' 3"	12' 9"	11' 7"	10' 2"
400S250-33	33	11' 10"	10' 9"	9' 2" e	13' 2"	11' 11" e	9' 8" e	11' 4"	10' 2"	8' 8" e	12' 7"	11' 2" e	9' 1" e	10' 5"	9' 4" e	7' 10" e	11' 6" e	9' 11" e	8' 1" e
400S250-43	33	12' 11"	12' 0"	10' 7"	14' 2"	12' 10"	11' 3"	12' 6"	11' 6"	10' 1"	13' 6"	12' 4"	10' 9"	11' 9"	10' 9"	9' 4"	12' 7"	11' 5"	10' 0"
400S250-68	50	13' 11"	12' 11"	11' 7"	15' 2"	13' 9"	12' 0"	13' 5"	12' 5"	11' 1"	14' 6"	13' 2"	11' 6"	12' 8"	11' 8"	10' 5"	13' 6"	12' 3"	10' 8"
600S137-33	33	8' 5"	7' 10" e	7' 0" e	11' 8" e	10' 6" e	8' 10" e	8' 2" e	7' 7" e	6' 9" e	11' 1" e	9' 11" e	8' 5" e	7' 8" e	7' 1" e	6' 4" e	10' 2" e	9' 1" e	7' 5" e
600S137-43	33	9' 1"	8' 5"	7' 7" e	12' 11"	11' 9" e	10' 1" e	8' 9"	8' 2"	7' 4" e	12' 5"	11' 3" e	9' 7" e	8' 3"	7' 8"	6' 11" e	11' 6" e	10' 4" e	8' 9" e
600S137-54	50	9' 8"	9' 0"	8' 1"	13' 11"	12' 11"	11' 7"	9' 4"	8' 8"	7' 9"	13' 5"	12' 6"	11' 2"	8' 10"	8' 2"	7' 4"	12' 8"	11' 9"	10' 4"
600S137-68	50	10' 5"	9' 7"	8' 7"	14' 9"	13' 8"	12' 4"	10' 0"	9' 3"	8' 4"	14' 3"	13' 3"	11' 10"	9' 5"	8' 9"	7' 10"	13' 5"	12' 6"	11' 2"
600S162-33	33	9' 8" e	9' 0" e	8' 1" e	13' 4" e	11' 11" e	10' 1" e	9' 4" e	8' 8" e	7' 10" e	12' 7" e	10' 11" e	8' 11" e	8' 10" e	8' 2" e	7' 4" e	11' 3" e	9' 9" e	7' 11" e
600S162-43	33	10' 4"	9' 7"	8' 8" e	14' 7"	13' 2" e	11' 3" e	10' 0"	9' 3"	8' 4" e	13' 11" e	12' 7" e	10' 8" e	9' 5"	8' 9" e	7' 11" e	12' 10" e	11' 6" e	9' 9" e
600S162-54	50	11' 0"	10' 3"	9' 2"	15' 10"	14' 9"	13' 2"	10' 8"	9' 10"	8' 10"	15' 4"	14' 3"	12' 8"	10' 0"	9' 4"	8' 4"	14' 5"	13' 4"	11' 5"
600S162-68	50	11' 10"	10' 11"	9' 10"	16' 10"	15' 8"	14' 1"	11' 5"	10' 7"	9' 5"	16' 3"	15' 1"	13' 6"	10' 9"	9' 11"	8' 11"	15' 4"	14' 3"	12' 8"
600S200-33	33	11' 2" e	10' 4" e	9' 2" e	14' 6" e	12' 10" e	10' 1" e	10' 10" e	10' 0" e	8' 10" e	13' 5" e	11' 7" e	9' 6" e	10' 2" e	9' 4" e	8' 2" e	12' 0" e	10' 4" e	8' 6" e
600S200-43	33	12' 0"	11' 2" e	10' 0" e	16' 5" e	14' 8" e	12' 1" e	11' 7"	10' 9" e	9' 8" e	15' 8" e	13' 10" e	11' 4" e	10' 11" e	10' 2" e	9' 0" e	14' 4" e	12' 5" e	10' 2" e
600S200-54	50	12' 9"	11' 10"	10' 8"	18' 5"	16' 8"	14' 0"	12' 4"	11' 5"	10' 4"	17' 7"	16' 0"	13' 1"	11' 7"	10' 9"	9' 9"	16' 4"	14' 4"	11' 9"
600S200-68	50	13' 8"	12' 8"	11' 4"	19' 7"	17' 11"	15' 8"	13' 2"	12' 2"	10' 11"	18' 10"	17' 2"	15' 0"	12' 5"	11' 6"	10' 4"	17' 6"	15' 11"	13' 11"
600S250-33	33	13' 8"	12' 8" e	11' 3" e	17' 7" e	15' 7" e	12' 5" e	13' 2" e	12' 3" e	10' 9" e	16' 5" e	14' 3" e	11' 7" e	12' 5" e	11' 5" e	9' 11" e	14' 8" e	12' 9" e	10' 5" e
600S250-43	33	14' 6"	13' 6"	12' 1"	19' 3"	17' 6"	14' 5"	14' 0"	13' 0"	11' 9"	18' 5"	16' 7"	13' 6"	13' 3"	12' 3"	11' 0"	17' 1"	14' 10"	12' 1" e
600S250-68	50	15' 6"	14' 4"	12' 11"	20' 8"	18' 10"	16' 5"	15' 0"	13' 10"	12' 6"	19' 9"	18' 0"	15' 8"	14' 1"	13' 1"	11' 9"	18' 4"	16' 8"	14' 7"
800S137-33	33	9' 1" e	8' 5" e	7' 7" e	12' 10" e	11' 8" e	10' 1" e	8' 9" e	8' 1" e	7' 3" e	12' 4" e	11' 2" e	9' 6" e	8' 3" e	7' 8" e	6' 10" e	11' 5" e	10' 3" e	8' 8" e
800S137-43	33	9' 10"	9' 2"	8' 3" e	14' 1"	12' 11" e	11' 4" e	9' 6"	8' 10"	7' 11" e	13' 7" e	12' 5" e	10' 10" e	9' 0"	8' 4" e	7' 6" e	12' 8" e	11' 7" e	10' 0" e
800S137-54	50																		

# Ceiling/Soffit Spans (S-Sections)

## Exterior Allowable Ceiling/Soffit Spans (S-Sections) - L/360

Section	F <sub>y</sub> (ksi)	20 psf						25 psf						30 psf					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan		
		Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center		
	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	
250S137-33	33	7' 7"	6' 11"	6' 1"	7' 8"	6' 11"	6' 1"	7' 1"	6' 5"	5' 7"	7' 1"	6' 5"	5' 7"	6' 8"	6' 1"	5' 3"	6' 8"	6' 1"	5' 3"
250S137-43	33	8' 3"	7' 6"	6' 7"	8' 3"	7' 6"	6' 7"	7' 8"	7' 0"	6' 1"	7' 8"	7' 0"	6' 1"	7' 3"	6' 7"	5' 9"	7' 3"	6' 7"	5' 9"
250S137-54	50	8' 10"	8' 1"	7' 0"	8' 10"	8' 1"	7' 0"	8' 3"	7' 6"	6' 6"	8' 3"	7' 6"	6' 6"	7' 9"	7' 0"	6' 2"	7' 9"	7' 0"	6' 2"
250S137-68	50	9' 5"	8' 7"	7' 6"	9' 5"	8' 7"	7' 6"	8' 9"	8' 0"	7' 0"	8' 9"	8' 0"	7' 0"	8' 3"	7' 6"	6' 7"	8' 3"	7' 6"	6' 7"
250S162-33	33	8' 0"	7' 3"	6' 4"	8' 0"	7' 3"	6' 4"	7' 5"	6' 9"	5' 11"	7' 5"	6' 9"	5' 11"	7' 0"	6' 4"	5' 7"	7' 0"	6' 4"	5' 7"
250S162-43	33	8' 8"	7' 11"	6' 11"	8' 8"	7' 11"	6' 11"	8' 1"	7' 4"	6' 5"	8' 1"	7' 4"	6' 5"	7' 7"	6' 11"	6' 0"	7' 7"	6' 11"	6' 0"
250S162-54	50	9' 4"	8' 6"	7' 5"	9' 4"	8' 6"	7' 5"	8' 8"	7' 10"	6' 10"	8' 8"	7' 10"	6' 10"	8' 2"	7' 5"	6' 5"	8' 2"	7' 5"	6' 5"
250S162-68	50	9' 11"	9' 0"	7' 11"	9' 11"	9' 0"	7' 11"	9' 3"	8' 5"	7' 4"	9' 3"	8' 5"	7' 4"	8' 8"	7' 11"	6' 11"	8' 8"	7' 11"	6' 11"
250S200-33	33	8' 6"	7' 8"	6' 9"	8' 6"	7' 8"	6' 9"	7' 10"	7' 2"	6' 3"	7' 10"	7' 2"	6' 3"	7' 5"	6' 9"	5' 11" e	7' 5"	6' 9"	5' 11" e
250S200-43	33	9' 3"	8' 4"	7' 4"	9' 3"	8' 4"	7' 4"	8' 7"	7' 9"	6' 9"	8' 7"	7' 9"	6' 9"	8' 1"	7' 4"	6' 5"	8' 1"	7' 4"	6' 5"
250S200-54	50	9' 10"	9' 0"	7' 10"	9' 10"	9' 0"	7' 10"	9' 2"	8' 4"	7' 3"	9' 2"	8' 4"	7' 3"	8' 7"	7' 10"	6' 10"	8' 7"	7' 10"	6' 10"
250S200-68	50	10' 7"	9' 7"	8' 4"	10' 7"	9' 7"	8' 4"	9' 10"	8' 11"	7' 9"	9' 10"	8' 11"	7' 9"	9' 3"	8' 4"	7' 4"	9' 3"	8' 4"	7' 4"
362S137-33	33	8' 4"	7' 9"	6' 11"	10' 2"	9' 3"	8' 1"	7' 10"	7' 3"	6' 6"	9' 5"	8' 7"	7' 6" e	7' 6"	6' 11"	6' 2" e	8' 10"	8' 1"	7' 0" e
362S137-43	33	9' 1"	8' 5"	7' 6"	11' 1"	10' 0"	8' 9"	8' 7"	7' 11"	7' 1"	10' 3"	9' 4"	8' 2"	8' 2"	7' 6"	6' 9"	9' 8"	8' 9"	7' 8"
362S137-54	50	9' 10"	9' 1"	8' 1"	11' 10"	10' 9"	9' 5"	9' 3"	8' 6"	7' 7"	11' 0"	10' 0"	8' 9"	8' 9"	8' 1"	7' 3"	10' 4"	9' 5"	8' 2"
362S137-68	50	10' 9"	9' 11"	8' 10"	12' 8"	11' 6"	10' 0"	10' 1"	9' 3"	8' 3"	11' 9"	10' 8"	9' 4"	9' 7"	8' 10"	7' 10"	11' 0"	10' 0"	8' 9"
362S162-33	33	9' 6"	8' 10"	7' 10"	10' 8"	9' 8"	8' 5" e	9' 0"	8' 4"	7' 4" e	9' 11"	9' 0"	7' 10" e	8' 7"	7' 11"	6' 11" e	9' 4"	8' 5" e	7' 5" e
362S162-43	33	10' 4"	9' 7"	8' 7"	11' 7"	10' 6"	9' 2"	9' 9"	9' 0"	8' 0"	10' 9"	9' 9"	8' 6"	9' 3"	8' 7"	7' 7"	10' 1"	9' 2"	8' 0"
362S162-54	50	11' 2"	10' 4"	9' 3"	12' 5"	11' 3"	9' 10"	10' 6"	9' 8"	8' 8"	11' 6"	10' 6"	9' 2"	10' 0"	9' 3"	8' 3"	10' 10"	9' 10"	8' 7"
362S162-68	50	12' 2"	11' 3"	10' 0"	13' 3"	12' 1"	10' 6"	11' 5"	10' 6"	9' 5"	12' 4"	11' 2"	9' 9"	10' 10"	10' 0"	8' 11"	11' 7"	10' 6"	9' 2"
362S200-33	33	11' 0"	10' 1"	8' 10" e	11' 3"	10' 2"	8' 11" e	10' 4"	9' 5"	8' 1" e	10' 5"	9' 6"	8' 3" e	9' 9"	8' 10" e	7' 6" e	9' 10"	8' 11" e	7' 9" e
362S200-43	33	12' 0"	11' 1"	9' 8"	12' 3"	11' 1"	9' 8"	11' 4"	10' 4"	9' 0"	11' 4"	10' 4"	9' 0"	10' 8"	9' 8"	8' 6"	10' 8"	9' 8"	8' 6"
362S200-54	50	12' 11"	11' 11"	10' 5"	13' 1"	11' 11"	10' 5"	12' 2"	11' 1"	9' 8"	12' 2"	11' 1"	9' 8"	11' 5"	10' 5"	9' 1"	11' 5"	10' 5"	9' 1"
362S200-68	50	14' 0"	12' 9"	11' 2"	14' 0"	12' 9"	11' 2"	13' 0"	11' 10"	10' 4"	13' 0"	11' 10"	10' 4"	12' 3"	11' 2"	9' 9"	12' 3"	11' 2"	9' 9"
400S137-33	33	8' 7"	7' 11"	7' 1"	11' 0"	10' 0"	8' 8" e	8' 1"	7' 6"	6' 8" e	10' 2"	9' 3"	8' 1" e	7' 8"	7' 1"	6' 4" e	9' 7"	8' 8" e	7' 5" e
400S137-43	33	9' 1"	8' 7"	7' 9"	11' 11"	10' 10"	9' 6"	8' 9"	8' 1"	7' 3"	11' 1"	10' 1"	8' 9"	8' 4"	7' 9"	6' 11"	10' 5"	9' 6"	8' 3"
400S137-54	50	10' 1"	9' 4"	8' 4"	12' 9"	11' 7"	10' 2"	9' 6"	8' 9"	7' 10"	11' 10"	10' 9"	9' 5"	9' 0"	8' 4"	7' 5"	11' 2"	10' 2"	8' 10"
400S137-68	50	11' 0"	10' 2"	9' 0"	13' 8"	12' 5"	10' 10"	10' 4"	9' 6"	8' 5"	12' 8"	11' 6"	10' 1"	9' 10"	9' 0"	8' 0"	11' 11"	10' 10"	9' 6"
400S162-33	33	9' 9"	9' 1"	8' 1"	11' 6"	10' 5"	9' 1" e	9' 2"	8' 6"	7' 7" e	10' 8"	9' 8"	8' 5" e	8' 9"	8' 1"	7' 2" e	10' 0"	9' 1" e	8' 0" e
400S162-43	33	10' 7"	9' 10"	8' 10"	12' 6"	11' 4"	9' 11"	10' 0"	9' 3"	8' 3"	11' 7"	10' 6"	9' 2"	9' 6"	8' 10"	7' 10"	10' 11"	9' 11"	8' 8"
400S162-54	50	11' 6"	10' 7"	9' 6"	13' 5"	12' 2"	10' 7"	10' 9"	10' 0"	8' 11"	12' 5"	11' 3"	9' 10"	10' 3"	9' 6"	8' 6"	11' 8"	10' 7"	9' 3"
400S162-68	50	12' 6"	11' 6"	10' 3"	14' 4"	13' 0"	11' 4"	11' 9"	10' 9"	9' 7"	13' 4"	12' 1"	10' 7"	11' 1"	10' 3"	9' 2"	12' 6"	11' 4"	9' 11"
400S200-33	33	11' 4"	10' 5"	9' 2" e	12' 1"	11' 0"	9' 7" e	10' 8"	9' 9"	8' 5" e	11' 3"	10' 3" e	8' 11" e	10' 1"	9' 2" e	7' 10" e	10' 7"	9' 7" e	8' 5" e
400S200-43	33	12' 4"	11' 5"	10' 2"	13' 2"	12' 0"	10' 6"	11' 7"	10' 9"	9' 6"	12' 3"	11' 1"	9' 9"	11' 1"	10' 2"	9' 0"	11' 6"	10' 6"	9' 2" e
400S200-54	50	13' 3"	12' 3"	11' 0"	14' 2"	12' 10"	11' 3"	12' 6"	11' 6"	10' 4"	13' 1"	11' 11"	10' 5"	11' 10"	11' 0"	9' 10"	12' 4"	11' 3"	9' 10"
400S200-68	50	14' 5"	13' 3"	11' 10"	15' 2"	13' 9"	12' 0"	13' 6"	12' 6"	11' 2"	14' 1"	12' 9"	11' 2"	12' 10"	11' 10"	10' 6"	13' 3"	12' 0"	10' 6"
400S250-43	33	13' 11"	12' 7"	11' 0"	13' 11"	12' 7"	11' 0"	12' 11"	11' 8"	10' 3"	12' 11"	11' 8"	10' 3"	12' 2"	11' 0"	9' 7" e	12' 2"	11' 0"	9' 7" e
400S250-54	50	14' 11"	13' 6"	11' 10"	14' 11"	13' 6"	11' 10"	13' 10"	12' 7"	11' 0"	13' 10"	12' 7"	11' 0"	13' 0"	11' 10"	10' 4"	13' 0"	11' 10"	10' 4"
400S250-68	50	16' 0"	14' 6"	12' 8"	16' 0"	14' 6"	12' 8"	14' 10"	13' 6"	11' 9"	14' 10"	13' 6"	11' 9"	13' 11"	12' 8"	11' 1"	13' 11"	12' 8"	11' 1"
600S137-33	33	9' 9"	9' 1"	8' 2" e	13' 11"	12' 9"	11' 1" e	9' 3"	8' 7"	7' 8" e	13' 1" e	11' 10" e	10' 2" e	8' 10"	8' 2" e	7' 4" e	12' 4" e	11' 1" e	9' 6" e
600S137-43	33	10' 6"	9' 9"	8' 9"	15' 2"	14' 0"	12' 5"	9' 11"	9' 2"	8' 3"	14' 3"	13' 2"	11' 6" e	9' 5"	8' 9"	7' 11"	13' 7"	12' 5"	10' 9" e
600S137-54	50	11' 3"	10' 5"	9' 4"	16' 1"	14' 11"	13' 5"	10' 7"	9' 10"	8' 10"	15' 2"	14' 1"	12' 8"	10' 1"	9' 4"	8' 5"	14' 6"	13' 5"	12' 1"
600S137-68	50	12' 2"	11' 3"	10' 0"	17' 2"	15' 11"	14' 3"	11' 5"	10' 7"	9' 5"	16' 2"	15' 0"	13' 5"	10' 10"	10' 0"	9' 0"	15' 5"	14' 3"	12' 10"
600S162-33	33	11' 2"	10' 4"	9' 4" e	15' 9" e	14' 4" e	12' 6" e	10' 6"	9' 9" e	8' 10" e	14' 8" e	13' 4" e	11' 7" e	10' 0"	9' 4" e	8' 5" e	13' 9" e	12' 6" e	10' 9" e
600S162-43	33	12' 0"	11' 1"	10' 0"	17' 2"	15' 7"	13' 8" e	11' 4"	10' 6"	9' 5"	15' 11"	14' 6"	12' 8" e	10' 9"	10' 0"	9' 0" e	15' 0"	13' 8" e	11' 11" e
600S162-54	50	12' 10"	11' 10"	10' 8"	18' 4"	16' 9"	14' 7"	12' 1"	11' 2"	10' 0"	17' 1"	15' 6"	13' 7"	11' 6"	10' 8"	9' 7"	16' 1"	14' 7"	12' 9"
600S162-68	50	13' 10"	12' 9"	11' 5"	19' 7"	17' 11"	15' 8"	13' 0"	12' 0"	10' 9"	18' 4"	16' 8"	14' 7"	12' 4"	11' 5"	10' 3"	17' 3"	15' 8"	13' 8"
600S200-33	33	12' 11"	12' 0"	10' 10" e	16' 7" e	15' 0" e	13' 2" e	12' 2"	11' 4" e	10' 2" e	15' 4" e	14' 0" e	12' 2" e	11' 8" e	10' 10" e	9' 8" e	14' 6" e	13' 2" e	10' 11" e
600S200-43	33	13' 10"	12' 10"	11' 7"	18' 0"	16' 5"	14' 4" e	13' 1"	12' 2"	10' 11" e	16' 9"	15' 2"	13' 3" e	12' 6"	11' 7"	10' 5" e	15' 9"	14' 4" e	12' 6" e
600S200-54	50	14' 10"	13' 8"	12' 4"	19' 4"	17' 7"	15' 4"	13' 11"	12' 11"	11' 7"	18' 0"	16' 4"	14' 3"	13' 3"	12' 4"	11' 1"	16' 11"	15' 4"	13' 5"
600S200-68	50	15' 11"	14' 9"	13' 2"	20' 9"	18' 10"	16' 6"	15' 0"	13' 10"	12' 5"	19' 3"	17' 6"	15' 4"	14' 3"	13' 2"	11' 10" e	18' 2"	16' 6"	14' 5"
600S250-43	33	15' 9"	14' 8"	13' 2" e	18' 11"	17' 2"	15' 0" e	14' 11"	13' 10"	12' 5" e	17' 6"	15' 11" e	13' 11" e	14' 2"	13' 2" e	11' 10" e	16' 6"	15' 0" e	13' 1" e
600S250-54	50	16' 10"	15' 7"	14' 0"	20' 3"	18' 5"	16' 1"	15' 10"	14' 8"	13' 3"	18' 10"	17' 1"	14' 11"	15' 1"	14' 0"	12' 7"	17' 9"	16' 1"	14' 1"
600S250-68	50	18' 1"	16' 8"	15' 0"	21' 9"	19' 9"	17' 3"	17' 0"	15' 9"	14' 1"	20' 3"	18' 4"	16' 1"	16' 2"	15' 0"	13' 5"	19' 0"	17' 3"	15' 1"
800S137-33	33	10' 7" e	9' 10" e	8' 9" e	15' 0" e	13' 11" e	12' 4" e	10' 0" e	9' 3" e	8' 3" e	14' 1" e	13' 0" e	11' 5" e	9' 6" e	8' 9" e	7' 10" e	13' 5" e	12' 4" e	10' 8" e
800S137-43	33	11' 5"	10' 7"	9' 7"	16' 5"	15' 2"	13' 7" e	10' 9"	10' 0"	9' 0"	15' 5"	14' 3"	12' 8" e	10' 3"	9' 6"	8' 7" e	14' 8"	13' 7" e	12' 0" e
800S137-54	50	12' 2"	11' 3"	10' 2"	17' 6"	16' 3"	14' 7"	11' 6"	10' 8"	9' 7"	16' 6"	15' 4"	13' 9"	10' 11"	10' 2"	9' 1"	15' 9"	14' 7"	13' 1"
800S137-68																			



## Exterior Allowable Ceiling/Soffit Spans (S-Sections) - L/360

Section	Fy (ksi)	35 psf						40 psf						50 psf											
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange											
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan								
		Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center								
			12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24					
250S137-33	33	6' 4"	5' 9"	5' 0"	e	6' 4"	5' 9"	5' 0"	e	6' 1"	5' 6"	4' 10"	e	6' 1"	5' 6"	4' 10"	e	5' 7"	5' 1"	4' 4"	e	5' 7"	5' 1"	4' 6"	e
250S137-43	33	6' 11"	6' 3"	5' 6"		6' 11"	6' 3"	5' 6"		6' 7"	6' 0"	5' 3"		6' 7"	6' 0"	5' 3"		6' 1"	5' 7"	4' 10"		6' 1"	5' 7"	4' 10"	
250S137-54	50	7' 4"	6' 8"	5' 10"		7' 4"	6' 8"	5' 10"		7' 0"	6' 5"	5' 7"		7' 0"	6' 5"	5' 7"		6' 6"	5' 11"	5' 2"		6' 6"	5' 11"	5' 2"	
250S137-68	50	7' 10"	7' 1"	6' 3"		7' 10"	7' 1"	6' 3"		7' 6"	6' 10"	5' 11"		7' 6"	6' 10"	5' 11"		7' 0"	6' 4"	5' 6"		7' 0"	6' 4"	5' 6"	
250S162-33	33	6' 8"	6' 0"	5' 3"	e	6' 8"	6' 0"	5' 3"	e	6' 4"	5' 9"	5' 1"	e	6' 4"	5' 9"	5' 1"	e	5' 11"	5' 4"	4' 8"	e	5' 11"	5' 4"	4' 8"	e
250S162-43	33	7' 3"	6' 7"	5' 9"		7' 3"	6' 7"	5' 9"		6' 11"	6' 3"	5' 6"		6' 11"	6' 3"	5' 6"		6' 5"	5' 10"	5' 1"		6' 5"	5' 10"	5' 1"	
250S162-54	50	7' 9"	7' 0"	6' 2"		7' 9"	7' 0"	6' 2"		7' 5"	6' 9"	5' 10"		7' 5"	6' 9"	5' 10"		6' 10"	6' 3"	5' 5"		6' 10"	6' 3"	5' 5"	
250S162-68	50	8' 3"	7' 6"	6' 7"		8' 3"	7' 6"	6' 7"		7' 11"	7' 2"	6' 3"		7' 11"	7' 2"	6' 3"		7' 4"	6' 8"	5' 10"		7' 4"	6' 8"	5' 10"	
250S200-33	33	7' 0"	6' 5"	5' 7"	e	7' 0"	6' 5"	5' 7"	e	6' 9"	6' 1"	5' 4"	e	6' 9"	6' 1"	5' 4"	e	6' 3"	5' 8"	4' 11"	e	6' 3"	5' 8"	4' 11"	e
250S200-43	33	7' 8"	6' 11"	6' 1"		7' 8"	6' 11"	6' 1"		7' 4"	6' 8"	5' 10"		7' 4"	6' 8"	5' 10"		6' 9"	6' 2"	5' 5"		6' 9"	6' 2"	5' 5"	
250S200-54	50	8' 2"	7' 5"	6' 6"		8' 2"	7' 5"	6' 6"		7' 10"	7' 1"	6' 3"		7' 10"	7' 1"	6' 3"		7' 3"	6' 7"	5' 9"		7' 3"	6' 7"	5' 9"	
250S200-68	50	8' 9"	7' 11"	6' 11"		8' 9"	7' 11"	6' 11"		8' 4"	7' 7"	6' 8"		8' 4"	7' 7"	6' 8"		7' 9"	7' 1"	6' 2"		7' 9"	7' 1"	6' 2"	
362S137-33	33	7' 2"	6' 8"	5' 10"	e	8' 5"	7' 8"	6' 7"	e	6' 11"	6' 4"	5' 7"	e	8' 1"	7' 4"	6' 2"	e	6' 6"	5' 11"	5' 1"	e	7' 6"	6' 9"	5' 6"	e
362S137-43	33	7' 10"	7' 3"	6' 5"		9' 2"	8' 4"	7' 3"		9' 2"	8' 4"	7' 3"		9' 2"	8' 4"	7' 3"		7' 1"	6' 6"	5' 8"	e	8' 2"	7' 5"	6' 5"	e
362S137-54	50	8' 5"	7' 9"	6' 11"		9' 10"	8' 11"	7' 9"		8' 1"	7' 6"	6' 8"		9' 5"	8' 6"	7' 5"		7' 7"	7' 1"	6' 4"		8' 9"	7' 11"	6' 11"	
362S137-68	50	9' 2"	8' 5"	7' 6"		10' 6"	9' 6"	8' 4"		8' 9"	8' 1"	7' 3"		10' 0"	9' 1"	7' 11"		8' 3"	7' 7"	6' 9"		9' 4"	8' 5"	7' 5"	
362S162-33	33	8' 2"	7' 6"	6' 6"	e	8' 10"	8' 0"	7' 0"	e	7' 11"	7' 2"	6' 2"	e	8' 5"	7' 8"	6' 7"	e	7' 4"	6' 8"	5' 8"	e	7' 10"	7' 1"	5' 11"	e
362S162-43	33	8' 11"	8' 3"	7' 3"		9' 7"	8' 9"	7' 7"		8' 7"	7' 11"	6' 11"		9' 2"	8' 4"	7' 4"		8' 0"	7' 4"	6' 4"		8' 6"	7' 9"	6' 9"	
362S162-54	50	9' 7"	8' 10"	7' 11"		10' 3"	9' 4"	8' 2"		9' 3"	8' 7"	7' 8"		9' 10"	8' 11"	7' 10"		8' 8"	8' 0"	7' 3"		9' 2"	8' 4"	7' 3"	
362S162-68	50	10' 5"	9' 7"	8' 6"		11' 0"	10' 0"	8' 9"		10' 0"	9' 3"	8' 3"		10' 6"	9' 7"	8' 4"		9' 5"	8' 8"	7' 9"		9' 9"	8' 11"	7' 9"	
362S200-33	33	9' 3"	8' 4"	7' 1"	e	9' 4"	8' 6"	7' 5"	e	8' 10"	7' 11"	6' 8"	e	8' 11"	8' 1"	6' 11"	e	8' 1"	7' 3"	6' 1"	e	8' 3"	7' 6"	6' 3"	e
362S200-43	33	10' 2"	9' 3"	8' 1"	e	10' 2"	9' 3"	8' 1"	e	9' 8"	8' 10"	7' 8"	e	9' 8"	8' 10"	7' 8"	e	9' 0"	8' 2"	7' 1"	e	9' 0"	8' 2"	7' 2"	e
362S200-54	50	10' 10"	9' 11"	8' 8"		10' 10"	9' 11"	8' 8"		10' 5"	9' 5"	8' 3"		10' 5"	9' 5"	8' 3"		9' 8"	8' 9"	7' 8"		9' 8"	8' 9"	7' 8"	
362S200-68	50	11' 8"	10' 7"	9' 3"		11' 8"	10' 7"	9' 3"		11' 2"	10' 1"	8' 10"		11' 2"	10' 1"	8' 10"		10' 4"	9' 5"	8' 2"		10' 4"	9' 5"	8' 2"	
400S137-33	33	7' 4"	6' 10"	6' 0"	e	9' 1"	8' 3"	6' 11"	e	7' 1"	6' 7"	5' 9"	e	8' 8"	7' 10"	6' 6"	e	6' 8"	6' 1"	5' 4"	e	8' 1"	7' 1"	5' 10"	e
400S137-43	33	8' 0"	7' 5"	6' 7"		9' 11"	9' 0"	7' 10"		7' 9"	7' 2"	6' 4"		9' 6"	8' 7"	7' 6"		7' 3"	6' 9"	5' 11"		8' 9"	8' 0"	6' 10"	
400S137-54	50	8' 8"	8' 0"	7' 2"		10' 7"	9' 8"	8' 5"		8' 4"	7' 8"	6' 10"		10' 2"	9' 3"	8' 1"		7' 10"	7' 3"	6' 6"		9' 5"	8' 7"	7' 6"	
400S137-68	50	9' 4"	8' 7"	7' 8"		11' 4"	10' 4"	9' 0"		9' 0"	8' 4"	7' 5"		10' 10"	9' 10"	8' 7"		8' 5"	7' 10"	7' 0"		10' 1"	9' 2"	8' 0"	
400S162-33	33	8' 5"	7' 9"	6' 9"	e	9' 6"	8' 8"	7' 6"	e	8' 1"	7' 5"	6' 5"	e	9' 1"	8' 3"	7' 0"	e	7' 7"	6' 11"	5' 11"	e	8' 5"	7' 8"	6' 3"	e
400S162-43	33	9' 2"	8' 5"	7' 6"		10' 4"	9' 5"	8' 3"		8' 10"	8' 2"	7' 2"		9' 11"	9' 0"	7' 10"		8' 3"	7' 7"	6' 7"		9' 2"	8' 4"	7' 4"	
400S162-54	50	9' 10"	9' 1"	8' 2"		11' 1"	10' 1"	8' 10"		9' 6"	8' 9"	7' 10"		10' 7"	9' 8"	8' 5"		8' 11"	8' 3"	7' 5"		9' 10"	9' 0"	7' 10"	
400S162-68	50	10' 8"	9' 10"	8' 9"		11' 11"	10' 10"	9' 5"		10' 3"	9' 5"	8' 5"		11' 4"	10' 4"	9' 0"		9' 8"	8' 11"	7' 11"		10' 7"	9' 7"	8' 5"	
400S200-33	33	9' 7"	8' 8"	7' 5"	e	10' 1"	9' 2"	7' 10"	e	9' 2"	8' 3"	7' 0"	e	9' 7"	8' 9"	7' 4"	e	8' 5"	7' 6"	6' 4"	e	8' 11"	8' 0"	6' 7"	e
400S200-43	33	10' 7"	9' 9"	8' 6"	e	10' 11"	9' 11"	8' 8"	e	10' 2"	9' 4"	8' 1"	e	10' 6"	9' 6"	8' 4"	e	9' 6"	8' 8"	7' 5"	e	9' 9"	8' 10"	7' 8"	e
400S200-54	50	11' 5"	10' 6"	9' 4"		11' 9"	10' 8"	9' 4"		11' 0"	10' 2"	8' 11"		11' 3"	10' 2"	8' 11"		10' 4"	9' 6"	8' 3"		10' 5"	9' 6"	8' 3"	
400S200-68	50	12' 4"	11' 4"	10' 0"		12' 7"	11' 5"	10' 0"		11' 10"	10' 11"	9' 6"		12' 0"	10' 11"	9' 6"		11' 2"	10' 2"	8' 10"		11' 2"	10' 2"	8' 10"	
400S250-43	33	11' 6"	10' 6"	9' 2"	e	11' 6"	10' 6"	9' 2"	e	11' 0"	10' 0"	8' 8"	e	11' 0"	10' 0"	8' 9"	e	10' 3"	9' 4"	7' 10"	e	10' 3"	9' 4"	8' 1"	e
400S250-54	50	12' 4"	11' 3"	9' 10"		12' 4"	11' 3"	9' 10"		11' 10"	10' 9"	9' 5"		11' 10"	10' 9"	9' 5"		11' 0"	10' 0"	8' 9"		11' 0"	10' 0"	8' 9"	
400S250-68	50	13' 3"	12' 0"	10' 6"		13' 3"	12' 0"	10' 6"		12' 8"	11' 6"	10' 1"		12' 8"	11' 6"	10' 1"		11' 9"	10' 8"	9' 4"		11' 9"	10' 8"	9' 4"	
600S137-33	33	8' 5"	7' 10"	6' 7"	e	11' 8"	10' 6"	8' 10"	e	8' 2"	7' 7"	6' 9"	e	11' 1"	9' 11"	8' 5"	e	7' 8"	7' 1"	6' 4"	e	10' 2"	9' 1"	7' 5"	e
600S137-43	33	9' 1"	8' 5"	7' 7"	e	12' 11"	11' 9"	10' 1"	e	8' 9"	8' 2"	7' 4"	e	12' 5"	11' 3"	9' 7"	e	8' 3"	7' 8"	6' 11"	e	11' 6"	10' 4"	8' 9"	e
600S137-54	50	9' 8"	9' 0"	8' 1"		13' 11"	12' 11"	11' 7"		9' 4"	8' 8"	7' 9"		13' 5"	12' 6"	11' 1"		8' 10"	8' 2"	7' 4"		12' 8"	11' 9"	10' 4"	
600S137-68	50	10' 5"	9' 7"	8' 7"		14' 9"	13' 8"	12' 4"		10' 0"	9' 3"	8' 4"		14' 3"	13' 3"	11' 10"		9' 5"	8' 9"	7' 10"		13' 5"	12' 6"	11' 1"	
600S162-33	33	9' 8"	9' 0"	8' 1"	e	13' 1"	12' 1"	10' 1"	e	9' 4"	8' 8"	7' 10"	e	12' 6"	10' 11"	8' 11"	e	8' 10"	8' 2"	7' 4"	e	11' 3"	9' 9"	7' 11"	e
600S162-43	33	10' 4"	9' 7"	8' 8"	e	14' 3"	12' 11"	11' 3"	e	10' 0"	9' 3"	8' 4"	e	13' 8"	12' 5"	10' 8"	e	9' 5"	8' 9"	7' 11"	e	12' 8"	11' 6"	9' 9"	e
600S162-54	50	11' 0"	10' 3"	9' 2"		15' 3"	13' 11"	12' 2"		10' 8"	9' 10"	8' 10"		14' 7"	13' 3"	11' 7"		10' 0"	9' 4"	8' 4"		13' 7"	12' 4"	10' 9"	
600S162-68	50	11' 10"	10' 11"	9' 10"		16' 5"	14' 11"	13' 0"		11' 5"	10' 7"	9' 5"		15' 8"	14' 3"	12' 5"		10' 9"	9' 11"	8' 1					

## SUPREME Allowable Ceiling Spans (SFS-Sections) - L/240

Section	Fy (ksi)	4 psf						6 psf						13 psf *					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan		
		Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center		
162SFS-D20	57	7' 4"	6' 8"	5' 10"	7' 4"	6' 8"	5' 10"	6' 5"	5' 10"	5' 1"	6' 5"	5' 10"	5' 1"	4' 11"	4' 6"	3' 11"	4' 11"	4' 6"	3' 11"
162SFS-D24	57	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' 0"	6' 4"	5' 9"	5' 0"
250SFS-D20	57	9' 5"	8' 9"	7' 10"	12' 2"	11' 1"	9' 8"	8' 6"	7' 10"	6' 11"	10' 7"	9' 8"	8' 5"	6' 9"	6' 2"	5' 6"	8' 2"	7' 5"	6' 6"
250SFS-D24	57	10' 7"	9' 10"	8' 10"	13' 1"	11' 11"	10' 5"	9' 6"	8' 10"	7' 11"	11' 5"	10' 5"	9' 1"	7' 9"	7' 2"	6' 5"	8' 10"	8' 0"	7' 0"
350SFS-D20	57	10' 5"	9' 8"	8' 8"	14' 7"	13' 4"	11' 10"	9' 4"	8' 8"	7' 9"	12' 10"	11' 10"	10' 4"	7' 6"	6' 11"	6' 1"	10' 0"	9' 0"	6' 6"
350SFS-D24	57	11' 6"	10' 8"	9' 7"	16' 6"	15' 2"	13' 5"	10' 4"	9' 7"	8' 7"	14' 8"	13' 5"	11' 10"	8' 5"	7' 9"	6' 11"	11' 6"	10' 5"	9' 0"
362SFS-D20	57	10' 6"	9' 9"	8' 10"	14' 8"	13' 6"	11' 11"	9' 6"	8' 10"	7' 10"	13' 0"	11' 11"	10' 5"	7' 7"	7' 0"	6' 2"	10' 2"	9' 2"	6' 6"
362SFS-D24	57	11' 7"	10' 9"	9' 8"	16' 7"	15' 4"	13' 7"	10' 5"	9' 8"	8' 8"	14' 10"	13' 7"	12' 0"	8' 6"	7' 10"	7' 0"	11' 9"	10' 8"	9' 2"
400SFS-D20	57	10' 10"	10' 1"	9' 0"	15' 0"	13' 9"	12' 2"	9' 9"	9' 0"	8' 0"	13' 3"	12' 2"	10' 8"	7' 9"	7' 2"	6' 4"	10' 5"	9' 5"	8' 0"
400SFS-D24	57	11' 11"	11' 0"	9' 11"	17' 0"	15' 9"	14' 0"	10' 8"	9' 11"	8' 11"	15' 3"	14' 0"	12' 5"	8' 8"	8' 1"	7' 2"	12' 1"	11' 1"	9' 7"
550SFS-D24	57	13' 3"	12' 4"	11' 1"	19' 3"	17' 11"	16' 2"	11' 11"	11' 1"	10' 0"	17' 5"	16' 2"	14' 6"	9' 10"	9' 1"	8' 3"	14' 1"	12' 4"	8' 3"
600SFS-D24	57	13' 7"	12' 7"	11' 4"	19' 5"	18' 0"	16' 2"	12' 3"	11' 4"	10' 2"	17' 5"	16' 2"	14' 5"	9' 11"	9' 2"	8' 3"	14' 1"	12' 4"	8' 3"

\*Loads that exceed 10 psf limit require a G60 galvanized coating.

"e" Web stiffeners required at ends.

See Table Notes and figures on page 71.

## SUPREME Allowable Ceiling Spans (SFS-Sections) - L/360

Section	Fy (ksi)	4 psf						6 psf						13 psf *					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unsupported			Midspan			Unsupported			Midspan			Unsupported			Midspan		
		Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center			Joist Spacing (in) on center		
162SFS-D20	57	6' 5"	5' 10"	5' 1"	6' 5"	5' 10"	5' 1"	5' 7"	5' 1"	4' 5"	5' 7"	5' 1"	4' 5"	4' 4"	3' 11"	3' 5"	4' 4"	3' 11"	3' 5"
162SFS-D24	57	8' 3"	7' 6"	6' 6"	8' 3"	7' 6"	6' 6"	7' 2"	6' 6"	5' 8"	7' 2"	6' 6"	5' 8"	5' 7"	5' 0"	4' 5"	5' 7"	5' 0"	4' 5"
250SFS-D20	57	9' 5"	8' 9"	7' 10"	10' 7"	9' 8"	8' 5"	8' 6"	7' 10"	6' 11"	9' 3"	8' 5"	7' 4"	6' 9"	6' 2"	5' 6"	7' 2"	6' 6"	5' 8"
250SFS-D24	57	10' 7"	9' 10"	8' 10"	11' 5"	10' 5"	9' 1"	9' 6"	8' 10"	7' 11"	10' 0"	9' 1"	7' 11"	7' 9"	7' 0"	6' 1"	7' 9"	7' 0"	6' 1"
350SFS-D20	57	10' 5"	9' 8"	8' 8"	13' 8"	12' 5"	10' 10"	9' 4"	8' 8"	7' 9"	11' 11"	10' 10"	9' 6"	7' 6"	6' 11"	6' 1"	9' 3"	8' 5"	6' 6"
350SFS-D24	57	11' 6"	10' 8"	9' 7"	14' 11"	13' 6"	11' 10"	10' 4"	9' 7"	8' 7"	13' 0"	11' 10"	10' 4"	8' 5"	7' 9"	6' 11"	10' 0"	9' 1"	7' 11"
362SFS-D20	57	10' 6"	9' 9"	8' 10"	14' 0"	12' 9"	11' 2"	9' 6"	8' 10"	7' 10"	12' 3"	11' 2"	9' 9"	7' 7"	7' 0"	6' 2"	9' 6"	8' 7"	6' 6"
362SFS-D24	57	11' 7"	10' 9"	9' 8"	15' 4"	13' 11"	12' 2"	10' 5"	9' 8"	8' 8"	13' 4"	12' 2"	10' 7"	8' 6"	7' 10"	7' 0"	10' 4"	9' 4"	8' 2"
400SFS-D20	57	10' 10"	10' 1"	9' 0"	14' 10"	13' 6"	11' 9"	9' 9"	9' 0"	8' 0"	13' 0"	11' 9"	10' 4"	7' 9"	7' 2"	6' 4"	10' 0"	9' 1"	8' 0"
400SFS-D24	57	11' 11"	11' 0"	9' 11"	16' 6"	15' 0"	13' 1"	10' 8"	9' 11"	8' 11"	14' 5"	13' 1"	11' 5"	8' 8"	8' 1"	7' 2"	11' 2"	10' 2"	8' 10"
550SFS-D24	57	13' 3"	12' 4"	11' 1"	19' 3"	17' 11"	16' 2"	11' 11"	11' 1"	10' 0"	17' 5"	16' 2"	14' 6"	9' 10"	9' 1"	8' 3"	14' 1"	12' 4"	8' 3"
600SFS-D24	57	13' 7"	12' 7"	11' 4"	19' 5"	18' 0"	16' 2"	12' 3"	11' 4"	10' 2"	17' 5"	16' 2"	14' 5"	9' 11"	9' 2"	8' 3"	14' 1"	12' 4"	8' 3"

\*Loads that exceed 10 psf limit require a G60 galvanized coating.

"e" Web stiffeners required at ends.

See Table Notes and figures on page 71.

## Table Notes

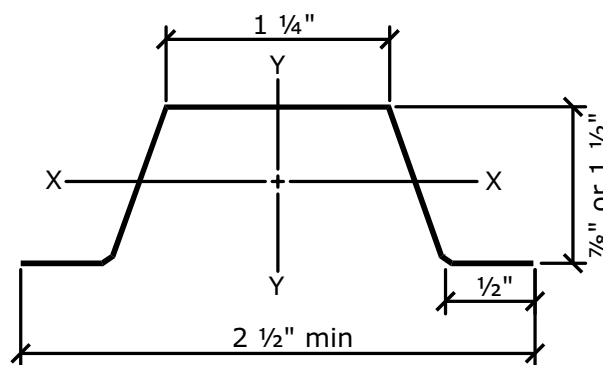
1. If present, hems and offsets in flanges are ignored.
2. Effective properties are given as the minimum value for positive or negative bending.
3. See page 5 for additional table notes.

### (Hat) Furring Channel Section Properties (F-Sections)

Section	F <sub>y</sub> (ksi)	Design Thickness (in)	Gross Properties					Effective Properties			
			Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>e</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	M <sub>a</sub> (in-k)
087F125-18	33	0.0188	0.070	0.239	0.009	0.356	0.0354	0.710	0.0086	0.0160	0.317
087F125-30	33	0.0312	0.115	0.391	0.014	0.353	0.0580	0.710	0.0143	0.0307	0.606
087F125-33	33	0.0346	0.127	0.432	0.016	0.351	0.0641	0.710	0.0157	0.0337	0.665
087F125-43	33	0.0451	0.162	0.550	0.020	0.348	0.0817	0.711	0.0196	0.0420	0.830
150F125-18	33	0.0188	0.094	0.320	0.031	0.575	0.0467	0.705	0.0299	0.0344	0.679
150F125-30	33	0.0312	0.154	0.525	0.050	0.571	0.0767	0.705	0.0503	0.0639	1.263
150F125-33	33	0.0346	0.171	0.581	0.055	0.570	0.0848	0.705	0.0554	0.0704	1.391
150F125-43	33	0.0451	0.219	0.745	0.070	0.565	0.1087	0.705	0.0699	0.0888	1.755

### SUPREME (Hat) Furring Channel Section Properties (F-Sections)

Section	F <sub>y</sub> (ksi)	Design Thickness (in)	Gross Properties					Effective Properties			
			Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>e</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	M <sub>a</sub> (ft-lb)
087F125-D20	57	0.0188	0.070	0.239	0.009	0.357	0.0354	0.711	0.0080	0.0146	41.39
087F125-D24	57	0.0235	0.087	0.297	0.011	0.355	0.0441	0.711	0.0104	0.0195	55.41
087F125-33EQS	57	0.0295	0.109	0.370	0.014	0.353	0.0550	0.711	0.0135	0.0262	74.39
087F125-43EQS	57	0.0400	0.145	0.495	0.018	0.350	0.0734	0.711	0.0178	0.0381	108.48
150F125-D24	57	0.0235	0.117	0.398	0.038	0.574	0.0581	0.705	0.0368	0.0421	119.63
150F125-33EQS	57	0.0295	0.146	0.497	0.048	0.572	0.0726	0.705	0.0472	0.0557	158.43
150F125-43EQS	57	0.0400	0.196	0.667	0.063	0.568	0.0974	0.705	0.0631	0.0802	228.11



## Table Notes

1. Single spans are the minimum span based on moment, shear, web crippling, or deflection.
2. Multiple spans indicate two or more equal and continuous spans with span length measured support to support.
3. Web crippling check is based on 1" of bearing at end and interior supports.
4. Multiple spans are the minimum span based on moment, shear, web crippling, deflection, combined bending and shear, or combined bending and web crippling.
5. See page 5 for additional table notes.

(Hat) Furring Channel Allowable Ceiling Spans (F-Sections) - L/240											
Section	Fy (ksi)	Spans	4 psf			6 psf			13 psf *		
			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	5' 2"	4' 9"	4' 1"	4' 6"	4' 1"	3' 7"	3' 6"	3' 2"	2' 9"
		Multiple	6' 5"	5' 10"	5' 1"	5' 7"	5' 1"	4' 2"	4' 0"	3' 6"	2' 10"
087F125-30	33	Single	6' 2"	5' 7"	4' 11"	5' 5"	4' 11"	4' 3"	4' 2"	3' 9"	3' 4"
		Multiple	7' 7"	6' 11"	6' 1"	6' 8"	6' 1"	5' 3"	5' 2"	4' 8"	3' 11"
087F125-33	33	Single	6' 4"	5' 9"	5' 1"	5' 7"	5' 1"	4' 5"	4' 4"	3' 11"	3' 5"
		Multiple	7' 10"	7' 2"	6' 3"	6' 10"	6' 3"	5' 5"	5' 4"	4' 10"	4' 1"
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' 9"	5' 2"	4' 6"
150F125-18	33	Single	7' 11"	7' 2"	6' 3"	6' 11"	6' 3"	5' 6"	5' 4"	4' 10"	4' 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"

(Hat) Furring Channel Allowable Ceiling Spans (F-Sections) - L/360											
Section	Fy (ksi)	Spans	4 psf			6 psf			13 psf *		
			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	4' 6"	4' 1"	3' 7"	4' 0"	3' 7"	3' 2"	3' 1"	2' 9"	2' 5"
		Multiple	5' 7"	5' 1"	4' 5"	4' 11"	4' 5"	3' 11"	3' 9"	3' 5"	2' 10"
087F125-30	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"

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



## SUPREME (Hat) Furring Channel Allowable Ceiling Spans (F-Sections) - L/240

Section	Fy (ksi)	Spans	4 psf			6 psf			13 psf*		
			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
			12	16	24	12	16	24	12	16	24
087F125-D20	57	Single	5' 1"	4' 7"	4' 0"	4' 5"	4' 0"	3' 6"	3' 5"	3' 1"	2' 9"
		Multiple	6' 4"	5' 9"	5' 0"	5' 6"	5' 0"	4' 4"	4' 3"	3' 10"	3' 4"
087F125-D24	57	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"
087F125-33EQS	57	Single	6' 1"	5' 6"	4' 10"	5' 3"	4' 10"	4' 2"	4' 1"	3' 9"	3' 3"
		Multiple	7' 6"	6' 10"	5' 11"	6' 6"	5' 11"	5' 2"	5' 1"	4' 7"	4' 0"
087F125-43EQS	57	Single	6' 8"	6' 0"	5' 3"	5' 10"	5' 3"	4' 7"	4' 6"	4' 1"	3' 7"
		Multiple	8' 2"	7' 5"	6' 6"	7' 2"	6' 6"	5' 8"	5' 6"	5' 0"	4' 5"
150F125-D24	57	Single	8' 5"	7' 8"	6' 8"	7' 5"	6' 8"	5' 10"	5' 8"	5' 2"	4' 6"
		Multiple	10' 5"	9' 6"	8' 4"	9' 2"	8' 4"	7' 3"	7' 1"	6' 5"	5' 7"
150F125-33EQS	57	Single	9' 2"	8' 4"	7' 3"	8' 0"	7' 3"	6' 4"	6' 2"	5' 8"	4' 11"
		Multiple	11' 4"	10' 4"	9' 0"	9' 11"	9' 0"	7' 10"	7' 8"	7' 0"	6' 1"
150F125-43EQS	57	Single	10' 1"	9' 2"	8' 0"	8' 10"	8' 0"	7' 0"	6' 10"	6' 2"	5' 5"
		Multiple	12' 6"	11' 4"	9' 11"	10' 11"	9' 11"	8' 8"	8' 5"	7' 8"	6' 8"

\*Loads that exceed 10 psf limit require a G60 galvanized coating.

See Table Notes on page 80.

## SUPREME (Hat) Furring Channel Allowable Ceiling Spans (F-Sections) L/360

Section	Fy (ksi)	Spans	4 psf			6 psf			13 psf*		
			Spacing (in) on center			Spacing (in) oc			Spacing (in) oc		
			12	16	24	12	16	24	12	16	24
087F125-D20	57	Single	4' 5"	4' 0"	3' 6"	3' 11"	3' 6"	3' 1"	3' 0"	2' 9"	2' 5"
		Multiple	5' 6"	5' 0"	4' 4"	4' 10"	4' 4"	3' 10"	3' 9"	3' 4"	2' 11"
087F125-D24	57	Single	4' 10"	4' 5"	3' 10"	4' 3"	3' 10"	3' 4"	3' 3"	3' 0"	2' 7"
		Multiple	6' 0"	5' 5"	4' 9"	5' 3"	4' 9"	4' 2"	4' 1"	3' 8"	3' 3"
087F125-33EQS	57	Single	5' 3"	4' 10"	4' 2"	4' 7"	4' 2"	3' 8"	3' 7"	3' 3"	2' 10"
		Multiple	6' 6"	5' 11"	5' 2"	5' 9"	5' 2"	4' 6"	4' 5"	4' 0"	3' 6"
087F125-43EQS	57	Single	5' 10"	5' 3"	4' 7"	5' 1"	4' 7"	4' 0"	3' 11"	3' 7"	3' 1"
		Multiple	7' 2"	6' 6"	5' 8"	6' 3"	5' 8"	5' 0"	4' 10"	4' 5"	3' 10"
150F125-D24	57	Single	7' 5"	6' 8"	5' 10"	6' 5"	5' 10"	5' 1"	5' 0"	4' 6"	3' 11"
		Multiple	9' 2"	8' 4"	7' 3"	8' 0"	7' 3"	6' 4"	6' 2"	5' 7"	4' 11"
150F125-33EQS	57	Single	8' 0"	7' 3"	6' 4"	7' 0"	6' 4"	5' 7"	5' 5"	4' 11"	4' 4"
		Multiple	9' 11"	9' 0"	7' 10"	8' 8"	7' 10"	6' 11"	6' 8"	6' 1"	5' 4"
150F125-43EQS	57	Single	8' 10"	8' 0"	7' 0"	7' 9"	7' 0"	6' 2"	6' 0"	5' 5"	4' 9"
		Multiple	10' 11"	9' 11"	8' 8"	9' 7"	8' 8"	7' 7"	7' 5"	6' 8"	5' 10"

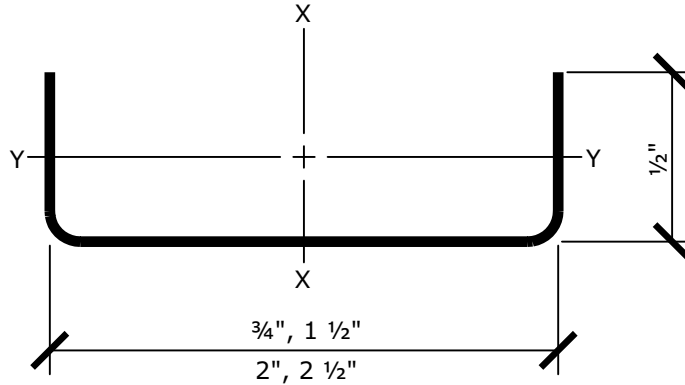
\*Loads that exceed 10 psf limit require a G60 galvanized coating.

See Table Notes on page 80.

## Table Notes

1. Inside bend radius taken as  $\frac{3}{32}$ ".
2. See page 5 for additional table notes.

U-Channel Section Properties												
Section	Fy (ksi)	Design Thickness (in)	Gross Properties					Effective Properties				
			Area (in <sup>2</sup> )	Weight (lb/ft)	Ix (in <sup>4</sup> )	Rx (in)	Iy (in <sup>4</sup> )	Ry (in)	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Ma (in-k)	Va (lb)
75U050-54	50	0.0566	0.087	0.3	0.007	0.288	0.002	0.155	0.007	0.019	0.67	477
150U050-54	50	0.0566	0.129	0.44	0.039	0.547	0.003	0.144	0.039	0.052	1.81	1273
200U050-54	50	0.0566	0.157	0.54	0.079	0.709	0.003	0.136	0.079	0.079	2.77	1803
250U050-54	50	0.0566	0.186	0.63	0.139	0.866	0.003	0.128	0.139	0.111	3.91	2334



## Table Notes

1. Multiple span indicates two or more equal spans with channel continuous over interior supports.
2. Listed spans are based on unbraced compression flanges.
3. Web crippling check is based on  $\frac{3}{4}$ " bearing at end and interior supports. No bearing stiffeners are required.
4. See page 5 for additional table notes.

Allowable Ceiling Spans (U-Sections) - L/240																						
Section	Fy (ksi)	Spans	4 psf					6 psf					13 psf*					15 psf*				
			Channel Spacing (in) on center					Channel Spacing (in) on center					Channel Spacing (in) on center					Channel Spacing (in) on center				
			24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	50	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' 10"	2' 6"	2' 2"	2' 0"	1' 10"	1' 9"
		Multiple	4' 10"	4' 2"	3' 10"	3' 7"	3' 4"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	3' 3"	2' 10"	2' 7"	2' 5"	2' 3"	3' 1"	2' 8"	2' 5"	2' 3"	2' 2"
150U050-54	50	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 4"	3' 0"	2' 10"	2' 8"	3' 7"	3' 2"	2' 11"	2' 8"	2' 6"
		Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 3"	3' 10"	3' 7"	3' 4"	4' 7"	4' 0"	3' 8"	3' 5"	3' 2"
200U050-54	50	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' 7"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"
250U050-54	50	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' 8"	5' 0"	4' 5"	4' 0"	3' 9"	3' 7"

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

Allowable Ceiling Spans (U-Sections) - L/360																						
Section	Fy (ksi)	Spans	4 psf					6 psf					13 psf*					15 psf*				
			Spacing (in) on center					Spacing (in) on center					Spacing (in) on center					Spacing (in) on center				
			24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	50	Single	3' 5"	3' 0"	2' 8"	2' 6"	2' 4"	3' 0"	2' 7"	2' 4"	2' 2"	2' 1"	2' 4"	2' 0"	1' 10"	1' 8"	1' 7"	2' 2"	1' 11"	1' 9"	1' 7"	1' 6"
		Multiple	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	3' 8"	3' 2"	2' 11"	2' 8"	2' 7"	2' 10"	2' 6"	2' 3"	2' 1"	2' 0"	2' 8"	2' 4"	2' 2"	2' 0"	1' 10"
150U050-54	50	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 4"	3' 0"	2' 10"	2' 8"	3' 7"	3' 2"	2' 11"	2' 8"	2' 6"
		Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 3"	3' 10"	3' 7"	3' 4"	4' 7"	4' 0"	3' 8"	3' 5"	3' 2"
200U050-54	50	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' 7"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"
250U050-54	50	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' 8"	5' 0"	4' 5"	4' 0"	3' 9"	3' 7"

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

## Screw Capacities

### Table Notes

- Capacities based on AISI S100 Section E4.
- 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.
- Pull-out capacity is based on the lesser of pull-out capacity in sheet closest to screw tip or tension strength of screw.
- Pull-over capacity is based on the lesser of pull-over capacity for sheet closest to screw header or tension strength of screw.
- Values are for pure shear or tension loads. See AISI Section E4.5 for combined shear and pull-over.
- Screw Shear (Pss), tension (Pts), diameter, and head diameter are from CFSEI Tech Note (F701-12).
- Screw shear strength is the average value, and tension strength is the lowest value listed in CFSEI Tech Note (F701-12).
- Higher values for screw strength (Pss, Pts), may be obtained by specifying screws from a specific manufacturer.

Allowable Screw Connection Capacity (lbs)																		
Thickness (Mils)	Design Thickness	Fy Yield (ksi)	Fu Tensile (ksi)	#6 Screw (Pss = 643 lbs, Pts = 419 lbs)			#8 Screw (Pss = 1278 lbs, Pts = 586 lbs)			#10 Screw (Pss = 1644 lbs, Pts = 1158 lbs)			#12 Screw (Pss = 2330 lbs, Pts = 2325 lbs)			¼" Screw (Pss = 3048 lbs, Pts = 3201 lbs)		
				0.138" dia, 0.272" Head			0.164" dia, 0.272" Head			0.190" dia, 0.340" Head			0.216" dia, 0.340" Head			0.250" dia, 0.409" Head		
				Shear	Pull-Out	Pull-Over	Shear	Pull-Out	Pull-Over	Shear	Pull-Out	Pull-Over	Shear	Pull-Out	Pull-Over	Shear	Pull-Out	Pull-Over
18	0.0188	33	33	44	24	84	48	29	84	52	33	105	55	38	105	60	44	127
27	0.0283	33	33	82	37	127	89	43	127	96	50	159	102	57	159	110	66	191
30	0.0312	33	33	95	40	140	103	48	140	111	55	175	118	63	175	127	73	211
33	0.0346	33	45	151	61	140	164	72	195	177	84	265	188	95	265	203	110	318
43	0.0451	33	45	214	79	140	244	94	195	263	109	345	280	124	345	302	144	415
54	0.0566	33	45	214	100	140	344	118	195	370	137	386	394	156	433	424	180	521
68	0.0713	33	45	214	125	140	426	149	195	523	173	386	557	196	545	600	227	656
97	0.1017	33	45	214	140	140	426	195	195	548	246	386	777	280	775	1,016	324	936
118	0.1242	33	45	214	140	140	426	195	195	548	301	386	777	342	775	1,016	396	1,067
54	0.0566	50	65	214	140	140	426	171	195	534	198	386	569	225	625	613	261	752
68	0.0713	50	65	214	140	140	426	195	195	548	249	386	777	284	775	866	328	948
97	0.1017	50	65	214	140	140	426	195	195	548	356	386	777	405	775	1,016	468	1,067
118	0.1242	50	65	214	140	140	426	195	195	548	386	386	777	494	775	1,016	572	1,067

SUPREME Allowable Screw Connection Capacity (Pounds Per Screw)																		
Thickness (mil)	Design Thickness (in)	Fy Yield (ksi)	Fu Tensile (ksi)	#6 Screw (Pss = 643 lbs, Pts = 419 lbs)			#8 Screw (Pss = 1278 lbs, Pts = 586 lbs)			#10 Screw (Pss = 1644 lbs, Pts = 1158 lbs)			#12 Screw (Pss = 2330 lbs, Pts = 2325 lbs)			¼" Screw (Pss = 3048 lbs, Pts = 3201 lbs)		
				0.138" Dia; 0.272" Head			0.164" Dia; 0.272" Head			0.190" Dia; 0.340" Head			0.216" Dia; 0.340" Head			0.250" Dia; 0.409" Head		
				Shear	Pull-Out	Pull-Over	Shear	Pull-Out	Pull-Over	Shear	Pull-Out	Pull-Over	Shear	Pull-Out	Pull-Over	Shear	Pull-Out	Pull-Over
D25	0.0155	50	65	111 <sup>1</sup>	39	137	111 <sup>1</sup>	47	137	111 <sup>1</sup>	54	171	-	-	-	-	-	-
D20	0.0188	57	65	142 <sup>1</sup>	48	140	150 <sup>1</sup>	57	166	164 <sup>1</sup>	66	208	109	75	208	-	-	-
D24	0.0235	57	65	174 <sup>1</sup>	60	140	184 <sup>1</sup>	71	195	236 <sup>1</sup>	82	260	152	93	260	-	-	-
33EQS	0.0295	57	65	171	75	140	187	89	195	201	103	326	214	117	326	231	136	392
43EQS	0.0400	57	65	270	102	140	295	121	195	317	140	386	338	159	442	364	184	532

<sup>1</sup>Values are based on testing using AISI S100 procedures.

## Weld Capacities

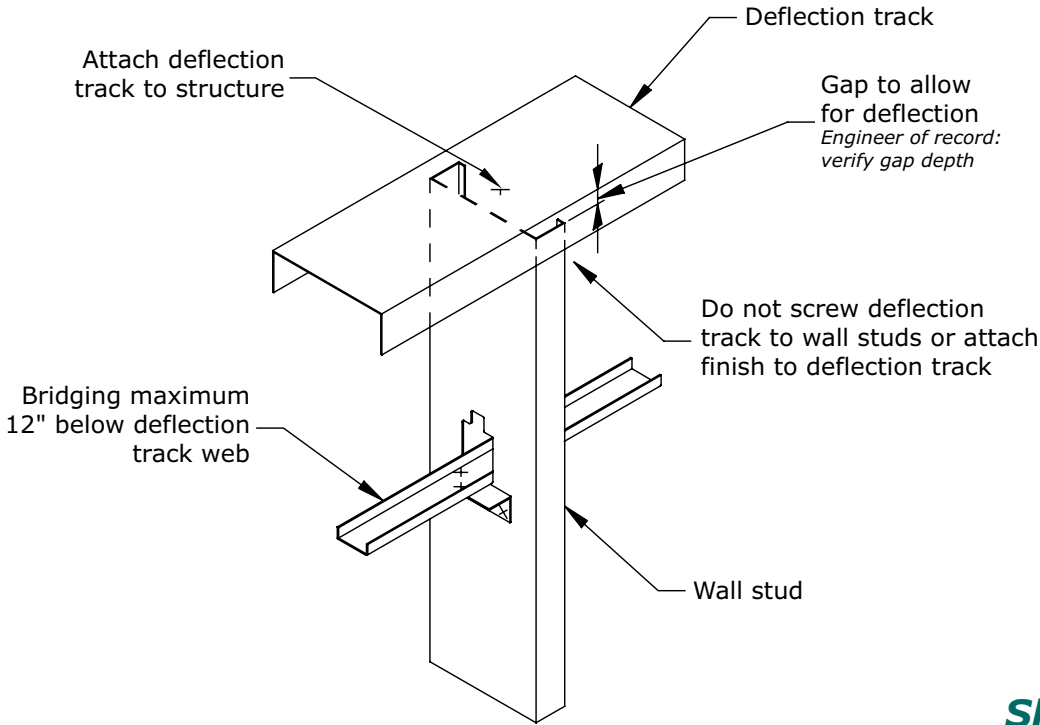
### Table Notes

- Capacities based on the AISI S100 Specification Sections E2.4 for fillet welds and E2.5 for flare groove welds.
- When connecting materials of different steel thicknesses or tensile strengths, use the lowest values.
- Capacities are based on Allowable Strength Design (ASD).
- Weld capacities are based on E60 electrodes. For material thinner than 68 mil, 0.030" to 0.035" diameter wire electrodes may provide best results.
- Longitudinal capacity is considered to be loading in the direction of the length of the weld.
- Transverse capacity is loading in perpendicular direction of the length of the weld.
- For flare groove welds, the effective throat of weld is conservatively assumed to be less than 2t.
- For longitudinal fillet welds, a minimum value of EQ E2.4-1, E2.4-2, and E2.4-4 was used.
- For transverse fillet welds, a minimum value of EQ E2.4-3 and E2.4-4 was used.
- For longitudinal flare groove welds, a minimum value of EQ E2.5-2 and E2.5-3 was used.

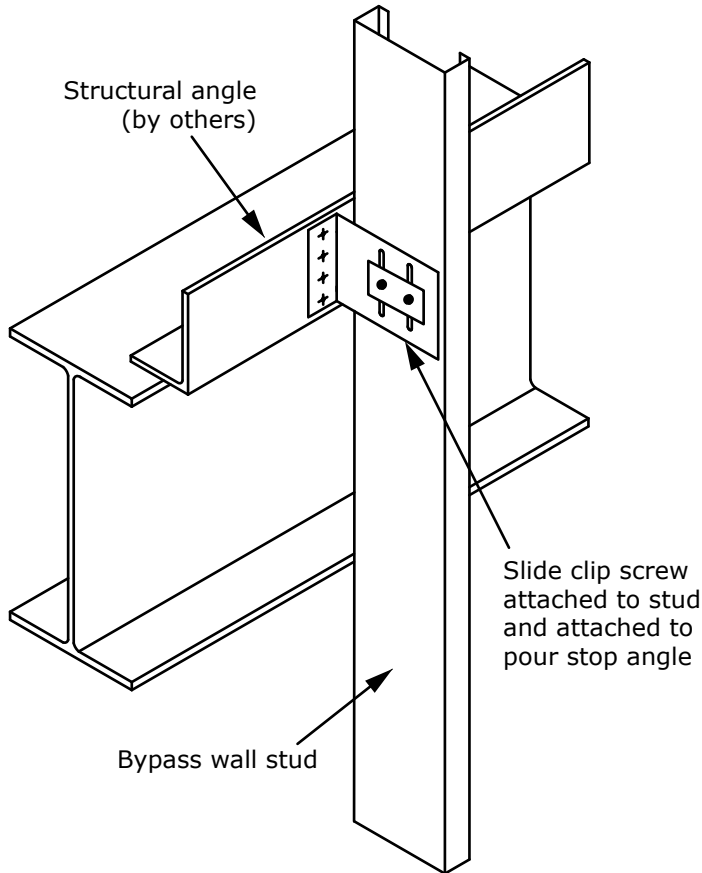
Allowable Weld Capacity (lbs / in)							
Thickness (Mils)	Design Thickness (in)	F <sub>y</sub> Yield (ksi)	F <sub>u</sub> Tensile (ksi)	Fillet Welds		Flare Groove Welds	
				Longitudinal	Transverse	Longitudinal	Transverse
43EQS	0.0400	57	65	639	1106	696	849
43	0.0451	33	45	499	864	544	663
54	0.0566	33	45	626	1084	682	832
68	0.0713	33	45	789	1365	859	1048
97	0.1017	33	45	1125	1269	- <sup>1</sup>	- <sup>1</sup>
54	0.0566	50	65	905	1566	985	1202
68	0.0713	50	65	1140	1972	1241	1514
97	0.1017	50	65	1269	1269	- <sup>1</sup>	- <sup>1</sup>

<sup>1</sup>Weld capacity for material thickness greater than 0.10" requires engineering judgment to determine leg of welds, W1 and W2.

### Deflection Track

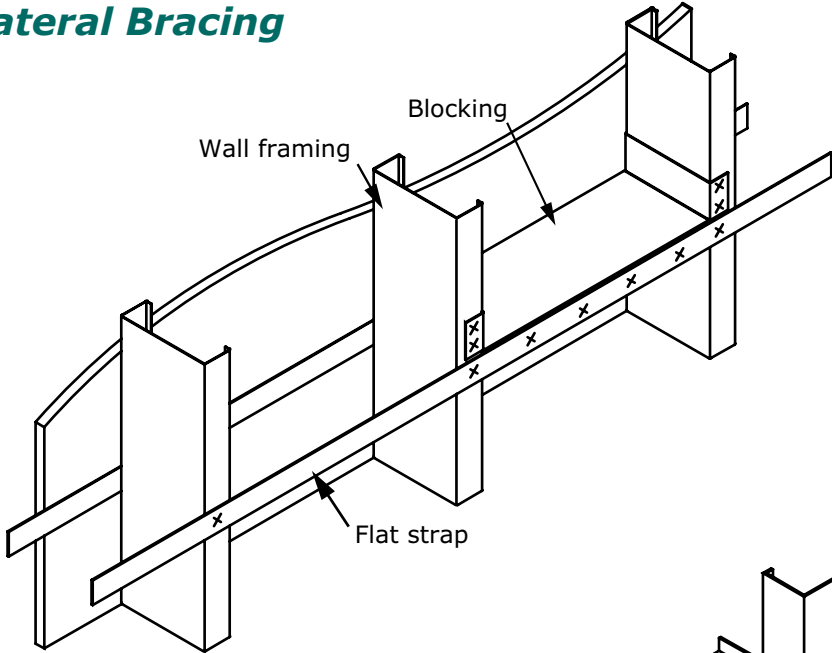


### Slide Clip Attachment

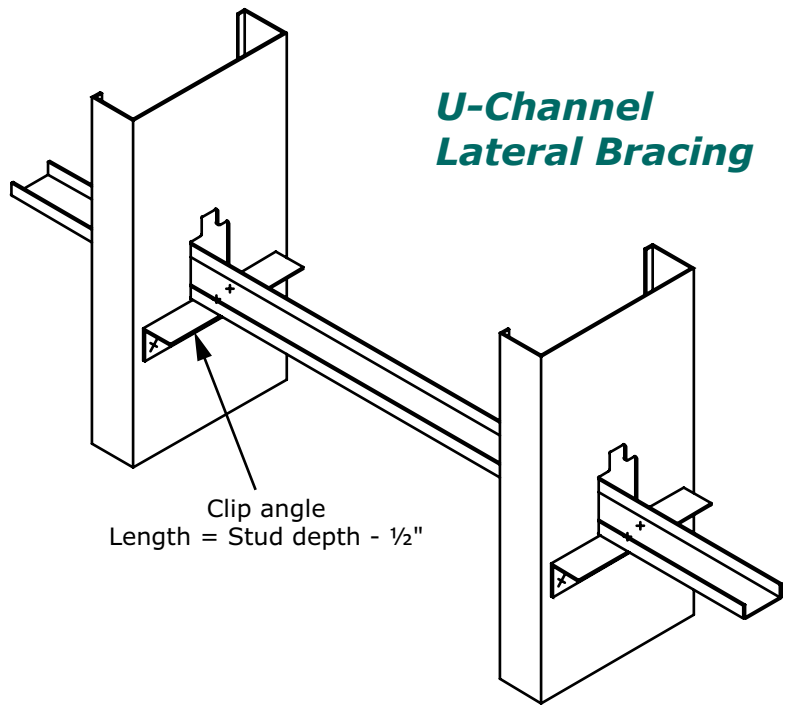


**General Note:**  
*All connections should be designed by a licensed design professional.*

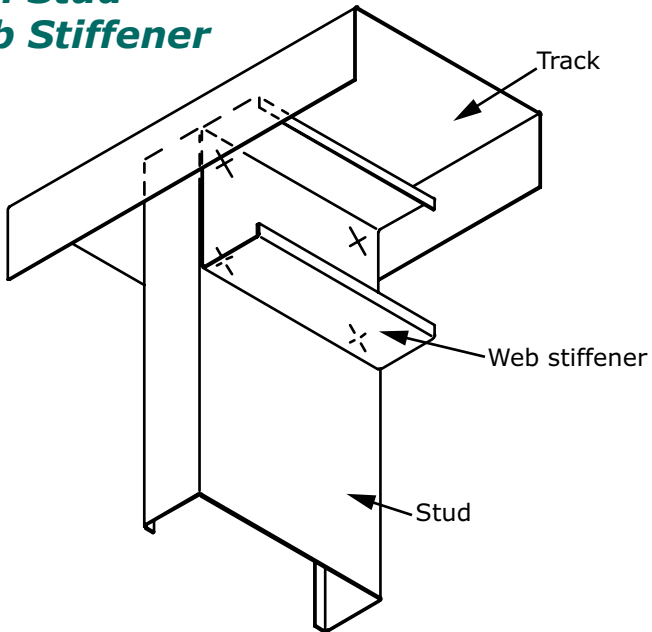
## Flat Strap Lateral Bracing



## U-Channel Lateral Bracing



## Wall Stud Web Stiffener



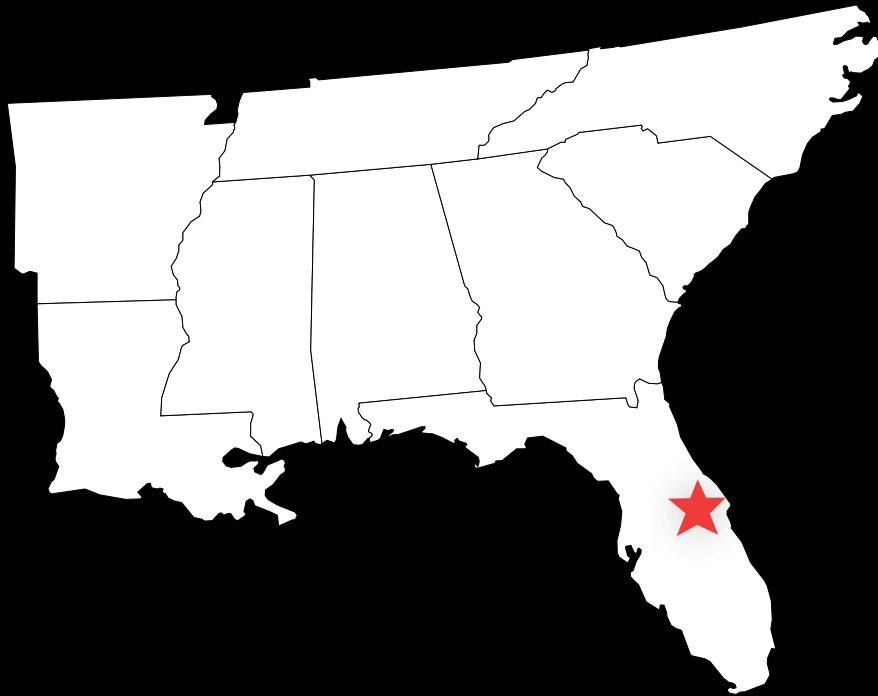
**General Note:**  
All connections should be designed  
by a licensed design professional.



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