



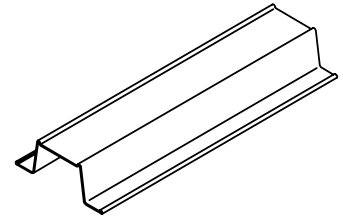
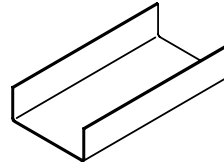
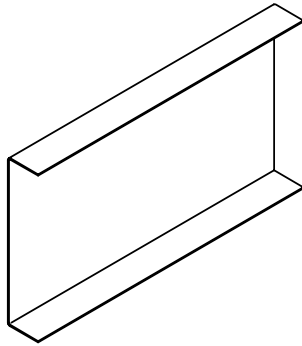
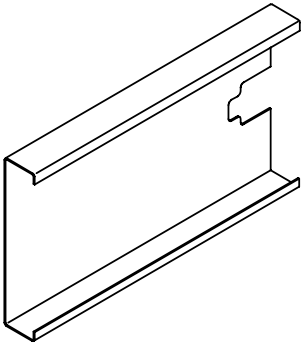
Now with SUPREME FRAMING SYSTEM!



PRODUCT TECHNICAL GUIDE

Steel Stud Manufacturers Association





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

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

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

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

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

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.

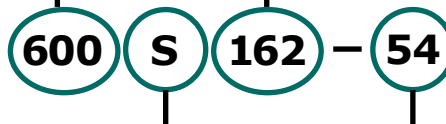
For all "T" sections, member depth is the inside to inside dimension.

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

Flange Width

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

(Example: $1\frac{5}{8}$ " = 1.625" $\approx$ **162** $\times \frac{1}{100}$ 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	... ^A	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

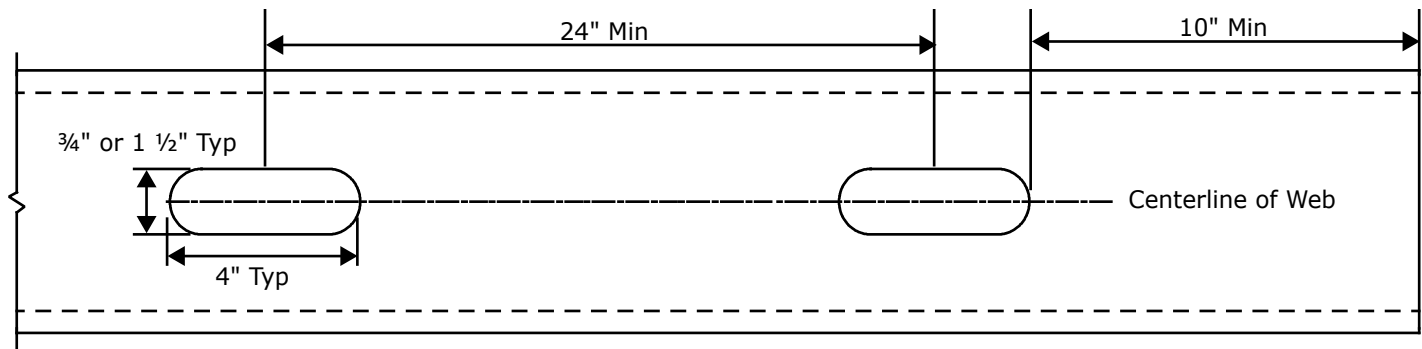
^ANo tensile requirements for nonstructural steel in accordance with ASTM A1003 standards

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

1. 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.
2. 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.
3. The structural properties included in this catalog have been computed based on allowable strength design (ASD) method.
4. Distortional buckling calculations are based on $K\phi = 0$.
5. 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.
6. Conditions with loads that exceed the 10 psf limit for nonstructural members require an approved G60 coating.
7. 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.
8. The 10" end distance shown may be altered if calculations are in conformance with code.



Steel Thickness Table

Designation Thickness (mil)	Minimum Thickness ¹ (in)	Design Thickness ¹ (in)	Design Inside Corner Radii ² (in)	Reference Only Gauge No.
18	0.0179	0.0188	0.0843	25
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

¹Minimum 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.

²The tables in this catalog are calculated based on inside corner radii listed in this table. The inside corner radius is the maximum of $\frac{3}{32} - t/2$ 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 ¹ (in)	Design Thickness ¹ (in)	Design Inside Corner Radii ² (in)	Reference Only Gauge No.
D25	0.0147	0.0155	0.0860	25 – Drywall
D20	0.0179	0.0188	0.0844	20 – Drywall
30EQD	0.0223	0.0235	0.0820	20 – Drywall
33EQD	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

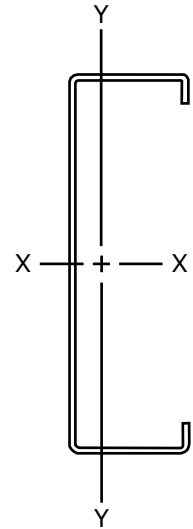
¹Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the jobsite based on AISI S100-07 Section A2.4.

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.
 β : $1 - (X_o/R_o)^2$
 L_u : Critical unbraced length for lateral-torsional buckling. Members are considered fully braced when unbraced length is less than L_u .
 $K\phi$: Distortional buckling moment (M_{ad}) is calculated without the beneficial effect of sheathing to rotational stiffness. $K\phi = 0$.

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

Mil Thickness	D25	18 mil	D20	30EQD/ 33EQD	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	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	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 ¹	3.794	202 ¹	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 ¹	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 ¹	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	-	7.781	249 ¹	7.783	-	7.778	225 ¹	7.778	194	7.767	172	7.717	136	7.644	107	7.492	74	7.379	59
10	-	-	-	-	-	-	-	-	-	-	-	-	9.778	-	-	-	9.767	217 ¹	9.717	172	9.644	135	9.492	93	9.379	76
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.767	-	11.717	207 ¹	11.644	164	11.492	113	11.379	92
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.717	242 ¹	13.644	192	13.492	133	13.379	108
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.717	-	15.644	220 ¹	15.492	152	15.379	124

¹h/t exceeds 200

²h 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.

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

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

SUPREME Nonstructural (SFS) Section Properties

Section	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties					Torsional Properties							Lu (in)
			Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Sx (in ³)	Rx (in)	Iy (in ⁴)	Ry (in)	Ixe (in ⁴)	Sxe (in ³)	Mal (in-k)	Mad (in-k)	Vag (lb)	VaNet (lb)	Jx1000 (in ⁴)	Cw (in ⁶)	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-30EQD	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
162SFS-33EQD	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-30EQD	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
250SFS-33EQD	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 ¹	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-30EQD	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
350SFS-33EQD	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 ¹	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-30EQD	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
362SFS-33EQD	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 ¹	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 ¹	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-30EQD	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
400SFS-33EQD	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 ²	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 ²	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-30EQD ¹	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
550SFS-33EQD ¹	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 ²	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 ²	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-30EQD ¹	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
600SFS-33EQD ¹	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

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

²Web 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.

Section	Design Thickness (in)	Fy (ksi)	Gross Properties							Effective Properties						Torsional Properties						Lu (in)
			Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Sx (in ³)	Rx (in)	Iy (in ⁴)	Ry (in)	Ixe (in ⁴)	Sxe (in ³)	Mal (in-k)	Mad (in-k)	Vag (lb)	Vanet (lb)	Jx1000 (in ⁴)	Cw (in ⁶)	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 ¹	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 ¹	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 ²	282.84	12745	11287	14.099	155.387	-2.130	1.360	5.778	0.864	66.1
1600S162-68 ¹	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 ¹	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 ¹	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 ¹	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 ¹	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

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

²Allowable 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 (in²)	Weight (lb/ft)	Ix (in⁴)	Sx (in³)	Rx (in)	Iy (in⁴)	Ry (in)	Ixe (in⁴)	Sxe (in³)	Mal (in-k)	Mad (in-k)	Vag (lb)	VaNet (lb)	Jx1000 (in⁴)	Cw (in⁶)	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.

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-30EQD	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"	-	-	-	-	-
162SFS-33EQD	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-30EQD	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"	-	-	-	-
250SFS-33EQD	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-30EQD	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"
362SFS-33EQD	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-30EQD	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
400SFS-33EQD	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-30EQD	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"	-	-	-
600SFS-33EQD	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

- 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.
- 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.
- Web crippling check based on 1" end bearing.
- Studs are assumed to be adequately braced at maximum spacing of L_u to develop full allowable moment.
- See page 5 for additional table notes.

Section	F _y (ksi)	L _u (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"e	5' 10"e	5' 10"e
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"e	8' 5"e	8' 5"e
			24	9' 9"	9' 9"	9' 7"	7' 11"e	7' 11"e	7' 11"e	6' 11"e	6' 11"e	6' 11"e
350S125-30	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"e	9' 11"e	9' 11"e
			16	12' 2"	12' 2"	11' 4"	9' 11"e	9' 11"e	9' 11"e	8' 7"e	8' 7"e	8' 7"e
			24	9' 11"e	9' 11"e	9' 11"e	8' 1"e	8' 1"e	8' 1"e	7' 0"e	7' 0"e	7' 0"e
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"

¹ 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 _y (ksi)	L _w (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 ¹	33	28.7	12	14' 9"e	14' 9"e	13' 6"e	12' 1"e	12' 1"e	11' 9"e	10' 5"e	10' 5"e	10' 5"e
			16	12' 10"e	12' 10"e	12' 3"e	10' 5"e	10' 5"e	10' 5"e	9' 1"e	9' 1"e	9' 1"e
			24	10' 5"e	10' 5"e	10' 5"e	8' 6"e	8' 6"e	8' 6"e	7' 5"e	7' 5"e	7' 5"e
400S125-30	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" e	12' 10" e	12' 10" e
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' 1"
			24	18' 11"	18' 11"	17' 6"	15' 6"	15' 6"	15' 3"	13' 5"e	13' 5"e	13' 5"e
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"

¹ 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

- 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.
- Web crippling check is based on 1" end bearing.
- Allowable moment is the lesser of M_{ai} and M_{ad} . Stud distortional buckling based on an assumed $K\phi = 0$.
- 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.
- See page 5 for additional table notes.

SUPREME Interior Wall Heights - Non-Composite - Fully Braced												
Section	F _y (ksi)	L _u	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-30EQD	57	29.0	12	11' 0"	8' 9"	-	9' 8"	-	-	8' 9"	-	-
			16	10' 0"	-	-	8' 9"	-	-	-	-	-
			24	8' 9"	-	-	-	-	-	-	-	-
162SFS-33EQD	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-30EQD	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"	-	-
250SFS-33EQD	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 ¹	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-30EQD	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"
350SFS-33EQD	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 ¹	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-30EQD	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"
362SFS-33EQD	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"

¹Web 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 _y (ksi)	L _w	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 ¹	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 ¹	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-30EQD	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"
400SFS-33EQD	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-30EQD ¹	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"
550SFS-33EQD ¹	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-30EQD ¹	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"
600SFS-33EQD ¹	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"

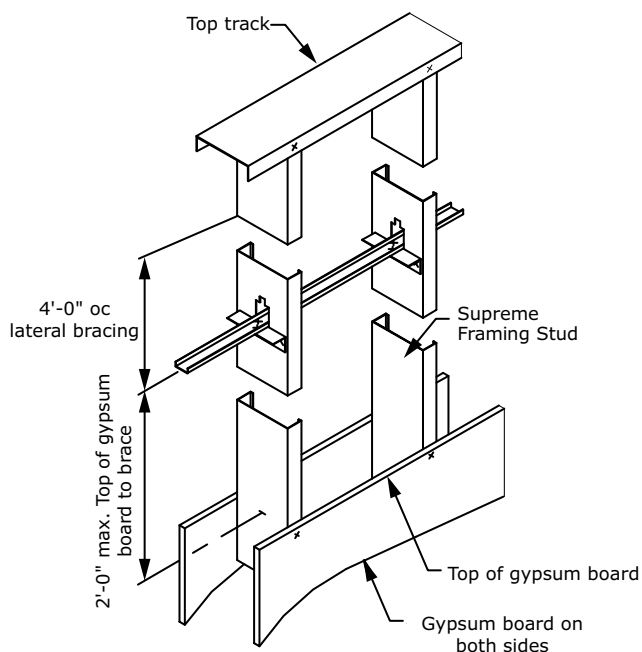
¹Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.

"e" Web stiffeners required at ends.

See Table Notes on page 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.

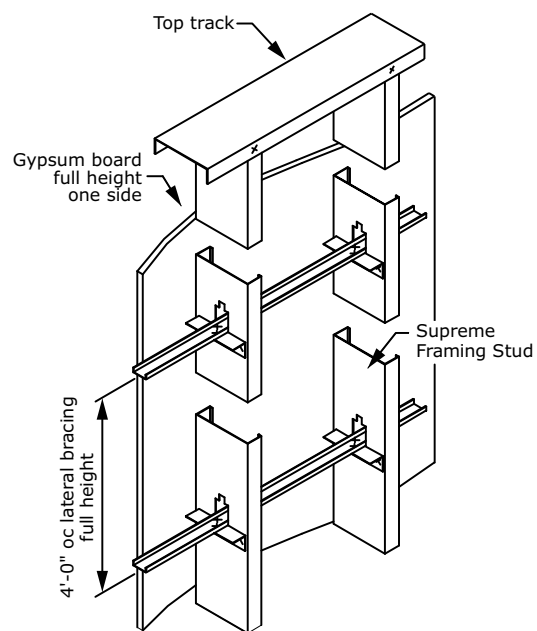


Table Notes

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 _y (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-30EQD	57	12	11' 0"	8' 9"	-	9' 8"	-	-	8' 9"	-	-
		16	10' 0"	-	-	8' 9"	-	-	-	-	-
		24	8' 9"	-	-	-	-	-	-	-	-
162SFS-33EQD	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-30EQD	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"	-	-
250SFS-33EQD	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 ¹	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-30EQD	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"
350SFS-33EQD	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 ¹	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-30EQD	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"
362SFS-33EQD	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"

¹Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.
²"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 ¹	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 ¹	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-30EQD	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"
400SFS-33EQD	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-30EQD ¹	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"
550SFS-33EQD ¹	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-30EQD ¹	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"
600SFS-33EQD ¹	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"

¹Web 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.

Table Notes

- Allowable axial loads listed in kips (1 kip = 1,000 pounds).
- Allowable axial loads listed are based on simple one span condition.
- 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.
- Allowable axial loads are based on 4'-0" on center bracing.
- Studs are assumed to be adequately braced at a maximum spacing of L_u to develop full allowable moment, M_a .
- 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.
- End supports have not been checked for web crippling. See web crippling tables on page 71.
- See page 5 for additional table notes.

5 psf Lateral Load (Interior Walls)													
Wall Height (ft)	Spacing (in) oc	350S162				362S137				362S162			
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		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
	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
	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
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
	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
	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
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
	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
	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
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
	16	1.04 ⁴	1.61	2.44	3.18	0.86 ⁴	1.37	2.15	2.85	1.11	1.72	2.66	3.47
	24	0.79 ³	1.34 ³	2.21	2.94	0.63 ³	1.12 ³	1.93 ⁴	2.62	0.86 ³	1.44 ⁴	2.42	3.22
14	12	0.86 ³	1.33	1.95	2.54	0.72 ³	1.15 ⁴	1.75	2.30	0.93 ⁴	1.44	2.14	2.78
	16	0.71 ³	1.17 ³	1.82 ⁴	2.40	0.59 ³	1.00 ³	1.62 ⁴	2.16	0.78 ³	1.28 ⁴	2.00	2.64
	24	0.46 ²	0.89 ³	1.58 ³	2.16 ³	0.34 ²	0.73 ²	1.39 ³	1.92 ³	0.52 ²	0.99 ³	1.75 ³	2.38 ⁴
16	12	0.59 ³	0.96 ³	1.48 ⁴	1.95	0.50 ³	0.83 ³	1.33 ³	1.76 ⁴	0.65 ³	1.06 ³	1.63 ⁴	2.14
	16	0.45 ²	0.80 ³	1.35 ³	1.81 ³	0.36 ²	0.68 ²	1.20 ³	1.63 ³	0.51 ²	0.90 ³	1.49 ³	2.00 ⁴
	24	0.21 ¹	0.54 ²	1.12 ²	1.57 ³	0.12 ¹	0.42 ¹	0.97 ²	1.39 ²	0.25 ¹	0.62 ²	1.25 ²	1.74 ³

5 psf Lateral Load (Interior Walls)													
Wall Height (ft)	Spacing (in) oc	400S137				400S162				400S200			
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi	
		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
	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
	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
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
	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
	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
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
	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
	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
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
	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
	24	0.80 ³	1.36 ⁴	2.40	3.35	1.06 ⁴	1.74	3.01	4.12	1.35	2.22	3.74	5.11
14	12	0.90 ⁴	1.41	2.22	2.96	1.14	1.75	2.71	3.57	1.43	2.19	3.32	4.39
	16	0.75 ³	1.25 ⁴	2.08	2.80	0.98 ³	1.58	2.55	3.41	1.25 ⁴	2.00	3.14	4.21
	24	0.49 ²	0.96 ³	1.81 ³	2.52 ⁴	0.70 ³	1.26 ³	2.27 ⁴	3.10	0.92 ³	1.65 ⁴	2.82	3.88
16	12	0.65 ³	1.08 ³	1.74	2.30	0.84 ³	1.35 ⁴	2.12	2.78	1.07 ⁴	1.71	2.60	3.42
	16	0.50 ²	0.91 ³	1.59 ³	2.14 ⁴	0.68 ³	1.17 ³	1.96 ⁴	2.61	0.89 ³	1.51 ⁴	2.41	3.24
	24	0.23 ¹	0.61 ²	1.32 ³	1.86 ³	0.39 ²	0.85 ²	1.67 ³	2.31 ³	0.56 ²	1.16 ³	2.09 ³	2.91 ⁴

If no note, deflection meets L/720

¹Deflection meets L/120

²Deflection meets L/240

³Deflection meets L/360

⁴Deflection meets L/600

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 ⁵	1.67	1.26	2.02	2.07	3.43	3.61	3.52	4.08
	24	0.84 ⁴	1.45 ⁴	1.05 ⁴	1.79	1.88	3.23	3.40	3.38	3.92
14	12	0.85 ⁴	1.36	1.05 ⁵	1.68	1.94	3.19	3.39	3.50	4.02
	16	0.73 ⁴	1.24 ⁴	0.93 ⁴	1.54 ⁵	1.81	3.05	3.25	3.40	3.91
	24	0.53 ³	1.01 ⁴	0.71 ³	1.30 ⁴	1.57	2.79	2.98	3.20	3.69
16	12	0.61 ³	1.03 ⁴	0.78 ⁴	1.29 ⁵	1.67	2.78	3.01	3.39	3.79
	16	0.50 ³	0.90 ⁴	0.65 ³	1.15 ⁴	1.52	2.61	2.83	3.25	3.65
	24	0.30 ²	0.68 ³	0.43 ²	0.90 ³	1.23 ⁴	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 ⁵	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 ⁵	1.84	1.23	2.19	1.91	3.32	3.55	3.35	3.89
	24	0.66 ⁴	1.45 ⁵	0.86 ⁴	1.79	1.61	2.99	3.22	3.12	3.64
10	12	0.99 ⁵	1.74	1.20	2.10	1.94	3.35	3.54	3.38	3.92
	16	0.78 ⁴	1.50 ⁵	0.98 ⁵	1.86	1.75	3.14	3.33	3.24	3.77
	24	0.39 ³	1.08 ⁴	0.58 ⁴	1.41 ⁴	1.38	2.74	2.93	2.96	3.46
12	12	0.59 ⁴	1.17 ⁴	0.78 ⁴	1.49 ⁵	1.60	2.93	3.11	3.17	3.69
	16	0.36 ³	0.92 ⁴	0.53 ⁴	1.21 ⁴	1.34	2.65	2.82	2.97	3.47
	24	-	0.47 ³	0.09 ³	0.72 ³	0.85 ⁵	2.11	2.28	2.57	3.02
14	12	0.28 ³	0.73 ³	0.42 ³	0.97 ⁴	1.22	2.41	2.60	2.92	3.38
	16	0.05 ²	0.48 ³	0.17 ²	0.69 ³	0.90 ⁵	2.06	2.24	2.64	3.07
	24	-	0.04 ²	-	0.20 ²	0.32 ⁴	1.41 ⁴	1.58 ⁵	2.10	2.49
16	12	0.06 ²	0.40 ²	0.15 ²	0.59 ³	0.84 ⁴	1.86	2.06	2.62	2.97
	16	-	0.16 ²	-	0.31 ²	0.49 ⁴	1.47 ⁴	1.65 ⁵	2.26	2.59
	24	-	-	-	-	-	0.77 ⁴	0.92 ⁴	1.59 ⁵	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 ⁴	1.51 ⁵	0.86 ⁵	1.85	1.57	2.97	3.23	3.10	3.61
9	12	1.02 ⁵	1.84	1.23	2.19	1.91	3.32	3.55	3.35	3.89
	16	0.78 ⁴	1.58	0.98 ⁵	1.92	1.71	3.10	3.33	3.20	3.73
	24	0.34 ³	1.09 ⁴	0.53 ⁴	1.41 ⁵	1.31	2.68	2.90	2.90	3.40
10	12	0.78 ⁴	1.50 ⁵	0.98 ⁵	1.86	1.75	3.14	3.33	3.24	3.77
	16	0.52 ⁴	1.22 ⁴	0.71 ⁴	1.55 ⁵	1.50	2.87	3.06	3.05	3.56
	24	0.05 ³	0.70 ³	0.21 ³	0.99 ⁴	1.02	2.36	2.55	2.68	3.16
12	12	0.36 ³	0.92 ⁴	0.53 ⁴	1.21 ⁴	1.34	2.65	2.82	2.97	3.47
	16	0.09 ²	0.61 ³	0.23 ³	0.87 ⁴	1.01	2.28	2.45	2.70	3.17
	24	-	0.08 ²	-	0.28 ³	0.39 ⁴	1.60 ⁵	1.76	2.18	2.59
14	12	0.05 ²	0.48 ³	0.17 ²	0.69 ³	0.90 ⁵	2.06	2.24	2.64	3.07
	16	-	0.18 ²	-	0.36 ³	0.51 ⁴	1.62 ⁵	1.79 ⁵	2.28	2.68
	24	-	-	-	-	-	0.83 ⁴	0.98 ⁴	1.59	1.92
16	12	-	0.16 ²	-	0.31 ²	0.49 ⁴	1.47 ⁴	1.65 ⁵	2.26	2.59
	16	-	-	-	-	0.06 ³	0.99 ⁴	1.15 ⁴	1.81	2.10
	24	-	-	-	-	-	0.15 ³	0.26 ³	0.96 ⁴	1.19 ⁵

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

¹Deflection exceeds L/120

²Deflection exceeds L/240

³Deflection exceeds L/360

⁴Deflection exceeds L/600

⁵Deflection 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 ⁵	1.73	1.06	2.06	1.73	3.13	3.40	3.21	3.74
	24	0.39 ⁴	1.21 ⁴	0.58 ⁴	1.54 ⁵	1.34	2.72	2.97	2.92	3.42
9	12	0.84 ⁴	1.64	1.04 ⁵	1.99	1.76	3.15	3.39	3.24	3.77
	16	0.55 ⁴	1.33 ⁴	0.75 ⁴	1.66	1.51	2.89	3.12	3.05	3.56
	24	0.04 ³	0.75 ⁴	0.21 ³	1.06 ⁴	1.02	2.37	2.59	2.68	3.16
10	12	0.58 ⁴	1.29 ⁴	0.78 ⁴	1.62 ⁵	1.56	2.94	3.13	3.10	3.61
	16	0.28 ³	0.95 ⁴	0.45 ⁴	1.26 ⁴	1.26	2.61	2.80	2.87	3.36
	24	-	0.35 ³	-	0.62 ³	0.68 ⁵	1.99	2.17	2.41	2.86
12	12	0.15 ³	0.69 ³	0.30 ³	0.95 ⁴	1.09	2.37	2.54	2.76	3.24
	16	-	0.34 ³	-	0.57 ³	0.69 ⁴	1.93	2.10	2.44	2.88
	24	-	-	-	-	-	1.13 ⁴	1.28 ⁴	1.80	2.17
14	12	-	0.25 ²	-	0.44 ³	0.61 ⁴	1.73 ⁵	1.90	2.37	2.78
	16	-	-	-	0.05 ²	0.15 ⁴	1.21 ⁴	1.37 ⁴	1.93	2.29
	24	-	-	-	-	-	0.29 ³	0.41 ⁴	1.10 ⁵	1.38
16	12	-	-	-	0.07 ²	0.16 ³	1.11 ⁴	1.27 ⁴	1.92	2.22
	16	-	-	-	-	-	0.56 ³	0.69 ⁴	1.37 ⁵	1.64
	24	-	-	-	-	-	-	0.37 ⁴	0.56 ⁴	0.56 ⁴

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 ⁵	1.83	1.16	2.17	1.81	3.22	3.48	3.27	3.81
	16	0.66 ⁴	1.51 ⁵	0.86 ⁵	1.85	1.57	2.97	3.23	3.10	3.61
	24	0.13 ³	0.92 ⁴	0.31 ⁴	1.24 ⁴	1.11	2.48	2.72	2.75	3.23
9	12	0.66 ⁴	1.45 ⁵	0.86 ⁴	1.79	1.61	2.99	3.22	3.12	3.64
	16	0.34 ³	1.09 ⁴	0.53 ⁴	1.41 ⁵	1.31	2.68	2.90	2.90	3.40
	24	-	0.44 ³	-	0.73 ⁴	0.74	2.07	2.28	2.46	2.92
10	12	0.39 ³	1.08 ⁴	0.58 ⁴	1.41 ⁴	1.38	2.74	2.93	2.96	3.46
	16	0.05 ³	0.70 ³	0.21 ³	0.99 ⁴	1.02	2.36	2.55	2.68	3.16
	24	-	0.03 ²	-	0.26 ³	0.34 ⁴	1.63	1.80	2.15	2.56
12	12	-	0.47 ³	0.09 ³	0.72 ³	0.85 ⁵	2.11	2.28	2.57	3.02
	16	-	0.08 ²	-	0.28 ³	0.39 ⁴	1.60 ⁵	1.76	2.18	2.59
	24	-	-	-	-	-	0.67 ⁴	0.82 ⁴	1.42	1.76
14	12	-	0.04 ²	-	0.20 ²	0.32 ⁴	1.41 ⁴	1.58 ⁵	2.10	2.49
	16	-	-	-	-	-	0.83 ⁴	0.98 ⁴	1.59	1.92
	24	-	-	-	-	-	-	0.62 ⁴	0.86 ⁵	0.86 ⁵
16	12	-	-	-	-	-	0.77 ⁴	0.92 ⁴	1.59 ⁵	1.87
	16	-	-	-	-	-	0.15 ³	0.26 ³	0.96 ⁴	1.19 ⁵
	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 ⁴	1.67	1.01	2.01	1.69	3.09	3.35	3.18	3.71
	16	0.48 ⁴	1.31 ⁴	0.67 ⁴	1.64	1.42	2.80	3.06	2.98	3.49
	24	-	0.64 ⁴	0.06 ⁴	0.95 ⁴	0.88	2.24	2.48	2.58	3.04
9	12	0.50 ⁴	1.27 ⁴	0.69 ⁴	1.60 ⁵	1.46	2.84	3.06	3.01	3.52
	16	0.14 ³	0.86 ⁴	0.32 ⁴	1.18 ⁴	1.11	2.48	2.69	2.76	3.24
	24	-	0.15 ³	-	0.41 ³	0.46 ⁵	1.78	1.98	2.25	2.68
10	12	0.22 ³	0.88 ⁴	0.39 ⁴	1.20 ⁴	1.20	2.55	2.74	2.82	3.31
	16	-	0.46 ³	-	0.74 ⁴	0.79	2.11	2.29	2.50	2.96
	24	-	-	-	-	0.02 ⁴	1.28 ⁵	1.45	1.88	2.27
12	12	-	0.27 ²	-	0.49 ³	0.62 ⁴	1.85	2.02	2.37	2.81
	16	-	-	-	0.02 ²	0.11 ⁴	1.28 ⁴	1.44 ⁵	1.92	2.31
	24	-	-	-	-	-	0.24 ⁴	0.37 ⁴	1.06 ⁵	1.36
14	12	-	-	-	-	0.06 ³	1.12 ⁴	1.27 ⁴	1.84	2.20
	16	-	-	-	-	-	0.47 ⁴	0.60 ⁴	1.26 ⁵	1.56
	24	-	-	-	-	-	-	0.17 ⁴	0.36 ⁴	0.36 ⁴
16	12	-	-	-	-	-	0.45 ³	0.58 ³	1.27 ⁵	1.52 ⁵
	16	-	-	-	-	-	-	0.56 ⁴	0.76 ⁴	0.76 ⁴
	24	-	-	-	-	-	-	-	-	-

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

¹Deflection exceeds L/120

²Deflection exceeds L/240

³Deflection exceeds L/360

⁴Deflection exceeds L/600

⁵Deflection exceeds L/720

See Table Notes on page 37.

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 ⁴	1.51 ⁵	0.86 ⁵	1.85	1.57	2.97	3.23	3.10	3.61
	16	0.30 ⁴	1.11 ⁴	0.49 ⁴	1.44 ⁵	1.26	2.64	2.89	2.87	3.36
	24	-	0.38 ³	-	0.68 ⁴	0.66	2.01	2.23	2.41	2.85
9	12	0.34 ³	1.09 ⁴	0.53 ⁴	1.41 ⁵	1.31	2.68	2.90	2.90	3.40
	16	-	0.65 ⁴	0.11 ³	0.95 ⁴	0.92	2.27	2.48	2.61	3.08
	24	-	-	-	0.11 ³	0.19 ⁴	1.49	1.68	2.03	2.44
10	12	0.05 ³	0.70 ³	0.21 ³	0.99 ⁴	1.02	2.36	2.55	2.68	3.16
	16	-	0.24 ³	-	0.50 ³	0.56 ⁵	1.87	2.05	2.32	2.76
	24	-	-	-	-	-	0.94 ⁴	1.10 ⁵	1.62	1.98
12	12	-	0.08 ²	-	0.28 ³	0.39 ⁴	1.60 ⁵	1.76	2.18	2.59
	16	-	-	-	-	-	0.97 ⁴	1.12 ⁴	1.67	2.03
	24	-	-	-	-	-	-	-	0.70 ⁵	0.96
14	12	-	-	-	-	-	0.83 ⁴	0.98 ⁴	1.59	1.92
	16	-	-	-	-	-	0.12 ³	0.24 ³	0.94 ⁴	1.21 ⁵
	24	-	-	-	-	-	-	-	-	-
16	12	-	-	-	-	-	0.15 ³	0.26 ³	0.96 ⁴	1.19 ⁵
	16	-	-	-	-	-	-	-	0.18 ⁴	0.35 ⁴
	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 ⁴	1.21 ⁴	0.58 ⁴	1.54 ⁵	1.34	2.72	2.97	2.92	3.42
	16	-	0.74 ⁴	0.14 ⁴	1.05 ⁴	0.96	2.32	2.56	2.64	3.10
	24	-	-	-	0.15 ³	0.23 ⁵	1.54	1.75	2.07	2.48
9	12	0.04 ³	0.75 ⁴	0.21 ³	1.06 ⁴	1.02	2.37	2.59	2.68	3.16
	16	-	0.24 ³	-	0.52 ⁴	0.55 ⁵	1.88	2.08	2.32	2.76
	24	-	-	-	-	-	0.93 ⁵	1.10 ⁵	1.61	1.97
10	12	-	0.35 ³	-	0.62 ³	0.68 ⁵	1.99	2.17	2.41	2.86
	16	-	-	-	0.04 ³	0.13 ⁴	1.40 ⁵	1.57	1.97	2.37
	24	-	-	-	-	-	0.29 ⁴	0.43 ⁴	1.11	1.41
12	12	-	-	-	-	-	1.13 ⁴	1.28 ⁴	1.80	2.17
	16	-	-	-	-	-	0.38 ⁴	0.52 ⁴	1.18	1.49
	24	-	-	-	-	-	-	-	0.01 ⁴	0.20 ⁴
14	12	-	-	-	-	-	0.29 ³	0.41 ⁴	1.10 ⁵	1.38
	16	-	-	-	-	-	-	-	0.32 ⁴	0.52 ⁴
	24	-	-	-	-	-	-	-	-	-
16	12	-	-	-	-	-	-	-	0.37 ⁴	0.56 ⁴
	16	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	-	-

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

¹Deflection exceeds L/120

²Deflection exceeds L/240

³Deflection exceeds L/360

⁴Deflection exceeds L/600

⁵Deflection exceeds L/720

See Table Notes on page 37.

Table Notes

1. Spans are based on continuous support of compression flange over the full length of the joist.
2. Spans are based on tension flange laterally braced at maximum spacing of 8'-0".
3. 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.
4. Joists must be braced against rotation at all supports.
5. End shear and web crippling capacity have not been reduced for punchouts.
6. 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.
7. Interior support not checked for combined bending and web crippling. Web stiffeners are required at interior supports.
8. Shear capacity at interior support has been reduced for the presence of punchouts adjacent to the supports. Combined bending and shear check is based on unreinforced web in accordance with AISI S100 Section C 3.3.1.
9. Total load deflection is limited to L/240. Live load deflection limit is as noted.
10. Alternate span live loading has been considered for two equal span conditions.
11. See page 5 for additional table notes.

Floor Joist Bridging and Bracing Requirements

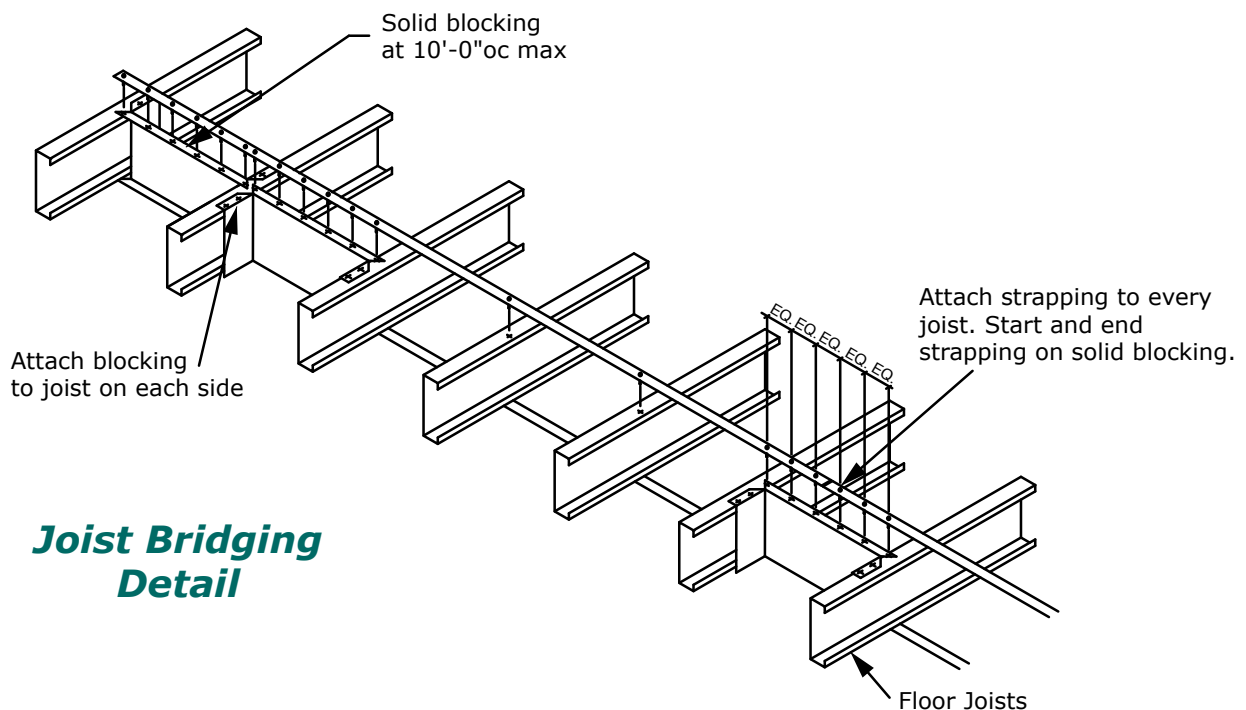
Bracing components shall be designed in accordance with AISI S100 Section D3. The minimum number of rows required is shown in the table. Additional rows of bridging may be required by design.

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



10 psf Dead Load and 20 psf Live Load

Section	F _y (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"	10' 3"	14' 6"	12' 7"	10' 1"	14' 4"	12' 7"	10' 3"	14' 6"	12' 7"	10' 1"
600S200-33	33	15' 6"	13' 5"	10' 11"	15' 6"	13' 3"	10' 5"	15' 0"	13' 5"	10' 11"	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"	19' 0"	16' 5"	13' 5"	17' 2"	15' 7"	13' 5"	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"	14' 6"	11' 10"	15' 8"	13' 0"	9' 10"	16' 9"	14' 6"	11' 10"	15' 8"	13' 0"	9' 10"
800S200-33	33	18' 0"	15' 7"	12' 8"	16' 6"	13' 8"	10' 3"	18' 0"	15' 7"	12' 8"	16' 6"	13' 8"	10' 3"
800S162-43	33	20' 2"	17' 6"	14' 3"	20' 2"	17' 6"	13' 11"	19' 6"	17' 6"	14' 3"	20' 2"	17' 6"	13' 11"
800S200-43	33	21' 7"	18' 8"	15' 3"	21' 7"	18' 8"	15' 3"	20' 7"	18' 8"	15' 3"	21' 7"	18' 8"	15' 3"
800S250-43	33	22' 2"	19' 2"	15' 8"	22' 2"	19' 2"	15' 6"	21' 5"	19' 2"	15' 8"	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"	19' 4"	15' 10"	22' 3"	18' 10"	14' 8"	22' 4"	19' 4"	15' 10"	22' 3"	18' 10"	14' 8"
1000S200-43	33	24' 1"	20' 11"	17' 1"	23' 5"	19' 9"	15' 4"	24' 1"	20' 11"	17' 1"	23' 5"	19' 9"	15' 4"
1000S250-43	33	24' 10"	21' 6"	17' 6"	24' 5"	20' 6"	15' 10"	24' 10"	21' 6"	17' 6"	24' 5"	20' 6"	15' 10"
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	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	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.

10 psf Dead Load and 30 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
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' 6"	14' 5"	20' 2"	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 _y (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"	32' 7"	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"	36' 7"	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.

10 psf Dead Load and 40 psf Live Load

Section	F _y (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' 5"	15' 3"	21' 7"	19' 7"	17' 2"	17' 6"	15' 10"	13' 10"	19' 7"	17' 10"	15' 7"
600S162-118	50	18' 4"	16' 8"	14' 7"	20' 7"	18' 9"	16' 4"	16' 8"	15' 2"	13' 3"	18' 9"	17' 0"	14' 10"
600S200-118	50	19' 4"	17' 8"	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	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	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.

10 psf Dead Load and 50 psf Live Load

Section	F _y (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	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	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.

15 psf Dead Load and 125 psf Live Load

Section	F _y (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' 3"	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"	13' 5"	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' 3"	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	F _y (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"
1400S250-68	50	21' 2"	18' 4"	14' 11"	21' 0"	15' 7"	11' 6"	20' 9"	18' 4"	14' 11"	19' 0"	15' 7"	11' 6"
1400S300-68	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"
1400S350-68	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"
1400S162-97	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"
1400S200-97	50	24' 11"	22' 7"	18' 8"	26' 5"	22' 11"	18' 8"	22' 9"	20' 8"	18' 0"	25' 5"	22' 11"	18' 8"
1400S250-97	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"
1400S300-97	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"
1400S350-97	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"
1400S162-118	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"
1400S200-118	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"
1400S250-118	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"
1400S300-118	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"
1400S350-118	50	29' 9"	27' 0"	23' 7"	33' 5"	30' 4"	25' 11"	27' 0"	24' 7"	21' 5"	30' 4"	27' 7"	24' 1"
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"	28' 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.

40 psf Dead Load and 125 psf Live Load

Section	F _y (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"	5' 4"	3' 10"	5' 1"	4' 1"	2' 11"	6' 2"	5' 4"	3' 10"	5' 1"	4' 1"	2' 11"
600S200-33	33	6' 7"	5' 9"	3' 10"	5' 2"	4' 2"	2' 11"	6' 7"	5' 9"	3' 10"	5' 2"	4' 2"	2' 11"
600S162-43	33	7' 8"	6' 7"	5' 5"	7' 4"	6' 1"	4' 8"	7' 8"	6' 7"	5' 5"	7' 4"	6' 1"	4' 8"
600S200-43	33	7' 11"	6' 10"	5' 7"	7' 5"	6' 2"	4' 8"	7' 11"	6' 10"	5' 7"	7' 5"	6' 2"	4' 8"
600S250-43	33	8' 1"	7' 0"	5' 9"	7' 7"	6' 3"	4' 9"	8' 1"	7' 0"	5' 9"	7' 7"	6' 3"	4' 9"
600S162-54	50	10' 0"	8' 10"	7' 3"	10' 2"	8' 7"	6' 7"	9' 1"	8' 3"	7' 3"	10' 2"	8' 7"	6' 7"
600S200-54	50	10' 6"	9' 1"	7' 5"	10' 2"	8' 7"	6' 7"	9' 7"	8' 8"	7' 5"	10' 2"	8' 7"	6' 7"
600S250-54	50	10' 9"	9' 4"	7' 7"	10' 5"	8' 9"	6' 9"	10' 0"	9' 1"	7' 7"	10' 5"	8' 9"	6' 9"
600S162-68	50	10' 9"	9' 9"	8' 6"	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"	12' 7"	10' 8"	8' 5"	10' 3"	9' 4"	8' 2"	11' 6"	10' 5"	8' 5"
600S250-68	50	11' 10"	10' 9"	8' 11"	12' 3"	10' 5"	8' 3"	10' 9"	9' 9"	8' 6"	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"	4' 4"	2' 10"	4' 4"	3' 4"	2' 3"	5' 9"	4' 4"	2' 10"	4' 4"	3' 4"	2' 3"
800S200-33	33	5' 9"	4' 4"	2' 10"	4' 5"	3' 4"	2' 3"	5' 9"	4' 4"	2' 10"	4' 5"	3' 4"	2' 3"
800S162-43	33	8' 7"	7' 5"	6' 1"	7' 5"	6' 1"	4' 5"	8' 7"	7' 5"	6' 1"	7' 5"	6' 1"	4' 5"
800S200-43	33	9' 2"	8' 0"	6' 4"	8' 0"	6' 5"	4' 8"	9' 2"	8' 0"	6' 4"	8' 0"	6' 5"	4' 8"
800S250-43	33	9' 5"	8' 2"	6' 4"	8' 0"	6' 6"	4' 8"	9' 5"	8' 2"	6' 4"	8' 0"	6' 6"	4' 8"
800S162-54	50	11' 6"	10' 0"	8' 2"	11' 2"	9' 4"	7' 3"	11' 5"	10' 0"	8' 2"	11' 2"	9' 4"	7' 3"
800S200-54	50	12' 3"	10' 8"	8' 8"	12' 1"	10' 1"	7' 8"	12' 0"	10' 8"	8' 8"	12' 1"	10' 1"	7' 8"
800S250-54	50	12' 7"	10' 11"	8' 11"	12' 2"	10' 2"	7' 9"	12' 6"	10' 11"	8' 11"	12' 2"	10' 2"	7' 9"
800S162-68	50	13' 6"	11' 8"	9' 7"	13' 6"	11' 6"	9' 2"	12' 4"	11' 2"	9' 7"	13' 6"	11' 6"	9' 2"
800S200-68	50	14' 2"	12' 10"	10' 6"	14' 10"	12' 10"	10' 2"	12' 11"	11' 8"	10' 3"	14' 5"	12' 10"	10' 2"
800S250-68	50	14' 9"	12' 9"	10' 5"	14' 9"	12' 8"	9' 11"	13' 5"	12' 3"	10' 5"	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"	16' 1"	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"	7' 7"	5' 1"	7' 1"	5' 7"	3' 11"	9' 6"	7' 7"	5' 1"	7' 1"	5' 7"	3' 11"
1000S200-43	33	10' 2"	7' 7"	5' 1"	7' 3"	5' 8"	3' 11"	10' 2"	7' 7"	5' 1"	7' 3"	5' 8"	3' 11"
1000S250-43	33	10' 2"	7' 7"	5' 1"	7' 4"	5' 9"	3' 11"	10' 2"	7' 7"	5' 1"	7' 4"	5' 9"	3' 11"
1000S162-54	50	12' 9"	11' 1"	9' 0"	11' 6"	9' 5"	6' 11"	12' 9"	11' 1"	9' 0"	11' 6"	9' 5"	6' 11"
1000S200-54	50	13' 9"	11' 11"	9' 8"	11' 10"	9' 8"	7' 1"	13' 9"	11' 11"	9' 8"	11' 10"	9' 8"	7' 1"
1000S250-54	50	14' 1"	12' 2"	10' 0"	12' 2"	9' 11"	7' 2"	14' 1"	12' 2"	10' 0"	12' 2"	9' 11"	7' 2"
1000S162-68	50	15' 1"	13' 1"	10' 8"	15' 1"	12' 11"	10' 1"	14' 8"	13' 1"	10' 8"	15' 1"	12' 11"	10' 1"
1000S200-68	50	16' 2"	14' 0"	11' 5"	16' 0"	13' 6"	10' 7"	15' 4"	13' 11"	11' 5"	16' 0"	13' 6"	10' 7"
1000S250-68	50	16' 7"	14' 4"	11' 9"	16' 7"	14' 3"	11' 1"	16' 1"	14' 4"	11' 9"	16' 7"	14' 3"	11' 1"
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"	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.

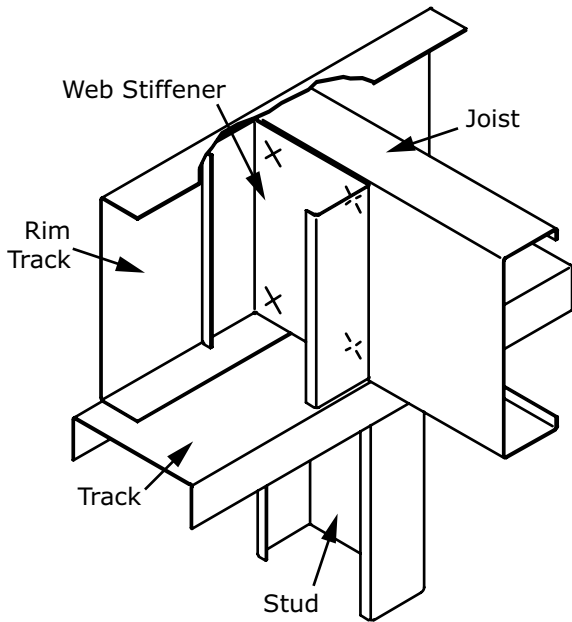
40 psf Dead Load and 125 psf Live Load

Section	F _y (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' 8"	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.

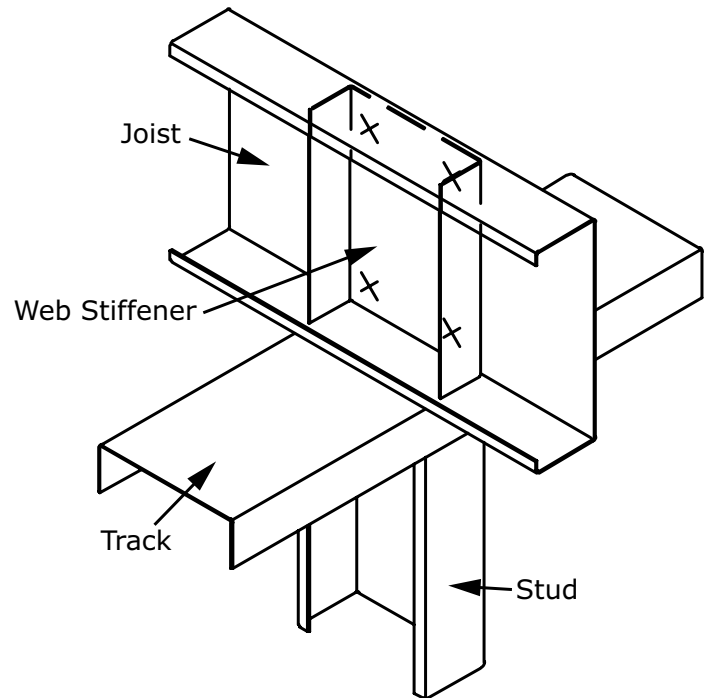
Web stiffeners required at interior supports for double span conditions.

See Table Notes on page 51.

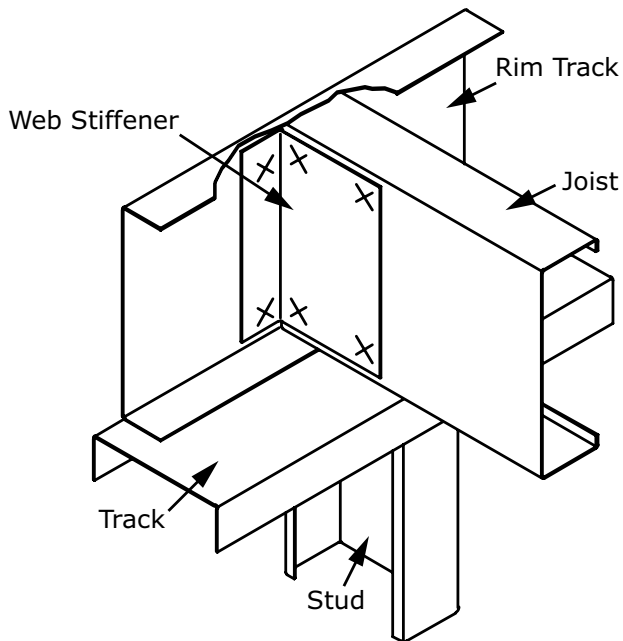


Stud Stiffener on Back of Joist

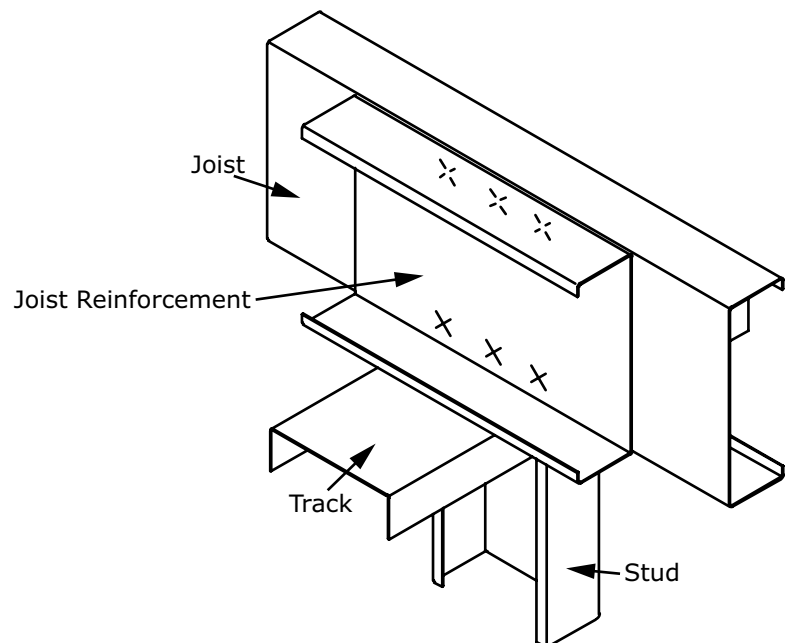
General Note:
All connections should be designed by a licensed design professional.



Track Stiffener Inside Joist



Clip Angle Stiffener on Back of Joist



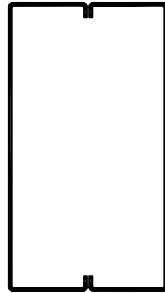
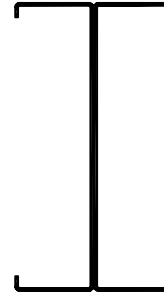
Web Reinforcement - Double Web
(use back-to-back web crippling tables)

Web Stiffener and Joist Reinforcement Details

Bearing stiffeners must be designed in accordance with AISI S100 section C3.7.

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

"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)
1000S137-43	33	1114.6e	835.9e	668.7e	557.3e	397.8e	254.6e
1000S162-43	33	1114.6e	835.9e	668.7e	557.3e	418.0e	299.9e
1000S200-43	33	1114.6e	835.9e	668.7e	557.3e	418.0e	334.4e
1000S250-43	33	1114.6e	835.9e	668.7e	557.3e	418.0e	334.4e
1000S137-54	50	2214.5e	1660.8e	1328.7e	1107.2e	721.1e	461.5e
1000S162-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	538.3e
1000S200-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	621.6e
1000S250-54	50	2214.5e	1660.8e	1328.7e	1107.2e	830.4e	655.5e
1000S137-68	50	4460.5e	3345.4e	2611.5e	1813.5e	1020.1e	652.9e
1000S162-68	50	4460.5e	3345.4e	2676.3e	2087.2e	1174.0e	751.4e
1000S200-68	50	4460.5e	3345.4e	2676.3e	2230.3e	1343.8e	860.0e
1000S250-68	50	4460.5e	3345.4e	2676.3e	2230.3e	1419.4e	908.4e
1000S137-97	50	12117.7e	6816.2e	4362.4e	3029.4e	1704.1e	1090.6e
1000S162-97	50	13151.6e	7712.9e	4936.2e	3427.9e	1928.2e	1234.1e
1000S200-97	50	13151.6e	8727.6e	5585.7e	3878.9e	2181.9e	1396.4e
1000S250-97	50	13151.6e	9863.7e	6407.1e	4449.4e	2502.8e	1601.8e
1000S137-118	50	15854.9e	8918.4e	5707.8e	3963.7e	2229.6e	1426.9e
1000S162-118	50	17827.7e	10028.1e	6418.0e	4456.9e	2507.0e	1604.5e
1000S200-118	50	20110.4e	11312.1e	7239.8e	5027.6e	2828.0e	1809.9e
1000S250-118	50	21646.1e	13316.3e	8522.4e	5918.4e	3329.1e	2130.6e
1200S137-54	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	529.9e
1200S162-54	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e
1200S200-54	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e
1200S250-54	50	1836.5e	1377.4e	1101.9e	918.2e	688.7e	550.9e
1200S137-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1187.3e	759.9e
1200S162-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1377.9e	881.8e
1200S200-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1385.4e	1020.7e
1200S250-68	50	3694.3e	2770.7e	2216.6e	1847.2e	1385.4e	1087.9e
1200S137-97	50	10862.7e	8144.0e	5212.1e	3619.5e	2036.0e	1303.0e
1200S162-97	50	10862.7e	8147.0e	5936.1e	4122.3e	2318.8e	1484.0e
1200S200-97	50	10862.7e	8147.0e	6517.6e	4698.7e	2643.0e	1691.5e
1200S250-97	50	10862.7e	8147.0e	6517.6e	5013.8e	2820.3e	1805.0e
1200S137-118	50	19323.9e	10869.7e	6956.6e	4831.0e	2717.4e	1739.1e
1200S162-118	50	19980.7e	12269.5e	7852.5e	5453.1e	3067.4e	1963.1e
1200S200-118	50	19980.7e	13900.1e	8896.1e	6177.8e	3475.0e	2224.0e
1200S250-118	50	19980.7e	14880.8e	9523.7e	6613.7e	3720.2e	2380.9e
1200S300-118	50	19980.7e	14985.5e	10756.0e	7469.4e	4201.6e	2689.0e
1200S350-118	50	19980.7e	14985.5e	11988.4e	8850.4e	4978.3e	3186.1e
1400S162-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e
1400S200-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e
1400S250-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e
1400S300-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e
1400S350-54	50	1568.7e	1176.5e	941.2e	784.4e	588.3e	470.6e
1400S162-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e
1400S200-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e
1400S250-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e
1400S300-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e
1400S350-68	50	3152.8e	2364.6e	1891.7e	1576.4e	1182.3e	945.8e
1400S162-97	50	9252.4e	6939.3e	5551.4e	4626.2e	2665.9e	1706.2e
1400S200-97	50	9252.4e	6939.3e	5551.4e	4626.2e	3062.0e	1959.7e
1400S250-97	50	9252.4e	6939.3e	5551.4e	4626.2e	3290.4e	2105.8e
1400S300-97	50	9252.4e	6939.3e	5551.4e	4626.2e	3446.8e	2206.0e
1400S350-97	50	9252.4e	6939.3e	5551.4e	4626.2e	3469.6e	2683.4e
1400S162-118	50	16993.8e	12745.4e	9153.4e	6356.5e	3575.5e	2288.3e
1400S200-118	50	16993.8e	12745.4e	10196.3e	7245.3e	4075.5e	2608.3e
1400S250-118	50	16993.8e	12745.4e	10196.3e	7793.3e	4383.7e	2805.6e
1400S300-118	50	16993.8e	12745.4e	10196.3e	8178.0e	4600.1e	2944.1e
1400S350-118	50	16993.8e	12745.4e	10196.3e	8496.9e	5892.6e	3771.3e
1600S162-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e
1600S200-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e
1600S250-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e
1600S300-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e
1600S350-68	50	2749.7e	2062.3e	1649.8e	1374.8e	1031.1e	824.9e
1600S162-97	50	8057.9e	6043.4e	4834.7e	4028.9e	2975.1e	1904.1e
1600S200-97	50	8057.9e	6043.4e	4834.7e	4028.9e	3021.7e	2199.8e
1600S250-97	50	8057.9e	6043.4e	4834.7e	4028.9e	3021.7e	2381.4e
1600S300-97	50	8057.9e	6043.4e	4834.7e	4028.9e	3021.7e	2417.4e
1600S350-97	50	8057.9e	6043.4e	4834.7e	4028.9e	3021.7e	2417.4e
1600S162-118	50	14783.8e	11087.9e	8870.3e	7175.0e	4035.9e	2583.0e
1600S200-118	50	14783.8e	11087.9e	8870.3e	7391.9e	4622.1e	2958.1e
1600S250-118	50	14783.8e	11087.9e	8870.3e	7391.9e	5001.5e	3201.0e
1600S300-118	50	14783.8e	11087.9e	8870.3e	7391.9e	5275.8e	3376.5e
1600S350-118	50	14783.8e	11087.9e	8870.3e	7391.9e	5543.9e	4061.0e

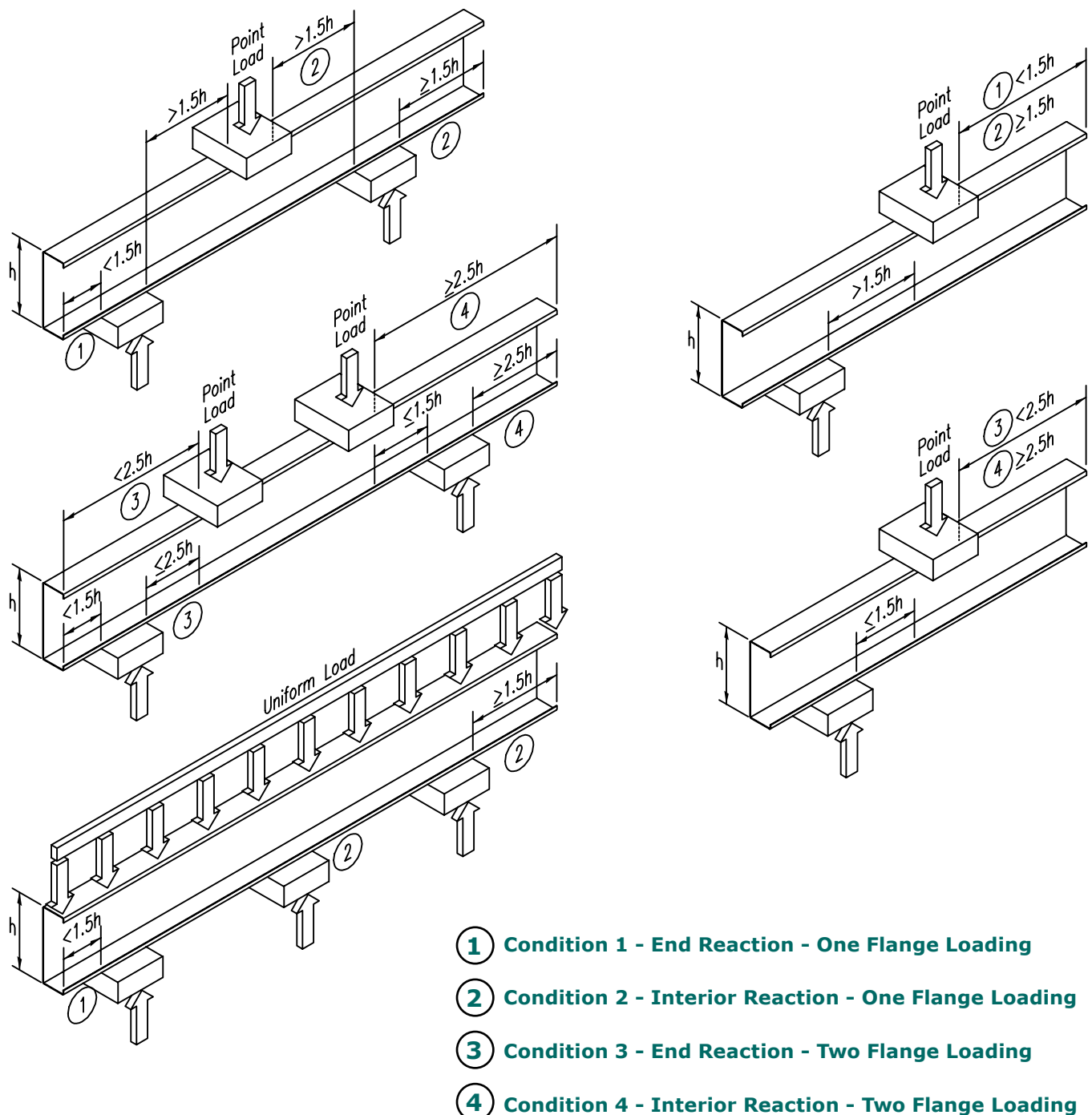
"e" web stiffeners required at ends.

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



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

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.

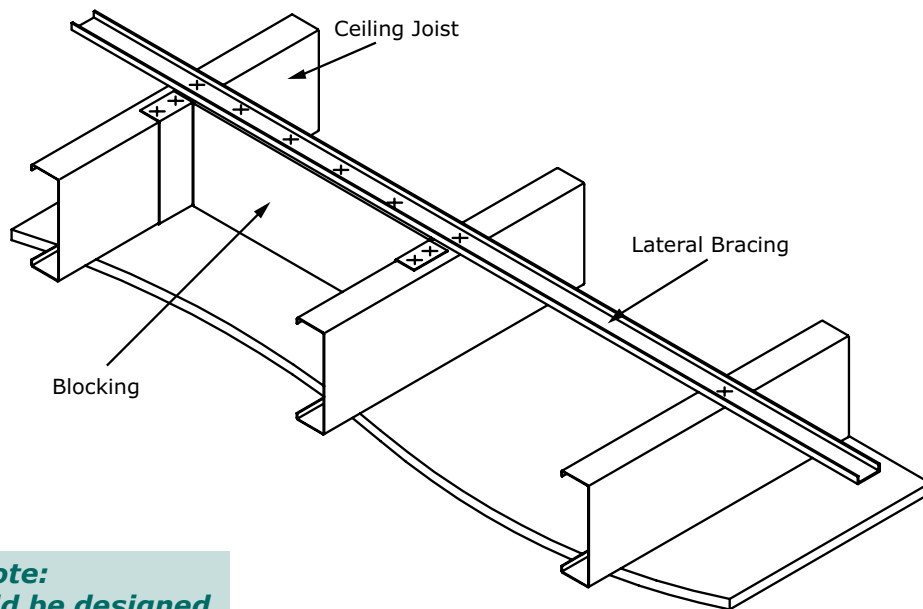
SUPREME Allowable Loads (lbs) - Single Members															
Section (h)	Design Thickness (in)	Thickness (mil)	Fy (ksi)	Condition 1 Fasten to Support Bearing Length (in)			Condition 2 Fasten to Support Bearing Length (in)			Condition 3 Fasten to Support Bearing Length (in)			Condition 4 Fasten to Support 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	131	210	277	322
162	0.0235	30EQD	57	147	237	296	250	353	422	128	177	210	338	439	506
162	0.0235	33EQD	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	30EQD	57	140	225	281	244	345	413	108	149	176	309	401	463
250	0.0235	33EQD	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	30EQD	57	133	214	267	239	338	404	88	122	145	282	366	422
350	0.0235	33EQD	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	30EQD	57	132	213	266	238	337	403	86	119	141	279	362	417
362	0.0235	33EQD	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	30EQD	57	130	209	261	236	334	400	80	110	131	270	351	404
400	0.0235	33EQD	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 ¹	0.0235	30EQD	57	122	196	245	230	326	389	57	79	94	238	309	357
550 ¹	0.0235	33EQD	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 ¹	0.0235	30EQD	57	107	192	240	228	323	386	50	70	83	229	297	342
600 ¹	0.0235	33EQD	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

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

See figures on page 67.

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.

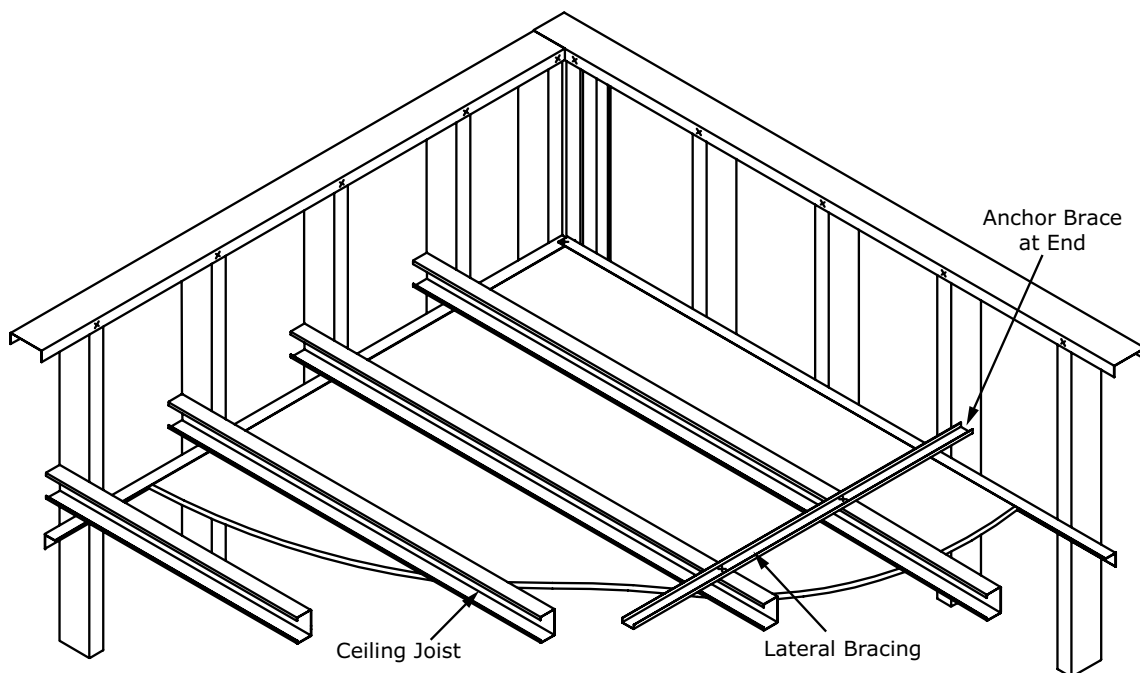


Table Notes

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	Fy (ksi)	Design Thickness (in)	Gross Properties					Effective Properties			
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _k (in ⁴)	S _x (in ³)	M _a (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	Fy (ksi)	Design Thickness (in)	Gross Properties					Effective Properties			
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _k (in ⁴)	S _x (in ³)	M _a (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
087F125-30EQD	57	0.0235	0.087	0.297	0.011	0.355	0.0441	0.711	0.0104	0.0195	55.41
087F125-33EQD	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
150F125-30EQD	57	0.0235	0.117	0.398	0.038	0.574	0.0581	0.705	0.0368	0.0421	119.63
150F125-33EQD	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

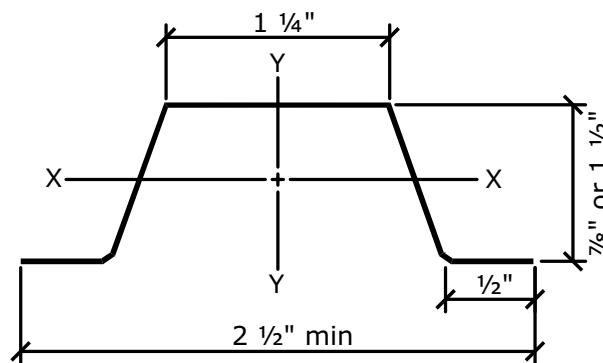


Table Notes

- Single spans are the minimum span based on moment, shear, web crippling, or deflection.
- Multiple spans indicate two or more equal and continuous spans with span length measured support to support.
- Web crippling check is based on 1" of bearing at end and interior supports.
- Multiple spans are the minimum span based on moment, shear, web crippling, deflection, combined bending and shear, or combined bending and web crippling.
- 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"
087F125-30EQD	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"
087F125-33EQD	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"
150F125-30EQD	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"
150F125-33EQD	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"
087F125-30EQD	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"
087F125-33EQD	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"
150F125-30EQD	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"
150F125-33EQD	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 (in²)	Weight (lb/ft)	Ix (in⁴)	Rx (in)	Iy (in⁴)	Ry (in)	Ix (in⁴)	Sx (in³)	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

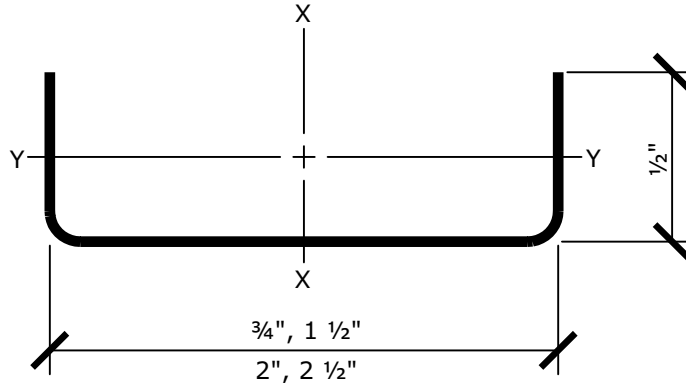


Table Notes

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			#8 Screw			#10 Screw			#12 Screw			1/4" Screw		
				(Pss = 643 lbs, Pts = 419 lbs)			(Pss = 1278 lbs, Pts = 586 lbs)			(Pss = 1644 lbs, Pts = 1158 lbs)			(Pss = 2330 lbs, Pts = 2325 lbs)			(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			#8 Screw			#10 Screw			#12 Screw			1/4" Screw		
				(Pss = 643 lbs, Pts = 419 lbs)			(Pss = 1278 lbs, Pts = 586 lbs)			(Pss = 1644 lbs, Pts = 1158 lbs)			(Pss = 2330 lbs, Pts = 2325 lbs)			(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 ¹	39	137	111 ¹	47	137	111 ¹	54	171	-	-	-	-	-	-
D20	0.0188	57	65	142 ¹	48	140	150 ¹	57	166	164 ¹	66	208	109	75	208	-	-	-
30EQD	0.0235	57	65	174 ¹	60	140	184 ¹	71	195	236 ¹	82	260	152	93	260	-	-	-
33EQD	0.0235	57	65	174 ¹	60	140	184 ¹	71	195	236 ¹	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

¹Values are based on testing using AISI S100 procedures.

Weld Capacities

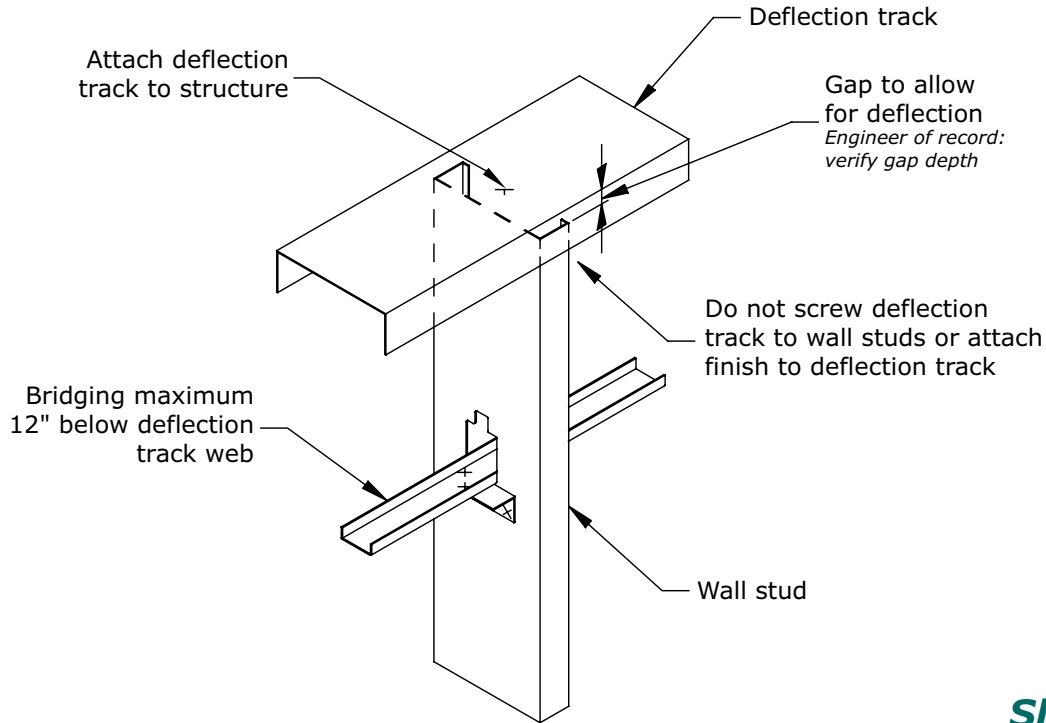
Table Notes

- 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.

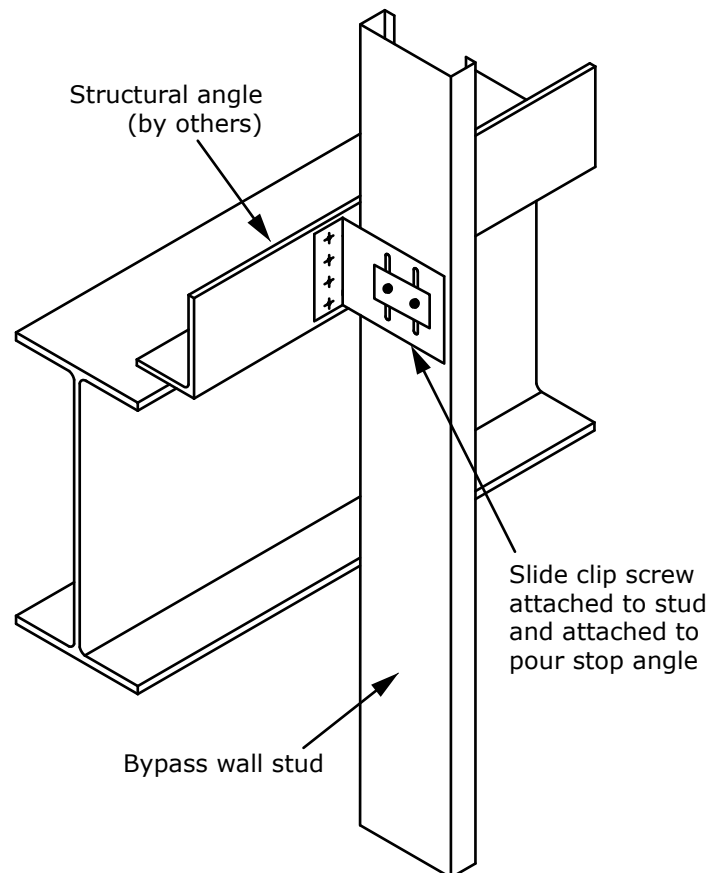
Allowable Weld Capacity (lbs / in)							
Thickness (Mils)	Design Thickness (in)	Fy Yield (ksi)	Fu Tensile (ksi)	Fillet Welds		Flare Groove Welds	
				Longitudinal	Transverse	Longitudinal	Transverse
43EQS	0.0400	57	65	639	1106	696	849
43	0.0451	33	45	499	864	544	663
54	0.0566	33	45	626	1084	682	832
68	0.0713	33	45	789	1365	859	1048
97	0.1017	33	45	1125	1269	- ¹	- ¹
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	- ¹	- ¹

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

Deflection Track

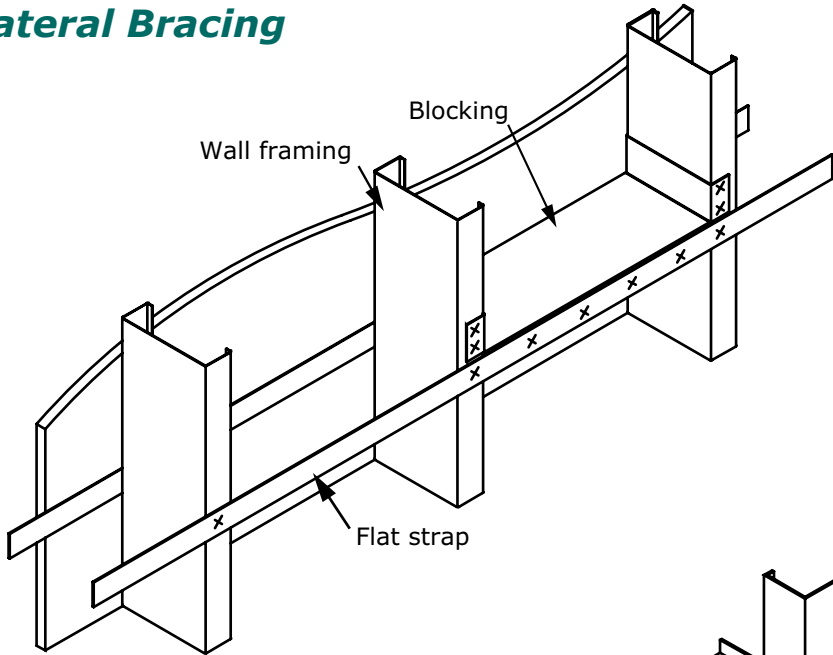


Slide Clip Attachment

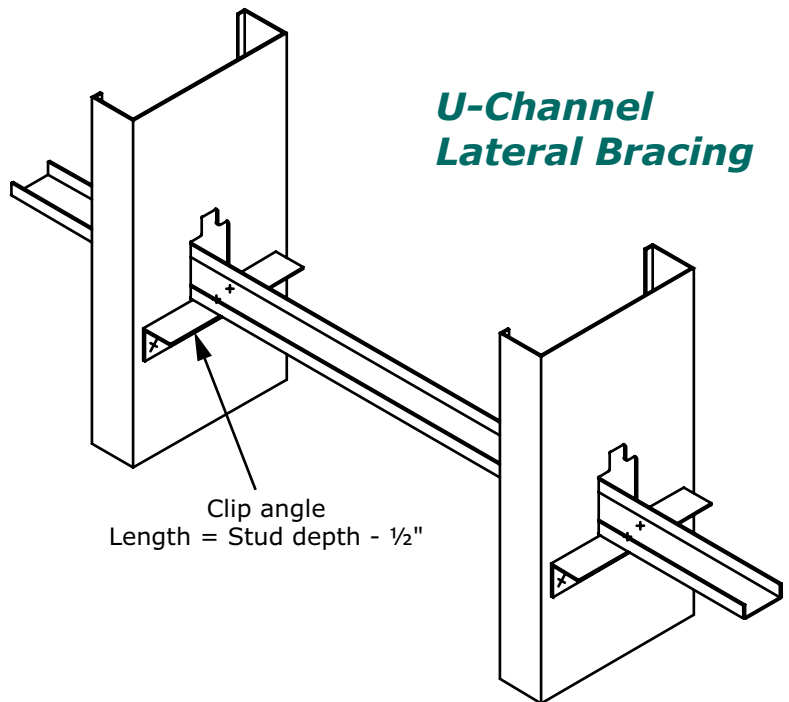


General Note:
All connections should be designed by a licensed design professional.

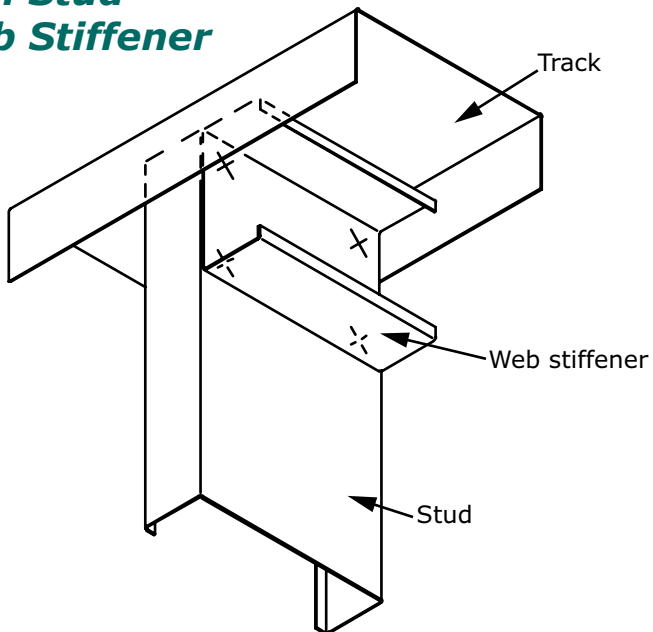
Flat Strap Lateral Bracing



U-Channel Lateral Bracing



Wall Stud Web Stiffener



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



Lined area for notes, consisting of 25 horizontal lines.

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