

Product Catalog

JAIMES

INDUSTRIES

INCORPORATED

Jaimes Industries is proud to be one of the Leading Manufacturers and Suppliers of

**Light Gauge Metal Studs
Engineered Trusses and Wall Panels**

for over 35 years

Jaimes Industries is third party **SFIA Certified**. We are a top source for true gauge flat steel framing that can be purchased through our trusted distributors.



NONSTRUCTURAL
CERTIFIED CODE COMPLIANT TO
✓IBC 2012
✓ASTM C645
✓ASTM A1003/A1003M

Steel Framing Industry Association—Service to the Industry



SFIA
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STRUCTURAL
CERTIFIED CODE COMPLIANT TO
✓IBC 2012
✓ASTM C995
✓ASTM A1003/A1003M

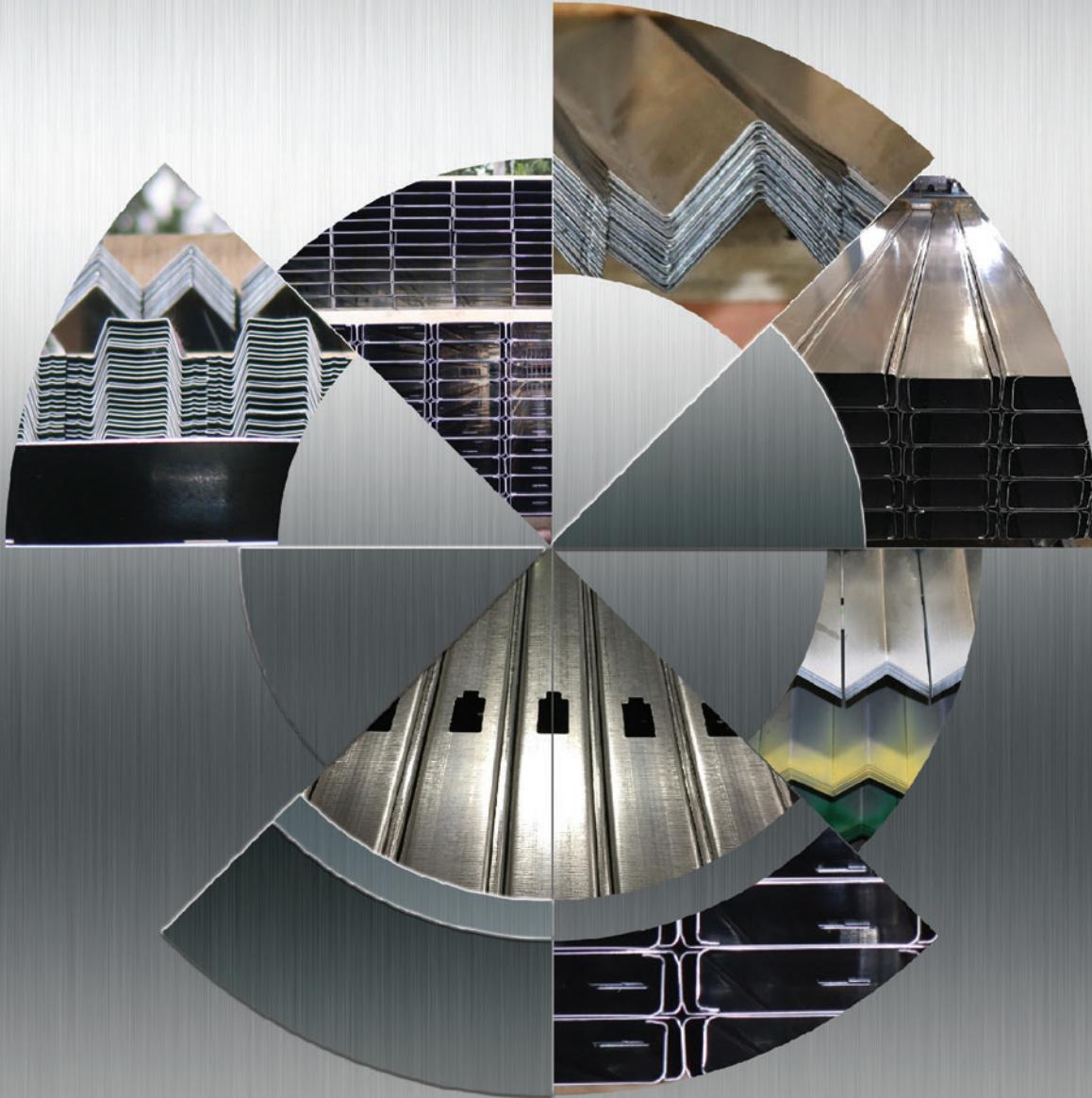
Steel Framing Industry Association—Service to the Industry



MANUFACTURED IN MICHIGAN SUPPLIED TO THE WORLD

Jaimes Industries manufactures a wide variety of **Studs, Track, Hat Channel** and a large variety of **custom shapes** to satisfy all of your rough and finish carpentry needs.

Light Gauge Metal Studs



We invite **Architects and Structural Engineers** to visit our website
at www.jaimesind.com for instant answers and submittals for your next design project!

Roof Trusses



Wall Panels



Floor Trusses



Jaimes Industries, Inc. can accommodate all of your project's **Truss and Wall Panel** needs. From concept to completion, our Trusses and Wall Panels **meet even the most demanding specifications** by Architects, Engineers and Builders. We make it easy to spec our products for your project. Call your Jaimes Industries sales representative today or visit our website at www.jaimesind.com for more information on how we can help you.

INTRODUCTION

THE STEEL FRAMING INDUSTRY ASSOCIATION (**SFIA**) WAS FORMED WITH THE OBJECTIVE OF ASSISTING COMPANIES HAVING INTERESTS IN THE COLD-FORMED STEEL FRAMING INDUSTRY TO BE MORE SUCCESSFUL BY UNIFYING THE INDUSTRY TO EXPAND THE MARKET FOR THE USE OF COLD FORMED STEEL SYSTEMS THROUGH:

- (A) **QUALITY ASSURANCE**
- (B) **PROMOTION**
- (C) **ADVOCACY**
- (D) **EDUCATION**
- (E) **INNOVATION**

THE SFIA DEVELOPED THIS INDUSTRY LEADING PRODUCT TECHNICAL GUIDE TO COMPLY WITH THE LATEST BUILDING CODES AND STANDARDS. THE DATA IN THIS CATALOG BASED ON THE AMERICAN IRON AND STEEL INSTITUTE'S AISI S100-12 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND MEETS THE REQUIREMENTS OF THE IBC 2015 BUILDING CODE. WHILE BUILDING CODES VARY BY JURISDICTION, THIS PROGRAM FOLLOWS THE MOST RECENT INTERNATIONAL STANDARDS PUBLISHED BY THE INTERNATIONAL CODE COUNCIL, THE MOST WIDELY RECOGNIZED BUILDING CODE AUTHORITY IN NORTH AMERICA.

MATERIAL SPECIFICATION

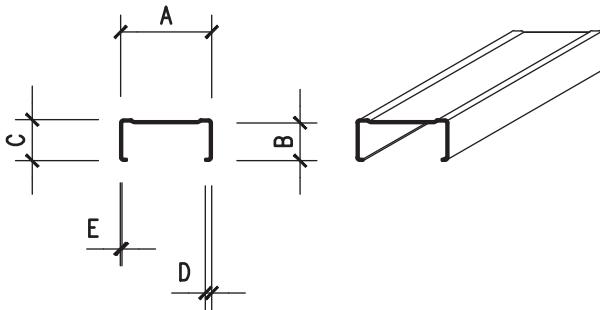
PRODUCTS MANUFACTURED BY SFIA MEMBERS ARE FORMED FROM STEEL WITH A MINIMUM YIELD STRESS OF 33 OR 50 KIPS PER SQUARE INCH (ksi). UNLESS NOTED OTHERWISE, ALL PRODUCTS COVERED IN THIS SFIA CATALOG ARE ENGINEERED TO MEET THE 2012 EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI) S100-12, NORTH AMERICAN SPECIFICATION OF THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND OTHER AISI STANDARDS REFERENCED IN SECTION 2210 OF THE 2015 INTERNATIONAL BUILDING CODE (IBC-2012). THE STRUCTURAL PROPERTIES IN THIS SFIA CATALOG HAVE BEEN COMPUTED BASED ON ALLOWABLE STRESS DESIGN (ASD) WHICH INCLUDES DISTORTIONAL BUCKLING CONSIDERATIONS FOR ALL STUD SECTIONS. FOR FASTENER TABLES, SCREW SIZES AND HEAD DIAMETERS DO NOT REFER TO SPECIFIC FASTENERS WHICH MAY OR MAY NOT BE AVAILABLE FROM SFIA MEMBER COMPANIES. SHEAR AND TENSION DATA FOR SCREWS WAS DEVELOPED USING PUBLISHED MANUFACTURER DATA AND EVALUATION REPORTS AVAILABLE AT THE TIME OF PUBLICATIONS.

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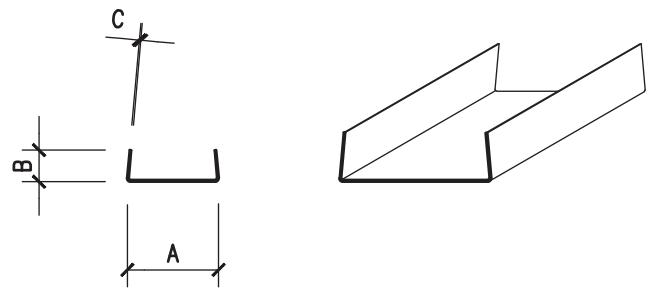
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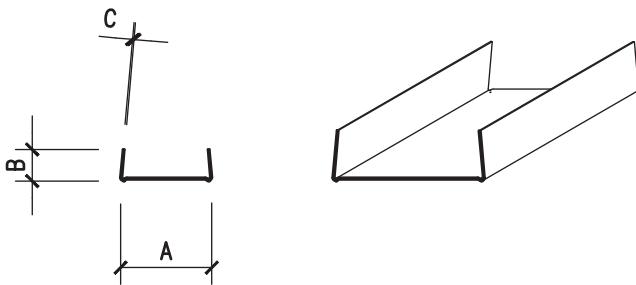


- A. 1 5/8", 2 1/2", 3 5/8", 4", 6"
 - B. 1 1/4"
 - C. 1 5/16"
 - D. 1/4"
 - E. .019 - 25 GAGE
.027 - 22 GAGE
.030 - 20 GAGE
.033 - 20 GAGE
- 25 GAGE TO 20 GAGE
STANDARD LENGTH 8'-0" THROUGH 24'-0"
SPECIAL LENGTHS AVAILABLE

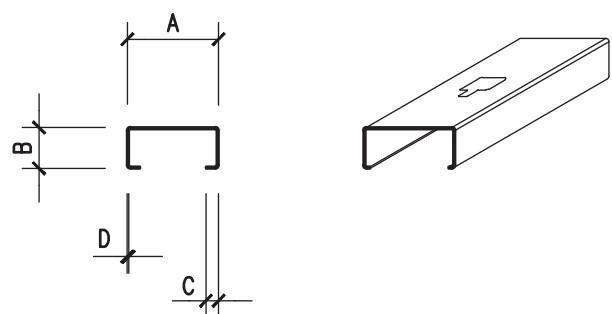


- A. 2 1/2", 3 5/8", 4", 6", 8", 10", 12", 14"
 - B. 1 1/4", 2", 3"
 - C. .034 - 20 GAGE
.043 - 18 GAGE
.054 - 16 GAGE
.068 - 14 GAGE
.097 - 12 GAGE
- 20 GAGE TO 12 GAGE
STANDARD LENGTH 10'-0"

STANDARD STUD



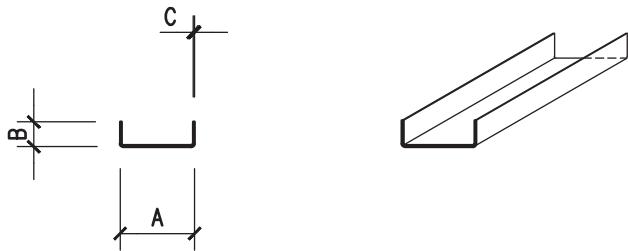
- A. 1 5/8", 2 1/2", 3 5/8", 4", 6"
 - B. 1 1/4"
 - C. .019 - 25 GAGE
.027 - 22 GAGE
.030 - 20 GAGE
- 25 GAGE TO 20 GAGE
STANDARD LENGTH 10'-0"



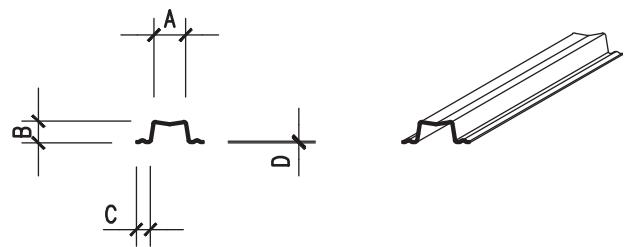
- A. 2 1/2", 3 5/8", 4", 6", 8", 10", 12", 14"
 - B. 1 5/8", 2", 2 1/2"
 - C. 1/2", 5/8"
 - D. .034 - 20 GAGE
.043 - 18 GAGE
.054 - 16 GAGE
.068 - 14 GAGE
.097 - 12 GAGE
- ALL LENGTHS

STANDARD TRACK

STRUCTURAL TRACK

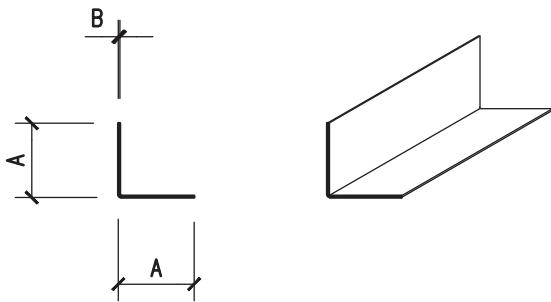


A. 1 1/2", 3/4"
 B. 1/2", 9/16"
 C. .054 (16 GAGE)
 STANDARD LENGTH 16'-0"



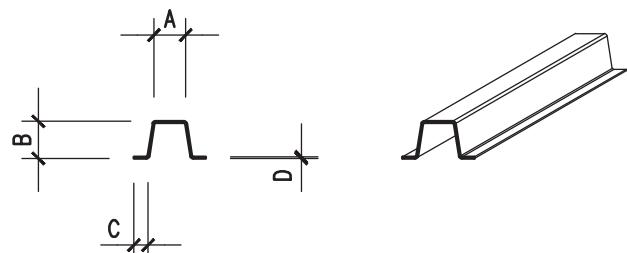
A. 1 1/4"
 B. 7/8"
 C. 1/2"
 D. .019 - 25 GAGE
 .027 - 22 GAGE
 .030 - 20 GAGE
 STANDARD LENGTH 12'-0"

GALVANIZED COLD ROLLED CHANNEL / CRC



VARIETY OF SIZES AND COMBINATIONS
FROM 1 1/2" THROUGH 3" AND
25 GAGE THROUGH 12 GAGE

7/8" HAT CHANNEL



A. 1 1/4"
 B. 1 1/2"
 C. 1/2"
 D. .019 - 25 GAGE
 .027 - 22 GAGE
 .030 - 20 GAGE
 .043 - 18 GAGE
 .054 - 16 GAGE

USED FOR FURLING, CHASE WALL, PURLENS FOR EXTERIOR WALLS,
MANSARD FRAMING AND CEILINGS
STANDARD LENGTH 12'-0"

ANGLE

1 1/2" HAT CHANNEL

General Product Information

The Steel Framing Industry Association (SFIA) supports the industry standard nomenclature published in the American Iron and Steel Institutes's (AISI) General Provisions, S200, The AISI S200 states in Section A5.2 that .."structural members and non-structural members shall use a four-part product designator that identifies the size (both web depth and flange width), style, and thickness." An example of this designator is shown below:

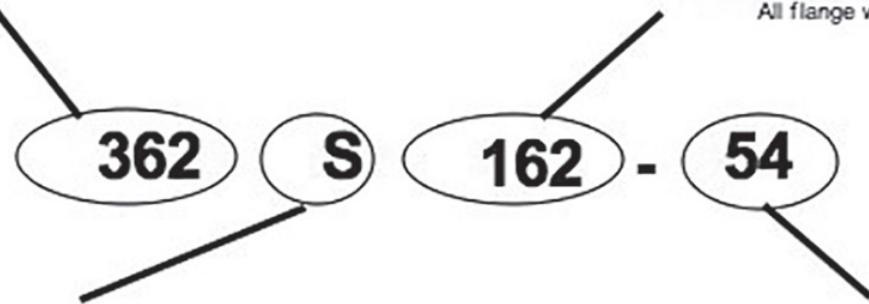
EXAMPLE:

MEMBER DEPTH:

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

All member depths are taken in 1/100 inches.

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



STYLE:

(Example: Stud or Joist section = S)

The four alpha characters utilized by the designator system are:

S = Stud or Joist Sections

T = Track Sections

U = Channel Sections

F = Furring Channel Sections

MATERIAL THICKNESS:

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

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

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

General Product Information

Thickness Table

Designation Thickness (Mils)	Minimum Thickness (in)	Design Thickness ¹ (in)	Design Inside Corner Radii ² (in)	Reference Gauge No.
18	0.018	0.019	0.084	25
27	0.027	0.028	0.080	22
30	0.030	0.031	0.078	20-Drywall
33	0.033	0.035	0.076	20-Structural
43	0.043	0.045	0.071	18
54	0.054	0.057	0.085	16
68	0.068	0.071	0.107	14
97	0.097	0.102	0.153	12
118	0.118	0.124	0.186	10

Design Stiffening Lip Length

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

¹ Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the jobsite based on section A2.4 of the AISI S100-07 with S2-10 Supplement.

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

General Notes for all Tables

- Where AISI S100-07 with S2-10 Supplement is referenced, it is the "North American Specification for the Design of Cold-Formed Steel Structural Members", 2007 Edition with 2010 Supplement, with US provisions.
- The strength increase from cold work of forming has been incorporated for flexural strength per section A7.2 of AISI S100-07 with S2-10.
- The effective moment of inertia for deflection is calculated at a stress which results in a section modulus such that the stress times the section modulus at that stress is equal to the allowable moment. AISI S100-07 with S2-10 Specification Procedure 1 for serviceability determination has been used. Increases in the effective moment of inertia (I_{x_0}) may be possible at lower stress levels. Any modified values would be required to be calculated by a qualified engineer.
- Various sections may be manufactured with yield points of 33 or 50 ksi. The yield point used for calculations are listed in the tables.
- For sections available in both 33 and 50 ksi, the specifier must be clearly indicate which yield point is required. For ex. 362S162-68 (50ksi).
- When provided, factory punchouts will be located along the centerline of the webs of the members and will have a minimum center-to-center spacing of 24 inches. Punchouts for members greater than 2.5 inches deep are a maximum of 1.5 inches wide x 4 inches long.
Members with depths 2.5 inches and smaller are maximum of 3/4 inches wide x 4 inches long.

Definitions of Structural Property Symbols

Gross Properties

- I_x: Moment of inertia of gross section about the X-X axis (strong axis).
 S_x: Section modulus about the X-X axis (strong axis).
 R_x: Radius of gyration of the gross section about the X-X axis.
 I_y: Moment of inertia of gross section about the Y-Y axis (weak axis).
 R_y: Radius of gyration of the gross section about the Y-Y axis.

Effective Properties

- I_{xe}: Effective moment of inertia about the X-axis.
 S_{xe}: Effective section modulus about the X-X axis (strong axis) stress = F_y.
 M_a: Allowable Bending Moment - Based on the effective section modulus and the allowable stress including the strength increase from the cold-work of forming (section A7.2) where applicable.
 M_{ad}: Allowable Bending Moment - Based on Distortion Buckling Strength calculated per AISI section C3.1.4
 V_{ag}: Allowable strong axis shear away from punchout, calculated in accordance with AISI section C3.2.1.
 V_{anet}: Allowable strong axis shear at punchout, calculated in accordance with AISI section C3.2.2.

Torsional and Other Properties

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

Section Properties

Section Properties Table Notes

1. Calculated properties are based on AISI S100-07 with S2-10 Supplement, North American Specification for Design of Cold-Formed Steel Structural Members.

2. The centerline bend radius is based on inside corner radii shown in thickness chart.

3. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.

4. Tabulated gross properties are based on full-unreduced cross section of the studs, away from punchouts.

5. For deflection calculations, use the effective moment of inertia.

6. Allowable moment includes cold-work of forming.

7. For the steels that have both 33 and 50 ksi listing, if the design is based on 50 ksi, the 50 ksi steel needs to be specified. (ex. 3.625 S137 16-50 (50 ksi))

8. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural track sections are ignored.

Non-Structural (S) Stud Section Properties

Member	Design Thickness	F_y (ksi)	Gross Properties						Effective Properties						Torsional Properties						L_u (in)	
			Area	Weight (lb/ft)	I_x (in ⁴)	S_x (in ³)	R_x (in)	I_y (in ⁴)	R_y (in)	I_x (in ⁴)	S_x (in ³)	M_a (in-k)	M_{ad} (in-k)	V_{a_g} (lb)	$V_{a_{net}}$ (lb)	$Jx1000$	C_w (in ⁴)	X_o (in)	m	R_o (in)	β	
162S125-18	0.019	33	0.080	0.27	0.038	0.046	0.686	0.016	0.447	0.034	0.031	0.61	0.65	302	100	0.009	0.009	-1.029	0.594	1.315	0.388	29.0
162S125-27	0.028	33	0.120	0.41	0.056	0.069	0.682	0.023	0.443	0.055	0.053	1.05	1.14	494	106	0.032	0.013	-1.018	0.587	1.303	0.390	29.1
162S125-30	0.031	33	0.132	0.45	0.061	0.075	0.681	0.026	0.441	0.060	0.060	1.19	1.30	543	106	0.043	0.014	-1.014	0.585	1.299	0.390	29.2
162S125-33	0.035	33	0.145	0.49	0.067	0.083	0.679	0.028	0.440	0.066	0.069	1.37	1.48	601	105	0.058	0.016	-1.010	0.583	1.294	0.391	29.3
250S125-18	0.019	33	0.097	0.33	0.099	0.079	1.014	0.019	0.439	0.089	0.060	1.18	1.03	258	196	0.011	0.023	-0.904	0.543	1.428	0.599	29.0
250S125-27	0.028	33	0.144	0.49	0.147	0.118	1.009	0.027	0.434	0.145	0.098	1.93	1.83	685	344	0.039	0.034	-0.893	0.537	1.416	0.602	28.9
250S125-30	0.031	33	0.159	0.54	0.161	0.129	1.008	0.030	0.433	0.159	0.110	2.18	2.09	832	378	0.052	0.037	-0.890	0.535	1.413	0.603	28.9
250S125-33	0.035	33	0.176	0.60	0.178	0.142	1.007	0.033	0.431	0.175	0.126	2.48	2.41	975	399	0.070	0.040	-0.886	0.532	1.409	0.604	28.9
350S125-18	0.019	33	0.115	0.39	0.215	0.123	1.366	0.021	0.423	0.197	0.072	1.42	1.47	180	159	0.014	0.050	-0.798	0.495	1.638	0.763	28.8
350S125-27	0.028	33	0.173	0.59	0.320	0.183	1.361	0.030	0.419	0.313	0.130	2.57	2.65	614	359	0.046	0.073	-0.788	0.489	1.627	0.766	28.7
350S125-30	0.031	33	0.190	0.65	0.351	0.201	1.360	0.033	0.417	0.346	0.150	2.97	3.05	824	436	0.062	0.079	-0.784	0.488	1.624	0.767	28.6
350S125-33	0.035	33	0.210	0.72	0.388	0.222	1.358	0.036	0.416	0.382	0.175	3.46	3.53	1024	487	0.084	0.087	-0.781	0.485	1.621	0.768	28.6
362S125-18	0.019	33	0.118	0.40	0.234	0.129	1.409	0.021	0.421	0.215	0.075	1.48	1.52	173	163	0.014	0.054	-0.786	0.490	1.667	0.778	28.8
362S125-27	0.028	33	0.176	0.60	0.347	0.192	1.404	0.031	0.416	0.340	0.135	2.67	2.76	592	370	0.047	0.079	-0.776	0.484	1.657	0.781	28.6
362S125-30	0.031	33	0.194	0.66	0.381	0.210	1.402	0.033	0.415	0.375	0.156	3.09	3.17	794	449	0.063	0.086	-0.773	0.482	1.654	0.782	28.6
362S125-33	0.035	33	0.215	0.73	0.421	0.232	1.401	0.037	0.413	0.415	0.182	3.60	3.68	1024	521	0.086	0.094	-0.770	0.480	1.651	0.783	28.5
400S125-18 ¹	0.019	33	0.125	0.42	0.294	0.147	1.536	0.021	0.415	0.273	0.083	1.64	1.69	156	156	0.015	0.068	-0.755	0.475	1.761	0.816	28.7
400S125-27	0.028	33	0.187	0.64	0.438	0.219	1.531	0.031	0.410	0.428	0.151	2.98	3.07	533	398	0.050	0.098	-0.745	0.469	1.751	0.819	28.5
400S125-30	0.031	33	0.206	0.70	0.481	0.240	1.529	0.034	0.409	0.473	0.174	3.44	3.54	715	484	0.067	0.108	-0.742	0.467	1.748	0.820	28.5
400S125-33	0.035	33	0.228	0.77	0.531	0.265	1.527	0.038	0.407	0.523	0.203	4.02	4.11	976	595	0.091	0.118	-0.738	0.465	1.745	0.821	28.4
600S125-18 ²	0.019	33	0.162	0.55	0.779	0.260	2.190	0.024	0.382	0.648	0.145	2.86	2.48	102	102	0.019	0.172	-0.623	0.408	2.308	0.927	28.0
600S125-27 ¹	0.028	33	0.243	0.83	1.161	0.387	2.184	0.035	0.378	1.097	0.271	5.35	4.64	349	349	0.065	0.251	-0.614	0.403	2.300	0.929	27.7
600S125-30	0.031	33	0.268	0.91	1.276	0.425	2.182	0.038	0.376	1.219	0.315	6.22	5.40	468	468	0.087	0.274	-0.611	0.401	2.297	0.929	27.7
600S125-33	0.035	33	0.297	1.01	1.410	0.470	2.180	0.042	0.375	1.361	0.370	7.31	6.32	638	638	0.118	0.300	-0.608	0.399	2.294	0.930	27.6

Structural (S) Stud Section Properties

Member	Design Thickness	F_y (ksi)	Gross Properties						Effective Properties						Torsional Properties						L_u (in)	
			Area	Weight (lb/ft)	I_x (in ⁴)	S_x (in ³)	R_x (in)	I_y (in ⁴)	R_y (in)	I_x (in ⁴)	S_x (in ³)	M_a (in-k)	M_{ad} (in-k)	V_{a_g} (lb)	$V_{a_{net}}$ (lb)	$Jx1000$	C_w (in ⁴)	X_o (in)	m	R_o (in)	β	
250S162-33	0.035	33	0.223	0.76	0.235	0.188	1.027	0.087	0.624	0.235	0.180	3.55	3.56	975	399	0.089	0.146	-1.470	0.859	1.898	0.401	44.1
250S162-43	0.045	33	0.289	0.98	0.302	0.242	1.022	0.111	0.620	0.302	0.240	5.22	5.25	1265	394	0.196	0.184	-1.457	0.852	1.885	0.402	42.1
250S162-54	0.057	33	0.358	1.22	0.370	0.296	1.016	0.135	0.613	0.370	0.296	6.57	6.57	1553	373	0.383	0.223	-1.443	0.845	1.868	0.404	41.8
250S162-54	0.057	50	0.358	1.22	0.370	0.296	1.016	0.135	0.613	0.370	0.294	9.42	9.46	2353	565	0.383	0.223	-1.443	0.845	1.868	0.404	33.9
250S162-68	0.071	33	0.443	1.51	0.450	0.360	1.008	0.162	0.605	0.450	0.360	8.21	8.21	1891	342	0.752	0.268	-1.424	0.835	1.847	0.405	41.7
250S162-68	0.071	50	0.443	1.51	0.450	0.360	1.008	0.162	0.605	0.450	0.357	12.11	12.21	2866	519	0.752	0.268	-1.424	0.835	1.847	0.405	33.7
350S162-33	0.035	33	0.258	0.88	0.508	0.291	1.404	0.098	0.617	0.508	0.257	5.09	5.22	1024	487	0.103	0.277	-1.324	0.796	2.026	0.573	42.7
350S162-43	0.045	33	0.334	1.14	0.655	0.374	1.400	0.125	0.612	0.654	0.357	7.05	7.31	1739	631	0.227	0.350	-1.312	0.789	2.014	0.575	42.6
350S162-54	0.057	33	0.415	1.41	0.805	0.460	1.393	0.152	0.606	0.804	0.447	8.83	9.08	2253	633	0.443	0.426	-1.298	0.782	1.998	0.578	42.7
350S162-54	0.057	50	0.415	1.41	0.805	0.460	1.393	0.152	0.606	0.804	0.426	12.74	13.05	3372	947	0.443	0.426	-1.298	0.782	1.998	0.578	34.5
350S162-68	0.071	33	0.515	1.75	0.985	0.563	1.383	0.184	0.597	0.985	0.551	12.57	12.83	2774	592	0.872	0.514	-1.280	0.772	1.977	0.581	34.7
350S162-68	0.071	50	0.515	1.75	0.985	0.563	1.383	0.184	0.597	0.985	0.549	16.44	16.85	4203	897	0.872	0.514	-1.280	0.772	1.977	0.581	34.5
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Section Properties

Structural (S) Stud Section Properties

Member	Design Thickness (in)	F_y (ksi)	Gross Properties						Effective Properties						Torsional Properties						L_u (in)	
			Area (in ²)	Weight (lb/ft)	I_x (in ⁴)	S_x (in ³)	R_x (in)	I_y (in ⁴)	R_y (in)	I_z (in ⁴)	S_z (in ³)	M_a (in-k)	M_{ad} (in-k)	Va_g (lb)	Va_{net} (lb)	Jx1000 (in ⁴)	C_w (in ⁶)	X_o (in)	m (in)	R_o (in)	β	
400S162-33	0.035	33	0.275	0.94	0.692	0.346	1.586	0.103	0.611	0.692	0.299	5.91	6.07	976	595	0.110	0.363	-1.263	0.768	2.118	0.644	42.3
400S162-43	0.045	33	0.357	1.21	0.892	0.446	1.581	0.131	0.606	0.892	0.417	8.23	8.55	1739	810	0.242	0.460	-1.252	0.761	2.106	0.647	42.2
400S162-54	0.057	33	0.443	1.51	1.098	0.549	1.574	0.159	0.600	1.098	0.498	14.90	15.25	3372	1223	0.473	0.560	-1.238	0.754	2.090	0.649	42.2
400S162-54	0.057	50	0.443	1.51	1.098	0.549	1.574	0.159	0.600	1.098	0.498	14.90	15.25	3372	1223	0.473	0.560	-1.238	0.754	2.090	0.649	34.1
400S162-68	0.071	33	0.550	1.87	1.346	0.673	1.564	0.192	0.591	1.346	0.658	13.00	13.30	3215	895	0.933	0.677	-1.220	0.745	2.069	0.653	42.2
400S162-68	0.071	50	0.550	1.87	1.346	0.673	1.564	0.192	0.591	1.346	0.648	19.41	20.16	4871	1356	0.933	0.677	-1.220	0.745	2.069	0.653	34.0
400S162-97	0.102	33	0.762	2.59	1.813	0.907	1.542	0.250	0.572	1.813	0.892	21.41	4394	797	2.628	0.889	-1.182	0.725	2.026	0.660	42.6	
400S162-97	0.102	50	0.762	2.59	1.813	0.907	1.542	0.250	0.572	1.813	0.892	31.65	27.15	6658	1207	2.628	0.889	-1.182	0.725	2.026	0.660	34.1
400S200-33	0.035	33	0.310	1.05	0.812	0.406	1.619	0.183	0.769	0.804	0.329	6.49	6.90	976	595	0.124	0.697	-1.688	1.007	2.462	0.530	53.1
400S200-43	0.045	33	0.402	1.37	1.048	0.524	1.615	0.235	0.764	1.048	0.478	9.45	9.74	1739	810	0.272	0.886	-1.676	1.000	2.450	0.532	53.0
400S200-54	0.057	33	0.500	1.70	1.292	0.646	1.608	0.287	0.758	1.292	0.623	12.30	12.77	2603	944	0.534	1.083	-1.662	0.993	2.433	0.534	53.0
400S200-54	0.057	50	0.500	1.70	1.292	0.646	1.608	0.287	0.758	1.292	0.623	17.32	3372	1223	0.534	1.083	-1.662	0.993	2.433	0.534	42.9	
400S200-68	0.071	33	0.622	2.12	1.590	0.795	1.599	0.349	0.750	1.589	0.780	15.41	15.71	3215	895	1.054	1.318	-1.643	0.983	2.412	0.536	53.2
400S200-68	0.071	50	0.622	2.12	1.590	0.795	1.599	0.349	0.750	1.589	0.751	22.48	23.04	4871	1356	1.054	1.318	-1.643	0.983	2.412	0.536	42.9
400S200-97	0.102	33	0.864	2.94	2.156	1.078	1.580	0.463	0.732	2.156	1.064	24.73	21.30	4394	797	2.978	1.749	-1.605	0.963	2.368	0.541	53.8
400S200-97	0.102	50	0.864	2.94	2.156	1.078	1.580	0.463	0.732	2.156	1.064	36.69	32.27	6658	1207	2.978	1.749	-1.605	0.963	2.368	0.541	43.1
400S250-33 ²	0.035	33	0.344	1.17	0.948	0.474	1.660	0.310	0.949	1.224	0.503	9.93	10.42	1739	810	0.303	1.486	-2.139	1.252	2.865	0.443	63.7
400S250-43	0.045	33	0.447	1.52	1.224	0.612	1.655	0.399	0.945	1.512	0.653	12.91	13.92	2603	944	0.594	1.821	-2.124	1.244	2.848	0.444	63.8
400S250-54	0.057	33	0.556	1.89	1.512	0.756	1.649	0.490	0.938	1.512	0.653	13.92	13.92	2603	944	0.594	1.821	-2.124	1.244	2.848	0.444	63.8
400S250-54	0.057	50	0.556	1.89	1.512	0.756	1.649	0.490	0.938	1.496	0.576	17.24	18.43	3372	1223	0.594	1.821	-2.124	1.244	2.848	0.444	51.6
400S250-68	0.071	33	0.693	2.36	1.865	0.932	1.640	0.599	0.929	1.865	0.883	17.45	18.42	3215	895	1.174	2.225	-2.105	1.235	2.826	0.445	64.0
400S250-68	0.071	50	0.693	2.36	1.865	0.932	1.640	0.599	0.929	1.865	0.775	23.20	24.77	4871	1356	1.174	2.225	-2.105	1.235	2.826	0.445	51.6
400S250-97	0.102	33	0.966	3.28	2.542	1.271	1.623	0.801	0.911	2.542	1.257	28.39	25.12	4394	797	3.329	2.978	-2.066	1.214	2.781	0.448	64.8
400S250-97	0.102	50	0.966	3.28	2.542	1.271	1.623	0.801	0.911	2.542	1.202	40.44	38.05	6658	1207	3.329	2.978	-2.066	1.214	2.781	0.448	51.9
600S162-33	0.035	33	0.344	1.17	1.793	0.598	2.282	0.116	0.581	1.793	0.577	11.41	9.47	638	638	0.137	0.861	-1.072	0.677	2.588	0.828	41.1
600S162-43	0.045	33	0.447	1.52	2.316	0.772	2.277	0.148	0.576	2.316	0.767	16.68	14.47	1416	1240	0.303	1.095	-1.062	0.670	2.577	0.830	40.9
600S162-54	0.057	33	0.556	1.89	2.861	0.954	2.268	0.180	0.570	2.860	0.953	21.17	19.76	2739	1890	0.594	1.337	-1.049	0.663	2.563	0.833	40.7
600S162-54	0.057	50	0.556	1.89	2.861	0.954	2.268	0.180	0.570	2.860	0.916	30.33	25.91	2823	1947	0.594	1.337	-1.049	0.663	2.563	0.833	33.0
600S162-68	0.071	33	0.693	2.36	3.526	1.175	2.256	0.218	0.561	3.525	1.175	26.79	26.79	4347	2339	1.174	1.626	-1.032	0.655	2.543	0.835	40.6
600S162-68	0.071	50	0.693	2.36	3.526	1.175	2.256	0.218	0.561	3.525	1.175	26.79	26.79	4347	2339	1.174	1.626	-1.032	0.655	2.543	0.835	32.8
600S162-97	0.102	33	0.966	3.28	4.799	1.600	2.229	0.283	0.542	4.798	1.599	38.38	38.39	6911	2512	3.329	2.153	-0.997	0.636	2.501	0.841	40.3
600S162-97	0.102	50	0.966	3.28	4.799	1.600	2.229	0.283	0.542	4.798	1.599	56.73	56.75	10472	3806	3.329	2.153	-0.997	0.636	2.501	0.841	32.5
600S200-33	0.035	33	0.379	1.29	2.076	0.692	2.340	0.209	0.743	2.058	0.621	12.28	10.77	638	638	0.151	1.593	-1.457	0.901	2.855	0.740	51.6
600S200-43	0.045	33	0.492	1.67	2.683	0.894	2.335	0.268	0.739	2.683	0.873	17.24	15.39	1416	1240	0.334	2.033	-1.446	0.894	2.844	0.742	51.4
600S200-54	0.057	33	0.613	2.09	3.320	1.107	2.327	0.329	0.732	3.319	1.106	24.07	22.08	2739	1890	0.655	2.493	-1.432	0.887	2.829	0.744	51.3
600S200-54	0.057	50	0.613	2.09	3.320	1.107	2.327	0.329	0.732	3.319	1.105	30.40	27.39	2823	1947	0.655	2.493	-1.432	0.887	2.829	0.744	41.6
600S200-68	0.071	33	0.764	2.60	4.102	1.367	2.316	0.400	0.723	4.101	1.367	30.42	29.98	4347	2339	1.295	3.047	-1.415	0.878	2.809	0.746	51.2
600S200-68	0.071	50	0.764	2.60	4.102	1.367	2.316	0.400	0.723	4.101	1.317	39.71	35.50	6911	2512	3.295	3.047	-1.415	0.878	2.809	0.746	41.4
600S200-97	0.102	33	1.067	3.63	5.614	1.871	2.293	0.530	0.705	5.613	1.871	64.54	63.70	10472	3806	3.679	4.080	-1.378	0.859	2.767	0.752	41.2
600S250-43	0.045	33	0.537	1.83	3.083	1.028	2.396	0.458	0.923	3.083	0.918	18.14	16.21	1416	1240	0.364	3.411	-1.874	1.136	3.179	0.652	62.4
600S250-54	0.057	33	0.670	2.28	3.820	1.273	2.389	0.562	0.917	3.819	1.159	22.90	21.90	2739	1890	0.715	4.194	-1.860	1.129	3.163	0.654	62.3
600S250-54	0.057	50	0.670	2.28	3.820	1.273	2.389	0.562	0.917	3.766	1.069	32.00	28.72	2823	1947	0.715	4.194	-1.860	1.129	3.163	0.654	50.5
600S250-68	0.071	33	0.836	2.84	4.728	1.576	2.379	0.688	0.908	4.724	1.386	41.50	39.08	5350	2879	1.416	5.145	-1.842	1.119	3.142	0.657	50.4
600S250-68	0.071	50	1.169	3.98	6.498	2.166	2.358	0.923	0.889	6.497	2.161	48.81	48.93	6911								

Section Properties

Structural (S) Stud Section Properties

Member	Design Thickness (in)	F_y (ksi)	Gross Properties							Effective Properties							Torsional Properties							L_u (in)
			Area (in ²)	Weight (lb/ft)	I_x (in ⁴)	S_x (in ³)	R_x (in)	I_y (in ⁴)	R_y (in)	I_x (in ⁴)	S_x (in ³)	M_a (in-k)	M_{ad} (in-k)	V_{a_g} (lb)	$V_{a_{ref}}$ (lb)	Jx1000 (in ⁴)	C_w (in ⁶)	X_o (in)	m (in)	R_o (in)	β			
1000S162-97	0.102	50	1.372	4.67	16.974	3.395	3.517	0.320	0.483	16.968	3.270	97.90	92.61	9864	7177	4.731	6.827	-0.768	0.514	3.632	0.955	30.4		
1000S200-43 ¹	0.045	33	0.672	2.29	9.088	1.818	3.676	0.309	0.677	8.603	1.470	29.05	26.16	836	836	0.456	6.236	-1.147	0.743	3.910	0.914	49.3		
1000S200-54	0.057	33	0.839	2.86	11.282	2.256	3.666	0.378	0.671	10.954	1.984	39.20	35.88	1661	1661	0.896	7.665	-1.135	0.737	3.896	0.915	49.1		
1000S200-54	0.057	50	0.839	2.86	11.282	2.256	3.666	0.378	0.671	10.770	1.705	51.05	46.64	1661	1661	0.896	7.665	-1.135	0.737	3.896	0.915	39.8		
1000S200-68	0.071	33	1.050	3.57	13.999	2.800	3.652	0.460	0.662	13.921	2.607	51.52	49.09	3345	3345	1.779	9.401	-1.120	0.729	3.877	0.917	48.8		
1000S200-68	0.071	50	1.050	3.57	13.999	2.800	3.652	0.460	0.662	13.666	2.420	72.47	64.53	3345	3345	1.779	9.401	-1.120	0.729	3.877	0.917	39.6		
1000S200-97	0.102	33	1.474	5.01	19.343	3.869	3.622	0.610	0.643	19.337	3.867	76.42	76.44	8843	6434	5.082	12.679	-1.088	0.711	3.836	0.920	48.2		
1000S200-97	0.102	50	1.474	5.01	19.343	3.869	3.622	0.610	0.643	19.337	3.741	112.01	104.79	9864	7177	5.082	12.679	-1.088	0.711	3.836	0.920	39.0		
1000S250-43 ¹	0.045	33	0.717	2.44	10.205	2.041	3.771	0.531	0.860	10.203	1.617	31.95	27.68	836	836	0.486	10.481	-1.518	0.965	4.155	0.867	60.7		
1000S250-54	0.057	33	0.896	3.05	12.681	2.536	3.762	0.653	0.854	12.677	2.277	44.99	38.04	1661	1661	0.957	12.922	-1.505	0.958	4.141	0.868	60.5		
1000S250-54	0.057	50	0.896	3.05	12.681	2.536	3.762	0.653	0.854	12.661	1.879	56.27	49.19	1661	1661	0.957	12.922	-1.505	0.958	4.141	0.868	49.1		
1000S250-68	0.071	33	1.121	3.81	15.756	3.151	3.749	0.799	0.844	15.752	3.028	65.93	55.64	3345	3345	1.899	15.909	-1.488	0.950	4.121	0.870	57.3		
1000S250-68	0.071	50	1.121	3.81	15.756	3.151	3.749	0.799	0.844	15.742	2.769	82.90	68.16	3345	3345	1.899	15.909	-1.488	0.950	4.121	0.870	48.8		
1000S250-97	0.102	33	1.576	5.36	21.834	4.367	3.722	1.073	0.825	21.828	4.357	98.41	91.82	8843	6434	5.433	21.632	-1.454	0.932	4.080	0.873	55.8		
1000S250-97	0.102	50	1.576	5.36	21.834	4.367	3.722	1.073	0.825	21.828	4.181	140.63	120.20	9864	7177	5.433	21.632	-1.454	0.932	4.080	0.873	45.6		
1200S162-54 ¹	0.057	33	0.896	3.05	15.736	2.623	4.191	0.212	0.486	14.744	2.109	41.68	36.40	1377	1377	0.957	6.340	-0.732	0.493	4.282	0.971	37.5		
1200S162-54 ¹	0.057	50	0.896	3.05	15.736	2.623	4.191	0.212	0.486	14.299	1.914	57.32	46.79	1377	1377	0.957	6.340	-0.732	0.493	4.282	0.971	30.5		
1200S162-68	0.071	33	1.121	3.81	19.526	3.254	4.174	0.255	0.477	18.956	2.817	55.66	50.99	2771	2771	1.899	7.739	-0.719	0.485	4.262	0.972	37.2		
1200S162-68	0.071	50	1.121	3.81	19.526	3.254	4.174	0.255	0.477	18.391	2.645	79.20	66.18	2771	2771	1.899	7.739	-0.719	0.485	4.262	0.972	30.2		
1200S162-97	0.102	33	1.576	5.36	26.977	4.496	4.138	0.332	0.459	26.967	4.327	85.51	83.91	8147	7411	5.433	10.331	-0.691	0.470	4.220	0.973	36.4		
1200S162-97	0.102	50	1.576	5.36	26.977	4.496	4.138	0.332	0.459	26.738	4.091	122.50	111.38	8147	7411	5.433	10.331	-0.691	0.470	4.220	0.973	29.5		
1200S200-54 ¹	0.057	33	0.953	3.24	17.668	2.945	4.307	0.394	0.643	16.679	2.425	47.93	42.49	1377	1377	1.017	11.550	-1.032	0.681	4.475	0.947	48.0		
1200S200-54 ¹	0.057	50	0.953	3.24	17.668	2.945	4.307	0.394	0.643	16.335	2.073	62.07	54.77	1377	1377	1.017	11.550	-1.032	0.681	4.475	0.947	39.0		
1200S200-68	0.071	33	1.192	4.06	21.955	3.659	4.291	0.479	0.634	21.378	3.216	63.54	58.86	2771	2771	2.020	14.176	-1.017	0.673	4.456	0.948	47.7		
1200S200-68	0.071	50	1.192	4.06	21.955	3.659	4.291	0.479	0.634	20.865	2.963	88.72	76.60	2771	2771	2.020	14.176	-1.017	0.673	4.456	0.948	38.7		
1200S200-97	0.102	33	1.677	5.71	30.428	5.071	4.259	0.635	0.615	30.418	4.899	96.81	95.49	8147	7411	5.783	19.150	-0.987	0.656	4.415	0.950	47.0		
1200S200-97	0.102	50	1.677	5.71	30.428	5.071	4.259	0.635	0.615	30.177	4.660	139.52	126.94	8147	7411	5.783	19.150	-0.987	0.656	4.415	0.950	38.1		
1200S250-54 ¹	0.057	33	1.009	3.43	19.687	3.281	4.417	0.683	0.823	18.832	2.483	49.06	45.45	1377	1377	1.078	19.505	-1.378	0.892	4.699	0.914	59.5		
1200S250-54 ¹	0.057	50	1.009	3.43	19.687	3.281	4.417	0.683	0.823	18.437	2.149	64.34	58.42	1377	1377	1.078	19.505	-1.378	0.892	4.699	0.914	48.3		
1200S250-68	0.071	33	1.263	4.30	24.491	4.082	4.403	0.836	0.813	23.964	3.496	69.08	62.98	2771	2771	2.141	24.034	-1.362	0.884	4.680	0.915	59.2		
1200S250-68	0.071	50	1.263	4.30	24.491	4.082	4.403	0.836	0.813	23.576	3.007	90.04	81.64	2771	2771	2.141	24.034	-1.362	0.884	4.680	0.915	48.1		
1200S250-97	0.102	33	1.779	6.05	34.027	5.671	4.373	1.122	0.794	34.017	5.496	108.60	102.58	8147	7411	6.134	32.734	-1.329	0.867	4.639	0.918	58.6		
1200S250-97	0.102	50	1.779	6.05	34.027	5.671	4.373	1.122	0.794	33.837	5.038	150.83	135.45	8147	7411	6.134	32.734	-1.329	0.867	4.639	0.918	47.5		
1400S200-54 ¹	0.057	33	1.066	3.63	25.961	3.709	4.936	0.406	0.617	23.768	2.866	56.63	48.21	1177	1177	1.138	16.355	-0.946	0.633	5.063	0.965	47.0		
1400S200-54 ¹	0.057	50	1.066	3.63	25.961	3.709	4.936	0.406	0.617	23.201	2.440	73.06	61.71	1177	1177	1.138	16.355	-0.946	0.633	5.063	0.965	38.2		
1400S200-68	0.071	33	1.335	4.54	32.297	4.614	4.919	0.494	0.608	30.686	3.824	75.56	67.54	2365	2365	2.262	20.083	-0.932	0.625	5.043	0.966	46.7		
1400S200-68	0.071	50	1.335	4.54	32.297	4.614	4.919	0.494	0.608	29.798	3.505	104.93	87.16	2365	2365	2.262	20.083	-0.932	0.625	5.043	0.966	37.9		
1400S200-97	0.102	33	1.881	6.40	44.870	6.410	4.884	0.655	0.590	43.619	5.580	167.08	147.07	6939	6939	6.484	27.156	-0.904	0.609	5.002	0.967	37.3		
1400S200-97	0.102	50	1.881	6.40	44.870	6.410	4.884	0.655	0.590	43.619	5.580	167.08	147.07	6939	6939	6.484	27.156	-0.904	0.609	5.002	0.967	37.3		
1400S250-54 ¹	0.057	33	1.122	3.82	28.712	4.102	5.058	0.707	0.794	26.759	2.927	57.84	52.11	1177	1177	1.198	27.675	-1.272	0.835	5.275	0.942	58.6		
1400S250-54 ¹	0.057	50	1.122	3.82	28.712	4.102	5.058	0.707	0.794	26.148	2.527	75.65	66.62	1177	1177	1.198	27.675	-1.272	0.835	5.275	0.942	47.6		
1400S250-68	0.071	33	1.406	4.78	35.755	5.108	5.043	0.865	0.784	34.241	4.145	81.91	72.86	2365	2365	2.383	34.118	-1.257	0.827	5.256	0.943	58.3		

Section Properties

(T) Track Section Properties

Member	Design Thickness (in)	F_y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties					Torsional Properties				
					I_x (in ⁴)	S_x (in ³)	R_x (in)	I_y (in ⁴)	R_y (in)	I_x (in ⁴)	S_x (in ³)	M_a (in-k)	V_{A_g} (lb)	Jx1000 (in ⁴)	C_w (in ⁶)	X_o (in)	m (in)	R_o (in)	β
162T125-18	0.019	33	0.078	0.26	0.042	0.048	0.733	0.013	0.411	0.030	0.025	0.50	302	0.009	0.007	-0.876	0.503	1.215	0.479
162T125-27	0.028	33	0.117	0.40	0.063	0.072	0.735	0.020	0.410	0.051	0.044	0.87	541	0.031	0.010	-0.872	0.501	1.211	0.482
162T125-30	0.031	33	0.129	0.44	0.070	0.079	0.735	0.022	0.409	0.057	0.050	1.00	597	0.042	0.012	-0.870	0.500	1.210	0.483
162T125-33	0.035	33	0.143	0.49	0.077	0.087	0.736	0.024	0.408	0.066	0.058	1.15	663	0.057	0.013	-0.868	0.499	1.209	0.484
250T125-18	0.019	33	0.094	0.32	0.104	0.079	1.052	0.015	0.400	0.078	0.044	0.88	245	0.011	0.018	-0.767	0.460	1.362	0.682
250T125-27	0.028	33	0.141	0.48	0.157	0.119	1.053	0.022	0.398	0.129	0.079	1.56	685	0.038	0.027	-0.763	0.457	1.360	0.685
250T125-30	0.031	33	0.156	0.53	0.173	0.131	1.053	0.025	0.397	0.145	0.090	1.77	832	0.051	0.030	-0.762	0.456	1.359	0.686
250T125-33	0.035	33	0.173	0.59	0.192	0.145	1.054	0.027	0.397	0.166	0.103	2.03	1024	0.069	0.033	-0.760	0.456	1.358	0.687
250T125-43	0.045	33	0.225	0.77	0.250	0.188	1.055	0.035	0.395	0.231	0.147	2.91	1356	0.153	0.042	-0.755	0.453	1.356	0.690
250T125-54	0.057	33	0.282	0.96	0.318	0.236	1.062	0.043	0.392	0.310	0.203	4.01	1692	0.301	0.054	-0.749	0.449	1.357	0.696
250T125-54	0.057	50	0.282	0.96	0.318	0.236	1.062	0.043	0.392	0.297	0.188	5.64	2563	0.301	0.054	-0.749	0.449	1.357	0.696
250T125-68	0.071	33	0.355	1.21	0.409	0.297	1.072	0.054	0.389	0.409	0.281	5.56	2112	0.602	0.069	-0.740	0.444	1.360	0.704
250T125-68	0.071	50	0.355	1.21	0.409	0.297	1.072	0.054	0.389	0.403	0.262	7.85	3199	0.602	0.069	-0.740	0.444	1.360	0.704
250T200-33	0.035	33	0.225	0.76	0.280	0.212	1.117	0.097	0.658	0.203	0.112	2.22	1024	0.090	0.118	-1.418	0.813	1.922	0.455
250T200-43	0.045	33	0.293	1.00	0.366	0.275	1.119	0.126	0.656	0.288	0.163	3.21	1356	0.198	0.153	-1.413	0.810	1.918	0.457
250T200-54	0.057	33	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.396	0.228	4.51	1692	0.392	0.195	-1.405	0.806	1.917	0.462
250T200-54	0.057	50	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.372	0.209	6.25	2563	0.392	0.195	-1.405	0.806	1.917	0.462
250T200-68	0.071	33	0.462	1.57	0.600	0.437	1.139	0.196	0.652	0.548	0.324	6.41	2112	0.783	0.251	-1.396	0.800	1.916	0.469
250T200-68	0.071	50	0.462	1.57	0.600	0.437	1.139	0.196	0.652	0.517	0.296	8.87	3199	0.783	0.251	-1.396	0.800	1.916	0.469
362T125-18	0.019	33	0.115	0.39	0.238	0.127	1.437	0.017	0.380	0.189	0.064	1.26	167	0.014	0.042	-0.665	0.413	1.628	0.833
362T125-27	0.028	33	0.173	0.59	0.358	0.191	1.438	0.025	0.378	0.301	0.135	2.66	569	0.046	0.062	-0.661	0.411	1.627	0.835
362T125-30	0.031	33	0.191	0.65	0.395	0.210	1.438	0.027	0.378	0.339	0.152	3.01	762	0.062	0.068	-0.659	0.410	1.627	0.836
362T125-33	0.035	33	0.212	0.72	0.438	0.232	1.439	0.030	0.377	0.385	0.174	3.44	1024	0.085	0.076	-0.658	0.410	1.626	0.836
362T125-43	0.045	33	0.276	0.94	0.571	0.302	1.439	0.039	0.375	0.531	0.245	4.84	1739	0.187	0.098	-0.654	0.407	1.625	0.838
362T125-54	0.057	33	0.346	1.18	0.723	0.378	1.445	0.048	0.373	0.705	0.332	6.57	2480	0.369	0.123	-0.648	0.404	1.627	0.841
362T125-54	0.057	50	0.346	1.18	0.723	0.378	1.445	0.048	0.373	0.678	0.312	9.34	3372	0.369	0.123	-0.648	0.404	1.627	0.841
362T125-68	0.071	33	0.436	1.48	0.921	0.475	1.454	0.060	0.370	0.921	0.453	8.96	3104	0.738	0.156	-0.641	0.399	1.631	0.846
362T125-68	0.071	50	0.436	1.48	0.921	0.475	1.454	0.060	0.370	0.908	0.427	12.78	4703	0.738	0.156	-0.641	0.399	1.631	0.846
362T125-97	0.102	33	0.621	2.11	1.344	0.675	1.471	0.082	0.364	1.343	0.675	15.25	4339	2.140	0.226	-0.626	0.390	1.640	0.854
362T125-97	0.102	50	0.621	2.11	1.344	0.675	1.471	0.082	0.364	1.343	0.675	22.70	6574	2.140	0.226	-0.626	0.390	1.640	0.854
362T200-33	0.035	33	0.264	0.90	0.619	0.329	1.533	0.110	0.645	0.464	0.190	3.76	1024	0.105	0.269	-1.270	0.754	2.092	0.631
362T200-43	0.045	33	0.343	1.17	0.808	0.427	1.534	0.142	0.643	0.650	0.270	5.34	1739	0.233	0.350	-1.265	0.752	2.090	0.633
362T200-54	0.057	33	0.431	1.47	1.024	0.536	1.542	0.177	0.640	0.879	0.372	7.36	2480	0.460	0.442	-1.259	0.748	2.091	0.638
362T200-54	0.057	50	0.431	1.47	1.024	0.536	1.542	0.177	0.640	0.832	0.345	10.34	3372	0.460	0.442	-1.259	0.748	2.091	0.638
362T200-68	0.071	33	0.543	1.85	1.308	0.675	1.552	0.221	0.638	1.199	0.519	10.26	3104	0.919	0.564	-1.250	0.743	2.093	0.643
362T200-68	0.071	50	0.543	1.85	1.308	0.675	1.552	0.221	0.638	1.138	0.480	14.38	4703	0.919	0.564	-1.250	0.743	2.093	0.643
362T200-97	0.102	33	0.773	2.63	1.917	0.963	1.575	0.308	0.632	1.916	0.868	17.14	4339	2.666	0.825	-1.232	0.732	2.097	0.655
362T200-97	0.102	50	0.773	2.63	1.917	0.963	1.575	0.308	0.632	1.840	0.804	24.06	6574	2.666	0.825	-1.232	0.732	2.097	0.655
400T125-18 ¹	0.019	33	0.122	0.42	0.298	0.145	1.562	0.017	0.374	0.241	0.070	1.39	151	0.014	0.052	-0.637	0.400	1.727	0.864
400T125-27	0.028	33	0.184	0.63	0.449	0.217	1.562	0.025	0.372	0.380	0.156	3.08	515	0.049	0.078	-0.633	0.398	1.726	0.866
400T125-30	0.031	33	0.203	0.69	0.495	0.239	1.563	0.028	0.371	0.427	0.176	3.49	689	0.066	0.085	-0.632	0.397	1.726	0.866
400T125-33	0.035	33	0.225	0.76	0.549	0.265	1.563	0.031	0.371	0.484	0.201	3.97	940	0.090	0.095	-0.630	0.396	1.725	0.867
400T125-43	0.045	33	0.293	1.00	0.716	0.344	1.564	0.040	0.369	0.666	0.282	5.57	1739	0.198	0.122	-0.626	0.394	1.724	0.868
400T125-54	0.057	33	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.883	0.381	7.53	2739	0.392	0.154	-0.621	0.390	1.727	0.871
400T125-54	0.057	50	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.850	0.359	10.74	3372	0.392	0.154	-0.621	0.390	1.727	0.871
400T125-68	0.071	33	0.462	1.57	1.151	0.541	1.577	0.061	0.364	1.134	0.488	14.62	5205	0.783	0.194	-0.614	0.386	1.731	0.874
400T125-97	0.102	33	0.659	2.24	1.674	0.768	1.594	0.084	0.358	1.673	0.768	17.36	4842	2.271	0.280	-0.600	0.377	1.740	0.881
400T125-97	0.102	50	0.659	2.24	1.674	0.768	1.594	0.084	0.358	1.673	0.768	25.84	7337	2.271	0.280	-0.600	0.377	1.740	0.881
400T200-33	0.035	33	0.277	0.94	0.768	0.371	1.666	0.113	0.639	0.581	0.220	4.34	940	0.110	0.336	-1.229	0.737	2.167	0.678
400T200-43	0.045	33	0.360	1.23	1.002	0.482	1.668	0.146	0.637	0.811	0.311	6.14	1739	0.244	0.				

Section Properties

(T) Track Section Properties

Member	Design Thickness (in)	F _y (ksi)	Area (in ²)	Weight (lb/ft)	Gross Properties					Effective Properties					Torsional Properties				
					I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _x (in ² ·k)	V _a (lb)	Jx1000 (in ⁴)	C _w (in ³)	X _o (in)	m	R _o	β
600T125-27 ¹	0.028	33	0.241	0.82	1.169	0.381	2.204	0.028	0.340	0.958	0.211	4.16	341	0.064	0.196	-0.519	0.339	2.290	0.949
600T125-30	0.031	33	0.265	0.90	1.288	0.420	2.204	0.031	0.340	1.095	0.249	4.92	456	0.086	0.215	-0.518	0.338	2.290	0.949
600T125-33	0.035	33	0.294	1.00	1.429	0.465	2.205	0.034	0.339	1.258	0.297	5.87	622	0.117	0.238	-0.516	0.337	2.289	0.949
600T125-43	0.045	33	0.383	1.30	1.862	0.604	2.205	0.044	0.337	1.768	0.461	9.11	1377	0.260	0.307	-0.513	0.335	2.289	0.950
600T125-54	0.057	33	0.480	1.63	2.345	0.757	2.209	0.054	0.335	2.299	0.666	13.15	2728	0.513	0.384	-0.508	0.332	2.292	0.951
600T125-54	0.057	50	0.480	1.63	2.345	0.757	2.209	0.054	0.335	2.241	0.592	17.74	2728	0.513	0.384	-0.508	0.332	2.292	0.951
600T125-68	0.071	33	0.605	2.06	2.970	0.951	2.216	0.067	0.332	2.969	0.916	18.09	4347	1.025	0.483	-0.503	0.329	2.296	0.952
600T125-68	0.071	50	0.605	2.06	2.970	0.951	2.216	0.067	0.332	2.934	0.858	25.69	5350	1.025	0.483	-0.503	0.329	2.296	0.952
600T125-97	0.102	33	0.862	2.93	4.282	1.348	2.229	0.092	0.327	4.281	1.347	30.43	7359	2.973	0.685	-0.491	0.321	2.305	0.955
600T125-97	0.102	50	0.862	2.93	4.282	1.348	2.229	0.092	0.327	4.281	1.347	40.33	10885	2.973	0.685	-0.491	0.321	2.305	0.955
600T200-33	0.035	33	0.346	1.18	1.913	0.623	2.352	0.126	0.604	1.542	0.333	6.59	622	0.138	0.847	-1.048	0.655	2.645	0.843
600T200-43	0.045	33	0.451	1.53	2.494	0.810	2.353	0.163	0.602	2.076	0.565	11.16	1377	0.305	1.098	-1.044	0.652	2.644	0.844
600T200-54	0.057	33	0.565	1.92	3.146	1.015	2.359	0.203	0.600	2.760	0.759	15.00	2728	0.604	1.381	-1.038	0.649	2.646	0.846
600T200-54	0.057	50	0.565	1.92	3.146	1.015	2.359	0.203	0.600	2.641	0.717	21.48	2728	0.604	1.381	-1.038	0.649	2.646	0.846
600T200-68	0.071	33	0.712	2.42	3.991	1.277	2.368	0.254	0.597	3.696	1.034	20.42	4347	1.206	1.746	-1.031	0.644	2.651	0.849
600T200-68	0.071	50	0.712	2.42	3.991	1.277	2.368	0.254	0.597	3.540	0.973	29.12	5350	1.206	1.746	-1.031	0.644	2.651	0.849
600T200-97	0.102	33	1.015	3.45	5.774	1.817	2.385	0.355	0.591	5.759	1.667	32.95	7359	3.499	2.510	-1.016	0.635	2.659	0.854
600T200-97	0.102	50	1.015	3.45	5.774	1.817	2.385	0.355	0.591	5.559	1.568	46.95	10885	3.499	2.510	-1.016	0.635	2.659	0.854
800T125-33 ¹	0.035	33	0.363	1.24	2.897	0.711	2.824	0.036	0.313	2.442	0.407	8.03	465	0.145	0.456	-0.439	0.294	2.875	0.977
800T125-43	0.045	33	0.473	1.61	3.774	0.925	2.824	0.046	0.311	3.484	0.640	12.65	1030	0.321	0.589	-0.436	0.292	2.875	0.977
800T125-54	0.057	33	0.594	2.02	4.747	1.158	2.828	0.057	0.309	4.668	0.940	18.58	2039	0.634	0.735	-0.432	0.289	2.877	0.977
800T125-54	0.057	50	0.594	2.02	4.747	1.158	2.828	0.057	0.309	4.427	0.824	24.66	2039	0.634	0.735	-0.432	0.289	2.877	0.977
800T125-68	0.071	33	0.748	2.54	6.000	1.455	2.833	0.070	0.307	5.998	1.357	26.81	4087	1.267	0.920	-0.427	0.286	2.881	0.978
800T125-68	0.071	50	0.748	2.54	6.000	1.455	2.833	0.070	0.307	5.956	1.216	36.40	4087	1.267	0.920	-0.427	0.286	2.881	0.978
800T125-97	0.102	33	1.066	3.63	8.617	2.062	2.844	0.097	0.301	8.614	2.062	40.74	8843	3.674	1.296	-0.417	0.279	2.890	0.979
800T125-97	0.102	50	1.066	3.63	8.617	2.062	2.844	0.097	0.301	8.614	2.062	61.72	10885	3.674	1.296	-0.417	0.279	2.890	0.979
800T200-33 ¹	0.035	33	0.415	1.41	3.750	0.921	3.006	0.135	0.571	2.789	0.424	8.37	465	0.166	1.638	-0.917	0.589	3.194	0.918
800T200-43	0.045	33	0.541	1.84	4.888	1.198	3.006	0.175	0.569	4.044	0.676	13.35	1030	0.367	2.124	-0.913	0.587	3.193	0.918
800T200-54	0.057	33	0.679	2.31	6.154	1.501	3.012	0.218	0.567	5.506	1.009	19.93	2039	0.725	2.664	-0.908	0.584	3.196	0.919
800T200-54	0.057	50	0.679	2.31	6.154	1.501	3.012	0.218	0.567	5.151	0.872	26.09	2039	0.725	2.664	-0.908	0.584	3.196	0.919
800T200-68	0.071	33	0.854	2.91	7.789	1.888	3.019	0.272	0.564	7.306	1.490	29.45	4087	1.448	3.357	-0.902	0.580	3.201	0.921
800T200-68	0.071	50	0.854	2.91	7.789	1.888	3.019	0.272	0.564	7.053	1.310	39.22	4087	1.448	3.357	-0.902	0.580	3.201	0.921
800T200-97	0.102	33	1.218	4.14	11.215	2.684	3.034	0.379	0.558	11.177	2.491	49.22	8843	4.200	4.792	-0.889	0.571	3.211	0.923
800T200-97	0.102	50	1.218	4.14	11.215	2.684	3.034	0.379	0.558	10.834	2.347	70.28	10885	4.200	4.792	-0.889	0.571	3.211	0.923
1000T125-43 ¹	0.045	33	0.563	1.92	6.633	1.306	3.431	0.047	0.290	5.887	0.819	16.19	822	0.382	0.973	-0.379	0.259	3.465	0.988
1000T125-54	0.057	33	0.707	2.40	8.337	1.635	3.434	0.059	0.288	7.961	1.216	24.03	1628	0.755	1.212	-0.376	0.256	3.467	0.988
1000T125-54	0.057	50	0.707	2.40	8.337	1.635	3.434	0.059	0.288	7.480	1.055	31.59	1628	0.755	1.212	-0.376	0.256	3.467	0.988
1000T125-68	0.071	33	0.890	3.03	10.526	2.054	3.439	0.073	0.286	10.453	1.781	35.19	3261	1.508	1.515	-0.372	0.253	3.471	0.989
1000T125-68	0.071	50	0.890	3.03	10.526	2.054	3.439	0.073	0.286	10.156	1.575	47.15	3261	1.508	1.515	-0.372	0.253	3.471	0.989
1000T125-97	0.102	33	1.269	4.32	15.083	2.913	3.448	0.100	0.281	15.077	2.907	57.44	8843	4.375	2.123	-0.363	0.247	3.478	0.989
1000T125-97	0.102	50	1.269	4.32	15.083	2.913	3.448	0.100	0.281	15.077	2.753	82.42	9507	4.375	2.123	-0.363	0.247	3.478	0.989
1000T200-43 ¹	0.045	33	0.631	2.15	8.364	1.646	3.641	0.183	0.539	6.724	0.861	17.01	822	0.428	3.540	-0.813	0.534	3.769	0.953
1000T200-54	0.057	33	0.792	2.69	10.520	2.063	3.645	0.228	0.537	9.232	1.295	25.60	1628	0.845	4.434	-0.809	0.531	3.772	0.954
1000T200-54	0.057	50	0.792	2.69	10.520	2.063	3.645	0.228	0.537	8.563	1.111	33.26	1628	0.845	4.434	-0.809	0.531	3.772	0.954
1000T200-68	0.071	33	0.997	3.39	13.296	2.595	3.652	0.284	0.534	11.821	1.684	50.42	3261	1.690	5.576	-0.803	0.527	3.777	0.955
1000T200-68	0.071	50	0.997	3.39	13.296	2.595	3.652	0.284	0.534	11.821	1.684	50.42	3261	1.690	5.576	-0.803	0.527	3.777	0.955
1000T200-97	0.102	33	1.422	4.84	19.093	3.687	3.665	0.397	0.528	19.032	3.427	67.72	8843	4.901	7.924	-0.791	0.519	3.786	0.956
1000T200-97	0.102	50	1.422	4.84	19.093	3.687	3.665	0.397	0.528	18.584	3.081	92.26	9507	4.901	7.924	-0.791	0.519	3.786	0.956
1200T125-54 ¹	0.057	33	0.820	2.79	13.341	2.187	4.034	0.060	0.271	12.297	1.492	29.47	1354	0.876	1.820	-0.333	0.230	4.056	0.993
1200T125-54 ¹	0.057	50	0.820	2.79	1														

Section Properties

Web Depth-to-Thickness Ratios for Stud and Joist Members ^{2, 3}										
Style	Web Depth (in)	18Mil 0.019	27Mil 0.028	30Mil 0.031	33Mil 0.035	43Mil 0.045	54Mil 0.057	68Mil 0.071	97Mil 0.102	118Mil 0.124
162S	1.625	75	50	45	41	31	24	18	11	8
250S	2.500	122	81	73	66	50	39	30	20	15
350S	3.500	175	116	105	95	72	57	44	29	23
362S	3.625	182	120	109	98	75	59	46	31	24
400S	4.000	202 ¹	134	121	109	84	66	51	34	27
550S	5.500	-	187	169	153	117	92	72	49	39
600S	6.000	-	204 ¹	185	167	128	101	79	54	43
800S	8.000	-	-	249 ¹	225 ¹	172	136	107	74	59
1000S	10.000	-	-	-	-	217 ¹	172	135	93	76
1200S	12.000	-	-	-	-	-	207	163	113	92
1400S	14.000	-	-	-	-	-	242 ¹	191	133	108
1600S	16.000	-	-	-	-	-	-	219 ¹	152	124

¹ h/t exceeds 200

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

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

Members with h/t between 200 and 260			
Member	h/t	Member	h/t
400S_18	202	1000_43	217
600S_27	204	1200S_54	207
800S_30	249	1400S_54	242
800S_33	225	1600S_68	219

Limiting Wall Height Tables - Non-Composite

Interior Non-Structural Non-Composite Table Notes

1. 5 psf, 7.5 psf, and 10 psf loads have NOT been reduced for strength or deflection checks. Full lateral load is applied.

2. Calculated properties are based on AISI S100-07 with S2-10 Supplement, North American Specification for Cold-Formed Steel Structural Members.

3. Limiting heights are based on continuous support of each flange over the full length of the stud.

4. Limiting heights are based on steel properties only (non-composite).

5. Web crippling checks are based on end-one flange loading condition using 1-inch end bearing.

Interior Non-Structural Non-Composite

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

Limiting Wall Height Tables - Non-Composite

Interior Non-Structural Non-Composite

Stud Member	Spacing, in, oc	Fy, ksi	5 psf		7.5 psf		10 psf	
			L/120	L/240	L/120	L/240	L/120	L/240
350S125-68	12	33	26' 10"	21' 4"	18' 8"	23' 6"	18' 8"	16' 3"
	16		24' 5"	19' 4"	16' 11"	21' 4"	16' 11"	14' 9"
	24		21' 4"	16' 11"	14' 9"	18' 8"	14' 9"	13' 5"
350S125-68	12	50	26' 10"	21' 4"	18' 8"	23' 6"	18' 8"	16' 3"
	16		24' 5"	19' 4"	16' 11"	21' 4"	16' 11"	15' 5"
	24		21' 4"	16' 11"	14' 9"	18' 8"	14' 9"	13' 5"
362S125-18	12	33	14' 1"	14' 1"	12' 4"	11' 6"	11' 6"	10' 9"
	16		12' 2"	12' 2"	11' 3"	9' 9"	9' 9"	7' 4"
	24		9' 9"	9' 9"	6' 6"	6' 6"	6' 6"	4' 10"
362S125-27	12	33	18' 11"	16' 5"	14' 5"	15' 5"	14' 5"	12' 7"
	16		16' 4"	14' 11"	13' 1"	13' 4"	13' 1"	11' 5"
	24		13' 4"	13' 1"	11' 5"	10' 11"	10' 0"	9' 5"
362S125-30	12	33	20' 3"	17' 0"	14' 10"	16' 7"	14' 10"	13' 0"
	16		17' 7"	15' 5"	13' 6"	14' 4"	13' 6"	12' 5"
	24		14' 4"	13' 6"	11' 10"	11' 9"	11' 9"	10' 4"
362S125-33	12	33	21' 11"	17' 7"	15' 4"	17' 11"	15' 4"	13' 5"
	16		19' 0"	16' 0"	13' 11"	15' 6"	13' 11"	12' 2"
	24		15' 6"	13' 11"	12' 2"	12' 8"	12' 2"	11' 1"
362S125-43	12	33	24' 2"	19' 2"	16' 9"	21' 1"	16' 9"	14' 7"
	16		21' 11"	17' 5"	15' 2"	18' 10"	15' 2"	13' 10"
	24		18' 10"	15' 2"	13' 3"	15' 4"	13' 3"	12' 1"
362S125-54	12	33	25' 11"	20' 7"	17' 11"	22' 7"	17' 11"	15' 8"
	16		23' 6"	18' 8"	16' 4"	20' 7"	16' 4"	14' 3"
	24		20' 7"	16' 4"	14' 3"	17' 4"	14' 3"	12' 11"
362S125-54	12	50	25' 10"	20' 6"	17' 11"	22' 7"	17' 11"	15' 8"
	16		23' 5"	18' 7"	16' 3"	20' 6"	16' 3"	14' 9"
	24		20' 6"	16' 3"	14' 2"	17' 11"	14' 2"	12' 11"
362S125-68	12	33	27' 7"	21' 11"	19' 2"	24' 2"	19' 2"	16' 9"
	16		25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 2"
	24		21' 11"	17' 5"	15' 2"	19' 2"	15' 2"	13' 10"
362S125-68	12	50	27' 7"	21' 11"	19' 2"	24' 2"	19' 2"	16' 9"
	16		25' 1"	19' 11"	17' 5"	21' 11"	17' 5"	15' 10"
	24		21' 11"	17' 5"	15' 2"	19' 2"	15' 3"	13' 10"
400S125-18	12	33	14' 9"	14' 9"	13' 4"	12' 1"	12' 1"	9' 6"
	16		12' 10"	12' 10"	12' 2"	9' 6"	9' 6"	7' 2"
	24		9' 6"	9' 6"	9' 6"	6' 4"	6' 4"	4' 9"
400S125-27	12	33	19' 11"	17' 9"	15' 6"	16' 3"	15' 6"	13' 7"
	16		17' 3"	16' 2"	14' 1"	14' 1"	12' 4"	12' 2"
	24		14' 1"	14' 1"	12' 4"	11' 6"	10' 9"	10' 0"
400S125-30	12	33	21' 5"	18' 5"	16' 1"	17' 6"	16' 1"	14' 0"
	16		18' 7"	16' 8"	14' 7"	15' 2"	14' 7"	13' 1"
	24		15' 2"	14' 7"	12' 9"	12' 4"	11' 2"	10' 1"
400S125-33	12	33	23' 2"	19' 0"	16' 7"	18' 11"	16' 7"	14' 6"
	16		20' 0"	17' 3"	15' 1"	16' 4"	15' 1"	13' 2"
	24		16' 4"	15' 1"	13' 2"	13' 4"	13' 2"	12' 0"
400S125-43	12	33	26' 1"	20' 8"	18' 1"	22' 9"	18' 1"	15' 10"
	16		23' 8"	18' 10"	16' 5"	19' 11"	16' 5"	14' 11"
	24		19' 11"	16' 5"	14' 4"	16' 3"	14' 4"	13' 0"
400S125-54	12	33	28' 0"	22' 3"	19' 5"	24' 5"	19' 5"	16' 11"
	16		25' 5"	20' 2"	17' 8"	22' 3"	17' 8"	15' 5"
	24		22' 3"	17' 8"	15' 5"	18' 5"	15' 5"	14' 0"
400S125-54	12	50	27' 11"	22' 2"	19' 4"	24' 4"	19' 4"	16' 11"
	16		25' 4"	20' 1"	17' 7"	22' 2"	17' 7"	15' 4"
	24		22' 2"	17' 7"	15' 4"	19' 4"	15' 4"	20' 1"
400S125-68	12	33	29' 11"	23' 9"	20' 9"	26' 1"	20' 9"	18' 1"
	16		27' 2"	21' 7"	18' 10"	23' 9"	18' 10"	16' 5"
	24		23' 9"	18' 10"	16' 5"	20' 9"	16' 5"	14' 11"
400S125-68	12	50	29' 11"	23' 9"	20' 9"	26' 1"	20' 9"	18' 1"
	16		27' 2"	21' 7"	18' 10"	23' 9"	18' 10"	17' 1"
	24		23' 9"	18' 10"	16' 5"	20' 9"	16' 5"	14' 11"
550S125-18	12	33	17' 6"	17' 6"	16' 9"	11' 10"	11' 10"	8' 10"
	16		13' 3"	13' 3"	13' 3"	8' 10"	8' 10"	6' 8"
	24		8' 10"	8' 10"	5' 11"	5' 11"	5' 11"	4' 5"
550S125-27	12	33	23' 10"	22' 9"	19' 10"	19' 6"	19' 6"	16' 11"
	16		20' 8"	20' 8"	18' 1"	16' 11"	15' 9"	14' 7"
	24		16' 11"	16' 11"	15' 9"	13' 9"	13' 9"	10' 4"
550S125-30	12	33	25' 8"	23' 7"	20' 7"	21' 0"	20' 7"	18' 2"
	16		22' 3"	21' 5"	18' 8"	18' 2"	18' 2"	15' 9"
	24		18' 2"	18' 2"	16' 4"	14' 10"	14' 3"	12' 7"
550S125-33	12	33	27' 9"	24' 5"	21' 4"	22' 8"	21' 4"	19' 8"
	16		24' 1"	22' 2"	19' 5"	19' 8"	19' 5"	17' 0"
	24		19' 8"	19' 5"	16' 11"	16' 1"	14' 10"	13' 5"

See Interior Non-Structural Non-Composite Table Notes

Limiting Wall Height Tables - Non-Composite

Interior Non-Structural Non-Composite

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			7.5 psf			10 psf		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
550S125-43	12	33	33' 8"	26' 9"	23' 4"	27' 8"	23' 4"	20' 5"	24' 0"	21' 3"	18' 6"
	16		29' 4"	24' 4"	21' 3"	24' 0"	21' 3"	18' 6"	20' 9"	19' 3"	16' 10"
	24		24' 0"	21' 3"	18' 6"	19' 7"	18' 6"	16' 2"	16' 11"	16' 10"	14' 9"
550S125-54	12	33	36' 2"	28' 9"	25' 1"	31' 7"	25' 1"	21' 11"	28' 3"	22' 9"	19' 11"
	16		32' 10"	26' 1"	22' 9"	28' 3"	22' 9"	19' 11"	24' 5"	20' 8"	18' 1"
	24		28' 3"	22' 9"	19' 11"	23' 0"	19' 11"	17' 5"	19' 11"	18' 1"	15' 10"
550S125-54	12	50	36' 1"	28' 8"	25' 0"	31' 6"	25' 0"	21' 10"	28' 8"	22' 9"	19' 10"
	16		32' 9"	26' 0"	22' 9"	28' 8"	22' 9"	19' 10"	26' 0"	20' 8"	18' 0"
	24		28' 8"	22' 9"	19' 10"	25' 0"	19' 10"	17' 4"	22' 9"	18' 0"	15' 9"
550S125-68	12	33	38' 8"	30' 9"	26' 10"	33' 10"	26' 10"	23' 5"	30' 9"	24' 5"	21' 4"
	16		35' 2"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 4"
	24		30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 7"	24' 5"	19' 4"	16' 11"
550S125-68	12	50	38' 8"	30' 9"	26' 10"	33' 10"	26' 10"	23' 5"	30' 9"	24' 5"	21' 4"
	16		35' 2"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 4"
	24		30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 7"	24' 5"	19' 4"	16' 11"
600S125-18	12	33	17' 4"	17' 4"	17' 4"	11' 6"	11' 6"	11' 6"	8' 8"	8' 8"	8' 8"
	16		13' 0"	13' 0"	13' 0"	8' 8"	8' 8"	8' 8"	6' 6"	6' 6"	6' 6"
	24		8' 8"	8' 8"	8' 8"	5' 9"	5' 9"	4' 4"	4' 4"	4' 4"	4' 4"
600S125-27	12	33	24' 11"	24' 4"	21' 3"	20' 4"	20' 4"	18' 7"	17' 7"	17' 7"	16' 10"
	16		21' 7"	21' 7"	19' 4"	17' 7"	17' 7"	16' 10"	15' 3"	15' 3"	15' 3"
	24		17' 7"	17' 7"	16' 10"	13' 7"	13' 7"	13' 7"	10' 2"	10' 2"	10' 2"
600S125-30	12	33	26' 10"	25' 2"	22' 0"	21' 11"	21' 11"	19' 3"	19' 0"	19' 0"	17' 6"
	16		23' 3"	22' 11"	20' 0"	19' 0"	19' 0"	17' 6"	16' 5"	16' 5"	15' 10"
	24		19' 0"	19' 0"	17' 6"	15' 6"	15' 6"	15' 3"	12' 5"	12' 5"	12' 5"
600S125-33	12	33	29' 0"	26' 2"	22' 10"	23' 9"	22' 10"	19' 11"	20' 6"	20' 6"	18' 1"
	16		25' 2"	23' 9"	20' 9"	20' 6"	20' 6"	18' 1"	17' 9"	17' 9"	16' 6"
	24		20' 6"	20' 6"	18' 1"	16' 9"	16' 9"	15' 10"	14' 6"	14' 6"	14' 5"
600S125-43	12	33	35' 6"	28' 9"	25' 1"	29' 0"	25' 1"	21' 11"	25' 2"	22' 10"	19' 11"
	16		30' 9"	26' 1"	22' 10"	25' 2"	22' 10"	19' 11"	21' 9"	20' 9"	18' 1"
	24		25' 2"	22' 10"	19' 11"	20' 6"	19' 11"	17' 5"	17' 9"	17' 9"	15' 10"
600S125-54	12	33	38' 10"	30' 10"	26' 11"	33' 11"	26' 11"	23' 6"	29' 8"	24' 6"	21' 5"
	16		35' 4"	28' 0"	24' 6"	29' 8"	24' 6"	21' 5"	25' 8"	22' 3"	19' 5"
	24		29' 8"	24' 6"	21' 5"	24' 3"	21' 5"	18' 8"	21' 0"	19' 5"	17' 0"
600S125-54	12	50	38' 9"	30' 9"	26' 10"	33' 10"	26' 10"	23' 6"	30' 9"	24' 5"	21' 4"
	16		35' 3"	27' 11"	24' 5"	30' 9"	24' 5"	21' 4"	27' 11"	22' 2"	19' 5"
	24		30' 9"	24' 5"	21' 4"	26' 10"	21' 4"	18' 8"	24' 1"	19' 5"	16' 11"
600S125-68	12	33	41' 7"	33' 0"	28' 10"	36' 4"	28' 10"	25' 2"	33' 0"	26' 2"	22' 11"
	16		37' 9"	30' 0"	26' 2"	33' 0"	26' 2"	22' 11"	30' 0"	23' 10"	20' 9"
	24		33' 0"	26' 2"	22' 11"	28' 10"	22' 11"	20' 0"	26' 2"	20' 9"	18' 2"
600S125-68	12	50	41' 7"	33' 0"	28' 10"	36' 4"	28' 10"	25' 2"	33' 0"	26' 2"	22' 11"
	16		37' 9"	30' 0"	26' 2"	33' 0"	26' 2"	22' 11"	30' 0"	23' 10"	20' 9"
	24		33' 0"	26' 2"	22' 11"	28' 10"	22' 11"	20' 0"	26' 2"	20' 9"	18' 2"
800S125-33	12	33	33' 1"	32' 8"	28' 6"	27' 0"	27' 0"	24' 11"	23' 5"	23' 5"	22' 8"
	16		28' 8"	28' 8"	25' 11"	23' 5"	23' 5"	22' 8"	20' 3"	20' 3"	20' 3"
	24		23' 5"	23' 5"	22' 8"	19' 1"	19' 1"	19' 1"	14' 5"	14' 5"	14' 5"

See Interior Non-Structural Non-Composite Table Notes

Limiting Wall Heights - Curtain Wall 1-span

Wall Height Table Notes

1. Lateral loads have not been modified for strength checks: full loads are applied.
 2. Calculated properties are based on AISI S100-07 with S2-10 Supplement, North American Specification for Cold-Formed Steel Structural Members.
 3. The 5 psf live load has not been reduced for deflection checks. For 15 psf or higher wind pressure, read the note below.
- IBC 2012/ASCE 7-10:** Due to the change in the model building codes, design wind pressures determined using IBC 2012/ASCE 7-10 are strength level loads (LRFD) in comparison to those determined in earlier IBC codes which were service level loads (ASD). The load/span tables that follow are based on service level (ASD) wind loads. Therefore, to properly use the load/span tables in this catalog, multiply the IBC 2012/ASCE 7-10 design wind pressures by 0.6 (Reference section 2.4 ASCE 7-10) prior to entering the load/span tables.

- Example:

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

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

3. 15 psf and higher wind pressures have been multiplied by 0.7 for deflection determination, in accordance with footnote f of IBC table 1604.3. The 5 psf live load has not been reduced for deflection checks.

4. Limiting heights are based on continuous support of each flange over the full length of the stud.

5. Limiting heights are based on steel properties alone (non-composite).

6. Web crippling checks are based on end-one flange loading condition using 1-inch end bearing.

7. End shear and web crippling capacity have not been reduced for punchouts. Punchouts are assumed to be atleast 10-inches from the end of members, in accordance with ASTM C955, section 4.6.

8. Where limiting heights are followed by "e", web stiffeners are required.

Limiting Wall Heights - Curtain Wall 1-span

Wall Height Table Notes

See Page 21 for detailed Table Notes for Curtain Wall 1-Span Limiting Wall Heights

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf					
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600			
250S162-33	12	33	18' 4"	14' 7"	12' 9"	11' 4"	9' 11"	8' 5"	10' 4"	9' 0"	7' 7"	9' 5"	8' 2"	6' 11"	8' 5"	7' 7"	6' 5"	7' 8"	7' 2"	6' 10"	5' 9"	6' 8" e	6' 6" e	5' 6"		
250S162-33	16	33	16' 8"	13' 3"	11' 7"	10' 4"	9' 0"	7' 7"	9' 5"	8' 2"	6' 11"	8' 5"	7' 7"	6' 5"	7' 8"	7' 2"	6' 10"	5' 9"	7' 2"	6' 10"	5' 9"	6' 8" e	6' 6" e	5' 6"		
250S162-33	24	33	14' 7"	11' 7"	10' 1"	8' 11"	7' 11"	6' 8"	7' 8"	6' 2"	6' 0"	6' 11"	6' 8"	5' 7"	6' 3" e	6' 3" e	5' 3"	5' 10" e	5' 10" e	5' 0" e	5' 5" e	5' 5" e	4' 10" e			
250S162-43	12	33	19' 11"	15' 10"	13' 10"	12' 4"	10' 10"	9' 1"	11' 3"	9' 10"	8' 3"	10' 5"	9' 1"	7' 8"	9' 10"	8' 7"	7' 3"	9' 4"	8' 2"	6' 10"	9' 11"	7' 9"	6' 7"			
250S162-43	16	33	18' 1"	14' 4"	12' 7"	11' 3"	9' 10"	8' 3"	10' 2"	8' 11"	7' 6"	9' 6"	8' 3"	7' 0"	8' 11"	7' 9"	6' 7"	8' 6" e	7' 5"	6' 3"	8' 1"	7' 1"	6' 0"			
250S162-43	24	33	15' 10"	12' 7"	11' 0"	9' 10"	8' 7"	7' 3"	8' 11"	7' 9"	6' 7"	8' 3"	7' 3"	6' 1"	7' 7"	6' 10"	5' 9"	7' 1"	6' 6" e	5' 5"	6' 7"	6' 2" e	5' 3"			
250S162-54	12	33	21' 4"	16' 11"	14' 9"	13' 3"	11' 7"	9' 9"	12' 0"	10' 6"	8' 10"	11' 2"	9' 9"	8' 3"	10' 6"	9' 2"	7' 9"	10' 0"	8' 8" e	7' 4"	9' 6"	8' 4"	7' 0"			
250S162-54	16	33	19' 4"	15' 5"	13' 5"	12' 0"	10' 6"	8' 10"	10' 11"	9' 6"	8' 0"	10' 2"	8' 10"	7' 6"	9' 6"	8' 4"	7' 0"	9' 1"	7' 11"	6' 8" e	8' 8" e	7' 7"	6' 5"			
250S162-54	24	33	16' 11"	13' 5"	11' 9"	10' 6"	9' 2"	7' 9"	9' 6"	8' 4"	7' 0"	8' 10"	7' 9"	6' 6"	8' 4" e	7' 3"	6' 2"	7' 11"	6' 11"	5' 10" e	7' 5"	6' 7"	5' 7"			
250S162-54	12	50	21' 4"	16' 11"	14' 9"	13' 3"	11' 7"	9' 9"	12' 0"	10' 6"	8' 10"	11' 2"	9' 9"	8' 3"	10' 6"	9' 2"	7' 9"	10' 0"	8' 8" e	7' 4"	9' 6"	8' 4"	7' 0"			
250S162-54	16	50	19' 4"	15' 5"	13' 5"	12' 0"	10' 6"	8' 10"	10' 11"	9' 6"	8' 0"	10' 2"	8' 10"	7' 6"	9' 6"	8' 4" e	7' 0"	9' 1"	7' 11"	6' 8" e	8' 8" e	7' 7"	6' 5"			
250S162-54	24	50	16' 11"	13' 5"	11' 9"	10' 6"	9' 2"	7' 9"	9' 6"	8' 4"	7' 0"	8' 10"	7' 9"	6' 6"	8' 4" e	7' 3"	6' 2"	7' 11"	6' 11"	5' 10" e	7' 5"	6' 7"	5' 7"			
250S162-68	12	33	22' 9"	18' 1"	15' 9"	14' 1"	12' 4"	10' 5"	12' 10"	11' 2"	9' 5"	11' 11"	10' 5"	8' 9"	11' 2"	9' 9"	8' 3"	10' 8"	9' 4"	7' 10"	10' 2" e	8' 11"	7' 6"			
250S162-68	16	33	20' 8"	16' 5"	14' 4"	12' 10"	11' 2"	9' 5"	11' 8"	10' 2"	8' 7"	10' 10"	9' 5"	8' 0"	10' 2"	8' 11"	7' 6"	9' 8" e	8' 5"	7' 1"	9' 3"	8' 1"	6' 10"			
250S162-68	24	33	18' 1"	14' 4"	12' 6"	11' 2"	9' 9"	8' 3"	10' 2"	8' 11"	7' 6"	9' 5"	8' 3"	7' 0"	8' 11"	7' 9"	6' 7"	8' 5" e	7' 5"	6' 3"	8' 1"	7' 1"	5' 11"			
250S162-68	12	50	22' 9"	18' 1"	15' 9"	14' 1"	12' 4"	10' 5"	12' 10"	11' 2"	9' 5"	11' 11"	10' 5"	8' 9"	11' 2"	9' 9"	8' 3"	10' 8"	9' 4"	7' 10"	10' 2" e	8' 11"	7' 6"			
250S162-68	16	50	20' 8"	16' 5"	14' 4"	12' 10"	11' 2"	9' 5"	11' 8"	10' 2"	8' 7"	10' 10"	9' 5"	8' 0"	10' 2"	8' 11"	7' 6"	9' 8" e	8' 5"	7' 1"	9' 3"	8' 1"	6' 10"			
250S162-68	24	50	18' 1"	14' 4"	12' 6"	11' 2"	9' 9"	8' 3"	10' 2"	8' 11"	7' 6"	9' 5"	8' 3"	7' 0"	8' 11"	7' 9"	6' 7"	8' 5" e	7' 5"	6' 3"	8' 1"	7' 1"	5' 11"			
350S162-33	12	33	23' 9"	18' 10"	16' 5"	14' 8"	12' 10"	10' 10"	13' 0"	11' 8"	9' 10"	11' 8"	10' 10"	9' 2"	10' 8"	10' 2"	8' 7"	9' 10" e	9' 8" e	8' 2"	9' 2" e	9' 0" e	7' 1" e			
350S162-33	16	33	21' 7"	17' 1"	14' 11"	13' 0"	11' 8"	9' 10"	11' 3"	10' 7"	8' 11"	10' 1" e	9' 10"	8' 4"	9' 2" e	9' 2" e	7' 10"	8' 6" e	8' 6" e	7' 5" e	8' 0" e	8' 0" e	7' 1" e			
350S162-33	24	33	18' 5"	14' 11"	13' 1"	10' 8"	10' 2"	8' 7"	9' 2" e	9' 2" e	7' 10"	8' 3" e	7' 3" e	6' 10" e	7' 6" e	7' 0" e	7' 0" e	6' 6" e	6' 6" e	6' 6" e	6' 2" e	6' 2" e				
350S162-43	12	33	25' 10"	20' 6"	17' 11"	16' 0"	14' 0"	11' 9"	14' 6"	12' 8"	10' 8"	13' 6"	11' 9"	9' 11"	12' 6"	11' 11"	9' 4"	11' 7"	10' 6"	8' 11"	10' 10"	10' 1" e	8' 6"			
350S162-43	16	33	23' 5"	18' 7"	16' 3"	14' 6"	12' 8"	10' 8"	13' 2"	11' 6"	9' 9"	11' 10"	10' 8"	9' 0"	10' 2"	10' 1" e	8' 6"	9' 7"	8' 1"	9' 5" e	9' 2" e	7' 9"				
350S162-43	24	33	20' 6"	16' 3"	14' 2"	12' 6"	11' 1"	9' 4"	10' 10"	10' 1"	8' 6"	12' 2"	10' 9"	8' 3"	10' 8"	10' 7"	8' 5" e	8' 2" e	7' 1"	8' 8" e	8' 6" e	6' 9"				
350S162-54	12	33	27' 8"	21' 11"	19' 2"	17' 2"	15' 0"	12' 7"	12' 10"	11' 2"	9' 5"	11' 11"	10' 5"	8' 9"	11' 2"	9' 9"	8' 3"	10' 8"	9' 4"	7' 10"	10' 2" e	8' 11"	7' 6"			
350S162-54	16	33	25' 1"	19' 11"	17' 5"	15' 7"	13' 7"	11' 6"	14' 2"	12' 4"	10' 5"	13' 1"	11' 6"	9' 8"	12' 2"	10' 9"	8' 1"	11' 3" e	10' 3"	8' 8" e	10' 6" e	9' 10" e	8' 3"			
350S162-54	24	33	20' 6"	16' 3"	14' 2"	12' 6"	11' 1"	9' 4"	10' 10"	10' 1"	8' 6"	12' 2"	10' 9"	8' 3"	10' 8"	10' 7"	8' 5" e	8' 2" e	7' 1"	8' 8" e	8' 6" e	6' 9"				
350S162-54	12	50	27' 10"	20' 6"	17' 11"	16' 0"	14' 0"	11' 9"	14' 6"	12' 8"	10' 8"	13' 7"	11' 6"	9' 11"	12' 6"	11' 11"	9' 4"	11' 7"	10' 6"	8' 11"	10' 10"	10' 1" e	8' 6"			
350S162-54	16	50	25' 1"	19' 11"	17' 5"	15' 7"	13' 7"	11' 6"	14' 2"	12' 4"	10' 5"	13' 1"	11' 6"	9' 8"	12' 2"	10' 9"	8' 1"	11' 3" e	10' 3"	8' 8" e	10' 6" e	9' 10" e	8' 3"			
350S162-54	24	50	21' 11"	17' 5"	15' 2"	13' 7"	11' 6"	10' 0"	12' 4"	10' 9"	8' 1"	11' 6"	10' 0"	8' 5"	10' 9"	9' 5"	7' 11"	8' 11"	7' 7"	9' 10"	8' 7"	7' 3"				
350S162-68	12	50	27' 8"	21' 11"	19' 2"	17' 2"	15' 0"	12' 7"	12' 10"	11' 2"	9' 5"	12' 7"	10' 8"	13' 7"	11' 10"	10' 0"	12' 11"	11' 3" e	9' 6"	12' 2"	10' 9" e	9' 1"				
350S162-68	16	50	25' 1"	19' 11"	17' 5"	15' 7"	13' 7"	11' 6"	14' 2"	12' 4"	10' 5"	13' 1"	11' 6"	9' 8"	12' 2"	10' 9"	8' 1"	11' 3" e	10' 3"	8' 8" e	10' 6" e	9' 10" e	8' 3"			
350S162-68	24	50	23' 6"	16' 3"	14' 2"	12' 6"	11' 1"	9' 4"	10' 10"	10' 1"	8' 6"	12' 2"	10' 9"	8' 3"	10' 8"	10' 7"	8' 5" e	8' 2" e	7' 1"	8' 8" e	8' 6" e	6' 9"				
350S162-97	12	33	32' 7"	25' 10"	22' 7"	20' 2"	17' 8"	14' 11"	14' 11"	12' 7"	15' 7"	13' 0"	11' 5"	14' 5"	12' 7"	10' 8"	13' 7"	11' 10"	10' 0"	12' 11"	11' 3" e	9' 6"				
350S162-97	16	33	29' 7"	23' 6"	20' 6"	18' 7"	16' 8"	14' 6"	12' 3"	15' 1"	13' 3"	11' 2"	14' 0"	12' 3"	10' 4"	13' 3"	11' 6"	12' 7"	11' 0"	9' 3"	12' 0"	10' 6" e	8' 10"			
350S162-97	24	33	29' 7"	23' 6"	20' 6"	18' 7"	16' 8"	14' 6"	12' 3"	15' 1"	13' 3"	11' 2"	14' 0"	12' 3"	10' 4"	13' 3"	11' 6"	12' 7"	11' 0"	9' 3"	12' 0"	10' 6" e	8' 10"			
350S162-97	12	50	32' 7"	25' 10"	22' 7"	20' 2"	17' 8"	14' 11"	14' 11"	12' 7"	15' 7"	13' 0"	11' 5"	14' 5"	12' 7"	10' 8"	13' 7"	11' 10"	10' 0"	12' 11"	11' 3" e	9' 6"				
350S162-97	16	50	29' 7"	23' 6"	20' 6"	18' 7"	16' 8"	14' 6"	12' 3"	15' 1"	13' 3"	11' 2"	14' 0"	12' 3"	10' 4"	13' 3"	11' 6"	12' 7"	11' 0"	9' 3"	12' 0"	10' 6" e	8' 10"			
350S162-97	24	50	25' 10"	20' 6"	17' 11"	16' 0"	14' 0"	11' 10"	14' 11"	12' 7"	15' 5"	13' 0"	11' 5"	14' 5"	12' 7"	10' 8"	13' 3"	11' 10"	10' 0"	12' 11"	11' 3" e	9' 6"				
350S162-97	12	50	34' 7"	27' 5"	24' 0"	21' 5"	18' 9"	15' 10"	19' 6"	17' 0"	14' 4"	12' 1"	10' 1"	15' 3"	13' 0"	10' 11"	14' 0"	12' 7"	10' 7"	13' 8"	11' 11"	10' 1" e	13' 1" e	11' 5" e	9' 7"	
350S162-97	16	50	31' 3"	24' 10"	21' 8"	19' 5"	16' 11"	14' 3"	17' 7"	15' 5"	13' 0"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"	14' 0"	12' 7"	10' 7"	11' 7"	10' 10"	10' 1" e	13' 1" e	11' 5" e	9' 7"
350S162-97	24	50	27' 5"	21' 9"	19' 0"	17' 0"	14' 4"	12' 1"	10' 7"	15' 5"	13' 0"	16' 0"	14' 0"	11' 9"	14' 10"	13' 0"	10' 11"	14' 0"	12' 7"	10' 7"	11' 7"	10' 10"	10' 1" e	13' 1" e	11' 5" e	

Limiting Wall Heights - Curtain Wall 1-span

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

Limiting Wall Heights - Curtain Wall 1-span

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	
400S200-33	12	33	27' 8"	21' 11"	19' 2"	17' 0"	15' 0"	12' 7"	14' 9"	13' 7"	11' 6"	13' 2" e	12' 7"	10' 8"	12' 0" e	11' 10" e	10' 10"	11' 1" e	11' 1" e	9' 6" e	10' 5" e	10' 5" e	9' 1" e	
400S200-33	16	33	25' 1"	19' 11"	17' 5"	14' 9"	13' 7"	11' 6"	12' 9" e	12' 4" e	10' 5"	11' 5" e	11' 5" e	9' 8" e	10' 5" e	10' 5" e	9' 1" e	9' 8" e	9' 8" e	8' 8" e	9' 0" e	9' 0" e	8' 3" e	
400S200-33	24	33	20' 10"	17' 5"	15' 2"	12' 0" e	11' 10" e	10' 0"	10' 5" e	10' 5" e	9' 1" e	9' 4" e	9' 4" e	8' 5" e	8' 6" e	8' 6" e	7' 11" e	7' 10" e	7' 10" e	7' 7" e	7' 4" e	7' 4" e	7' 3" e	
400S200-43	12	33	30' 2"	23' 11"	20' 11"	18' 8"	16' 4"	13' 9"	17' 0"	14' 10"	12' 6"	15' 9"	13' 9"	11' 7"	14' 6"	13' 0"	10' 11"	13' 5"	12' 4"	10' 5"	12' 7"	11' 9"	9' 11"	
400S200-43	16	33	27' 5"	21' 9"	19' 0"	17' 0"	14' 10"	12' 6"	15' 4"	13' 6"	11' 4"	13' 9"	12' 6"	10' 7"	12' 7"	11' 9"	9' 11"	11' 7"	11' 2"	9' 5"	10' 10" e	10' 8" e	9' 0" e	
400S200-43	24	33	23' 11"	19' 0"	16' 7"	14' 6"	13' 0"	10' 11"	12' 7"	11' 9"	9' 11"	11' 3" e	10' 11"	9' 3" e	10' 3" e	10' 3" e	8' 8" e	9' 6" e	8' 3" e	8' 11" e	8' 11" e	7' 11" e	7' 11" e	
400S200-54	12	33	32' 4"	25' 8"	22' 5"	20' 1"	17' 6"	14' 9"	18' 3"	15' 11"	13' 5"	16' 11" e	14' 9"	12' 6"	15' 11" e	13' 11"	11' 9"	15' 1" e	13' 3"	11' 2"	14' 4"	12' 8"	10' 8" e	
400S200-54	16	33	29' 5"	23' 4"	20' 5"	18' 3"	15' 11"	13' 5"	16' 7"	14' 6"	12' 2"	15' 4" e	13' 5"	11' 4" e	14' 6" e	12' 8"	10' 8" e	13' 3" e	12' 0" e	10' 1" e	12' 5"	11' 6" e	9' 8" e	
400S200-54	24	33	25' 8"	20' 5"	17' 10"	15' 11" e	13' 11"	11' 9"	14' 4" e	12' 8"	10' 8" e	12' 10" e	11' 9" e	9' 11" e	11' 8" e	11' 0" e	9' 4" e	10' 10" e	10' 6" e	8' 10" e	10' 2" e	10' 0" e	8' 5" e	
400S200-54	12	50	32' 4"	25' 8"	22' 5"	20' 1"	17' 6"	14' 9"	18' 3"	15' 11"	13' 5"	16' 11" e	14' 9"	12' 6"	15' 11" e	13' 11"	11' 9"	15' 1" e	13' 3"	11' 2"	14' 6"	12' 8"	10' 8" e	
400S200-54	16	50	29' 5"	23' 4"	20' 5"	18' 3"	15' 11"	13' 5"	16' 7"	14' 6"	12' 2"	15' 4" e	13' 5"	11' 4" e	14' 6" e	12' 8"	10' 8" e	13' 9" e	12' 0" e	10' 1" e	13' 2" e	11' 6" e	9' 8" e	
400S200-54	24	50	25' 8"	20' 5"	17' 10"	15' 11" e	13' 11"	11' 9"	14' 4" e	12' 8"	10' 8" e	12' 10" e	11' 9" e	9' 11" e	11' 8" e	11' 0" e	9' 4" e	10' 10" e	10' 6" e	8' 10" e	10' 2" e	10' 0" e	8' 5" e	
400S200-68	12	33	34' 8"	27' 6"	24' 0"	21' 6"	18' 9"	15' 10"	19' 6"	17' 1"	14' 5"	18' 1" e	15' 10"	13' 4"	17' 1" e	14' 11"	12' 7"	16' 2"	14' 2"	11' 11"	15' 6"	13' 6"	11' 5" e	
400S200-68	16	33	31' 6"	25' 0"	21' 10"	19' 6"	17' 1"	14' 5"	17' 9"	15' 6"	13' 1"	16' 6" e	14' 5" e	12' 2"	15' 6" e	13' 6"	11' 5" e	14' 9" e	12' 10" e	10' 10" e	14' 1" e	12' 4" e	10' 4" e	
400S200-68	24	33	27' 6"	21' 10"	19' 1"	17' 1" e	14' 11"	12' 7"	15' 6"	13' 6"	11' 5" e	16' 6" e	14' 5" e	12' 2"	15' 6" e	13' 6"	11' 5" e	12' 10" e	10' 10" e	14' 1" e	12' 4" e	10' 9" e	9' 1" e	
400S200-97	12	33	38' 5"	30' 6"	26' 7"	23' 9"	20' 9"	17' 6"	21' 7"	18' 11"	15' 11"	20' 1"	17' 6"	14' 9"	18' 11"	16' 6"	13' 11"	17' 11" e	15' 8"	13' 3"	17' 2"	15' 0" e	12' 8" e	
400S200-97	16	33	34' 10"	27' 8"	24' 2"	21' 7"	18' 11"	15' 11"	19' 8"	17' 2"	14' 6"	18' 3"	15' 11"	13' 5"	17' 2" e	15' 0" e	13' 11"	11' 0" e	14' 3" e	12' 5" e	10' 6" e	13' 4" e	11' 11" e	10' 0" e
400S200-97	24	33	30' 6"	24' 2"	21' 1"	18' 11"	16' 6"	13' 11"	17' 2" e	14' 2" e	10' 5" e	15' 11" e	13' 11"	11' 9" e	15' 0" e	13' 11"	11' 0" e	14' 3" e	12' 5" e	10' 6" e	13' 4" e	11' 11" e	10' 0" e	
400S200-97	12	50	38' 5"	30' 6"	26' 7"	23' 9"	20' 9"	17' 6"	21' 7"	18' 11"	15' 11"	20' 1"	17' 6"	14' 9"	18' 11"	16' 6"	13' 11"	17' 11" e	15' 8"	13' 3"	17' 2"	15' 0" e	12' 8" e	
400S200-97	16	50	34' 10"	27' 8"	24' 2"	21' 7"	18' 11"	15' 11"	19' 8"	17' 2"	14' 6"	18' 3"	15' 11"	13' 5"	17' 2" e	15' 0" e	13' 11"	11' 0" e	14' 3" e	12' 5" e	10' 6" e	13' 4" e	11' 11" e	10' 0" e
400S200-97	24	50	30' 6"	24' 2"	21' 1"	18' 11"	16' 6"	13' 11"	17' 2" e	14' 2" e	10' 5" e	15' 11" e	13' 11"	11' 9" e	15' 0" e	13' 11"	11' 0" e	14' 3" e	12' 5" e	10' 6" e	13' 4" e	11' 11" e	10' 0" e	
400S200-53	12	33	28' 9"	22' 10"	19' 11"	17' 10"	15' 7"	13' 1"	15' 5"	14' 2" e	11' 11"	13' 10" e	13' 1" e	11' 1" e	12' 7" e	12' 4" e	10' 5"	11' 8" e	11' 8" e	9' 11" e	10' 11" e	10' 11" e	9' 6" e	
400S200-53	16	33	26' 1"	20' 9"	18' 1"	15' 5"	14' 2" e	12' 1"	13' 4" e	12' 10" e	10' 10"	11' 11" e	11' 11" e	10' 1" e	10' 11" e	10' 11" e	9' 6" e	10' 1" e	10' 1" e	9' 0" e	9' 5" e	9' 5" e	8' 7" e	
400S200-53	24	33	21' 10"	18' 1"	15' 10"	12' 7" e	12' 4" e	10' 5"	10' 11" e	10' 11" e	9' 6" e	9' 9" e	9' 9" e	8' 9" e	8' 11" e	8' 3" e	7' 10" e	7' 9" e	7' 9" e	7' 6" e	7' 6" e	7' 6" e	7' 6" e	
400S200-43	12	33	31' 9"	25' 3"	22' 0"	19' 8"	17' 2"	14' 6"	17' 11" e	15' 8" e	13' 2"	16' 6" e	14' 6" e	12' 3"	15' 0" e	13' 8" e	11' 6" e	13' 11" e	13' 0" e	10' 11" e	13' 0" e	12' 5" e	10' 6" e	
400S200-43	16	33	28' 10"	22' 11"	20' 20"	17' 11" e	15' 8" e	13' 11" e	15' 4" e	12' 10" e	10' 10"	11' 11" e	11' 11" e	10' 1" e	10' 11" e	10' 11" e	9' 6" e	10' 1" e	10' 1" e	9' 0" e	9' 5" e	9' 5" e	8' 7" e	
400S200-43	24	33	21' 10"	18' 1"	15' 10"	12' 7" e	12' 4" e	10' 5"	10' 11" e	10' 11" e	9' 6" e	9' 9" e	9' 9" e	8' 9" e	8' 11" e	8' 3" e	7' 10" e	7' 9" e	7' 9" e	7' 6" e	7' 6" e	7' 6" e	7' 6" e	
400S200-54	12	33	31' 9"	25' 3"	22' 0"	19' 8"	17' 2"	14' 6"	17' 11" e	15' 8" e	13' 2"	16' 6" e	14' 6" e	12' 3"	15' 0" e	13' 8" e	11' 6" e	13' 11" e	13' 0" e	10' 11" e	13' 0" e	12' 5" e	10' 6" e	
400S200-54	16	33	28' 10"	22' 11"	20' 20"	17' 11" e	15' 8" e	13' 11" e	15' 4" e	12' 10" e	10' 10"	11' 11" e	11' 11" e	10' 1" e	10' 11" e	10' 11" e	9' 6" e	10' 1" e	10' 1" e	9' 0" e	9' 5" e	9' 5" e	8' 7" e	
400S200-54	24	33	25' 3"	20' 0"	17' 6"	15' 0" e	13' 8" e	12' 5" e	12' 11" e	10' 11" e	9' 6" e	9' 9" e	9' 9" e	8' 9" e	8' 11" e	8' 3" e	7' 10" e	7' 9" e	7' 9" e	7' 6" e	7' 6" e	7' 6" e	7' 6" e	
400S200-54	12	33	34' 1"	27' 1"	23' 8"	21' 2" e	18' 6"	15' 7"	19' 2" e	16' 9" e	14' 2" e	17' 10" e	15' 7" e	13' 2" e	16' 9" e	14' 8" e	12' 4" e	17' 1" e	15' 7" e	13' 2" e	14' 10" e	13' 4" e	11' 3" e	
400S200-54	16	33	33' 3"	26' 4"	23' 10"	20' 7"	18' 2" e	15' 5" e	17' 5" e	15' 11" e	13' 9" e	17' 4" e	15' 4" e	13' 2" e	16' 4" e	14' 3" e	12' 1" e	17' 3" e	15' 7" e	13' 2" e	14' 10" e	13' 4" e	11' 3" e	
400S200-54	24	33	30' 3"	24' 7"	21' 2" e	19' 11" e	16' 11" e	14' 8" e	17' 5" e	15' 11" e	13' 9" e	17' 4" e	15' 4" e	13' 2" e	16' 4" e	14' 3" e	12' 1" e	17' 3" e	15' 7" e	13' 2" e	14' 10" e	13' 4" e	11' 3" e	
400S200-54	12	50	36' 7"	29' 0"	25' 4"	22' 8" e	19' 10"	16' 8"	20' 7"	18' 0" e	15' 2" e	19' 1" e	16' 8" e	14' 2" e	17' 8" e	15' 9" e	13' 3" e	17' 1" e	14' 11" e	12' 7" e	16' 4" e	14' 3" e	12' 1" e	
400S200-54	16	50	33' 3"	26' 4"	23' 0"	20' 7"	18' 0" e	15' 2" e	17' 9" e	16' 4" e	13' 9" e	17' 4" e	15' 4" e	13' 2" e	16' 4" e	14' 3" e	12' 1" e	17' 3" e	15' 7" e	13' 2" e	14' 10" e	13' 4" e	11' 3" e	
400S200-54	24	50	29' 0"	23' 0"	20' 1"	18' 0" e	15' 9" e	13' 3" e	16' 4" e	14' 3" e	12' 1" e	15' 2" e	14' 2" e	12' 0" e	13' 3" e	11' 2" e	10' 6" e	13' 7" e	11' 10" e	10' 0" e	13' 0" e	11' 4" e	9' 7" e	
400S200-97	12	33	40' 7"	32' 2"	28' 1"	25' 2" e	21' 11" e	18' 6"	22' 10" e	19' 11" e	16' 10"	21' 2" e	18' 6" e	15' 7" e	19' 11" e	17' 5" e	14' 8" e	18' 11" e	16' 7" e	14' 0" e	18' 1" e	15' 10" e	13' 4" e	
400S200-97	16	33	36' 10"	29' 3"	25' 7"	22' 10" e	19' 11" e	16' 10"	20' 9"	18' 1" e	15' 3" e	19' 3" e	16' 10" e	14' 2" e	18' 1" e	15' 10" e	13' 4" e	17' 3" e	15' 0" e	12' 8" e	16' 6" e	14' 5" e	12' 2" e	
400S200-97	24																							

Limiting Wall Heights - Curtain Wall 1-span

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	
600S200-68	12	33	47' 7"	37' 9"	33' 0"	29' 6"	25' 9"	21' 9"	26' 9"	23' 5"	19' 9"	24' 10"	21' 9"	18' 4"	23' 5"	20' 5"	17' 3"	22' 3"	19' 5"	16' 4"	21' 3"	18' 7"	15' 8"	
600S200-68	16	33	43' 2"	34' 4"	29' 11"	26' 9"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	22' 7"	19' 9"	16' 8"	21' 3"	18' 7"	15' 8"	20' 2"	17' 8"	14' 11"	19' 4"	16' 10"	14' 3"
600S200-68	24	33	37' 9"	29' 11"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	18' 3"	16' 3"	13' 8"	16' 11"	15' 5"	13' 0"	15' 10"	14' 9"	12' 5"	
600S200-68	12	50	47' 7"	37' 9"	33' 0"	29' 6"	25' 9"	21' 9"	26' 9"	23' 5"	19' 9"	24' 10"	21' 9"	18' 4"	23' 5"	20' 5"	17' 3"	22' 3"	19' 5"	16' 4"	21' 3"	18' 7"	15' 8"	
600S200-68	16	50	43' 2"	34' 4"	29' 11"	26' 9"	23' 5"	19' 9"	24' 4"	21' 3"	17' 11"	22' 7"	19' 9"	16' 8"	21' 3"	18' 7"	15' 8"	20' 2"	17' 8"	14' 11"	19' 4"	16' 10"	14' 3"	
600S200-68	24	50	37' 9"	29' 11"	26' 2"	23' 5"	20' 5"	17' 3"	21' 3"	18' 7"	15' 8"	19' 9"	17' 3"	14' 6"	18' 7"	16' 3"	13' 8"	16' 11"	15' 5"	13' 0"	16' 10"	14' 9"	12' 5"	
600S200-97	12	33	52' 10"	41' 11"	36' 7"	32' 9"	28' 7"	24' 1"	29' 9"	26' 0"	21' 11"	27' 7"	24' 1"	20' 4"	26' 0"	22' 8"	19' 2"	24' 8"	21' 7"	18' 2"	23' 7"	20' 7"	17' 5"	
600S200-97	16	33	48' 0"	38' 1"	33' 3"	29' 9"	26' 0"	21' 11"	27' 0"	23' 7"	19' 11"	25' 1"	21' 11"	18' 6"	23' 7"	20' 7"	17' 5"	22' 5"	19' 7"	16' 6"	21' 5"	18' 9"	15' 10"	
600S200-97	24	33	41' 11"	33' 3"	29' 1"	26' 0"	22' 8"	19' 2"	23' 7"	20' 7"	17' 5"	21' 11"	19' 2"	16' 2"	20' 7"	18' 0"	15' 2"	19' 7"	17' 1"	14' 5"	18' 9"	16' 4"	13' 10"	
600S200-97	12	50	52' 10"	41' 11"	36' 7"	32' 9"	28' 7"	24' 1"	29' 9"	26' 0"	21' 11"	27' 7"	24' 1"	20' 4"	26' 0"	22' 8"	19' 2"	24' 8"	21' 7"	18' 2"	23' 7"	20' 7"	17' 5"	
600S200-97	16	50	48' 0"	38' 1"	33' 3"	29' 9"	26' 0"	21' 11"	27' 0"	23' 7"	19' 11"	25' 1"	21' 11"	18' 6"	23' 7"	20' 7"	17' 5"	22' 5"	19' 7"	16' 6"	21' 5"	18' 9"	15' 10"	
600S200-97	24	50	41' 11"	33' 3"	29' 1"	26' 0"	22' 8"	19' 2"	23' 7"	20' 7"	17' 5"	21' 11"	19' 2"	16' 2"	20' 7"	18' 0"	15' 2"	19' 7"	17' 1"	14' 5"	18' 9"	16' 4"	13' 10"	
600S250-43	12	33	43' 3"	34' 4"	30' 0"	26' 10"	23' 5"	19' 9"	23' 3"	21' 3"	17' 11"	20' 10"	e 19' 9"	16' 8"	19' 0"	18' 7"	15' 8"	17' 7"	e 14' 11"	e 16' 5"	16' 5"	16' 5"	14' 3"	
600S250-43	16	33	39' 3"	31' 2"	27' 3"	23' 3"	21' 3"	17' 11"	20' 2"	e 19' 4"	16' 4"	18' 0"	e 17' 11"	e 15' 2"	16' 5"	16' 5"	15' 3"	15' 3"	13' 6"	e 14' 3"	14' 3"	14' 3"	12' 11"	
600S250-43	24	33	32' 11"	27' 3"	23' 10"	19' 0"	18' 3"	15' 8"	16' 5"	16' 5"	14' 3"	14' 8"	e 14' 8"	13' 3"	13' 5"	12' 5"	12' 5"	11' 10"	e 11' 7"	11' 7"	11' 4"	11' 7"	11' 4"	
600S250-54	12	33	46' 5"	36' 10"	32' 2"	28' 9"	25' 2"	21' 2"	26' 2"	22' 10"	19' 3"	24' 2"	21' 2"	17' 11"	22' 1"	19' 11"	16' 10"	20' 5"	18' 11"	16' 0"	19' 1"	18' 2"	15' 4"	
600S250-54	16	33	42' 2"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 5"	20' 9"	17' 6"	20' 11"	19' 3"	16' 3"	19' 1"	18' 2"	15' 4"	17' 8"	17' 3"	14' 6"	16' 7"	16' 6"	13' 11"	
600S250-54	24	33	36' 10"	29' 3"	25' 7"	25' 7"	21' 8"	23' 6"	21' 5"	18' 1"	22' 3"	19' 6"	16' 5"	15' 7"	15' 7"	13' 4"	14' 5"	14' 5"	12' 8"	13' 6"	13' 6"	12' 2"		
600S250-54	12	50	46' 3"	36' 8"	32' 1"	28' 8"	25' 0"	21' 1"	26' 0"	22' 9"	19' 2"	24' 2"	21' 1"	17' 10"	22' 9"	19' 10"	16' 9"	21' 7"	18' 10"	15' 11"	20' 8"	18' 1"	15' 3"	
600S250-54	16	50	42' 0"	33' 4"	29' 1"	26' 0"	22' 9"	19' 2"	23' 8"	20' 8"	17' 5"	21' 11"	19' 2"	16' 2"	20' 8"	18' 1"	15' 3"	17' 10"	15' 9"	14' 6"	18' 9"	16' 5"	13' 10"	
600S250-54	24	50	36' 8"	29' 1"	25' 5"	22' 9"	19' 10"	16' 9"	20' 8"	18' 1"	15' 3"	19' 2"	16' 9"	14' 2"	17' 10"	15' 9"	13' 4"	16' 6"	15' 0"	12' 8"	15' 6"	14' 4"	12' 1"	
600S250-68	12	33	49' 10"	39' 7"	34' 7"	30' 11"	27' 0"	22' 9"	28' 1"	24' 6"	20' 8"	26' 1"	22' 9"	19' 2"	24' 6"	21' 5"	18' 1"	23' 4"	20' 4"	17' 2"	22' 3"	19' 6"	16' 5"	
600S250-68	16	33	45' 4"	35' 11"	31' 5"	28' 1"	24' 6"	20' 8"	25' 6"	22' 3"	18' 10"	25' 3"	23' 8"	20' 8"	21' 5"	22' 3"	19' 6"	16' 5"	21' 2"	18' 6"	15' 7"	19' 10"	17' 8"	14' 11"
600S250-68	24	33	39' 7"	31' 5"	27' 5"	24' 6"	21' 5"	18' 1"	22' 3"	19' 6"	16' 5"	20' 8"	18' 1"	15' 3"	19' 6"	17' 0"	14' 4"	17' 4"	21' 2"	18' 1"	15' 3"	16' 2"	15' 5"	13' 0"
600S250-68	12	50	49' 10"	39' 7"	34' 7"	30' 11"	27' 0"	22' 9"	28' 1"	24' 6"	20' 8"	26' 1"	22' 9"	19' 2"	24' 6"	21' 5"	18' 1"	23' 4"	20' 4"	17' 2"	22' 3"	19' 6"	16' 5"	
600S250-68	16	50	45' 3"	35' 11"	31' 5"	28' 1"	24' 6"	20' 8"	25' 6"	22' 3"	18' 10"	25' 3"	23' 8"	20' 8"	21' 5"	22' 3"	19' 6"	16' 5"	21' 2"	18' 6"	15' 7"	19' 10"	17' 8"	14' 11"
600S250-68	24	50	39' 7"	31' 5"	27' 5"	24' 6"	21' 5"	18' 1"	22' 3"	19' 6"	16' 5"	20' 8"	18' 1"	15' 3"	19' 6"	17' 0"	14' 4"	17' 4"	21' 2"	18' 1"	15' 3"	16' 2"	15' 5"	13' 0"
600S250-97	12	33	55' 6"	44' 0"	38' 5"	34' 4"	30' 0"	25' 4"	22' 5"	24' 9"	24' 2"	20' 4"	22' 1"	22' 1"	21' 8"	24' 5"	21' 4"	18' 1"	27' 3"	23' 10"	20' 1"	25' 11"	22' 8"	19' 1"
600S250-97	16	33	50' 4"	40' 0"	34' 11"	31' 3"	27' 3"	23' 10"	20' 1"	24' 9"	21' 8"	19' 3"	23' 0"	19' 5"	24' 9"	21' 8"	18' 3"	23' 6"	20' 7"	17' 4"	22' 6"	19' 8"	16' 7"	
600S250-97	24	33	44' 0"	34' 11"	30' 6"	27' 3"	23' 10"	20' 1"	24' 9"	21' 8"	19' 3"	23' 0"	19' 5"	24' 9"	21' 8"	18' 3"	23' 6"	20' 7"	17' 4"	21' 8"	18' 11"	15' 11"		
600S162-33	12	33	41' 0"	35' 5"	30' 11"	23' 8"	23' 8"	20' 4"	20' 6"	20' 6"	18' 6"	18' 4"	18' 4"	17' 2"	16' 9"	16' 9"	16' 2"	15' 6"	15' 6"	15' 4"	14' 6"	14' 6"	14' 6"	
600S162-33	16	33	35' 6"	32' 2"	28' 1"	20' 6"	20' 6"	18' 6"	17' 9"	17' 9"	16' 10"	15' 11"	15' 11"	15' 7"	15' 7"	15' 7"	15' 7"	14' 5"	14' 5"	14' 3"	13' 10"	13' 10"	13' 10"	
600S162-33	24	33	29' 0"	28' 1"	24' 7"	16' 9"	16' 9"	16' 2"	14' 6"	14' 6"	14' 6"	14' 6"	14' 6"	13' 0"	13' 0"	13' 0"	13' 0"	11' 10"	11' 10"	11' 10"	11' 0"	10' 3"	10' 3"	
600S162-43	12	33	49' 1"	38' 11"	34' 4"	28' 7"	26' 7"	22' 5"	24' 9"	24' 2"	20' 4"	22' 1"	22' 1"	21' 8"	21' 8"	20' 4"	20' 4"	17' 2"	17' 2"	17' 2"	17' 2"	17' 2"	17' 2"	
600S162-43	16	33	42' 10"	35' 4"	30' 11"	24' 9"	24' 9"	20' 4"	21' 5"	21' 5"	19' 11"	21' 11"	21' 11"	20' 4"	20' 4"	20' 4"	20' 4"	17' 6"	17' 6"	17' 6"	17' 6"	17' 6"	17' 6"	
600S162-43	24	33	35' 0"	30' 11"	27' 0"	20' 2"	20' 2"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	14' 3"	14' 3"	14' 3"	14' 3"	14' 3"	14' 3"	
600S162-54	12	33	53' 1"	42' 2"	36' 10"	32' 11"	28' 9"	24' 3"	20' 5"	28' 10"	26' 0"	23' 8"	22' 0"	22' 0"	20' 5"	20' 5"	20' 5"	20' 5"	17' 6"	17' 6"	17' 6"	17' 6"	17' 6"	17' 6"
600S162-54	16	33	48' 3"	38' 3"	33' 5"	28' 10"	26' 1"	22' 0"	22' 0"	25' 0"	25' 3"	23' 9"	23' 9"	23' 9"	23' 9"	23' 9"	23' 9"	23' 9"	17' 6"	17' 6"	17' 6"	17' 6"	17' 6"	17' 6"
600S162-54	24	33	40' 10"	33' 5"	29' 3"	23' 7"	22' 10"	19' 3"	20' 5"	20' 5"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	17' 9"	14' 5"	14' 5"	14' 5"	14' 5"	14' 5"	14' 5"
600S162-54	12	50	52' 9"	41' 10"	36' 7"	32' 8"	28' 7"	24' 1"	29' 9"	25' 11"	21' 11"	27' 7"	24' 1"	20' 4"	25' 11"	22' 8"	19' 1"	24' 8"	21' 6"	18' 2"	23' 5"	20' 7"	17' 4"	
600S162-54	16	50	47' 11"	38' 1"	33' 3"	29' 9"	25' 11"	21' 11"	27' 0"	23' 7"	19' 11"	25' 1"	21' 11"	18' 6"	23' 5"	20' 7"	17' 4"	21' 8"	19' 7"	16' 6"	20' 3"	18' 9"	15' 9"	
600S162-54	24	50	41' 10"	33' 3"	29' 0"	25' 11"	22' 8"	19' 11"	25' 11"	22' 8"</td														

Limiting Wall Heights - Curtain Wall 1-span

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

See Curtain Wall Limiting Heights Table Notes.

Limiting Wall Heights - Curtain Wall 2-span

Wall Height Table Notes

1. Listed span is the distance from either end to the center support, with the stud continuous past the center support. All calculations are based on AISI S100-07 with S2-10 Supplement.
2. Studs must be braced against rotation and lateral movement of all supports. Lateral loads have not been modified for strength checks: full loads are applied.
3. The 5 psf live load has not been reduced for deflection checks. For 15 psf or higher wind pressure, read the note below.

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

- Example:

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

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

4. Limiting heights are based on continuous support of each flange over the full length of the stud.
5. Limiting heights are based on steel properties alone (non-composite).
6. Web crippling checks are based on end-one flange loading condition using 1-inch end bearing.
7. End shear and web crippling capacity have not been reduced for punchouts. Punchouts are assumed to be atleast 10-inches from the end of members, in accordance with ASTM C955, section 4.6.
8. Mid-Span supports not checked for web crippling. Web stiffeners required at mid-span supports.
9. Shear capacity at mid-span support has been reduced for the presence of punchouts adjacent to the support. Mid-span combined bending and shear check based on stiffened web.
10. Where limiting heights are followed by "e", web stiffeners are required.

Limiting Wall Heights - Curtain Wall 2-span

Wall Height Table Notes

See Page 31 for detailed Table Notes for Curtain Wall 2-Span Limiting Wall Heights

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	
250S162-33	12	33	21' 9"	19' 6"	17' 1"	12' 7"	12' 7"	11' 3"	10' 11"	10' 11"	10' 2"	9' 9"	9' 9"	9' 6"	8' 11"	8' 11"	8' 11"	8' 3"	8' 3"	8' 3"	7' 8"	7' 8"	7' 8"	
250S162-33	16	33	18' 10"	17' 9"	15' 6"	10' 11"	10' 11"	10' 2"	9' 5"	9' 5"	9' 3"	8' 5"	8' 5"	8' 5"	7' 8"	7' 8"	7' 8"	7' 2"	7' 2"	7' 2"	6' 8" e	6' 8" e	6' 8" e	
250S162-33	24	33	15' 5"	15' 5"	13' 6"	8' 11"	8' 11"	7' 8"	7' 8"	7' 8"	6' 11"	6' 11"	6' 11"	6' 3" e	6' 3" e	6' 3" e	5' 10" e	5' 10" e	5' 10" e	5' 5" e	5' 5" e	5' 5" e		
250S162-43	12	33	26' 6"	21' 3"	18' 6"	15' 3"	14' 6"	12' 2"	13' 3"	13' 2"	11' 1"	11' 10"	11' 10"	10' 4"	10' 10"	10' 10"	9' 8"	10' 0"	10' 0"	9' 2"	9' 4"	9' 4"	8' 10"	
250S162-43	16	33	22' 11"	19' 3"	16' 10"	13' 3"	13' 2"	11' 1"	11' 6"	11' 6"	10' 1"	10' 3"	10' 3"	9' 4"	9' 4"	9' 4"	8' 10"	8' 8"	8' 8"	8' 4"	8' 1"	8' 1"	8' 0"	
250S162-43	24	33	18' 9"	16' 10"	14' 9"	10' 10"	10' 10"	9' 8"	9' 4"	9' 4"	8' 10"	8' 4"	8' 2"	7' 8"	7' 8"	7' 8"	7' 1"	7' 1"	7' 1"	6' 7"	6' 7"	6' 7"	6' 7"	
250S162-54	12	33	28' 7"	22' 8"	19' 10"	17' 1"	15' 6"	13' 1"	14' 10"	14' 1"	11' 10"	13' 3"	13' 1"	11' 0"	12' 1"	12' 1"	10' 4"	11' 2"	11' 2"	9' 10"	10' 6"	10' 6"	9' 5"	
250S162-54	16	33	25' 8"	20' 7"	18' 0"	14' 10"	14' 1"	11' 10"	12' 10"	12' 9"	10' 9"	11' 6"	11' 6"	10' 0"	10' 6"	9' 5"	9' 8"	9' 8"	8' 11"	9' 1"	9' 1"	8' 7"		
250S162-54	24	33	20' 11"	18' 0"	15' 9"	12' 1"	12' 1"	10' 4"	10' 6"	10' 6"	9' 5"	9' 4"	9' 4"	8' 9"	8' 7"	8' 7"	7' 11"	7' 11"	7' 10"	7' 5"	7' 5"	7' 5"		
250S162-54	12	50	28' 7"	22' 8"	19' 10"	17' 9"	15' 6"	13' 1"	16' 1"	14' 1"	11' 10"	14' 11"	13' 1"	11' 0"	14' 1"	12' 3"	10' 4"	13' 4"	11' 8"	9' 10"	12' 7"	11' 2"	9' 5"	
250S162-54	16	50	26' 0"	20' 7"	18' 0"	16' 1"	14' 1"	11' 10"	14' 8"	12' 9"	10' 9"	13' 7"	11' 10"	10' 0"	12' 7"	11' 2"	9' 5"	11' 8"	10' 7"	8' 11"	10' 11"	10' 2"	8' 7"	
250S162-54	24	50	22' 8"	18' 0"	15' 9"	14' 1"	12' 3"	10' 4"	12' 7"	11' 2"	9' 5"	11' 3"	10' 4"	8' 9"	9' 6"	9' 3"	7' 10"	8' 11"	8' 10"	7' 6"	8' 11"	8' 10"	7' 6"	
250S162-68	12	33	30' 6"	24' 3"	21' 2"	18' 11"	16' 6"	13' 11"	16' 7"	15' 0"	12' 8"	14' 10"	13' 11"	11' 9"	13' 6"	13' 1"	11' 1"	12' 5"	12' 5"	10' 6"	11' 5"	11' 5"	10' 1"	
250S162-68	16	33	27' 9"	22' 0"	19' 3"	16' 7"	15' 0"	12' 8"	14' 4"	13' 8"	11' 6"	12' 9"	10' 8"	11' 5"	11' 5"	10' 10"	10' 5"	9' 7"	9' 7"	9' 7"	9' 7"	9' 7"	9' 7"	
250S162-68	24	33	23' 5"	19' 3"	16' 10"	13' 6"	13' 1"	11' 11"	11' 5"	11' 5"	10' 1"	10' 0"	10' 0"	9' 4"	8' 11"	8' 11"	8' 11"	8' 1"	8' 1"	8' 1"	7' 5"	7' 5"	7' 5"	
250S162-68	12	50	30' 6"	24' 3"	21' 2"	18' 11"	16' 6"	13' 11"	17' 2"	15' 0"	12' 8"	16' 0"	13' 11"	11' 9"	15' 0"	13' 1"	11' 11"	14' 3"	12' 6"	10' 6"	13' 8"	11' 11"	10' 1"	
250S162-68	16	50	27' 9"	22' 0"	19' 3"	17' 2"	15' 0"	12' 8"	15' 7"	13' 8"	11' 6"	14' 6"	12' 8"	10' 8"	13' 8"	11' 11"	10' 1"	13' 0"	11' 4"	9' 7"	12' 3"	10' 10"	9' 2"	
250S162-68	24	50	24' 3"	19' 3"	16' 10"	15' 0"	13' 1"	13' 8"	11' 11"	10' 1"	12' 8"	11' 11"	11' 9"	11' 6"	10' 5"	9' 11"	8' 4"	10' 5"	9' 11"	8' 4"	9' 8"	9' 6"	8' 0"	
350S162-33	12	33	26' 3"	25' 3"	22' 1"	15' 2"	15' 2"	14' 6"	13' 1"	13' 1"	13' 1"	11' 9"	11' 9"	11' 9"	10' 9"	10' 9"	9' 11" e	9' 11" e	9' 11" e	9' 11" e	9' 3" e	9' 3" e	9' 3" e	
350S162-33	16	33	22' 9"	22' 9"	20' 0"	13' 1"	13' 1"	13' 1"	11' 4"	11' 4"	11' 4"	10' 2"	10' 2"	10' 2"	9' 3" e	9' 3" e	9' 3" e	8' 7"	8' 7"	8' 7"	8' 0" e	8' 0" e	8' 0" e	
350S162-33	24	33	18' 7"	18' 7"	17' 6"	10' 9"	10' 9"	9' 10"	9' 3" e	9' 3" e	9' 3" e	8' 4" e	8' 4" e	8' 4" e	7' 7" e	7' 7" e	7' 7" e	7' 0" e	7' 0" e	7' 0" e	6' 7" e	6' 7" e	6' 7" e	
350S162-43	12	33	30' 11"	27' 5"	24' 0"	17' 10"	17' 10"	15' 10"	15' 5"	15' 5"	14' 4"	13' 10"	13' 10"	13' 4"	12' 7"	12' 7"	12' 6"	11' 8"	11' 8"	11' 8"	10' 11"	10' 11"	10' 11"	
350S162-43	16	33	26' 9"	24' 11"	21' 9"	15' 5"	15' 5"	14' 4"	13' 5"	13' 5"	13' 0"	12' 0"	12' 0"	12' 0"	10' 11"	10' 11"	10' 11"	10' 1"	10' 1"	10' 1"	9' 6"	9' 6"	9' 6"	
350S162-43	24	33	21' 10"	21' 9"	19' 0"	12' 7"	12' 7"	12' 6"	10' 11"	10' 11"	10' 11"	9' 9"	9' 9"	9' 9"	8' 11"	8' 11"	8' 11"	8' 3" e	8' 3" e	8' 3" e	7' 9" e	7' 9" e	7' 9" e	
350S162-54	12	33	34' 7"	29' 5"	25' 8"	20' 0"	20' 0"	16' 11"	17' 3"	17' 3"	15' 4"	15' 6"	15' 6"	14' 3"	14' 1"	14' 1"	13' 5"	13' 1"	13' 1"	12' 9"	12' 3"	12' 2"		
350S162-54	16	33	29' 11"	26' 9"	23' 4"	17' 3"	17' 3"	15' 4"	15' 0"	15' 0"	13' 5"	13' 5"	13' 0"	12' 3"	12' 2"	12' 2"	11' 4"	11' 4"	11' 4"	10' 7"	10' 7"	10' 7"		
350S162-54	24	33	24' 5"	23' 4"	20' 5"	14' 1"	14' 1"	13' 5"	12' 3"	12' 3"	12' 2"	10' 11"	10' 11"	10' 11"	10' 0"	10' 0"	10' 0"	9' 3" e	9' 3" e	9' 3" e	8' 8"	8' 8"	8' 8"	
350S162-54	12	50	37' 1"	29' 5"	25' 8"	23' 0"	20' 1"	16' 11"	15' 5"	15' 5"	14' 4"	13' 10"	13' 10"	13' 4"	12' 7"	12' 7"	12' 6"	11' 8"	11' 8"	11' 8"	10' 11"	10' 11"	10' 11"	
350S162-54	16	50	33' 8"	26' 9"	23' 4"	20' 9"	19' 3"	15' 4"	15' 0"	15' 0"	14' 0"	13' 7"	13' 7"	13' 0"	12' 6"	12' 2"	12' 2"	11' 7"	13' 9" e	13' 9" e	13' 9" e	12' 9"	12' 9"	12' 9"
350S162-54	24	50	29' 5"	23' 4"	20' 5"	17' 0"	15' 11"	13' 5"	14' 8"	14' 8"	12' 2"	13' 2"	13' 2"	11' 4"	12' 0"	12' 0"	10' 8"	11' 1"	11' 1"	10' 2"	10' 5"	10' 5"	9' 8"	
350S162-68	12	33	39' 8"	31' 5"	27' 6"	24' 7"	21' 6"	18' 1"	22' 4"	19' 6"	16' 5"	20' 9"	18' 1"	15' 3"	19' 3"	17' 0"	14' 4"	17' 10"	16' 2"	13' 8"	16' 8"	15' 6"	13' 1"	
350S162-68	16	50	36' 0"	28' 7"	25' 0"	22' 4"	19' 6"	16' 5"	20' 3"	17' 9"	14' 11"	18' 3"	18' 3"	16' 5"	16' 8"	15' 6"	15' 5"	14' 5"	14' 8"	12' 5"	14' 5"	14' 5"	11' 10"	
350S162-68	24	50	31' 5"	25' 0"	21' 10"	19' 3"	17' 0"	14' 4"	16' 8"	16' 6"	13' 1"	14' 11"	14' 11"	14' 2"	13' 7"	13' 6"	11' 5"	12' 7"	12' 7"	10' 10"	11' 10"	11' 10"	10' 4"	
350S162-97	12	33	43' 9"	34' 8"	30' 4"	25' 11"	23' 8"	20' 0"	22' 6"	21' 6"	18' 2"	20' 9"	18' 7"	15' 4"	18' 7"	18' 4"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	14' 5"	
350S162-97	16	33	38' 11"	31' 6"	27' 6"	22' 6"	21' 6"	19' 6"	19' 6"	17' 5"	17' 5"	17' 5"	17' 5"	17' 5"	17' 5"	17' 5"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	14' 5"	
350S162-97	24	33	31' 9"	27' 6"	24' 1"	18' 4"	18' 4"	15' 10"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	
350S162-97	12	50	43' 9"	34' 8"	30' 4"	27' 2"	24' 3"	21' 2"	21' 10"	20' 8"	17' 5"	20' 9"	18' 10"	15' 11"	17' 10"	17' 10"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	15' 11"	14' 5"	
350S162-97	16	50	35' 7"	28' 3"	24' 8"	21' 10"	19' 3"	16' 3"	18' 11"	17' 6"	14' 9"	18' 10"	16' 10"	16' 11"	16' 10"	16' 10"	15' 3"	15' 2"	14' 6"	14' 6"	13' 11"	13' 11"	13' 11"	
350S162-97	24	50	33' 9"	29' 3"	25' 6"	20' 1"	19' 11"	16' 10"	16' 10"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"	15' 3"		
350S200-54	12	33	37' 8"	31' 1"	27' 2"	21' 9"	21' 2"	17' 11"	18' 10"	18' 10"	16' 3"	16' 10"	16' 10"	15' 1"	16' 10"	16' 10"	15' 1"	15' 1"	15' 1"	15' 1"	15' 1"	15' 1"	14' 11"	
350S200-54	16	33	32' 7"	28' 3"	24' 8"	21' 8"	18' 10"	16' 3"	16' 4"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"	14' 9"		
350S200-54	24	33	26' 8"	24' 8"	21' 7"	15' 5"	15' 5"	14' 2"	13' 4"	13' 4"	12' 11"	12' 11"	11' 11"	11' 11"	10' 10"	10' 10"</								

Limiting Wall Heights - Curtain Wall 2-span

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf					
			L/120	L/240	L/360	L/240	L/360	L/600																		
362S162-97	12	33	44' 11"	35' 8"	31' 2"	26' 7"	24' 4"	20' 6"	23' 0"	22' 1"	18' 8"	19' 11"	19' 11"	16' 11"	17' 10"	17' 10"	15' 9"	16' 3"	16' 3"	14' 10"	17' 5"	17' 5"	15' 6"	16' 3"	16' 3"	14' 10"
362S162-97	16	33	39' 10"	32' 5"	28' 4"	23' 0"	22' 1"	18' 8"	18' 11"	19' 11"	16' 11"	17' 10"	17' 10"	15' 9"	16' 3"	16' 3"	14' 10"	15' 1"	15' 1"	14' 1"	14' 1"	14' 1"	13' 5"	11' 0"	11' 0"	11' 0"
362S162-97	24	33	32' 7"	28' 4"	24' 9"	18' 10"	18' 10"	16' 3"	16' 3"	16' 3"	14' 10"	14' 7"	14' 7"	13' 9"	13' 3"	13' 3"	12' 11"	12' 0"	12' 0"	11' 0"	11' 0"	11' 0"	11' 0"	11' 0"	11' 0"	
362S162-97	12	50	44' 11"	35' 8"	31' 2"	27' 10"	24' 4"	20' 6"	25' 4"	22' 1"	18' 8"	23' 6"	20' 6"	17' 4"	22' 1"	19' 4"	16' 3"	21' 0"	18' 4"	15' 6"	21' 0"	18' 4"	15' 6"	20' 0"	17' 7"	14' 10"
362S162-97	16	50	40' 10"	32' 5"	28' 4"	25' 4"	22' 1"	18' 8"	23' 0"	20' 1"	16' 11"	21' 4"	18' 8"	15' 9"	20' 0"	17' 7"	14' 10"	18' 7"	16' 8"	14' 1"	17' 4"	15' 11"	13' 5"	11' 0"	11' 0"	11' 0"
362S162-97	24	50	35' 8"	28' 4"	24' 9"	22' 1"	19' 4"	16' 3"	20' 0"	17' 7"	14' 10"	17' 11"	16' 3"	13' 9"	16' 4"	15' 4"	12' 11"	15' 2"	14' 7"	12' 3"	14' 2"	13' 11"	11' 9"	11' 9"	11' 9"	11' 9"
362S200-33	12	33	28' 1"	27' 3"	23' 10"	16' 2"	16' 2"	15' 8"	14' 0"	14' 0"	14' 0"	12' 7"	12' 7"	12' 7"	11' 5"	11' 5"	11' 5"	10' 7"	10' 7"	10' 7"	10' 7"	10' 7"	10' 7"	9' 11"	9' 11"	9' 11"
362S200-33	16	33	24' 4"	24' 4"	21' 8"	14' 0"	14' 0"	14' 0"	12' 2"	12' 2"	12' 2"	10' 10"	10' 10"	10' 10"	9' 11"	9' 11"	9' 11"	9' 2"	9' 2"	9' 2"	8' 7"	8' 7"	8' 7"	8' 7"	8' 7"	8' 7"
362S200-33	24	33	19' 10"	19' 10"	18' 11"	11' 5"	11' 5"	11' 5"	9' 11"	9' 11"	9' 11"	8' 10"	8' 10"	8' 10"	8' 1"	8' 1"	8' 1"	7' 6"	7' 6"	7' 6"	7' 0"	7' 0"	7' 0"	7' 0"	7' 0"	7' 0"
362S200-43	12	33	33' 10"	29' 9"	26' 0"	19' 6"	19' 6"	17' 2"	16' 11"	16' 11"	15' 7"	15' 1"	15' 1"	14' 5"	13' 10"	13' 10"	13' 7"	12' 9"	12' 9"	12' 9"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"
362S200-43	16	33	29' 3"	27' 1"	23' 8"	16' 11"	16' 11"	15' 7"	14' 8"	14' 8"	14' 2"	13' 1"	13' 1"	13' 1"	11' 11"	11' 11"	11' 11"	11' 1"	11' 1"	11' 1"	10' 4"	10' 4"	10' 4"	10' 4"	10' 4"	10' 4"
362S200-43	24	33	23' 11"	23' 8"	20' 8"	13' 10"	13' 10"	13' 7"	11' 11"	11' 11"	10' 8"	10' 8"	10' 8"	9' 9"	9' 9"	9' 9"	9' 0"	9' 0"	9' 0"	8' 5"	8' 5"	8' 5"	8' 5"	8' 5"	8' 5"	
362S200-54	12	33	38' 6"	31' 11"	27' 11"	22' 3"	21' 9"	18' 4"	19' 3"	19' 3"	16' 8"	17' 3"	17' 3"	15' 6"	15' 9"	15' 9"	14' 7"	14' 7"	14' 7"	13' 10"	13' 7"	13' 7"	13' 3"	13' 3"	13' 3"	
362S200-54	16	33	33' 4"	29' 0"	25' 4"	19' 3"	19' 3"	16' 8"	16' 8"	15' 2"	14' 11"	14' 11"	14' 1"	13' 7"	13' 7"	13' 7"	12' 7"	12' 7"	12' 7"	11' 9"	11' 9"	11' 9"	11' 9"	11' 9"	11' 9"	
362S200-54	24	33	27' 3"	25' 4"	22' 2"	15' 9"	15' 9"	14' 7"	13' 7"	13' 3"	12' 2"	12' 2"	12' 2"	11' 1"	11' 1"	11' 1"	10' 3"	10' 3"	10' 3"	9' 7"	9' 7"	9' 7"	9' 7"	9' 7"	9' 7"	
362S200-54	12	50	40' 3"	31' 11"	27' 11"	24' 11"	21' 9"	18' 4"	22' 3"	19' 10"	16' 8"	19' 11"	18' 4"	15' 6"	18' 2"	17' 3"	14' 7"	16' 10"	16' 5"	13' 10"	15' 9"	15' 9"	13' 3"	13' 3"	13' 3"	
362S200-54	16	50	36' 7"	29' 0"	25' 4"	22' 3"	19' 10"	16' 8"	19' 4"	19' 4"	15' 2"	17' 3"	16' 8"	14' 1"	15' 9"	15' 9"	14' 7"	12' 7"	13' 8"	13' 8"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"	12' 0"
362S200-54	24	50	31' 6"	25' 4"	22' 2"	18' 2"	17' 3"	14' 7"	15' 9"	15' 3"	14' 1"	14' 1"	12' 4"	12' 10"	11' 7"	11' 11"	11' 11"	11' 0"	11' 2"	11' 2"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"	10' 6"
362S200-68	12	33	43' 1"	34' 2"	29' 11"	26' 3"	23' 4"	19' 8"	22' 9"	21' 2"	17' 11"	20' 4"	19' 8"	16' 7"	18' 7"	18' 6"	15' 7"	17' 2"	17' 2"	14' 10"	16' 1"	16' 1"	14' 2"	14' 2"	14' 2"	
362S200-68	16	33	39' 2"	31' 1"	27' 2"	22' 9"	21' 2"	17' 11"	19' 8"	19' 3"	16' 3"	17' 8"	17' 8"	15' 1"	16' 1"	14' 11"	14' 11"	13' 6"	13' 11"	13' 11"	12' 11"	12' 11"	12' 11"	12' 11"	12' 11"	12' 11"
362S200-68	24	33	32' 2"	27' 2"	23' 9"	18' 7"	18' 6"	15' 7"	16' 1"	16' 1"	14' 2"	14' 5"	14' 5"	13' 2"	13' 1"	13' 1"	12' 5"	12' 0"	12' 0"	11' 9"	11' 2"	11' 2"	11' 2"	11' 2"	11' 2"	
362S200-68	12	50	43' 1"	34' 2"	29' 11"	26' 9"	23' 4"	19' 8"	24' 3"	21' 2"	17' 11"	22' 6"	19' 8"	16' 7"	21' 2"	21' 2"	15' 7"	17' 8"	17' 8"	14' 10"	18' 5"	18' 5"	16' 10"	16' 10"	16' 10"	16' 10"
362S200-68	16	50	39' 2"	31' 1"	27' 2"	24' 3"	21' 2"	17' 11"	22' 1"	19' 3"	16' 3"	20' 2"	17' 11"	15' 1"	18' 5"	16' 10"	14' 2"	17' 0"	16' 0"	16' 0"	13' 6"	15' 11"	15' 3"	12' 11"	12' 11"	12' 11"
362S200-68	24	50	34' 2"	27' 2"	23' 9"	21' 2"	18' 6"	15' 7"	18' 5"	17' 2"	14' 11"	21' 2"	18' 6"	15' 7"	15' 0"	15' 0"	15' 0"	12' 5"	13' 11"	13' 0"	13' 0"	13' 0"	13' 0"	13' 0"	13' 0"	
362S200-97	12	33	47' 8"	37' 10"	33' 1"	29' 0"	25' 10"	21' 9"	25' 2"	23' 5"	19' 9"	22' 6"	21' 9"	18' 4"	20' 6"	20' 6"	17' 3"	19' 0"	19' 0"	16' 5"	17' 9"	17' 9"	15' 8"	15' 8"	15' 8"	15' 8"
362S200-97	16	33	43' 4"	34' 4"	30' 3"	25' 2"	23' 5"	19' 9"	21' 9"	16' 1"	14' 2"	14' 5"	14' 5"	13' 2"	13' 1"	13' 1"	12' 5"	12' 0"	12' 0"	11' 9"	11' 2"	11' 2"	11' 2"	11' 2"	11' 2"	
362S200-97	24	33	35' 7"	30' 3"	26' 3"	20' 6"	19' 7"	17' 9"	15' 8"	15' 5"	15' 5"	14' 7"	13' 9"	13' 9"	12' 5"	12' 5"	12' 5"	11' 3"	11' 3"	11' 3"	11' 3"	11' 3"	11' 3"	11' 3"	11' 3"	11' 3"
362S200-97	12	50	47' 8"	37' 10"	33' 1"	29' 6"	25' 10"	21' 9"	26' 10"	23' 5"	19' 9"	24' 11"	21' 9"	18' 4"	23' 5"	20' 6"	17' 3"	22' 3"	19' 5"	16' 5"	21' 4"	18' 7"	15' 8"	15' 8"	15' 8"	15' 8"
362S200-97	16	50	43' 4"	34' 4"	30' 3"	26' 10"	23' 5"	19' 9"	24' 5"	21' 4"	18' 0"	22' 8"	19' 9"	16' 8"	21' 4"	18' 7"	15' 8"	20' 3"	17' 8"	14' 11"	14' 11"	14' 11"	14' 11"	14' 11"	14' 11"	
362S200-97	24	50	37' 10"	30' 0"	26' 3"	23' 5"	20' 6"	17' 3"	21' 4"	18' 7"	15' 8"	19' 7"	17' 3"	14' 7"	17' 9"	16' 3"	13' 0"	11' 10"	11' 10"	11' 10"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"
362S250-33	12	33	29' 1"	28' 5"	24' 10"	16' 9"	16' 9"	16' 4"	14' 6"	14' 6"	14' 6"	12' 7"	12' 7"	12' 7"	11' 3"	11' 3"	11' 3"	10' 3"	10' 3"	10' 3"	9' 6"	9' 6"	9' 6"	8' 11"	8' 11"	8' 11"
362S250-33	16	33	25' 2"	25' 2"	22' 7"	14' 6"	14' 6"	14' 6"	12' 7"	12' 7"	12' 7"	10' 3"	10' 3"	10' 3"	9' 6"	9' 6"	9' 6"	8' 11"	8' 11"	8' 11"	8' 11"	8' 11"	8' 11"	8' 11"	8' 11"	8' 11"
362S250-33	24	33	20' 7"	20' 11"	20' 11"	12' 1"	12' 1"	12' 1"	10' 6"	10' 6"	10' 6"	9' 4"	9' 4"	9' 4"	8' 7"	8' 7"	8' 7"	7' 11"	7' 11"	7' 11"	7' 5"	7' 5"	7' 5"	7' 5"	7' 5"	7' 5"
400S162-33	12	33	28' 3"	28' 0"	24' 5"	16' 4"	16' 4"	14' 2"	14' 2"	14' 2"	12' 8"	12' 8"	12' 8"	11' 7"	11' 7"	11' 7"	10' 8"	10' 8"	10' 8"	10' 0"	10' 0"	10' 0"	10' 0"	10' 0"	10' 0"	
400S162-33	16	33	24' 6"	24' 6"	22' 2"	12' 1"	12' 1"	12' 1"	10' 11"	10' 11"	10' 11"	9' 10"	9' 10"	9' 10"	8' 11"	8' 11"	8' 11"	7' 11"	7' 11"	7' 11"	7' 5"	7' 5"	7' 5"	7' 5"	7' 5"	7' 5"
400S162-33	24	33	20' 0"	20' 0"	19' 5"	11' 7"	11' 7"	11' 7"	10' 0"	10' 0"	10' 0"	8' 11"	8' 11"	8' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"	7' 11"
400S162-43	12	33	33' 5"	30' 5"	26' 7"	19' 3"	19' 3"	17' 6"	15' 11"	15' 11"	14' 11"	14' 11"	14' 11"	14' 9"	13' 8"	13' 8"	12' 7"	12' 7"	12' 7"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"	11' 10"	
400S162-43	16	33	28' 11"	27' 8"	24' 2"	16' 8"	16' 8"	15' 11"	14' 6"	14' 6"	14' 5"	12' 11"	12' 11"	12' 11"	11' 10"	11' 10"	11' 10"	10' 11"	10' 11"	10' 11"	10					

Limiting Wall Heights - Curtain Wall 2-span

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			
			L/120	L/240	L/360	L/240	L/360	L/600																
400S200-54	12	33	40' 10"	34' 5"	30' 1"	23' 7"	23' 6"	19' 10"	20' 5"	20' 5"	18' 0"	18' 3"	18' 3"	16' 9"	16' 8"	16' 8"	15' 9"	15' 5"	15' 5"	14' 11"	14' 5"	14' 5"	14' 3"	
400S200-54	16	33	35' 4"	31' 3"	27' 4"	20' 5"	20' 5"	18' 0"	17' 8"	17' 8"	16' 4"	15' 10"	15' 10"	15' 2"	14' 5"	14' 5"	14' 3"	13' 4"	13' 4"	13' 4"	12' 6"	12' 6"	12' 6"	12' 6"
400S200-54	24	33	28' 10"	27' 4"	23' 11"	16' 8"	16' 8"	15' 9"	14' 5"	14' 5"	14' 3"	12' 11"	12' 11"	11' 9"	11' 9"	11' 9"	11' 9"	10' 11"	10' 11"	10' 11"	10' 11"	10' 2"	10' 2"	10' 2"
400S200-54	12	50	43' 5"	34' 5"	30' 1"	26' 11"	23' 6"	19' 10"	23' 7"	21' 4"	18' 0"	21' 1"	19' 10"	16' 9"	19' 3"	18' 8"	15' 9"	17' 10"	17' 9"	14' 11"	14' 5"	14' 5"	14' 3"	
400S200-54	16	50	39' 5"	31' 3"	27' 4"	23' 7"	21' 4"	18' 0"	20' 5"	19' 5"	16' 4"	18' 3"	18' 0"	15' 2"	16' 8"	16' 8"	14' 3"	15' 5"	15' 5"	15' 5"	13' 0"	13' 0"	13' 0"	13' 0"
400S200-54	24	50	33' 4"	27' 4"	23' 11"	19' 3"	18' 8"	15' 9"	22' 10"	20' 9"	16' 8"	14' 3"	14' 11"	14' 11"	13' 3"	13' 7"	12' 6"	12' 7"	12' 7"	11' 10"	11' 10"	11' 10"	11' 4"	
400S200-68	12	33	45' 8"	36' 11"	32' 3"	26' 4"	25' 2"	21' 3"	22' 10"	20' 9"	19' 3"	20' 5"	17' 11"	18' 8"	18' 8"	16' 10"	17' 3"	17' 3"	16' 0"	16' 2"	16' 2"	15' 4"		
400S200-68	16	33	39' 7"	33' 6"	29' 3"	22' 10"	20' 10"	19' 3"	19' 9"	19' 9"	17' 6"	17' 8"	17' 8"	16' 3"	16' 2"	15' 4"	14' 11"	14' 11"	14' 7"	14' 0"	14' 0"	13' 11"		
400S200-68	24	33	32' 4"	29' 3"	25' 7"	18' 8"	18' 8"	16' 10"	16' 2"	16' 2"	15' 4"	14' 5"	14' 3"	13' 2"	13' 2"	12' 3"	12' 3"	11' 5"	11' 5"	11' 5"	11' 5"	11' 5"	11' 5"	11' 5"
400S200-68	12	50	46' 6"	36' 11"	32' 3"	28' 10"	25' 2"	21' 3"	26' 2"	22' 10"	19' 3"	24' 4"	21' 3"	17' 11"	22' 6"	20' 0"	16' 10"	20' 10"	19' 0"	16' 0"	19' 6"	18' 2"	15' 4"	
400S200-68	16	50	42' 3"	33' 6"	29' 3"	26' 2"	22' 10"	19' 3"	23' 9"	20' 9"	17' 6"	21' 4"	19' 3"	16' 3"	19' 6"	18' 2"	15' 4"	18' 1"	17' 3"	14' 7"	16' 11"	16' 6"	13' 11"	
400S200-68	24	50	36' 11"	29' 3"	25' 7"	22' 6"	20' 0"	16' 10"	19' 6"	15' 11"	15' 10"	14' 3"	15' 11"	15' 10"	14' 3"	14' 9"	14' 9"	12' 8"	13' 10"	13' 10"	12' 2"	13' 10"	12' 2"	12' 2"
400S200-97	12	33	51' 6"	40' 10"	35' 8"	31' 0"	27' 10"	23' 6"	26' 10"	25' 4"	21' 4"	24' 0"	23' 6"	19' 10"	21' 11"	21' 11"	18' 8"	20' 4"	20' 4"	17' 9"	19' 0"	19' 0"	16' 11"	
400S200-97	16	33	46' 6"	37' 1"	32' 5"	26' 10"	25' 4"	21' 4"	23' 3"	23' 0"	19' 5"	20' 10"	20' 10"	18' 0"	19' 0"	19' 0"	16' 11"	17' 7"	17' 7"	16' 1"	16' 5"	16' 5"	15' 5"	
400S200-97	24	33	38' 0"	32' 5"	28' 4"	21' 11"	21' 11"	18' 8"	19' 0"	19' 0"	16' 11"	17' 0"	17' 0"	15' 9"	15' 6"	15' 6"	14' 10"	14' 4"	14' 4"	14' 1"	13' 5"	13' 5"	13' 5"	
400S200-97	12	50	51' 6"	40' 10"	35' 8"	31' 11"	27' 10"	23' 6"	29' 0"	25' 4"	21' 4"	26' 11"	23' 6"	19' 10"	25' 4"	22' 1"	18' 8"	24' 1"	21' 0"	17' 9"	23' 0"	20' 1"	16' 11"	
400S200-97	16	50	46' 9"	37' 1"	32' 5"	29' 2"	25' 4"	21' 4"	26' 4"	23' 0"	19' 5"	24' 5"	21' 4"	18' 0"	23' 0"	20' 1"	16' 11"	16' 11"	16' 11"	16' 11"	16' 11"	16' 11"	16' 11"	
400S200-97	24	50	40' 10"	32' 5"	28' 4"	22' 1"	20' 11"	18' 8"	23' 0"	20' 1"	16' 11"	20' 11"	18' 8"	15' 9"	19' 1"	17' 7"	14' 10"	17' 11"	17' 11"	16' 1"	20' 3"	18' 3"	15' 5"	
400S250-33	12	33	30' 8"	30' 7"	26' 9"	24' 3"	20' 10"	18' 6"	26' 10"	25' 4"	21' 4"	24' 0"	23' 6"	19' 10"	21' 11"	21' 11"	18' 8"	20' 4"	20' 4"	17' 9"	19' 0"	19' 0"	16' 11"	
400S250-33	16	33	26' 7"	26' 7"	24' 3"	15' 4"	15' 4"	15' 4"	13' 3"	13' 3"	13' 3"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	10' 10"	10' 10"	10' 10"	10' 10"	9' 5"	9' 5"	9' 5"
400S250-33	24	33	21' 8"	21' 8"	21' 2"	12' 6"	12' 6"	12' 6"	10' 10"	10' 10"	10' 10"	9' 8"	9' 8"	9' 8"	8' 8"	8' 8"	8' 8"	8' 2"	8' 2"	8' 2"	7' 8"	7' 8"	7' 8"	7' 8"
400S250-43	12	33	36' 8"	33' 10"	29' 7"	21' 2"	21' 2"	19' 6"	18' 4"	18' 4"	17' 8"	16' 5"	16' 5"	16' 5"	15' 0"	15' 0"	15' 0"	13' 10"	13' 10"	13' 10"	13' 0"	13' 0"	13' 0"	13' 0"
400S250-43	16	33	31' 9"	30' 9"	26' 10"	18' 4"	18' 4"	17' 8"	15' 11"	15' 11"	15' 11"	14' 2"	14' 2"	14' 2"	13' 0"	13' 0"	13' 0"	12' 0"	12' 0"	12' 0"	11' 3"	11' 3"	11' 3"	11' 3"
400S250-43	24	33	25' 11"	25' 11"	25' 11"	25' 15"	25' 15"	25' 15"	15' 0"	15' 0"	15' 0"	13' 0"	13' 0"	13' 0"	11' 7"	11' 7"	11' 7"	10' 7"	10' 7"	10' 7"	9' 2"	9' 2"	9' 2"	9' 2"
400S250-54	12	33	41' 10"	36' 4"	31' 8"	24' 2"	24' 2"	20' 11"	20' 11"	20' 11"	19' 0"	18' 8"	18' 8"	17' 7"	17' 1"	17' 1"	16' 7"	15' 10"	15' 10"	15' 9"	14' 9"	14' 9"	14' 9"	
400S250-54	16	33	36' 3"	33' 0"	28' 10"	20' 11"	20' 11"	19' 0"	18' 1"	18' 1"	17' 3"	16' 2"	16' 2"	16' 0"	14' 9"	14' 9"	14' 9"	13' 8"	13' 8"	13' 8"	12' 10"	12' 10"	12' 10"	12' 10"
400S250-54	24	33	29' 7"	28' 10"	25' 2"	17' 1"	17' 1"	16' 7"	14' 9"	14' 9"	14' 9"	13' 3"	13' 3"	13' 3"	12' 1"	12' 1"	12' 1"	11' 2"	11' 2"	11' 2"	10' 5"	10' 5"	10' 5"	10' 5"
400S250-54	12	50	45' 7"	36' 2"	31' 7"	27' 11"	24' 8"	20' 10"	24' 2"	22' 5"	18' 11"	21' 7"	20' 10"	17' 7"	19' 9"	19' 7"	16' 6"	18' 3"	18' 3"	15' 8"	17' 1"	17' 1"	15' 0"	
400S250-54	16	50	41' 5"	32' 10"	28' 8"	24' 2"	22' 5"	20' 11"	20' 11"	20' 11"	19' 0"	18' 9"	18' 9"	15' 11"	15' 0"	15' 0"	14' 10"	14' 10"	14' 10"	14' 10"	14' 10"	14' 10"	13' 8"	
400S250-54	24	50	34' 2"	28' 8"	25' 1"	19' 9"	19' 7"	16' 6"	17' 1"	17' 1"	15' 0"	15' 3"	15' 3"	13' 11"	13' 11"	13' 11"	12' 11"	12' 11"	12' 11"	12' 11"	12' 11"	12' 11"	11' 11"	
400S250-68	12	33	48' 7"	38' 11"	34' 0"	28' 1"	26' 7"	22' 5"	24' 4"	24' 1"	20' 4"	21' 9"	21' 9"	18' 11"	19' 10"	19' 10"	17' 9"	18' 5"	18' 5"	16' 11"	17' 2"	17' 2"	16' 2"	
400S250-68	16	33	42' 1"	35' 4"	30' 11"	24' 4"	24' 1"	20' 4"	21' 1"	21' 1"	18' 6"	18' 10"	18' 10"	17' 2"	17' 2"	16' 2"	15' 11"	15' 4"	14' 11"	14' 11"	14' 8"	14' 8"	14' 8"	
400S250-68	24	33	34' 5"	30' 11"	27' 0"	19' 10"	19' 10"	17' 9"	17' 2"	17' 2"	16' 2"	15' 5"	15' 5"	15' 0"	14' 0"	14' 0"	13' 0"	13' 0"	13' 0"	12' 0"	12' 0"	12' 0"	12' 0"	
400S250-68	12	50	49' 0"	38' 11"	34' 3"	27' 0"	27' 0"	27' 0"	27' 7"	27' 7"	17' 11"	18' 5"	18' 5"	17' 7"	17' 7"	16' 8"	16' 8"	15' 1"	15' 1"	15' 1"	12' 2"	12' 2"	12' 2"	
400S250-68	16	50	45' 7"	38' 11"	34' 3"	27' 0"	27' 0"	27' 0"	27' 7"	27' 7"	17' 11"	18' 5"	18' 5"	17' 7"	17' 7"	16' 8"	16' 8"	15' 1"	15' 1"	15' 1"	12' 2"	12' 2"	12' 2"	
400S250-68	24	50	38' 11"	30' 11"	27' 0"	22' 11"	21' 1"	17' 9"	19' 10"	19' 10"	16' 2"	17' 9"	17' 9"	15' 0"	16' 2"	16' 2"	15' 0"	15' 0"	15' 0"	12' 2"	12' 2"	12' 2"	12' 2"	
600S162-33	12	33	35' 10"	35' 10"	33' 7"	20' 8"	20' 8"	20' 8"	17' 11"	17' 11"	17' 11"	16' 0"	16' 0"	16' 0"	14' 7"	14' 7"	14' 7"	13' 6"	13' 6"	13' 6"	12' 8"	12' 8"	12' 8"	
600S162-33	16	33	31' 0"	31' 0"	30' 6"	17' 11"	17' 11"	17' 11"	15' 6"	15' 6"	15' 6"	13' 10"	13' 10"	13' 10"	12' 8"	12' 8"	12' 8"	11' 9"	11' 9"	11' 9"	11' 0"	11' 0"	11' 0"	
600S162-33	24	33	25' 4"	25' 4"	25' 4"	14' 7"	14' 7"	14' 7"	12' 8"	12' 8"	12' 8"	11' 4"	11' 4"	11' 4"	10' 4"	10' 4"	10' 4"	9' 7"	9' 7"	9' 7"	8' 11"	8' 11"	8' 11"	
600S162-43	12	33	44' 3"	41' 10"	36' 7"	25' 7"	25' 7"	24' 1"	22' 2"	22' 2"	21' 10"	19' 10"	19' 10"	18' 10"	18' 1"	18' 1"	16' 9"	16' 9"	16' 9"	15' 8"	15' 8"	15' 8"		
600S162-43	16	33	51' 9"	43' 9"	38' 2"	29' 11"	29' 10"	25' 2"	25' 10"	25' 10"	23' 6"	23' 2"	23' 2"	21' 9"	21' 1"	21' 1"	20' 6"	19' 7"	19' 7"	19' 6"	18' 3"	18' 3"	18' 3"	
600S162-43	24	33	31' 4"</																					

Limiting Wall Heights - Curtain Wall 2-span

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf			
			L/120	L/240	L/360	L/240	L/360	L/600																
600S200-97	12	50	70' 10"	56' 2"	49' 1"	43' 11"	38' 4"	32' 4"	39' 10"	34' 10"	29' 5"	37' 0"	32' 4"	27' 3"	34' 10"	30' 5"	25' 8"	33' 1"	28' 11"	24' 5"	31' 8"	27' 8"	23' 4"	
600S200-97	16	50	64' 4"	51' 1"	44' 7"	39' 10"	34' 10"	29' 5"	36' 3"	31' 8"	26' 8"	33' 8"	29' 5"	24' 9"	31' 8"	27' 8"	23' 4"	30' 1"	26' 3"	22' 2"	28' 5"	25' 1"	21' 2"	
600S200-97	24	50	56' 2"	44' 7"	39' 0"	34' 10"	30' 5"	25' 8"	31' 8"	27' 8"	23' 4"	29' 4"	25' 8"	21' 8"	26' 9"	24' 2"	20' 4"	24' 10"	22' 11"	19' 4"	23' 2"	21' 11"	18' 6"	
600S250-43	12	33	46' 10"	46' 0"	40' 2"	27' 1"	27' 1"	26' 6"	23' 5"	23' 5"	23' 5"	20' 11" e	20' 11" e	20' 11" e	19' 2" e	19' 2" e	19' 2" e	19' 2" e	19' 9" e	17' 9" e	17' 9" e	16' 7" e	16' 7" e	16' 7" e
600S250-43	16	33	40' 7"	40' 7"	36' 6"	23' 5"	23' 5"	23' 5"	20' 4" e	20' 4" e	20' 4" e	18' 2" e	18' 2" e	18' 2" e	16' 7" e	16' 7" e	16' 7" e	15' 4" e	15' 4" e	15' 4" e	14' 4" e	14' 4" e	14' 4" e	
600S250-43	24	33	33' 2"	33' 2"	31' 11"	19' 2" e	19' 2" e	19' 2" e	16' 7" e	16' 7" e	16' 7" e	14' 10" e	14' 10" e	14' 10" e	13' 6" e	13' 6" e	13' 6" e	12' 6" e	12' 6" e	12' 6" e	11' 9" e	11' 9" e	11' 9" e	
600S250-54	12	33	54' 6"	49' 5"	43' 2"	31' 5"	31' 5"	28' 5"	27' 3"	27' 3"	25' 10"	24' 4"	24' 4"	24' 0"	22' 3"	22' 3"	22' 3"	20' 7"	20' 7"	20' 7"	19' 3"	19' 3"	19' 3"	
600S250-54	16	33	47' 2"	44' 11"	39' 3"	27' 3"	23' 7"	25' 10"	23' 7"	23' 7"	23' 6"	21' 1"	21' 1"	21' 1"	19' 3"	19' 3"	19' 3"	17' 10" e	17' 10" e	17' 10" e	16' 8" e	16' 8" e	16' 8" e	
600S250-54	24	33	38' 6"	38' 6"	34' 3"	22' 3"	22' 3"	22' 3"	19' 3"	19' 3"	19' 3"	17' 3" e	17' 3" e	17' 3" e	15' 9" e	15' 9" e	15' 9" e	14' 7" e	14' 7" e	14' 7" e	13' 7" e	13' 7" e	13' 7" e	
600S250-54	12	50	62' 0"	49' 2"	43' 0"	36' 0"	33' 7"	28' 4"	31' 2"	30' 6"	25' 9"	27' 11"	27' 11"	23' 10"	25' 6"	25' 6"	22' 6"	23' 7"	23' 7"	21' 4"	22' 1"	22' 1"	20' 5"	
600S250-54	16	50	54' 0"	44' 8"	39' 1"	31' 2"	30' 6"	25' 9"	27' 0"	27' 0"	23' 4"	24' 2"	24' 2"	21' 8"	22' 1"	22' 1"	20' 5"	20' 5"	19' 5"	19' 1"	19' 1"	18' 7"		
600S250-54	24	50	44' 1"	39' 1"	34' 1"	25' 6"	25' 6"	22' 6"	22' 1"	22' 1"	20' 5"	19' 9"	19' 9"	18' 11" e	18' 0"	18' 0"	17' 10" e	16' 8" e	16' 8" e	15' 7" e	15' 7" e	15' 7" e		
600S250-68	12	33	65' 4"	53' 1"	46' 4"	37' 9"	36' 2"	30' 6"	32' 8"	32' 8"	27' 9"	29' 3"	29' 3"	25' 9"	26' 8"	26' 8"	24' 3"	24' 8"	23' 0"	23' 1"	23' 1"	22' 0"		
600S250-68	16	33	56' 7"	48' 3"	42' 1"	32' 8"	32' 8"	27' 9"	28' 3"	28' 3"	25' 2"	25' 4"	25' 4"	23' 1"	23' 1"	23' 1"	21' 5"	21' 5"	21' 5"	20' 0"	20' 0"	20' 0"		
600S250-68	24	33	46' 2"	42' 1"	36' 10"	26' 8"	26' 8"	24' 3"	23' 1"	23' 1"	22' 0"	20' 8"	20' 8"	18' 10" e	18' 10" e	18' 10" e	17' 6" e	17' 6" e	17' 6" e	16' 4" e	16' 4" e	16' 4" e		
600S250-68	12	50	66' 10"	53' 1"	46' 4"	41' 5"	36' 2"	30' 6"	36' 5"	32' 11"	27' 9"	32' 6"	30' 6"	29' 5"	29' 8"	28' 9"	24' 3"	24' 7"	23' 0"	25' 9"	25' 9"	22' 0"		
600S250-68	16	50	60' 9"	48' 2"	42' 1"	36' 5"	32' 11"	27' 9"	31' 6"	29' 11"	25' 2"	28' 2"	27' 9"	23' 5"	25' 9"	25' 9"	22' 0"	23' 10"	23' 10"	20' 11" e	22' 3"	22' 3"	20' 0"	
600S250-68	24	50	51' 5"	42' 1"	36' 10"	26' 7"	26' 7"	23' 9"	25' 0"	25' 9"	22' 0"	23' 0"	23' 0"	21' 0"	21' 0"	19' 3"	19' 5"	19' 5"	18' 3"	18' 2"	18' 2"	17' 6"		
600S250-97	12	33	74' 4"	59' 0"	51' 7"	46' 1"	40' 3"	33' 11"	40' 5"	36' 7"	30' 10"	36' 1"	33' 11"	28' 8"	33' 0"	31' 11"	26' 11"	30' 6"	30' 4"	25' 7"	28' 7"	28' 7"	24' 6"	
600S250-97	16	33	67' 6"	53' 7"	46' 10"	40' 5"	36' 7"	30' 10"	35' 0"	33' 3"	28' 0"	31' 3"	30' 10"	26' 0"	28' 7"	28' 7"	24' 6"	26' 5"	26' 5"	23' 3"	24' 9"	24' 9"	22' 3"	
600S250-97	24	33	57' 1"	46' 10"	40' 11"	33' 0"	31' 11"	26' 11"	28' 7"	28' 7"	24' 6"	25' 6"	25' 6"	22' 9"	23' 4"	23' 4"	21' 5"	21' 7"	21' 7"	20' 4"	20' 2"	20' 2"	19' 5"	
600S250-97	12	50	74' 4"	59' 0"	51' 7"	46' 1"	40' 3"	33' 11"	41' 10"	36' 7"	30' 10"	38' 10"	33' 11"	28' 8"	36' 7"	31' 11"	26' 11"	34' 9"	30' 4"	25' 7"	33' 3"	29' 0"	24' 6"	
600S250-97	16	50	67' 6"	53' 7"	46' 10"	41' 10"	36' 7"	30' 10"	38' 0"	33' 3"	28' 0"	35' 4"	30' 10"	26' 0"	33' 3"	29' 0"	24' 6"	31' 2"	27' 3"	23' 3"	29' 2"	26' 4"	22' 3"	
600S250-97	24	50	59' 0"	46' 10"	40' 11"	36' 7"	31' 11"	26' 11"	33' 3"	29' 0"	24' 6"	30' 1"	26' 11"	22' 9"	27' 6"	25' 4"	25' 5"	21' 4"	20' 4"	23' 9"	23' 0"	19' 5"	19' 5"	
600S162-33	12	33	41' 4"	41' 4"	41' 4"	23' 10" e	23' 10" e	23' 10" e	20' 8" e	20' 8" e	20' 8" e	18' 6" e	18' 6" e	18' 6" e	16' 10" e	16' 10" e	16' 10" e	15' 7" e	15' 7" e	15' 7" e	14' 7" e	14' 7" e	14' 7" e	
800S162-33	16	33	35' 10"	35' 10"	35' 10"	20' 8" e	20' 8" e	20' 8" e	17' 11" e	17' 11" e	17' 11" e	16' 0" e	16' 0" e	16' 0" e	14' 7" e	14' 7" e	14' 7" e	13' 5" e	13' 5" e	13' 5" e	12' 4" e	12' 4" e	12' 4" e	
800S162-33	24	33	29' 3" e	29' 3" e	29' 3" e	16' 10" e	16' 10" e	16' 10" e	14' 7" e	14' 7" e	14' 7" e	12' 10" e	12' 10" e	12' 10" e	11' 5" e	11' 5" e	11' 5" e	10' 4" e	10' 4" e	10' 4" e	9' 6" e	9' 6" e	9' 6" e	
800S162-43	12	33	49' 10"	49' 10"	45' 7"	28' 9"	28' 9"	28' 9"	24' 11" e	24' 11" e	24' 11" e	22' 3" e	22' 3" e	22' 3" e	20' 4" e	20' 4" e	20' 4" e	18' 10" e	18' 10" e	18' 10" e	17' 7" e	17' 7" e	17' 7" e	
800S162-43	16	33	43' 2"	43' 2"	41' 5"	24' 11" e	24' 11" e	24' 11" e	21' 7" e	21' 7" e	21' 7" e	19' 4" e	19' 4" e	19' 4" e	17' 7" e	17' 7" e	17' 7" e	16' 4" e	16' 4" e	16' 4" e	15' 3" e	15' 3" e	15' 3" e	
800S162-43	24	33	35' 3"	35' 3"	35' 3"	20' 4" e	20' 4" e	20' 4" e	17' 7" e	17' 7" e	17' 7" e	15' 9" e	15' 9" e	15' 9" e	14' 5" e	14' 5" e	14' 5" e	13' 4" e	13' 4" e	13' 4" e	12' 6" e	12' 6" e	12' 6" e	
800S162-54	12	33	58' 2"	56' 6"	49' 4"	33' 7"	33' 7"	32' 6"	29' 1"	29' 1"	29' 1"	26' 0"	26' 0"	26' 0"	23' 9" e	23' 9" e	23' 9" e	22' 0" e	22' 0" e	22' 0" e	20' 7" e	20' 7" e	20' 7" e	
800S162-54	16	33	50' 5"	50' 5"	44' 10"	29' 1"	29' 1"	29' 1"	25' 2"	25' 2"	25' 2"	22' 6"	22' 6"	22' 6"	20' 7" e	20' 7" e	20' 7" e	19' 1" e	19' 1" e	19' 1" e	17' 10" e	17' 10" e	17' 10" e	
800S162-54	24	33	41' 2"	41' 2"	39' 2"	23' 9"	23' 9"	23' 9"	20' 7" e	20' 7" e	20' 7" e	18' 5" e	18' 5" e	18' 5" e	16' 10" e	16' 10" e	16' 10" e	15' 7" e	15' 7" e	15' 7" e	14' 7" e	14' 7" e	14' 7" e	
800S162-54	12	50	66' 8"	60' 8"	53' 0"	45' 2"	41' 5"	34' 11"	39' 1"	37' 7"	31' 9"	35' 0"	34' 11"	29' 5"	31' 11" e	27' 9"	29' 7"	29' 7"	26' 4"	27' 8"	27' 8"	25' 2"	25' 2"	25' 2"
800S162-68	12	50	67' 9"	55' 2"	48' 2"	39' 1"	37' 7"	31' 9"	33' 10"	33' 10"	30' 10"	30' 3" e	30' 3" e	26' 9"	27' 7"	27' 7"	25' 7"	25' 7"	25' 7"	23' 11" e	23' 11" e	23' 11" e		
800S162-68	16	50	55' 3"	48' 2"	42' 1"	31' 11" e	31' 11" e	27' 9"	27' 8"	27' 8"	25' 2"	24' 9" e	24' 9" e	20' 7" e	22' 7" e	22' 7" e	20' 11" e	20' 11" e	20' 11" e	19' 7" e	19' 7" e	19' 7" e		
800S162-68	24	50	55' 3"	48' 2"	42' 1"	31' 11" e	31' 11" e	27' 9"	27' 8"	27' 8"	25' 2"	24' 9" e	24' 9" e	20' 7" e	22' 7" e	22' 7" e	20' 11" e	20' 11" e	20' 11" e	19' 7" e	19' 7" e	19' 7" e		
800S162-97	12	33	85' 0"	67' 6"	58' 11"	50' 11"	46' 0"	38' 10"	44' 1"	41' 10"	35' 3"	39' 5"	38' 10"	32' 9"	36' 0"	36' 0"	30' 10"	33' 4"	33' 4"	29' 3"	31' 2"	31' 2"	28' 0"	
800S162-97	16	33	76' 4"	61' 4"	53' 7"	44' 1"	41' 10"	35' 3"	38' 2"	38' 0"	32' 1"	34' 2"	34' 2"	29' 9"	31' 2"	31' 2"	28' 0"	28' 10"	28' 10"	26' 7"	27' 0"	27' 0"	25' 5"	
800S162-97	24	33	62' 4"	53' 7"	46' 9"	36' 0"	36' 0"	30' 10"	31' 2"	31' 2"	28' 0"	27' 11"	27' 11"	26' 0"	25' 5"	25' 5"	24' 5"	23' 7"	23' 7"	22' 0" e	22' 0" e	22' 0		

Limiting Wall Heights - Curtain Wall 2-span

Stud Member	Spacing, in, oc	Fy, ksi	5 psf			15 psf			20 psf			25 psf			30 psf			35 psf			40 psf		
			L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600	L/240	L/360	L/600
800S250-68	12	50	83' 7"	66' 4"	58' 0"	49' 3"	45' 3"	38' 2"	42' 8"	41' 2"	34' 8"	38' 2"	38' 2"	32' 2"	34' 10"	34' 10"	30' 4"	32' 3"	32' 3"	28' 9"	30' 2"	30' 2"	27' 6"
800S250-68	16	50	73' 11"	60' 3"	52' 8"	42' 8"	41' 2"	34' 8"	36' 11"	36' 11"	31' 6"	33' 1"	33' 1"	29' 3"	30' 2"	30' 2"	27' 6"	27' 11"	27' 11"	26' 2"	26' 2"	26' 2"	25' 0"
800S250-68	24	50	60' 4"	52' 8"	46' 0"	34' 10"	34' 10"	30' 4"	30' 2"	30' 2"	27' 6"	27' 0"	27' 0"	25' 7"	24' 8"	24' 8"	24' 1"	22' 10"	22' 10"	22' 10"	21' 4"	21' 4"	21' 4"
800S250-97	12	33	93' 2"	73' 11"	64' 7"	56' 6"	50' 5"	42' 7"	48' 11"	45' 10"	38' 8"	43' 9"	42' 7"	35' 11"	40' 0"	40' 0"	33' 9"	37' 0"	37' 0"	32' 1"	34' 7"	34' 7"	30' 8"
800S250-97	16	33	84' 8"	67' 2"	58' 8"	48' 11"	45' 10"	38' 8"	42' 5"	41' 8"	35' 1"	37' 11"	37' 11"	32' 7"	34' 7"	34' 7"	30' 8"	32' 1"	32' 1"	29' 2"	30' 0"	30' 0"	27' 11"
800S250-97	24	33	69' 3"	58' 8"	51' 3"	40' 0"	40' 0"	33' 9"	34' 7"	34' 7"	30' 8"	30' 11"	30' 11"	28' 6"	28' 3"	28' 3"	26' 10"	26' 2"	26' 2"	25' 6"	24' 6"	24' 6"	24' 4"
800S250-97	12	50	93' 2"	73' 11"	64' 7"	57' 9"	50' 5"	42' 7"	52' 6"	45' 10"	38' 8"	48' 8"	42' 7"	35' 11"	45' 10"	40' 0"	33' 9"	42' 6"	38' 0"	32' 1"	39' 9"	36' 5"	30' 8"
800S250-97	16	50	84' 8"	67' 2"	58' 8"	52' 6"	45' 10"	38' 8"	47' 8"	41' 8"	35' 1"	43' 7"	38' 8"	32' 7"	39' 9"	36' 5"	30' 8"	36' 10"	34' 7"	29' 2"	34' 5"	33' 1"	27' 11"
800S250-97	24	50	73' 11"	58' 8"	51' 3"	45' 10"	40' 0"	33' 9"	39' 9"	36' 5"	30' 8"	35' 7"	33' 9"	28' 6"	32' 6"	31' 9"	26' 10"	30' 1"	30' 1"	25' 6"	28' 2"	28' 2"	24' 4"

See Curtain Wall Limiting Heights Table Notes.

Combined Axial and Lateral Load Tables

Combined Axial and Lateral Load Table Notes

1. Allowable axial loads listed in kips (1 kip = 1000 pounds).
2. Allowable axial loads determined in accordance with section C5 AISI S100-07 with S2-10 Supplement, with section D4 used for treatment of punchouts, and assuming that all axial loads pass through the geometric center of the section.
3. Listed lateral pressures and axial loads have not been modified for 1/3 stress increase based on wind/earthquake or multiple transient loads.
4. Allowable axial loads based on lateral and torsional bracing at a maximum spacing of 4 feet on center.
5. The 5 psf live load has not been reduced for deflection checks. For 15 psf or higher wind pressure, read the note below.
IBC 2012/ASCE 7-10: Due to the change in the model building codes, design wind pressures determined using IBC 2012/ASCE 7-10 are strength level loads (LRFD) in comparison to those determined in earlier IBC codes which were service level loads (ASD). The load/span tables that follow are based on service level (ASD) wind loads. Therefore, to properly use the load/span tables in this catalog, multiply the IBC 2012/ASCE 7-10 design wind pressures by 0.6 (Reference section 2.4 ASCE 7-10) prior to entering the load/span tables.

- Example:

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

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

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

Combined Axial and Lateral Load Tables

Combind Axial and Lateral Load Table Notes

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

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

Combined Axial and Lateral Load Tables

5 psf Lateral Load (Interior Walls Only)

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

5 psf Lateral Load (Interior Walls Only)

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

5 psf Lateral Load (Interior Walls Only)

Wall Height (ft)	Spacing o.c.	800S162-(mils)					800S200-(mils)									
		33 ksi		50 ksi			33 ksi		50 ksi					50 ksi		
		33	43	54	68	97			33	43	54	68	97			
8	12	2.39 a*	3.35 a	5.43 a	7.25 a	11.26 a	2.97 a*	4.47 a	7.74 a	10.29 a	15.98 a					
	16	2.36 a*	3.32 a	5.4 a	7.22 a	11.24 a	2.93 a*	4.44 a	7.71 a	10.25 a	15.95 a					
	24	2.29 a*	3.26 a	5.35 a	7.16 a	11.18 a	2.86 a*	4.36 a	7.64 a	10.19 a	15.89 a					
9	12	2.37 a*	3.33 a	5.41 a	7.22 a	11.24 a	2.94 a*	4.44 a	7.71 a	10.26 a	15.95 a					
	16	2.32 a*	3.29 a	5.37 a	7.19 a	11.21 a	2.89 a*	4.39 a	7.67 a	10.21 a	15.91 a					
	24	2.24 a*	3.21 a	5.3 a	7.12 a	11.14 a	2.8 a*	4.3 a	7.57 a	10.13 a	15.83 a					
10	12	2.33 a*	3.3 a	5.38 a	7.2 a	11.21 a	2.9 a*	4.41 a	7.68 a	10.22 a	15.92 a					
	16															

Combined Axial and Lateral Load Tables

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

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

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

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

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

15 psf Lateral Load																
Wall Height (ft)	Spacing (in.)	800S162-(mils)						800S200-(mils)						800S137-(mils)		
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2.2 a*	3.17 a	5.26 a	7.08 a	11.1 a	2.75 a*	4.25 a	7.53 a	10.09 a	15.8 a					
	16	2.1 a*	3.07 a	5.18 a	7 a	11.02 a	2.65 a*	4.14 a	7.42 a	9.99 a	15.7 a					
	24	1.9 a*	2.89 a	5.01 a	6.84 a	10.86 a	2.44 a*	3.93 a	7.21 a	9.8 a	15.52 a					
9	12	2.12 a*	3.09 a	5.19 a	7.01 a	11.03 a	2.67 a*	4.16 a	7.44 a	10 a	15.71 a					
	16	1.99 a*	2.97 a	5.08 a	6.91 a	10.93 a	2.53 a*	4.02 a	7.3 a	9.88 a	15.59 a					
	24	1.75 a*	2.73 a	4.87 a	6.69 a	10.72 a	2.27 a*	3.74 a	7.02 a	9.63 a	15.35 a					
10	12	2.02 a*	3 a	5.11 a	6.93 a	10.95 a	2.57 a*	4.05 a	7.33 a	9.91 a	15.62 a					
	16	1.87 a*	2.85 a	4.97 a	6.8 a	10.82 a	2.4 a*	3.88 a	7.15 a	9.75 a	15.46 a					
	24	1.57 a*	2.56 a	4.7 a	6.53 a	10.56 a	2.07 a*	3.54 a	6.81 a	9.43 a	15.16 a					
12	12	1.81 a*	2.79 a	4.91 a	6.73 a	10.75 a	2.33 a*	3.8 a	7.06 a	9.66 a	15.37 a					
	16	1.59 a*	2.57 a	4.71 a	6.53 a	10.55 a	2.09 a*	3.55 a	6.81 a	9.42 a	15.14 a					
	24	1.16 a*	2.15 a	4.31 a	6.15 a	10.17 a	1.63 a*	3.05 a	6.3 a	8.95 a	14.68 a					
14	12	1.55 a*	2.53 a	4.65 a	6.48 a	10.49 a	2.03 a*	3.45 a	6.63 a	9.28 a	15.04 a					
	16	1.25 a*	2.24 a	4.38 a	6.2 a	10.21 a	1.71 a*	3.11 a	6.28 a	8.94 a	14.71 a					
	24	0.69 a*	1.68 a	3.84 a	5.67 a	9.66 a	1.1 a*	2.46 a	5.59 a	8.29 a	14.05 a					
16	12	1.25 a*	2.23 a	4.35 a	6.16 a	10.15 a	1.68 a*	3.02 a	6 a	8.55 a	14.23 a					
	16	0.88 a*	1.86 a	3.98 a	5.8 a	9.77 a	1.28 a*	2.59 a	5.55 a	8.13 a	13.78 a					
	24	0.19 b*	1.15 a	3.29 a	5.09 a	9.04 a	0.54 a*	1.79 a	4.71 a	7.3 a	12.92 a					

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

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

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

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

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

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

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

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

25 psf Lateral Load																			
Wall Height (ft)	Spacing (in.) o.c.	350S162-(mils)						362S137-(mils)						362S162-(mils)					
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi					
		33	43	54	68	97	33	43	54	68	33	43	54	68	97				
8	12	0.97 a	1.68 a	3.17 a	4.27 a	6.55 a	0.73 a	1.34 a	2.6 a	3.61 a	1.04 a	1.78 a	3.36 a	4.57 a	6.97 a				
	16	0.66 b	1.36 a	2.87 a	3.96 a	6.2 a	0.45 b	1.04 a	2.32 a	3.32 a	0.73 a	1.46 a	3.05 a	4.25 a	6.62 a				
	24	0.09 d	0.76 c	2.3 b	3.38 a	5.54 a		0.49 c	1.81 b	2.78 a	0.16 c	0.86 b	2.48 a	3.66 a	5.96 a				
9	12	0.67 b	1.33 a	2.69 a	3.7 a	5.74 a	0.48 c	1.04 a	2.23 a	3.15 a	0.74 b	1.44 a	2.89 a	3.99 a	6.17 a				
	16	0.33 d	0.96 b	2.34 a	3.34 a	5.34 a	0.16 d	0.7 c	1.9 b	2.81 a	0.39 c	1.06 b	2.54 a	3.62 a	5.76 a				
	24	0.29 d	1.71 c	2.68 b	4.58 a		0.07 d	1.32 d	2.18 c		0.39 d	1.89 c	2.94 b	4.99 a					
10	12	0.39 d	0.99 c	2.21 a	3.12 a	4.92 a	0.23 d	0.74 c	1.84 b	2.67 a	0.46 c	1.09 b	2.42 a	3.4 a	5.34 a				
	16	0.02 e	0.59 d	1.84 c	2.72 b	4.47 a		0.37 d	1.49 c	2.29 b	0.08 d	0.68 d	2.03 c	2.99 a	4.88 a				
	24		1.17 d	2.02 d	3.66 c			0.85 e	1.61 d				1.34 d	2.26 c	4.04 b				
12	12		0.39 e	1.37 d	2.06 c	3.39 b		0.21 e	1.12 d	1.75 c		0.47 d	1.54 d	2.29 c	3.76 a				
	16			0.99 e	1.65 d	2.93 c			0.75 e	1.36 d		0.03 e	1.13 e	1.86 d	3.27 c				
	24			0.32 f	0.94 e	2.11 e			0.1 f	0.66 e			0.43 f	1.11 e	2.4 d				
14	12			0.76 e	1.28 e	2.26 d			0.58 e	1.06 e			0.87 e	1.45 e	2.53 d				
	16			0.39 f	0.89 e	1.81 e			0.22 f	0.67 f			0.49 f	1.04 e	2.06 e				
	24				0.21 f	1.04 f			0.01 f					0.32 f	1.24 f				
16	12			0.34 f	0.73 f	1.47 e			0.2 f	0.56 f			0.41 f	0.85 f	1.67 e				
	16				0.37 f	1.05 f			0.2 f				0.05 f	0.47 f	1.22 f				
	24					0.34 f								0.47 f					

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

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

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

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

25 psf Lateral Load																
Wall Height (ft)	Spacing (in.)	800S162-(mils)						800S200-(mils)						800S137-(mils)		
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	2 a*	2.98 a	5.09 a	6.92 a	10.94 a	2.55 a*	4.03 a	7.31 a	9.89 a	15.61 a					
	16	1.84 a*	2.82 a	4.95 a	6.78 a	10.81 a	2.37 a*	3.85 a	7.14 a	9.73 a	15.45 a					
	24	1.52 a*	2.52 a	4.67 a	6.51 a	10.54 a	2.03 a*	3.49 a	6.78 a	9.41 a	15.14 a					
9	12	1.87 a*	2.85 a	4.97 a	6.8 a	10.82 a	2.4 a*	3.88 a	7.16 a	9.75 a	15.47 a					
	16	1.66 a*	2.65 a	4.79 a	6.62 a	10.65 a	2.18 a*	3.65 a	6.93 a	9.54 a	15.27 a					
	24	1.26 a*	2.26 a	4.44 a	6.28 a	10.31 a	1.75 a*	3.2 a	6.48 a	9.13 a	14.87 a					
10	12	1.72 a*	2.7 a	4.84 a	6.67 a	10.69 a	2.24 a*	3.71 a	6.98 a	9.59 a	15.31 a					
	16	1.47 a*	2.46 a	4.61 a	6.45 a	10.47 a	1.97 a*	3.42 a	6.7 a	9.33 a	15.06 a					
	24	0.97 a*	1.98 a	4.17 a	6.01 a	10.04 a	1.43 a*	2.86 a	6.13 a	8.81 a	14.56 a					
12	12	1.37 a*	2.36 a	4.51 a	6.34 a	10.36 a	1.86 a*	3.3 a	6.55 a	9.19 a	14.91 a					
	16	1.02 a*	2.01 a	4.18 a	6.02 a	10.04 a	1.48 a*	2.89 a	6.13 a	8.8 a	14.53 a					
	24	0.33 a*	1.34 a	3.55 a	5.39 a	9.4 a	0.73 a*	2.1 a	5.32 a	8.04 a	13.78 a					
14	12	0.97 a*	1.96 a	4.11 a	5.93 a	9.94 a	1.4 a*	2.78 a	5.93 a	8.61 a	14.38 a					
	16	0.51 a*	1.49 a	3.66 a	5.49 a	9.48 a	0.91 a*	2.24 a	5.37 a	8.08 a	13.84 a					
	24		0.62 a	2.82 a	4.64 a	8.6 a		1.22 a	4.3 a	7.05 a	12.79 a					
16	12	0.53 a*	1.5 a	3.63 a	5.44 a	9.4 a	0.91 a*	2.18 a	5.12 a	7.71 a	13.34 a					
	16		0.93 a	3.07 a	4.87 a	8.8 a	0.31 b*	1.53 a	4.44 a	7.04 a	12.64 a					
	24			2.01 b	3.78 a	7.66 a		0.32 c	3.15 a	5.77 a	11.3 a					

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

30 psf Lateral Load																
Wall Height (ft)	Spacing (in.)	350S162-(mils)						362S137-(mils)				362S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi			
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	0.78 a	1.49 a	2.99 a	4.08 a	6.34 a	0.56 b	1.16 a	2.43 a	3.44 a	0.85 a	1.59 a	3.17 a	4.38 a	6.76 a	
	16	0.43 c	1.11 b	2.64 a	3.72 a	5.93 a	0.24 c	0.81 b	2.11 a	3.1 a	0.5 b	1.21 a	2.82 a	4.01 a	6.35 a	
	24		0.42 d	1.98 c	3.05 a	5.16 a		0.18 d	1.52 c	2.47 b		0.52 c	2.16 b	3.32 a	5.58 a	
9	12	0.46 c	1.11 b	2.48 a	3.48 a	5.5 a	0.28 c	0.83 b	2.03 a	2.94 a	0.53 c	1.21 a	2.68 a	3.77 a	5.92 a	
	16	0.07 d	0.69 c	2.08 b	3.06 a	5.02 a		0.44 d	1.66 c	2.55 b	0.13 d	0.78 c	2.27 b	3.34 a	5.44 a	
	24		1.37 d	2.31 c	4.16 b			0.99 d	1.84 d		0.02 d	1.54 d	2.57 c	4.56 a		
10	12	0.17 d	0.74 c	1.99 b	2.88 a	4.65 a	0.02 e	0.51 d	1.62 c	2.44 b	0.23 d	0.84 c	2.18 b	3.15 a	5.06 a	
	16		0.29 d	1.56 d	2.43 c	4.13 a		0.09 e	1.22 d	2.01 c		0.38 d	1.74 c	2.69 b	4.53 a	
	24			0.81 e	1.63 d	3.22 c			0.51 e	1.25 e			0.96 e	1.86 d	3.58 c	
12	12		0.13 e	1.13 e	1.81 d	3.11 c			0.89 e	1.51 d		0.2 e	1.29 d	2.03 d	3.46 b	
	16			0.71 e	1.35 e	2.58 d			0.48 e	1.06 e			0.84 e	1.55 e	2.9 d	
	24				0.56 f	1.67 e			0.29 f				0.05 f	0.71 f	1.94 e	
14	12			0.53 f	1.04 e	1.99 d			0.35 f	0.82 e			0.64 f	1.2 e	2.24 d	
	16			0.13 f	0.6 f	1.49 e			0.39 f				0.2 f	0.73 f	1.71 e	
	24					0.63 f								0.8 f		
16	12			0.13 f	0.51 f	1.21 e				0.34 f			0.19 f	0.62 f	1.39 e	
	16				0.11 f	0.75 f							0.19 f	0.9 f		
	24												0.07 f			

30 psf Lateral Load																
Wall Height (ft)	Spacing (in.)	362S200-(mils)						400S137-(mils)				400S162-(mils)				
		33 ksi		50 ksi			33 ksi		50 ksi		33 ksi		50 ksi			
		33	43	54	68	97	33	43	54	68	33	43	54	68	97	
8	12	1.13 a	2.13 a	4.06 a	5.58 a	8.4 a	0.72 a	1.38 a	2.81 a	4.06 a	1.05 a	1.86 a	3.67 a	5.18 a	7.99 a	
	16	0.74 b	1.71 a	3.65 a	5.18 a	7.97 a	0.4 b	1.04 a	2.5 a	3.72 a	0.7 a	1.5 a	3.32 a	4.81 a	7.58 a	
	24	0.02 d	0.95 b	2.89 a	4.42 a	7.17 a		0.41 c	1.9 b	3.07 a	0.05 c	0.81 b	2.66 a	4.1 a	6.8 a	
9	12	0.76 b	1.68 a	3.44 a	4.84 a	7.41 a	0.44 b	1.06 a	2.43 a	3.63 a	0.73 b	1.49 a	3.2 a	4.6 a	7.19 a	
	16	0.32 c	1.21 b	2.97 a	4.37 a	6.91 a	0.07 d	0.67 c	2.06 a	3.21 a	0.33 c	1.07 b	2.78 a	4.16 a	6.7 a	
	24	0.37 d		2.13 c	3.51 b	5.98 a			1.37 c	2.45 c		0.28 d	2.02 c	3.33 b	5.77 a	
10	12	0.42 c	1.25 b	2.83 a	4.09 a	6.4 a	0.17 d	0.74 c	2.03 b	3.11 a	0.41 c	1.12 b	2.7 a	3.99 a	6.33 a	
	16		0.74 d	2.32 c	3.58 b	5.84 a			0.3 d	1.61 c	2.65 b		0.64 c	2.24 b	3.48 a	5.76 a
	24			1.43 d	2.66 d	4.83 b			0.85 e	1.81 d			1.4 d	2.57 c	4.73 b	
12	12		0.49 d	1.73 d	2.72 c	4.49 a		0.14 e	1.26 d	2.09 c		0.43 d	1.75 d	2.76 c	4.6 a	
	16			1.21 e	2.19 d	3.9 c			0.79 e	1.58 d			1.25 e	2.2 d	3.96 c	
	24			0.32 f	1.26 e	2.86 d			0.68 e				0.36 f	1.23 e	2.86 d	
14	12			0.92 e	1.69 e	3.03 d			0.62 e	1.24 e			0.98 e	1.73 d	3.11 c	
	16			0.43 f	1.18 e	2.45 e			0.15 f	0.73 f			0.48 f	1.18 e	2.49 d	
	24				0.31 f	1.47 f							0.25 f	1.43 e		
16	12			0.38 f	0.98 f	1.99 e			0.16 f	0.62 f			0.42 f	0.98 e	2.03 e	
	16				0.5 f	1.46 f				0.15 f			0.48 f	1.45 e		
	24					0.54 f							0.46 f			

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

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

30 psf Lateral Load																			
Wall Height (ft)	Spacing (in.)	600S162-(mils)						600S200-(mils)						800S137-(mils)					
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi					
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97			
8	12	1.73 a	2.77 a	5.02 a	6.88 a	10.84 a	2.15 a	3.56 a	6.71 a	9.27 a	14.95 a	1.3 a*	2.03 a	3.25 a	4.44 a	6.94 a			
	16	1.47 a	2.53 a	4.79 a	6.65 a	10.62 a	1.88 a	3.27 a	6.42 a	9 a	14.67 a	1.14 a*	1.88 a	3.12 a	4.32 a	6.83 a			
	24	0.95 a	2.05 a	4.33 a	6.21 a	10.18 a	1.34 a	2.69 a	5.84 a	8.45 a	14.12 a	0.82 a*	1.57 a	2.87 a	4.08 a	6.6 a			
9	12	1.51 a	2.56 a	4.81 a	6.67 a	10.63 a	1.9 a	3.27 a	6.35 a	8.89 a	14.48 a	1.17 a*	1.91 a	3.14 a	4.34 a	6.85 a			
	16	1.18 a	2.25 a	4.52 a	6.38 a	10.35 a	1.56 a	2.91 a	5.98 a	8.54 a	14.12 a	0.96 a*	1.71 a	2.98 a	4.19 a	6.7 a			
	24	0.54 a	1.65 a	3.94 a	5.81 a	9.78 a	0.9 a	2.2 a	5.26 a	7.85 a	13.42 a	0.56 a*	1.32 a	2.67 a	3.88 a	6.41 a			
10	12	1.26 a	2.32 a	4.57 a	6.43 a	10.38 a	1.63 a	2.96 a	5.94 a	8.45 a	13.92 a	1.02 a*	1.76 a	3.03 a	4.23 a	6.74 a			
	16	0.86 a	1.94 a	4.2 a	6.06 a	10.02 a	1.22 a	2.51 a	5.49 a	8.02 a	13.47 a	0.77 a*	1.52 a	2.83 a	4.03 a	6.55 a			
	24	0.11 b	1.22 a	3.5 a	5.36 a	9.31 a	0.44 a	1.67 a	4.82 a	7.18 a	12.6 a	0.28 a*	1.04 a	2.43 a	3.65 a	6.19 a			
12	12	0.7 a	1.75 a	3.94 a	5.82 a	9.74 a	1.03 a	2.24 a	4.98 a	7.37 a	12.5 a	0.68 a*	1.43 a	2.74 a	3.95 a	6.47 a			
	16	0.19 c	1.24 a	3.43 a	5.3 a	9.19 a	0.5 b	1.66 a	4.37 a	6.77 a	11.86 a	0.33 a*	1.09 a	2.46 a	3.67 a	6.2 a			
	24		0.31 c	2.47 b	4.31 a	8.15 a		0.57 c	3.24 b	5.65 a	10.66 a		0.42 a	1.9 a	3.13 a	5.67 a			
14	12	0.14 c	1.12 b	3.11 a	4.87 a	8.83 a	0.42 c	1.48 a	3.92 a	6.13 a	10.78 a	0.29 a*	1.04 a	2.41 a	3.62 a	6.14 a			
	16		0.52 d	2.5 c	4.21 a	8.09 a		0.79 c	3.19 b	5.39 a	9.97 a		0.59 a	2.02 a	3.24 a	5.77 a			
	24			1.38 d	3.02 c	6.74 b			1.88 d	4.06 c	8.49 a			1.28 b	2.51 a	5.05 a			
16	12		0.51 d	2.28 c	3.82 b	7.28 a		0.77 c	2.88 b	4.85 a	8.92 a		0.61 a	2.02 a	3.22 a	5.74 a			
	16			1.6 d	3.09 c	6.44 b		0.01 d	2.09 d	4.03 c	8.01 a		0.06 c	1.53 b	2.74 a	5.25 a			
	24			0.4 e	1.8 e	4.95 d			0.7 e	2.59 d	6.38 c			0.61 d	1.81 c	4.32 a			

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

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

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

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

35 psf Lateral Load																			
Wall Height (ft)	Spacing (in.)	400S200-(mils)						550S162-(mils)						600S137-(mils)					
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi					
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97			
8	12	1.16 a	2.26 a	4.48 a	6.34 a	9.69 a	1.49 a	2.54 a	4.83 a	6.68 a	10.55 a	1.08 a	1.84 a	3.24 a	4.49 a	7.08 a			
	16	0.72 a	1.8 a	4.02 a	5.88 a	9.2 a	1.16 a	2.23 a	4.53 a	6.38 a	10.25 a	0.82 a	1.58 a	3.03 a	4.28 a	6.9 a			
	24	0.95 b	3.15 a	5 a	8.26 a		0.52 a	1.63 a	3.94 a	5.8 a	9.67 a	0.32 a	1.09 a	2.6 a	3.86 a	6.53 a			
9	12	0.77 b	1.79 a	3.84 a	5.6 a	8.68 a	1.2 a	2.25 a	4.53 a	6.4 a	10.26 a	0.87 a	1.62 a	3.05 a	4.31 a	6.92 a			
	16	0.27 c	1.26 b	3.31 a	5.04 a	8.09 a	0.8 a	1.87 a	4.15 a	6.02 a	9.87 a	0.55 a	1.3 a	2.78 a	4.03 a	6.68 a			
	24	0.3 d	2.32 c	4.03 b	6.99 a		0.03 b	1.13 a	3.41 a	5.28 a	9.12 a	0.69 a	2.24 a	3.5 a	6.21 a				
10	12	0.39 c	1.33 b	3.2 a	4.81 a	7.62 a	0.89 a	1.93 a	4.14 a	6.06 a	9.91 a	0.63 a	1.38 a	2.84 a	4.09 a	6.72 a			
	16	0.74 c	2.61 b	4.2 a	6.95 a		0.42 b	1.48 a	3.69 a	5.59 a	9.42 a	0.25 a	1 a	2.5 a	3.75 a	6.42 a			
	24	1.54 d	3.08 c	5.73 b			0.61 b	2.82 a	4.69 a	8.48 a		0.27 b	1.84 a	3.09 a	5.84 a				
12	12	0.49 d	2.01 c	3.3 c	5.54 a		0.25 c	1.24 b	3.27 a	5.04 a	8.98 a	0.13 c	0.85 a	2.33 a	3.57 a	6.24 a			
	16	1.37 d	2.63 d	4.79 b			0.66 c	2.68 b	4.41 a	8.27 a		0.34 c	1.86 b	3.09 a	5.8 a				
	24	0.26 e	1.45 e	3.48 d			1.59 d	3.26 c	6.95 a			0.98 d	2.19 c	4.96 a					
14	12		1.06 e	2.05 d	3.76 c		0.56 d	2.35 c	3.91 b	7.33 a		0.28 d	1.75 c	2.95 a	5.62 a				
	16		0.44 f	1.4 e	3.03 d			1.67 d	3.18 c	6.49 b			1.16 d	2.33 c	5.03 a				
	24		0.28 f	1.77 e			0.47 e	1.88 e	4.98 d			0.1 e	1.21 d	3.94 c					
16	12		0.4 f	1.16 e	2.47 e			1.5 d	2.82 d	5.69 b			1.15 d	2.27 c	4.89 b				
	16		0.55 f	1.79 e			0.79 e	2.05 e	4.79 d			0.47 e	1.55 d	4.16 c					
	24		0.62 f					0.721	3.22 e			0.27 e	2.86 e						

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

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

35 psf Lateral Load																
Wall Height (ft)	Spacing (in.)	800S162-(mils)						800S200-(mils)						800S137-(mils)		
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi		
		33	43	54	68	97	33	43	54	68	97	33	43	54	68	97
8	12	1.81 a*	2.79 a	4.92 a	6.75 a	10.78 a	2.34 a*	3.82 a	7.1 a	9.7 a	15.42 a					
	16	1.58 a*	2.58 a	4.73 a	6.56 a	10.59 a	2.1 a*	3.57 a	6.85 a	9.47 a	15.21 a					
	24	1.14 a*	2.15 a	4.34 a	6.18 a	10.22 a	1.62 a*	3.07 a	6.36 a	9.02 a	14.78 a					
9	12	1.62 a*	2.61 a	4.76 a	6.59 a	10.62 a	2.14 a*	3.61 a	6.89 a	9.5 a	15.23 a					
	16	1.34 a*	2.34 a	4.51 a	6.35 a	10.38 a	1.83 a*	3.29 a	6.57 a	9.21 a	14.95 a					
	24	0.78 a*	1.8 a	4.01 a	5.86 a	9.9 a	1.23 a*	2.66 a	5.94 a	8.64 a	14.4 a					
10	12	1.42 a*	2.41 a	4.57 a	6.4 a	10.43 a	1.91 a*	3.37 a	6.64 a	9.28 a	15.01 a					
	16	1.07 a*	2.08 a	4.26 a	6.1 a	10.13 a	1.54 a*	2.97 a	6.25 a	8.91 a	14.66 a					
	24	0.4 a*	1.42 a	3.65 a	5.5 a	9.53 a	0.81 a*	2.2 a	5.47 a	8.2 a	13.96 a					
12	12	0.95 a*	1.94 a	4.12 a	5.95 a	9.97 a	1.4 a*	2.81 a	6.05 a	8.72 a	14.45 a					
	16	0.47 a*	1.47 a	3.67 a	5.51 a	9.53 a	0.88 a*	2.26 a	5.48 a	8.19 a	13.93 a					
	24		0.56 a	2.81 a	4.65 a	8.66 a		1.18 a	4.38 a	7.15 a	12.9 a					
14	12	0.42 a*	1.4 a	3.58 a	5.4 a	9.39 a	0.81 a*	2.14 a	5.26 a	7.97 a	13.73 a					
	16		0.79 a	2.98 a	4.8 a	8.78 a	0.15 b*	1.42 a	4.51 a	7.25 a	13 a					
	24			1.85 b	3.66 a	7.59 a		0.08 b	3.1 a	5.88 a	11.58 a					
16	12		0.81 b	2.96 a	4.75 a	8.69 a	0.19 b*	1.41 a	4.3 a	6.91 a	12.5 a					
	16		0.07 c	2.22 b	3.99 a	7.88 a		0.55 b	3.4 a	6.02 a	11.56 a					
	24			0.84 d	2.57 c	6.36 a			1.75 c	4.37 b	9.79 a					

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

40 psf Lateral Load																			
Wall Height (ft)	Spacing (in.)	350S162-(mils)						362S137-(mils)						362S162-(mils)					
		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi		33 ksi		50 ksi			
		33	43	54	68	97		33	43	54	68		33	43	54	68	97		
8	12	0.43 c	1.11 b	2.64 a	3.72 a	5.93 a	0.24 c	0.81 b	2.11 a	3.1 a	0.5 b	1.21 a	2.82 a	4.01 a	6.35 a				
	16			0.65 c	2.19 b	3.26 a	5.41 a		0.38 c	1.71 b	2.67 a	0.06 d	0.75 c	2.37 b	3.54 a	5.83 a			
	24				1.39 d	2.42 c	4.45 a			0.97 d	1.88 c			1.56 d	2.68 c	4.85 a			
9	12	0.07 d	0.69 c	2.08 b	3.06 a	5.02 a		0.44 d	1.66 c	2.55 b	0.13 d	0.78 c	2.27 b	3.34 a	5.44 a				
	16			0.17 d	1.6 d	2.55 c	4.44 a		1.21 d	2.07 c	0.26 d	1.77 c	2.82 b	4.84 a					
	24				0.72 e	1.63 d	3.38 c		0.39 e	1.19 e	0.87 e	1.86 d		1.86 d	3.75 c				
10	12			0.29 d	1.56 d	2.43 c	4.13 a		0.09 e	1.22 d	2.01 c		0.38 d	1.74 c	2.69 b	4.53 a			
	16				1.05 e	1.89 d	3.51 c			0.74 e	1.49 d			1.21 d	2.12 d	3.89 b			
	24				0.15 f	0.93 e	2.4 d			0.57 e			0.27 e	1.12 e	2.73 d				
12	12				0.71 e	1.35 e	2.58 d		0.48 e	1.06 e	0.53 f			0.84 e	1.55 e	2.9 d			
	16				0.2 f	0.81 e	1.96 e						0.3 f	0.98 e	2.24 e		1.1 f		
	24					0.87 f													
14	12				0.13 f	0.6 f	1.49 e			0.39 f			0.2 f	0.73 f	1.71 e				
	16					0.09 f	0.9 f						0.19 f	1.09 f		0.02 f			
	24												0.19 f	0.9 f		0.33 f			
16	12					0.11 f	0.75 f												
	16						0.21 f												
	24																		

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

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

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

40 psf Lateral Load

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

40 psf Lateral Load

Wall Height (ft)	Spacing (in.)	800S162-(mils)						800S200-(mils)						800S137-(mils)					
		33 ksi		50 ksi			33 ksi		50 ksi			33 ksi		50 ksi					
		o.c.	33	43	54	68	97	33	43	54	68	97	33	43	54	68	97		
8	12	1.71 a*	2.7 a	4.84 a	6.67 a	10.7 a	2.23 a*	3.71 a	6.99 a	9.6 a	15.33 a								
	16	1.46 a*	2.45 a	4.62 a	6.45 a	10.49 a	1.96 a*	3.42 a	6.71 a	9.34 a	15.08 a								
	24	0.95 a*	1.97 a	4.17 a	6.02 a	10.06 a	1.42 a*	2.85 a	6.15 a	8.83 a	14.59 a								
9	12	1.5 a*	2.5 a	4.65 a	6.49 a	10.51 a	2.01 a*	3.47 a	6.75 a	9.38 a	15.11 a								
	16	1.18 a*	2.19 a	4.37 a	6.21 a	10.24 a	1.66 a*	3.11 a	6.39 a	9.05 a	14.79 a								
	24	0.55 a*	1.57 a	3.8 a	5.66 a	9.69 a	0.98 a*	2.39 a	5.68 a	8.39 a	14.16 a								
10	12	1.27 a*	2.27 a	4.44 a	6.27 a	10.3 a	1.75 a*	3.2 a	6.47 a	9.12 a	14.86 a								
	16	0.88 a*	1.89 a	4.08 a	5.93 a	9.96 a	1.33 a*	2.75 a	6.02 a	8.71 a	14.46 a								
	24	0.11 a*	1.14 a	3.39 a	5.24 a	9.28 a	0.51 a*	1.88 a	5.14 a	7.89 a	13.67 a								
12	12	0.74 a*	1.74 a	3.93 a	5.76 a	9.78 a	1.17 a*	2.57 a	5.81 a	8.49 a	14.23 a								
	16	0.2 a*	1.21 a	3.42 a	5.26 a	9.28 a	0.59 a*	1.94 a	5.16 a	7.89 a	13.63 a								
	24		0.18 a	2.45 a	4.29 a	8.29 a		0.74 a	3.92 a	6.72 a	12.47 a								
14	12	0.15 b*	1.14 a	3.32 a	5.14 a	9.13 a	0.52 a*	1.83 a	4.94 a	7.66 a	13.41 a								
	16		0.45 b	2.65 a	4.47 a	8.43 a			1.03 a	4.1 a	6.85 a	12.58 a							
	24		1.39 c	3.19 a	7.1 a					2.52 b	5.31 a	11 a							
16	12		0.49 b	2.63 a	4.42 a	8.34 a			1.03 a	3.91 a	6.52 a	12.09 a							
	16			1.81 c	3.57 a	7.44 a			0.09 c	2.91 b	5.53 a	11.04 a							
	24		0.29 d	2 c	5.75 b					1.09 d	3.71 c	9.08 a							

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

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

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

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

See Combined Axial and Lateral Load Table Notes.

Combined Axial and Lateral Load Tables

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

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

See Combined Axial and Lateral Load Table Notes.

Floor Joist Span Tables

Allowable Floor Joist Span Table Notes

1. Spans are based on continuous support of compression flange over the full length of the joist.
2. End shear and web crippling capacity have not been reduced for punchouts.
3. Calculated allowable properties are based on AISI S100-07 with S2-10 Supplement, NAS for Design of Cold-Formed Steel Structural Members.
4. For two equal spans, the listed span is the center-to-center distance from either end to the center support, with the joist continuous over the center support.
5. Joists must be braced against rotation at all supports.
6. End web crippling check is based on 3.5 inch end bearing. Joist flanges must be fastened to the support.
7. Shear capacity at mid-span support has been reduced for the presence of punchouts adjacent to the support. Mid-span combined bending and shear check based on stiffened web.
8. Deflection checks are computed using unbalanced loads for the two equal span condition.
9. Total load deflection limited to L/240. Live load deflection limit as noted.
10. "e" indicates that web stiffeners are required at the end supports only.
11. "i" indicates that web stiffeners are required at the interior supports only.
12. "a" indicates that web stiffeners are required at all the supports.
13. Allowable flexural strength values in the tables are based on the minimum of local, distortional, and lateral-torsional buckling. Distortional buckling strength is based on a $k_p = 0$. Higher values may be obtained when sheathing is applied to the walls resulting in a higher $k\phi$ value.

10 psf Dead Load and 20 psf Live Load

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

See Allowable Floor Joist Span Table Notes

Floor Joist Span Tables

10 psf Dead Load and 20 psf Live Load

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

See Allowable Floor Joist Span Table Notes

10 psf Dead Load and 30 psf Live Load

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

See Allowable Floor Joist Span Table Notes

Floor Joist Span Tables

10 psf Dead Load and 30 psf Live Load

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

10 psf Dead Load and 40 psf Live Load

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

Floor Joist Span Tables

10 psf Dead Load and 40 psf Live Load

		Live Load Deflection L/360									Live Load Deflection L/480								
Member	Fy (ksi)	Single Span			Two Equal Spans			Single Span			Two Equal Spans								
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
1000S250-68	50	25' 10"	23' 5"	20' 6"	29' 0" i	26' 1" i	21' 4" i	23' 5"	21' 4"	18' 7"	26' 4" i	23' 11" i	20' 11" i						
1000S162-97	50	26' 6"	24' 1"	21' 0"	29' 9"	27' 0"	23' 7" i	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" i	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" i	26' 2"	23' 9"	20' 9"	29' 4"	26' 8"	23' 4"						
1200S162-54	50	25' 0" e	21' 8" e	17' 8" e	25' 0" a	21' 8" a	16' 9" a	22' 9" e	20' 8" e	17' 8" e	25' 0" a	21' 8" a	16' 9" a						
1200S200-54	50	26' 2" e	23' 5" e	19' 1" e	27' 0" a	23' 3" a	17' 6" a	23' 9" e	21' 7" e	18' 10" e	26' 8" a	23' 3" a	17' 6" a						
1200S250-54	50	27' 3" e	24' 2" e	19' 9" e	27' 11" a	23' 9" a	17' 10" a	24' 9" e	22' 6" e	19' 7" e	27' 9" a	23' 9" a	17' 10" a						
1200S162-68	50	27' 2"	24' 8"	21' 0"	29' 8" i	25' 9" i	21' 0" i	24' 8"	22' 5"	19' 7"	27' 9" i	25' 2" i	21' 0" i						
1200S200-68	50	28' 4"	25' 9"	22' 6"	31' 10" i	27' 8" i	22' 7" i	25' 9"	23' 5"	20' 5"	28' 11" i	26' 3" i	22' 7" i						
1200S250-68	50	29' 6"	26' 10"	23' 4"	33' 0" i	28' 7" i	23' 4" i	26' 10"	24' 5"	21' 4"	30' 2" i	27' 4" i	23' 4" i						
1200S162-97	50	30' 10"	28' 0"	24' 5"	34' 7"	31' 5" i	27' 3" i	28' 0"	25' 5"	22' 3"	31' 5"	28' 7"	24' 11" i						
1200S200-97	50	32' 1"	29' 2"	25' 5"	36' 0"	32' 9" i	28' 7" i	29' 2"	26' 6"	23' 1"	32' 9"	29' 9"	26' 0" i						
1200S250-97	50	33' 4"	30' 3"	26' 5"	37' 5"	34' 0" i	29' 8" i	30' 3"	27' 6"	24' 0"	34' 0"	30' 11"	27' 0" i						
1400S200-54	50	28' 8" e	24' 10" e	20' 3" e	27' 9" a	22' 8" a	16' 9" a	26' 8" e	24' 3" e	20' 3" e	27' 9" a	22' 8" a	16' 9" a						
1400S250-54	50	29' 10" e	25' 10" e	21' 1" e	28' 5" a	23' 1" a	17' 0" a	27' 0" e	25' 3" e	21' 1" e	28' 5" a	23' 1" a	17' 0" a						
1400S300-54	50	30' 6" e	26' 5" e	21' 7" e	28' 9" a	23' 5" a	17' 3" a	28' 2" e	25' 7" e	21' 7" e	28' 9" a	23' 5" a	17' 3" a						
1400S350-54	50	33' 2" e	29' 9" e	23' 6" e	30' 9" a	24' 10" a	18' 1" a	30' 1" e	27' 4" e	23' 6" e	30' 9" a	24' 10" a	18' 1" a						
1400S200-68	50	31' 11"	29' 0"	24' 1" e	34' 1" i	29' 6" i	24' 1" i	29' 0"	26' 4"	23' 0"	32' 7" i	29' 6" i	24' 1" i						
1400S250-68	50	33' 3"	30' 2"	25' 0" e	35' 4" i	30' 8" i	25' 0" i	30' 2"	27' 5"	24' 0"	33' 11" i	30' 8" i	25' 0" i						
1400S300-68	50	34' 1"	31' 0"	25' 7" e	36' 2" i	31' 4" i	25' 7" i	31' 0"	28' 2"	24' 7" e	34' 9" i	31' 4" i	25' 7" i						
1400S350-68	50	36' 7"	33' 3"	28' 7" e	40' 5" i	35' 0" i	27' 9" i	33' 3"	30' 2"	26' 4" e	37' 3" i	33' 11" i	27' 9" i						
1400S200-97	50	36' 3"	32' 11"	28' 9"	40' 8" i	37' 0" i	31' 4" i	32' 11"	29' 11"	26' 2"	37' 0"	33' 7" i	29' 4" i						
1400S250-97	50	37' 7"	34' 2"	29' 10"	42' 3" i	38' 4" i	32' 6" i	34' 2"	31' 0"	27' 1"	38' 4"	34' 10" i	30' 5" i						
1400S300-97	50	38' 9"	35' 2"	30' 9"	43' 6" i	39' 6" i	33' 3" i	35' 2"	32' 0"	27' 11"	39' 6" i	35' 11" i	31' 4" i						
1400S350-97	50	40' 11"	37' 2"	32' 5"	45' 11" i	41' 8" i	36' 5" i	37' 2"	33' 9"	29' 6"	41' 8"	37' 11" i	33' 1" i						

10 psf Dead Load and 50 psf Live Load

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

Floor Joist Span Tables

10 psf Dead Load and 50 psf Live Load

Member	Fy (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		12	16	24	12	16	24	12	16	24	12	16	24
1000S162-68	50	21' 11"	19' 11"	17' 4"	24' 7" i	21' 8" i	17' 8" i	19' 11"	18' 1"	15' 9"	22' 4" i	20' 3" i	17' 8" i
1000S200-68	50	22' 10"	20' 9"	18' 2"	25' 8" i	23' 2" i	18' 11" i	20' 9"	18' 10"	16' 6"	23' 4" i	21' 2" i	18' 6" i
1000S250-68	50	24' 0"	21' 9"	19' 0"	26' 11" i	23' 10" i	19' 6" i	21' 9"	19' 9"	17' 3"	24' 5" i	22' 3" i	19' 5" i
1000S162-97	50	24' 7"	22' 4"	19' 6"	27' 7"	25' 1"	21' 11" i	22' 4"	20' 3"	17' 9"	25' 1"	22' 9"	19' 11" i
1000S200-97	50	25' 8"	23' 4"	20' 4"	28' 10"	26' 2"	22' 10" i	23' 4"	21' 2"	18' 6"	26' 2"	23' 9"	20' 9" i
1000S250-97	50	26' 9"	24' 3"	21' 3"	30' 0"	27' 3"	23' 10" i	24' 3"	22' 1"	19' 3"	27' 3"	24' 9"	21' 8" i
1200S162-54	50	22' 10" e	19' 9" e	16' 1" e	22' 10" a	19' 6" a	14' 8" a	21' 1" e	19' 2" e	16' 1" e	22' 10" a	19' 6" a	14' 8" a
1200S200-54	50	24' 3" e	21' 4" e	17' 5" e	24' 8" a	20' 6" a	15' 4" a	22' 0" e	20' 0" e	17' 5" e	24' 8" a	20' 6" a	15' 4" a
1200S250-54	50	25' 3" e	22' 1" e	18' 0" e	25' 6" a	20' 11" a	15' 7" a	22' 11" e	20' 10" e	18' 0" e	25' 6" a	20' 11" a	15' 7" a
1200S162-68	50	25' 3"	22' 11"	19' 2"	27' 1" i	23' 6" i	19' 2" i	22' 11"	20' 10"	18' 2"	25' 9" i	23' 5" i	19' 2" i
1200S200-68	50	26' 4"	23' 11"	20' 8" e	29' 2" i	25' 3" i	20' 8" i	23' 11"	21' 9"	19' 0"	26' 10" i	24' 5" i	20' 8" i
1200S250-68	50	27' 5"	24' 11"	21' 4" e	30' 1" i	26' 1" i	21' 4" i	24' 11"	22' 8"	19' 9"	28' 0" i	25' 5" i	21' 4" i
1200S162-97	50	28' 7"	26' 0"	22' 8"	32' 1"	29' 2" i	24' 11" i	26' 0"	23' 7"	20' 7"	29' 2"	26' 6"	23' 2" i
1200S200-97	50	29' 9"	27' 1"	23' 8"	33' 5"	30' 4" i	26' 6" i	27' 1"	24' 7"	21' 6"	30' 4"	27' 7"	24' 1" i
1200S250-97	50	30' 11"	28' 1"	24' 7"	34' 9"	31' 7" i	27' 5" i	28' 1"	25' 6"	22' 4"	31' 7"	28' 8"	25' 0" i
1400S200-54	50	26' 2" e	22' 8" e	18' 6" e	24' 5" a	19' 10" a	14' 7" a	24' 9" e	22' 6" e	18' 6" e	24' 5" a	19' 10" a	14' 7" a
1400S250-54	50	27' 2" e	23' 7" e	19' 3" e	24' 11" a	20' 2" a	14' 10" a	25' 9" e	23' 5" e	19' 3" e	24' 11" a	20' 2" a	14' 10" a
1400S200-68	50	29' 8"	26' 11"	22' 0" e	31' 1" i	26' 11" i	22' 0" i	26' 11"	24' 6"	21' 5" e	30' 3" i	26' 11" i	22' 0" i
1400S250-68	50	30' 10"	28' 0"	22' 10" e	32' 3" i	28' 0" i	22' 6" i	28' 0"	25' 6"	22' 3" e	31' 6" i	28' 0" i	22' 6" i
1400S200-97	50	33' 8"	30' 7"	26' 9"	37' 9" i	34' 4" i	28' 7" i	30' 7"	27' 9"	24' 3"	34' 4"	31' 2" i	27' 3" i
1400S250-97	50	34' 11"	31' 9"	27' 8"	39' 2" i	35' 7" i	29' 8" i	31' 9"	28' 10"	25' 2"	35' 7"	32' 4" i	28' 3" i

See Allowable Floor Joist Span Table Notes

15 psf Dead Load and 125 psf Live Load

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

Floor Joist Span Tables

15 psf Dead Load and 125 psf Live Load

		Live Load Deflection L/360									Live Load Deflection L/480								
Member	Fy (ksi)	Single Span			Two Equal Spans			Single Span			Two Equal Spans								
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24			
1000S162-97	50	18' 1"	16' 5"	14' 4"	20' 4" i	18' 2" i	14' 10" i	16' 5"	14' 11"	13' 1"	18' 6" i	16' 9" i	14' 8" i						
1000S200-97	50	18' 11"	17' 2"	15' 0"	21' 3" i	19' 3" i	15' 10" i	17' 2"	15' 7"	13' 8"	19' 3" i	17' 6" i	15' 4" i						
1000S250-97	50	19' 8"	17' 11"	15' 8"	22' 1" i	20' 1" i	16' 11" i	17' 11"	16' 3"	14' 2"	20' 1" i	18' 3" i	15' 11" i						
1200S162-54	50	14' 11" e	12' 11" e	9' 10" e	13' 2" a	10' 7" a	7' 8" a	14' 11" e	12' 11" e	9' 10" e	13' 2" a	10' 7" a	7' 8" a						
1200S200-54	50	16' 2" e	14' 0" e	9' 10" e	13' 8" a	11' 0" a	7' 10" a	16' 2" e	14' 0" e	9' 10" e	13' 8" a	11' 0" a	7' 10" a						
1200S250-54	50	16' 8" e	14' 5" e	9' 10" e	13' 10" a	11' 1" a	7' 10" a	16' 8" e	14' 5" e	9' 10" e	13' 10" a	11' 1" a	7' 10" a						
1200S162-68	50	17' 9" e	15' 4" e	12' 7" e	17' 9" i	15' 4" i	11' 11" a	16' 11"	15' 4" e	12' 7" e	17' 9" i	15' 4" i	11' 11" a						
1200S200-68	50	19' 1" e	16' 6" e	13' 6" e	19' 1" i	16' 6" a	12' 6" a	17' 7"	16' 0" e	13' 6" e	19' 1" i	16' 6" a	12' 6" a						
1200S250-68	50	19' 9" e	17' 1" e	13' 11" e	19' 9" i	16' 10" a	12' 8" a	18' 4" e	16' 8" e	13' 11" e	19' 9" i	16' 10" a	12' 8" a						
1200S162-97	50	21' 1"	19' 2"	16' 3"	23' 0" i	19' 11" i	16' 3" i	19' 2"	17' 5"	15' 2"	21' 6" i	19' 6" i	16' 3" i						
1200S200-97	50	21' 11"	19' 11"	17' 5" e	24' 7" i	21' 4" i	17' 5" i	19' 11"	18' 1"	15' 10"	22' 4" i	20' 4" i	17' 5" i						
1200S250-97	50	22' 9"	20' 8"	18' 0" e	25' 5" i	22' 0" i	18' 0" i	20' 8"	18' 10"	16' 5"	23' 3" i	21' 1" i	18' 0" i						
1400S200-54	50	16' 10" e	12' 7" e	8' 5" e	12' 11" a	10' 1" a	6' 9" a	16' 10" e	12' 7" e	8' 5" e	12' 11" a	10' 1" a	6' 9" a						
1400S250-54	50	16' 10" e	12' 7" e	8' 5" e	13' 1" a	10' 1" a	6' 9" a	16' 10" e	12' 7" e	8' 5" e	13' 1" a	10' 1" a	6' 9" a						
1400S300-54	50	16' 10" e	12' 7" e	8' 5" e	13' 2" a	10' 1" a	6' 9" a	16' 10" e	12' 7" e	8' 5" e	13' 2" a	10' 1" a	6' 9" a						
1400S350-54	50	16' 10" e	12' 7" e	8' 5" e	13' 5" a	10' 1" a	6' 9" a	16' 10" e	12' 7" e	8' 5" e	13' 5" a	10' 1" a	6' 9" a						
1400S200-68	50	20' 4" e	17' 8" e	14' 5" e	19' 9" i	16' 2" a	12' 0" a	19' 10" e	17' 8" e	14' 5" e	19' 9" i	16' 2" a	12' 0" a						
1400S250-68	50	21' 2" e	18' 4" e	14' 11" e	20' 3" a	16' 6" a	12' 2" a	20' 8" e	18' 4" e	14' 11" e	20' 3" a	16' 6" a	12' 2" a						
1400S300-68	50	21' 8" e	18' 9" e	15' 4" e	20' 6" a	16' 8" a	12' 4" a	21' 2" e	18' 9" e	15' 4" e	20' 6" a	16' 8" a	12' 4" a						
1400S350-68	50	24' 2" e	20' 11" e	16' 11" e	21' 10" a	17' 8" a	12' 11" a	22' 9" e	20' 8" e	16' 11" e	21' 10" a	17' 8" a	12' 11" a						
1400S200-97	50	24' 10"	22' 6"	18' 9" e	26' 6" i	22' 11" i	18' 9" i	22' 6"	20' 6"	17' 11" e	25' 4" i	22' 11" i	18' 9" i						
1400S250-97	50	25' 9"	23' 4"	19' 5" e	27' 5" i	23' 9" i	19' 5" a	23' 4"	21' 3"	18' 7" e	26' 3" i	23' 9" i	19' 5" a						
1400S300-97	50	26' 6"	24' 1"	19' 10" e	28' 1" i	24' 4" i	19' 10" a	24' 1"	21' 11"	19' 1" e	27' 0" i	24' 4" i	19' 10" a						
1400S350-97	50	28' 0"	25' 5" e	21' 11" e	31' 0" i	26' 10" i	21' 11" a	25' 5"	23' 1"	20' 2" e	28' 6" i	25' 11" i	21' 11" a						

See Allowable Floor Joist Span Table Notes

40 psf Dead Load and 125 psf Live Load

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

Floor Joist Span Tables

40 psf Dead Load and 125 psf Live Load

Member	Fy (ksi)	Live Load Deflection L/360						Live Load Deflection L/480					
		Single Span			Two Equal Spans			Single Span			Two Equal Spans		
		Spacing (in) o.c.		Spacing (in) o.c.	Spacing (in) o.c.		Spacing (in) o.c.	Spacing (in) o.c.		Spacing (in) o.c.	Spacing (in) o.c.		Spacing (in) o.c.
Member	Fy (ksi)	12	16	24	12	16	24	12	16	24	12	16	24
1000S250-54	50	14' 1" e	12' 3" e	10' 0" e	12' 10" a	10' 5" a	7' 7" a	14' 1" e	12' 3" e	10' 0" e	12' 10" a	10' 5" a	7' 7" a
1000S162-68	50	15' 1"	13' 1" e	10' 8" e	15' 1" i	13' 1" i	10' 8" a	14' 8"	13' 1" e	10' 8" e	15' 1" i	13' 1" i	10' 8" a
1000S200-68	50	16' 2" e	14' 0" e	11' 5" e	16' 2" i	14' 0" a	11' 5" a	15' 4"	13' 11" e	11' 5" e	16' 2" i	14' 0" a	11' 5" a
1000S250-68	50	16' 7" e	14' 4" e	11' 9" e	16' 7" i	14' 4" a	11' 7" a	16' 0" e	14' 4" e	11' 9" e	16' 7" i	14' 4" a	11' 7" a
1000S162-97	50	18' 1"	16' 5"	13' 8"	19' 4" i	16' 9" i	13' 8" i	16' 5"	14' 11"	13' 1"	18' 6" i	16' 9" i	13' 8" i
1000S200-97	50	18' 11"	17' 2"	14' 7"	20' 7" i	17' 10" i	14' 7" i	17' 2"	15' 7"	13' 8"	19' 3" i	17' 6" i	14' 7" i
1000S250-97	50	19' 8"	17' 11"	15' 7" e	22' 0" i	19' 1" i	15' 7" i	17' 11"	16' 3"	14' 2"	20' 1" i	18' 3" i	15' 7" i
1200S162-54	50	13' 9" e	11' 11" e	8' 4" e	11' 7" a	9' 4" a	6' 8" a	13' 9" e	11' 11" e	8' 4" e	11' 7" a	9' 4" a	6' 8" a
1200S200-54	50	14' 11" e	12' 6" e	8' 4" e	12' 1" a	9' 8" a	6' 8" a	14' 11" e	12' 6" e	8' 4" e	12' 1" a	9' 8" a	6' 8" a
1200S250-54	50	15' 4" e	12' 6" e	8' 4" e	12' 3" a	9' 9" a	6' 8" a	15' 4" e	12' 6" e	8' 4" e	12' 3" a	9' 9" a	6' 8" a
1200S162-68	50	16' 4" e	14' 2" e	11' 7" e	16' 4" i	14' 1" a	10' 7" a	16' 4" e	14' 2" e	11' 7" e	16' 4" i	14' 1" a	10' 7" a
1200S200-68	50	17' 7" e	15' 3" e	12' 5" e	17' 7" i	14' 9" a	11' 1" a	17' 7" e	15' 3" e	12' 5" e	17' 7" i	14' 9" a	11' 1" a
1200S250-68	50	18' 2" e	15' 9" e	12' 10" e	18' 2" a	15' 1" a	11' 3" a	18' 2" e	15' 9" e	12' 10" e	18' 2" a	15' 1" a	11' 3" a
1200S162-97	50	21' 1"	18' 4"	15' 0" e	21' 3" i	18' 4" i	15' 0" i	19' 2"	17' 5"	15' 0" e	21' 3" i	18' 4" i	15' 0" i
1200S200-97	50	21' 11"	19' 7"	16' 0" e	22' 8" i	19' 7" i	16' 0" i	19' 11"	18' 1"	15' 10" e	22' 4" i	19' 7" i	16' 0" i
1200S250-97	50	22' 9"	20' 3"	16' 7" e	23' 5" i	20' 3" i	16' 7" i	20' 8"	18' 10"	16' 5" e	23' 3" i	20' 3" i	16' 7" i
1400S200-54	50	14' 3" e	10' 8" e	7' 2" e	11' 3" a	8' 7" a	5' 3" a	14' 3" e	10' 8" e	7' 2" e	11' 3" a	8' 7" a	5' 3" a
1400S250-54	50	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a
1400S300-54	50	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a
1400S350-54	50	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a	14' 3" e	10' 8" e	7' 2" e	11' 5" a	8' 7" a	5' 8" a
1400S200-68	50	18' 9" e	16' 3" e	13' 3" e	17' 8" a	14' 4" a	10' 7" a	18' 9" e	16' 3" e	13' 3" e	17' 8" a	14' 4" a	10' 7" a
1400S250-68	50	19' 6" e	16' 10" e	13' 9" e	18' 0" a	14' 7" a	10' 9" a	19' 6" e	16' 10" e	13' 9" e	18' 0" a	14' 7" a	10' 9" a
1400S300-68	50	19' 11" e	17' 3" e	14' 1" e	18' 3" a	14' 9" a	10' 10" a	19' 11" e	17' 3" e	14' 1" e	18' 3" a	14' 9" a	10' 10" a
1400S350-68	50	22' 3" e	19' 3" e	14' 4" e	19' 4" a	15' 7" a	11' 4" a	22' 3" e	19' 3" e	14' 4" e	19' 4" a	15' 7" a	11' 4" a
1400S200-97	50	24' 5"	21' 1" e	17' 3" e	24' 5" i	21' 1" i	17' 3" a	22' 6"	20' 6"	17' 3" e	24' 5" i	21' 1" i	17' 3" a
1400S250-97	50	25' 3"	21' 11" e	17' 10" e	25' 3" i	21' 11" i	17' 10" a	23' 4"	21' 3" e	17' 10" e	25' 3" i	21' 11" i	17' 10" a
1400S300-97	50	25' 10"	22' 5" e	18' 3" e	25' 10" i	22' 5" i	18' 3" a	24' 1"	21' 11" e	18' 3" e	25' 10" i	22' 5" i	18' 3" a
1400S350-97	50	28' 0" e	24' 8" e	20' 2" e	28' 6" i	24' 8" i	20' 2" a	25' 5"	23' 1" e	20' 2" e	28' 6" i	24' 8" i	20' 2" a

See Allowable Floor Joist Span Table Notes

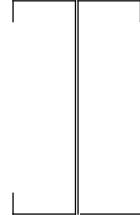
Header Load Tables

Header Load Table Notes

1. Calculated properties are based on AISI S100-07 with S2-10 Supplement, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Allowable deflection limit is L/360.
3. Allowable capacities have not been modified for wind or earthquake loading.
4. Headers are made from two "boxed" or back-to-back members.
4. Allowable moment, shear, and web crippling capacities are based on twice the capacity of a single member. The moment of inertia is based on twice the value of the single member.
5. Minimum bearing length for web crippling = 1-inch
6. Capacities are calculated for unpunched members only.
7. Members are assumed adequately braced for bending.
8. Allowable loads are for simply supported headers with uniform bending loads only.
9. "e" Web stiffeners are required at each support.



Boxed Header



Back-to-Back Header

Header Allowable Uniform Loads (lb/ft)

Section	Yield, F_y ksi	SPAN					
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)
600S162-33	33	851 e	638 e	510 e	423 e	238 e	152 e
600S200-33	33	851 e	638 e	510 e	425 e	256 e	164 e
600S162-43	33	1888 e	1390 e	890 e	618 e	348 e	202 e
600S200-43	33	1888 e	1416 e	920 e	639 e	359 e	230 e
600S250-43	33	1888 e	1416 e	967 e	672 e	378 e	242 e
600S162-54	33	3136 e	1764 e	1129 e	784 e	441 e	250 e
600S162-54	50	3012 e	1694 e	1084 e	753 e	424 e	250 e
600S200-54	33	3566 e	2006 e	1284 e	891 e	501 e	290 e
600S200-54	50	3764 e	2533 e	1621 e	1126 e	567 e	290 e
600S250-54	33	3392 e	1908 e	1221 e	848 e	477 e	305 e
600S250-54	50	3764 e	2667 e	1707 e	1185 e	643 e	329 e
600S162-68	33	3969 e	2232 e	1429 e	992 e	558 e	308 e
600S162-68	50	5847 e	3289 e	2105 e	1426 e	602 e	308 e
600S200-68	33	4507 e	2535 e	1622 e	1127 e	634 e	358 e
600S200-68	50	6476 e	3642 e	2331 e	1619 e	700 e	358 e
600S250-68	33	4862 e	2735 e	1750 e	1216 e	684 e	413 e
600S250-68	50	6147 e	3458 e	2213 e	1537 e	806 e	413 e
600S162-97	33	5684 e	3198 e	2046 e	1421 e	799 e	419
600S162-97	50	8404 e	4728 e	3026 e	1942 e	819	419
600S200-97	33	6443 e	3624 e	2319 e	1611 e	906 e	491 e
600S200-97	50	9560 e	5378 e	3442 e	2271 e	958 e	491 e
600S250-97	33	7231 e	4068 e	2603 e	1808 e	1017 e	568 e
600S250-97	50	10279 e	5782 e	3700 e	2570 e	1109 e	568 e

Header Load Tables

Header Allowable Uniform Loads (lb/ft)

Section	Yield, F_y , ksi	SPAN					
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)
800S162-33	33	632 e	474 e	379 e	316 e	237 e	187 e
800S200-33	33	632 e	474 e	379 e	316 e	237 e	190 e
800S162-43	33	1402 e	1051 e	841 e	701 e	420 e	269 e
800S200-43	33	1402 e	1051 e	841 e	701 e	526 e	341 e
800S250-43	33	1402 e	1051 e	841 e	701 e	526 e	346 e
800S162-54	33	2788 e	2091 e	1406 e	976 e	549 e	351 e
800S162-54	50	2788 e	2091 e	1673 e	1363 e	767 e	489 e
800S200-54	33	2788 e	2091 e	1673 e	1324 e	745 e	477 e
800S200-54	50	2788 e	2091 e	1673 e	1394 e	935 e	574 e
800S250-54	33	2788 e	2091 e	1673 e	1253 e	705 e	451 e
800S250-54	50	2788 e	2091 e	1673 e	1394 e	951 e	609 e
800S162-68	33	5085 e	2860 e	1831 e	1271 e	715 e	458 e
800S162-68	50	5628 e	4150 e	2656 e	1845 e	1038 e	618 e
800S200-68	33	5628 e	3774 e	2415 e	1677 e	944 e	604 e
800S200-68	50	5628 e	4221 e	3377 e	2415 e	1359 e	712 e
800S250-68	33	5628 e	4028 e	2578 e	1790 e	1007 e	644 e
800S250-68	50	5628 e	4221 e	3288 e	2283 e	1284 e	808 e
800S162-97	33	8633 e	4856 e	3108 e	2158 e	1214 e	777 e
800S162-97	50	10772 e	6059 e	3878 e	2693 e	1515 e	849 e
800S200-97	33	9647 e	5427 e	3473 e	2412 e	1357 e	868 e
800S200-97	50	14316 e	8052 e	5154 e	3579 e	1913 e	979 e
800S250-97	33	10677 e	6006 e	3844 e	2669 e	1501 e	961 e
800S250-97	50	14514 e	8558 e	5477 e	3804 e	2140 e	1118 e
1000S200-43	33	1115 e	836 e	669 e	557 e	418 e	334 e
1000S250-43	33	1115 e	836 e	669 e	557 e	418 e	334 e
1000S162-54	33	2214 e	1661 e	1329 e	1107 e	709 e	454 e
1000S162-54	50	2214 e	1661 e	1329 e	1107 e	830 e	628 e
1000S200-54	33	2214 e	1661 e	1329 e	1107 e	817 e	523 e
1000S200-54	50	2214 e	1661 e	1329 e	1107 e	830 e	664 e
1000S250-54	33	2214 e	1661 e	1329 e	1107 e	830 e	600 e
1000S250-54	50	2214 e	1661 e	1329 e	1107 e	830 e	664 e
1000S137-68	33	4460 e	3341 e	2138 e	1485 e	835 e	535 e
1000S137-68	50	4460 e	3345 e	2676 e	2116 e	1190 e	762 e
1000S162-68	33	4460 e	3345 e	2399 e	1666 e	937 e	600 e
1000S162-68	50	4460 e	3345 e	2676 e	2230 e	1344 e	860 e
1000S200-68	33	4460 e	3345 e	2676 e	1908 e	1073 e	687 e
1000S200-68	50	4460 e	3345 e	2676 e	2230 e	1510 e	966 e
1000S250-68	33	4460 e	3345 e	2676 e	2230 e	1374 e	879 e
1000S250-68	50	4460 e	3345 e	2676 e	2230 e	1673 e	1105 e
1000S137-97	33	8896 e	5004 e	3202 e	2224 e	1251 e	801 e
1000S137-97	50	12938 e	7278 e	4658 e	3234 e	1819 e	1164 e
1000S162-97	33	9935 e	5588 e	3576 e	2484 e	1397 e	894 e
1000S162-97	50	13151 e	8158 e	5221 e	3626 e	2039 e	1305 e
1000S200-97	33	11322 e	6368 e	4076 e	2830 e	1592 e	1019 e
1000S200-97	50	13151 e	9334 e	5974 e	4148 e	2333 e	1493 e
1000S250-97	33	11791 e	8201 e	5249 e	3645 e	2050 e	1312 e
1000S250-97	50	13151 e	9864 e	7500 e	5209 e	2930 e	1875 e
							1104 e

See Header Load Table Notes

Header Load Tables

Header Allowable Uniform Loads (lb/ft)

Section	Yield, F_y , ksi	SPAN						
		3 (ft)	4 (ft)	5 (ft)	6 (ft)	8 (ft)	10 (ft)	12 (ft)
1200S162-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e	386 e
1200S162-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e	459 e
1200S200-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e	444 e
1200S200-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e	459 e
1200S250-54	33	1836 e	1377 e	1102 e	918 e	689 e	551 e	454 e
1200S250-54	50	1836 e	1377 e	1102 e	918 e	689 e	551 e	459 e
1200S137-68	33	3694 e	2771 e	2217 e	1843 e	1037 e	664 e	461 e
1200S137-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	937 e	651 e
1200S162-68	33	3694 e	2771 e	2217 e	1847 e	1160 e	742 e	515 e
1200S162-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	1056 e	733 e
1200S200-68	33	3694 e	2771 e	2217 e	1847 e	1324 e	847 e	588 e
1200S200-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	1108 e	821 e
1200S250-68	33	3694 e	2771 e	2217 e	1847 e	1385 e	921 e	640 e
1200S250-68	50	3694 e	2771 e	2217 e	1847 e	1385 e	1108 e	834 e
1200S137-97	33	10863 e	6421 e	4109 e	2854 e	1605 e	1027 e	713 e
1200S137-97	50	10863 e	8147 e	5854 e	4065 e	2287 e	1463 e	1016 e
1200S162-97	33	10863 e	7126 e	4561 e	3167 e	1781 e	1140 e	792 e
1200S162-97	50	10863 e	8147 e	6518 e	4537 e	2552 e	1633 e	1134 e
1200S200-97	33	10863 e	8068 e	5163 e	3586 e	2017 e	1291 e	896 e
1200S200-97	50	10863 e	8147 e	6518 e	5167 e	2907 e	1860 e	1292 e
1200S250-97	33	10863 e	8147 e	5792 e	4022 e	2263 e	1448 e	1006 e
1200S250-97	50	10863 e	8147 e	6518 e	5431 e	3142 e	2011 e	1397 e
1200S162-118	33	15685 e	8823 e	5646 e	3921 e	2206 e	1412 e	980 e
1200S162-118	50	19981 e	12896 e	8253 e	5731 e	3224 e	2063 e	1433 e
1200S200-118	33	17585 e	9976 e	6385 e	4434 e	2494 e	1596 e	1108 e
1200S200-118	50	19981 e	14634 e	9366 e	6504 e	3658 e	2341 e	1626 e
1200S250-118	33	17585 e	11178 e	7154 e	4968 e	2794 e	1788 e	1242 e
1200S250-118	50	19981 e	14986 e	10446 e	7254 e	4080 e	2611 e	1813 e
1200S300-118	33	17585 e	13189 e	8841 e	6139 e	3453 e	2210 e	1535 e
1200S300-118	50	19981 e	14986 e	11988 e	9025 e	5076 e	3249 e	2256 e
1200S350-118	33	17585 e	13189 e	10279 e	7139 e	4015 e	2570 e	1785 e
1200S350-118	50	19981 e	14986 e	11988 e	9990 e	5710 e	3654 e	2538 e
1400S200-54	33	1569 e	1177 e	941 e	784 e	588 e	471 e	392 e
1400S200-54	50	1569 e	1177 e	941 e	784 e	588 e	471 e	392 e
1400S250-54	33	1569 e	1177 e	941 e	784 e	588 e	471 e	392 e
1400S250-54	50	1569 e	1177 e	941 e	784 e	588 e	471 e	392 e
1400S300-54	33	1569 e	1177 e	941 e	784 e	588 e	471 e	392 e
1400S300-54	50	1569 e	1177 e	941 e	784 e	588 e	471 e	392 e
1400S350-54	33	1569 e	1177 e	941 e	784 e	588 e	471 e	392 e
1400S350-54	50	1569 e	1177 e	941 e	784 e	588 e	471 e	392 e
1400S200-68	33	3153 e	2365 e	1892 e	1576 e	1182 e	946 e	700 e
1400S200-68	50	3153 e	2365 e	1892 e	1576 e	1182 e	946 e	788 e
1400S250-68	33	3153 e	2365 e	1892 e	1576 e	1182 e	946 e	758 e
1400S250-68	50	3153 e	2365 e	1892 e	1576 e	1182 e	946 e	788 e
1400S300-68	33	3153 e	2365 e	1892 e	1576 e	1182 e	946 e	775 e
1400S300-68	50	3153 e	2365 e	1892 e	1576 e	1182 e	946 e	788 e
1400S350-68	33	3153 e	2365 e	1892 e	1576 e	1182 e	946 e	788 e
1400S350-68	50	3153 e	2365 e	1892 e	1576 e	1182 e	946 e	788 e
1400S200-97	33	9252 e	6939 e	5551 e	4331 e	2436 e	1559 e	1083 e
1400S200-97	50	9252 e	6939 e	5551 e	4626 e	3470 e	2228 e	1547 e
1400S250-97	33	9252 e	6939 e	5551 e	4626 e	2722 e	1742 e	1210 e
1400S250-97	50	9252 e	6939 e	5551 e	4626 e	3470 e	2399 e	1666 e
1400S300-97	33	9252 e	6939 e	5551 e	4626 e	2896 e	1854 e	1287 e
1400S300-97	50	9252 e	6939 e	5551 e	4626 e	3470 e	2544 e	1767 e
1400S350-97	33	9252 e	6939 e	5551 e	4626 e	3470 e	2548 e	1769 e
1400S350-97	50	9252 e	6939 e	5551 e	4626 e	3470 e	2776 e	2270 e

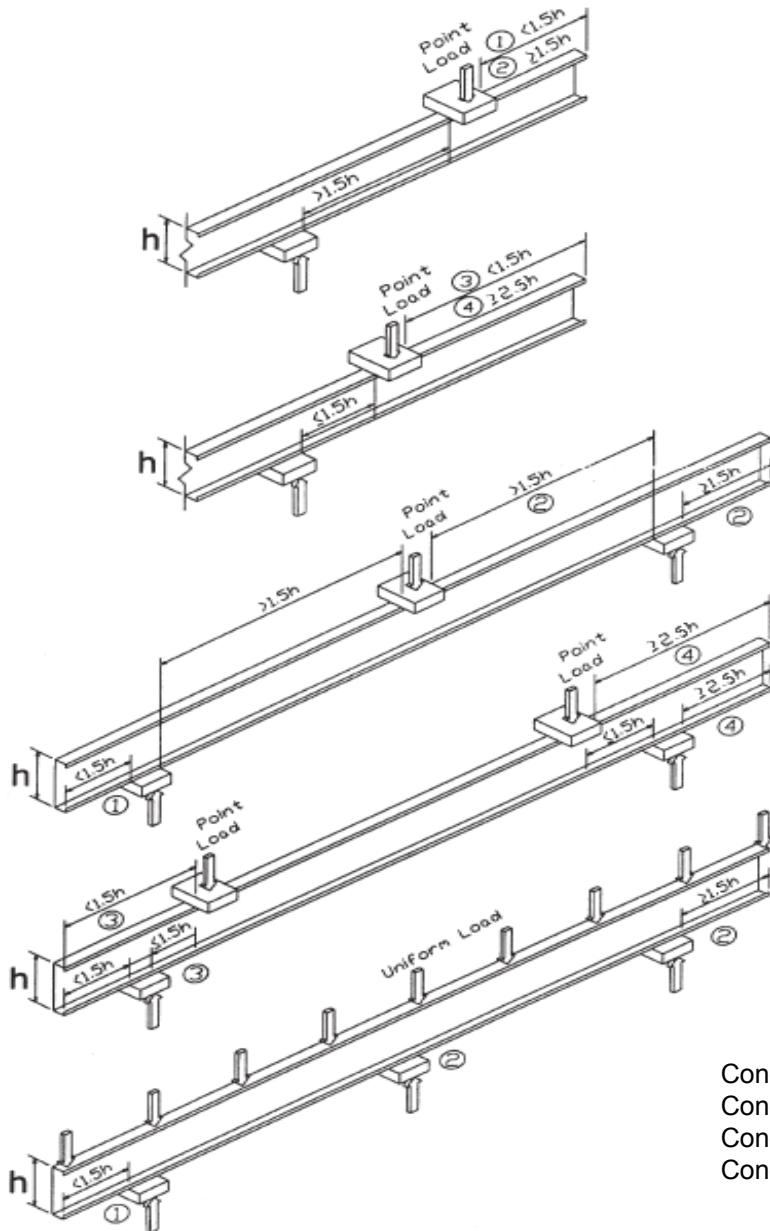
See Header Load Table Notes

Web Crippling Load Tables

Web Crippling Load Table Notes

1. All capacities listed are calculated using AISI S100-07 with S2-10 Supplement.
2. Web crippling capacities calculated are for studs with stiffened or partially stiffened flanges.
3. Tabulated web crippling capacities are for single members only. For multiple members, multiply the tabulated values by number of members in the assembly.
4. Listed allowable capacities are based on members 'fastened to supports', except back-to-back members under two-flange loading (condition 3 and 4) for which data for 'fastened to support' is unavailable in the AISI S100-07 with S2-10 Supplement specification.
5. Listed allowable capacities are for unpunched webs. Capacity reduction for end and interior one flange loading (conditions 1 and 2) near punchouts may be required per section C3.4.2 of S100.

Web Crippling Conditions



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

Web Crippling Load Tables

Allowable Web Crippling Loads (lbs) - Single Members

Member	Design Thickness	Inside Radius	Yield Str	Condition 1						Condition 2						Condition 3						Condition 4									
				1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6	1	3.5	4	6								
162S - 18	0.019	0.084	33	55	90	1	95	1.2	112	1.2	87	125	1	131	1.2	151	1.2	45	64	1	67	1.2	76	1.2	122	161	1	166	1.2	186	1.2
162S - 27	0.028	0.080	33	122	194	1	205	1	242	1.2	218	304	1	317	1	361	1.2	111	151	1	157	1	178	1.2	290	371	1	383	1	425	1.2
162S - 30	0.031	0.078	33	148	233	1	246	1	290	1	269	373	1	388	1	442	1	137	185	1	192	1	217	1	356	452	1	466	1	516	1
162S - 33	0.035	0.076	33	180	282	1	297	1	350	1	336	462	1	481	1	546	1	170	229	1	237	1	267	1	441	557	1	574	1	634	1
162S - 43	0.045	0.071	33	298	459	1	483	1	566	1	589	793	1	823	1	929	1	297	390	1	404	1	452	1	764	946	1	973	1	1067	1
162S - 54	0.057	0.085	33	447	678	1	712	1	832	1	904	1196	1	1239	1	1390	1	471	609	1	629	1	700	1	1203	1466	1	1506	1	1642	1
162S - 54	0.057	0.085	50	677	1027	1	1079	1	1260	1	1370	1812	1	1877	1	2105	1	714	922	1	953	1	1061	1	1823	2222	1	2281	1	2487	1
162S - 68	0.071	0.107	33	672	1004	1	1054	1	1225	1	1386	1802	1	1863	1	2077	1	750	952	1	982	1	1087	1	1901	2282	1	2339	1	2536	1
162S - 68	0.071	0.107	50	1019	1522	1	1596	1	1856	1	2100	2730	1	2823	1	3148	1	1136	1443	1	1488	1	1646	1	2860	3458	1	3544	1	3842	1
250S - 18	0.019	0.084	33	52	84	1	89	2	106	1.2	85	122	1	128	2	147	1.2	37	51	2	54	1	61	1.2	109	145	1	150	2	168	1.2
250S - 27	0.028	0.080	33	117	186	196	231	1.2	213	298	310	354	1.2	96	130	135	153	1.2	268	343	354	393	1.2	479	1	479	1	479	1	479	1
250S - 30	0.031	0.078	33	141	223	235	277	1	264	366	381	433	1	119	161	167	189	1	330	420	433	479	1	479	1	479	1	479	1		
250S - 33	0.035	0.076	33	173	271	285	336	1	330	453	472	535	1	150	201	209	235	1	411	519	535	591	1	591	1	591	1	591	1		
250S - 43	0.045	0.071	33	287	443	466	547	1	580	780	810	913	1	267	351	364	407	1	720	892	918	1006	1	1006	1	1006	1	1006	1		
250S - 54	0.057	0.085	33	433	657	690	806	1	891	1178	1221	1369	1	430	556	574	639	1	1142	1392	1429	1558	1	1558	1	1558	1	1558	1		
250S - 54	0.057	0.085	50	656	996	1046	1222	1	1350	1785	1850	2075	1	652	842	870	968	1	1730	2109	2165	2361	1	2361	1	2361	1	2361	1		
250S - 68	0.071	0.107	33	654	977	1024	1191	1	1368	1778	1839	2050	1	693	880	907	1004	1	1815	2179	2233	2421	1	2421	1	2421	1	2421	1		
250S - 68	0.071	0.107	50	990	1480	1552	1805	1	2073	2694	2786	3106	1	1049	1333	1375	1521	1	2750	3302	3384	3669	1	3669	1	3669	1	3669	1		
350S - 18	0.019	0.084	33	49	80	84	2	100	2	83	119	124	2	143	2	28	40	2	42	2	48	2	98	130	1	134	2	151	2		
350S - 27	0.028	0.080	33	112	177	187	221	2	209	292	304	347	2	81	111	115	130	2	247	316	327	362	2	362	2	362	2	362	2		
350S - 30	0.031	0.078	33	135	214	226	266	2	259	359	374	425	1	103	139	144	163	2	306	389	402	445	2	445	2	445	2	445	2		
350S - 33	0.035	0.076	33	166	260	274	323	2	324	445	463	526	1	131	175	182	205	2	384	484	499	551	2	551	2	551	2	551	2		
350S - 43	0.045	0.071	33	278	428	451	528	2	571	768	798	900	2	240	315	326	365	2	680	842	866	949	2	949	2	949	2	949	2		
350S - 54	0.057	0.085	33	420	638	670	783	2	879	1162	1204	1351	2	392	507	524	583	2	1066	1324	1359	1482	2	1482	2	1482	2	1482	2		
350S - 54	0.057	0.085	50	637	967	1016	1186	2	1331	1761	1825	2046	2	594	768	794	883	2	1645	2005	2059	2245	2	2245	2	2245	2	2245	2		
350S - 68	0.071	0.107	33	637	951	998	1160	2	1351	1756	1816	2025	2	640	813	839	928	2	1737	2085	2137	2317	2	2317	2	2317	2	2317	2		
350S - 68	0.071	0.107	50	965	1441	1512	1758	2	2047	2661	2752	3068	2	970	1232	1271	1406	2	2631	3159	3238	3510	2	3510	2	3510	2	3510	2		
350S - 97	0.097	0.102	33	1209	1760	1841	2126	2	2629	3328	3431	3792	2	1343	1663	1710	1876	2	3562	4184	4276	4597	2	4597	2	4597	2	4597	2		
350S - 97	0.102	0.153	33	1831	2666	2790	3221	2	3983	5042	5199	5745	2	2035	2520	2592	2842	2	5397	6339	6479	6966	2	6966	2	6966	2	6966	2		
362S - 18	0.019	0.084	33	49	79	84	2	99	2	82	119	124	2	143	2	27	39	2	46	2	97	128	133	149	2	149	2	149	2	149	2
362S - 27	0.028	0.080	33	111	177	186	220	2	209	291	303	346	2	80	108	113	127	2	245	313	324	359	2	359	2	359	2	359	2		
362S - 30	0.031	0.078	33	135	213	224	265	2	258	358	373	424	2	101	136	141	160	2	304	386	398	441	2	441	2	441	2	441	2		
362S - 33	0.035	0.076	33	165	259	273	322	2	323	444	462	525	2	129	173	179	202	2	381	480	495	547	2	547	2	547	2	547	2		
362S - 43	0.045	0.076	33	277	427	449	526	2	570	767	796	898	2	236	311	322	360	2	675	836	860	943	2	943	2	943	2	943	2		
362S - 54	0.057	0.085	33	419	636	668	780	2	877	1160	1202	1348	2	388	501	518	577	2	1079	1316	1351	1473	2	1473	2	1473	2	1473	2		
362S - 54	0.057	0.085	50	634	963	1012	1182	2	1329	1758	1822	2043	2	588	760	785	874	2	1635	1994	2047	2232	2	2232	2	2232	2	2232	2		
362S - 68	0.071	0.107	33	635	948	995	1157	2	1349	1754	1813	2022	2	635	806	831	920	2	1728	2074	2126	2305	2	2305	2	2305	2	2305	2		
362S - 68	0.071	0.107	50	962	1437	1507	1753	2	2044	2657	2748	3064	2	961	1221	1259	1393	2	2618	3143	3221	3492	2	3492	2	3492	2	3492	2		
400S - 27	0.028	0.080	33	109	174	183	217	2	207	289	301	344	2	75	102	106	120	2	238	305	315	349	2	349	2	349	2	349	2		
400S - 30	0.031	0.078	33	133	210	221	261	2	257	356	370	421	2	95	129	134	151	2	296	376	388	429	2	429	2	429	2	429	2		
400S - 33	0.035	0.076	33	163	256	266	309	2	322	442	460	502	2	122	164	170	192	2	372	469	483	534	2	534	2	534	2	534	2		
400S - 43	0.045	0.071	33	259	400	420	493	2	553	745	773	872	2	185	243	252	282	2	600	743	764	838	2	838	2	838	2	838	2		
400S - 54	0.057	0.085	33	395	600</td																										

Ceiling Span Tables

Ceiling Span Table Notes

- For unbraced sections, allowable moment is based on AISI S100-07 with S2-10 Supplement, section C3.1.2 with weak axis and torsional unbraced length assumed to be the listed span (completely unbraced). For mid-span braced sections, allowable moment based on AISI S100-07 Specification section C3.1.2 with weak axis and torsional unbraced length assumed to be one-half of the listed span (bracing at midspan).
- Web crippling calculation based on bearing length = 1 inch.
- Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near support members must be checked for reduced shear and web crippling in accordance with the AISI S100-07 with S2-10 Supplement.
- Values are for simple span conditions.

Allowable Ceiling Spans - Deflection Limit L/360

Section	Fy, ksi	4 psf						6 psf						13 psf					
		Lateral Support of Compression Flange			Lateral Support of Compression Flange			Lateral Support of Compression Flange			Lateral Support of Compression Flange			Unsupported		Midspan			
		Unsupported		Midspan	Unsupported		Midspan	Unsupported		Midspan	Unsupported		Midspan	Unsupported		Midspan			
Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24	Joist Spacing (in) o.c.	12	16	24
162S125-18	33	7' 2"	6' 6"	5' 8"	7' 2"	6' 6"	5' 8"	6' 3"	5' 8"	5' 0"	6' 3"	5' 8"	5' 0"	4' 10"	4' 5"	3' 9"	4' 10"	4' 5"	3' 10"
162S125-27	33	8' 5"	7' 8"	6' 8"	8' 5"	7' 8"	6' 8"	7' 4"	6' 8"	5' 10"	7' 4"	6' 8"	5' 10"	5' 8"	5' 2"	4' 6"	5' 8"	5' 2"	4' 6"
162S125-30	33	8' 8"	7' 11"	6' 11"	8' 8"	7' 11"	6' 11"	7' 7"	6' 11"	6' 0"	7' 7"	6' 11"	6' 0"	5' 10"	5' 4"	4' 8"	5' 10"	5' 4"	4' 8"
162S125-33	33	9' 0"	8' 2"	7' 1"	9' 0"	8' 2"	7' 1"	7' 10"	7' 1"	6' 3"	7' 10"	7' 1"	6' 3"	6' 1"	5' 6"	4' 10"	6' 1"	5' 6"	4' 10"
250S125-18	33	8' 5"	7' 9"	6' 11"	9' 11"	9' 0"	7' 10"	7' 6"	6' 11"	6' 2"	8' 8"	7' 10"	6' 11"	6' 0"	5' 6"	4' 10" e	6' 8"	6' 1" e	5' 4" e
250S125-27	33	9' 8"	8' 11"	8' 0"	11' 8"	10' 7"	9' 3"	8' 8"	8' 0"	7' 2"	10' 2"	9' 3"	8' 1"	7' 0"	6' 6"	5' 9"	7' 10"	7' 2"	6' 3"
250S125-30	33	10' 0"	9' 3"	8' 3"	12' 0"	10' 11"	9' 6"	9' 0"	8' 3"	7' 5"	10' 6"	9' 6"	8' 4"	7' 3"	6' 8"	6' 0"	8' 1"	7' 4"	6' 5"
250S125-33	33	10' 5"	9' 8"	8' 7"	12' 5"	11' 3"	9' 10"	9' 4"	8' 7"	7' 8"	10' 10"	9' 10"	8' 7"	7' 6"	6' 11"	6' 2"	8' 5"	7' 7"	6' 8"
250S125-43	33	11' 9"	10' 10"	9' 7"	13' 6"	12' 3"	10' 9"	10' 5"	9' 7"	8' 6"	11' 10"	10' 9"	9' 4"	8' 4"	7' 8"	6' 10"	9' 1"	8' 3"	7' 3"
250S162-33	33	13' 6"	12' 5"	10' 10"	13' 8"	12' 5"	10' 10"	12' 0"	10' 10"	9' 6"	12' 0"	10' 10"	9' 6"	9' 3"	8' 5"	7' 4"	9' 3"	8' 5"	7' 4"
250S162-43	33	14' 11"	13' 6"	11' 10"	14' 11"	13' 6"	11' 10"	13' 0"	11' 10"	10' 4"	13' 0"	11' 10"	10' 4"	10' 1"	9' 2"	8' 0"	10' 1"	9' 2"	8' 0"
350S125-18	33	9' 2"	8' 6"	7' 6"	12' 6"	11' 5"	9' 11"	8' 3"	7' 6"	6' 8"	11' 0"	9' 11"	8' 5" e	6' 6"	5' 11" e	5' 3" e	8' 2" e	7' 2" e	6' 0" e
350S125-27	33	10' 6"	9' 9"	8' 9"	14' 11"	13' 8"	12' 0"	9' 5"	8' 9"	7' 9"	13' 2"	12' 0"	10' 5"	7' 7"	7' 0"	6' 4"	10' 2"	9' 3"	7' 10"
350S125-30	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 2"	12' 4"	9' 9"	9' 0"	8' 1"	13' 7"	12' 4"	10' 10"	7' 11"	7' 3"	6' 6"	10' 6"	9' 7"	8' 4"
350S125-33	33	11' 4"	10' 5"	9' 4"	16' 0"	14' 8"	12' 9"	10' 1"	9' 4"	8' 4"	14' 1"	12' 9"	11' 2"	8' 2"	7' 7"	6' 9"	10' 10"	9' 10"	8' 8"
350S125-43	33	12' 7"	11' 7"	10' 3"	17' 6"	15' 11"	13' 11"	11' 2"	10' 3"	9' 2"	15' 4"	13' 11"	12' 2"	9' 0"	8' 3"	7' 5"	11' 10"	10' 9"	9' 5"
350S162-33	33	14' 6"	13' 5"	12' 0"	17' 9"	16' 1"	14' 1"	13' 0"	12' 0"	10' 10"	15' 6"	14' 1"	12' 3"	10' 7"	9' 10"	8' 10"	11' 11"	10' 10"	9' 6"
350S162-43	33	16' 0"	14' 9"	13' 2"	19' 3"	17' 6"	15' 3"	14' 3"	13' 2"	11' 9"	16' 10"	15' 3"	13' 4"	11' 6"	10' 8"	9' 7"	13' 0"	11' 10"	10' 4"
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 8"	11' 7"	10' 0"	8' 3"	7' 7"	6' 9"	11' 2"	10' 0"	8' 7" e	6' 7"	6' 0" e	5' 4" e	8' 3" e	7' 4" e	6' 1" e
362S125-27	33	10' 8"	9' 10"	8' 10"	15' 0"	13' 11"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 1"	6' 4"	10' 5"	9' 4"	7' 11"
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 8"	9' 10"	9' 1"	8' 2"	13' 11"	12' 8"	11' 1"	8' 0"	7' 4"	6' 7"	10' 10"	9' 10"	8' 5"
362S125-33	33	11' 5"	10' 6"	9' 5"	16' 2"	14' 10"	13' 2"	10' 2"	9' 5"	8' 5"	14' 5"	13' 2"	11' 6"	8' 3"	7' 8"	6' 10"	11' 2"	10' 2"	8' 10"
362S125-43	33	12' 8"	11' 8"	10' 4"	17' 9"	16' 4"	14' 4"	11' 3"	10' 4"	9' 3"	15' 9"	14' 4"	12' 6"	9' 1"	8' 4"	7' 6"	12' 2"	11' 1"	9' 8"
362S162-33	33	14' 8"	13' 7"	12' 2"	18' 2"	16' 6"	14' 5"	13' 2"	12' 2"	10' 11"	15' 11"	14' 5"	12' 7"	10' 8"	9' 11"	8' 10"	12' 3"	11' 2"	9' 9"
362S162-43	33	16' 1"	14' 10"	13' 3"	19' 10"	18' 0"	15' 9"	14' 5"	13' 3"	11' 11"	17' 4"	15' 9"	13' 9"	11' 8"	10' 9"	9' 8"	13' 4"	12' 2"	10' 7"
400S125-18	33	9' 6"	8' 9"	7' 10"	13' 0"	11' 11"	10' 5"	8' 6"	7' 10"	6' 11"	11' 6"	10' 5"	8' 11" e	6' 9"	6' 2" e	5' 6" e	8' 8" e	7' 8" e	6' 5" e
400S125-27	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 3"	12' 9"	9' 9"	9' 0"	8' 1"	13' 10"	12' 9"	11' 2"	7' 11"	7' 4"	6' 6"	10' 10"	9' 9"	8' 4"
400S125-30	33	11' 3"	10' 5"	9' 4"	15' 11"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 10"
400S125-33	33	11' 9"	10' 10"	9' 8"	16' 7"	15' 3"	13' 8"	10' 6"	9' 8"	8' 8"	14' 9"	13' 8"	12' 3"	8' 6"	7' 10"	7' 0"	11' 11"	10' 11"	9' 5"
400S125-43	33	13' 0"	11' 11"	10' 8"	18' 2"	16' 9"	15' 0"	11' 7"	10' 8"	9' 6"	16' 3"	15' 0"	13' 5"	9' 4"	8' 7"	7' 8"	13' 1"	11' 11"	10' 5"
400S162-33	33	15' 0"	13' 11"	12' 5"	19' 8"	17' 10"	15' 7"	13' 5"	12' 5"	11' 2"	17' 2"	15' 7"	13' 7"	10' 11"	10' 2"	9' 1"	13' 3"	12' 0"	10' 6"
400S162-43	33	16' 6"	15' 3"	13' 8"	21' 4"	19' 5"	16' 11"	14' 9"	13' 8"	12' 2"	18' 8"	16' 11"	14' 10"	11' 11"	11' 0"	9' 11"	14' 5"	13' 1"	11' 5"
600S125-27	33	12' 5"	11' 6"	10' 4"	17' 10"	16' 6"	14' 9"	11' 2"	10' 4"	9' 4"	16' 0"	14' 9"	13' 2"	9' 2"	8' 6"	7' 7" e	12' 11"	11' 11" e	10' 4" e
600S125-30	33	12' 9"	11' 10"	10' 8"	18' 5"	17' 1"	15' 3"	11' 6"	10' 8"	9' 7"	16' 6"	15' 3"	13' 8"	9' 5"	8' 8"	7' 10"	13' 4"	12' 4"	10' 11" e
600S125-33	33	13' 2"	12' 2"	10' 11"	18' 11"	17' 7"	15' 10"	11' 10"	10' 11"	9' 10"	17' 0"	15' 10"	14' 2"	9' 8"	8' 11"	8' 1"	13' 10"	12' 9"	11' 5"
600S125-43	33	14' 5"	13' 4"	11' 11"	20' 6"	18' 11"	17' 0"	12' 11"	11' 11"	10' 8"	18' 4"	17' 0"	15' 3"	10' 5"	9' 8"	8' 8"	15' 0"	13' 11"	12' 6"
600S162-33	33	16' 11"	15' 8"	14' 1"	24' 5"	22' 8"	20' 5"	15' 2"	14' 1"	12' 8"	22' 0"	20' 5"	18' 5"	12' 5"	11' 6"	10' 5"	18' 0"	16' 6"	14' 5" e
600S162-43	33	18' 4"	17' 0"	15' 3"	26' 3"	24' 4"	21' 11"	16' 5"	15' 3"	13' 8"	23' 7"	21' 11"	19' 9"	13' 5"	12' 5"	11' 2"	19' 4"	17' 11"	15' 9"
800S162-33	33	18' 4"	17' 0"	15' 4"	26' 4"	24' 5"	21' 11"	16' 6"	15' 4"	13' 9"	23' 8"	21' 11"	19' 7" e	13' 6"	12' 6"	11' 2" e	19' 2" e	17' 9" e	15' 10" e
800S162-43	33	19' 10"	18' 5"	16' 6"	28' 6"	26' 6"	23' 10"	17' 10"	16' 6"	14' 10"	25' 8"	23' 10"	21' 5"	14' 6"	13' 6"	12' 2" e	20' 11"	19' 4"	17' 4"

*e" web stiffeners required at supports.

Ceiling Span Tables

Allowable Ceiling Spans - Deflection Limit L/240

Section		4 psf						6 psf						13 psf					
		Lateral Support of Compression Flange			Lateral Support of Compression Flange			Lateral Support of Compression Flange			Lateral Support of Compression Flange			Unsupported		Midspan			
		Unsupported		Midspan		Unsupported		Midspan		Unsupported		Midspan		Unsupported		Midspan			
Section	Fy, ksi	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
162S125-18	33	7' 3"	6' 7"	5' 10"	8' 3"	7' 5"	6' 6"	6' 5"	5' 10"	5' 1"	7' 2"	6' 6"	5' 8"	5' 0"	4' 5"	3' 9"	5' 7"	4' 10"	3' 11"
162S125-27	33	8' 7"	7' 11"	7' 1"	9' 8"	8' 9"	7' 8"	7' 8"	7' 1"	6' 3"	8' 5"	7' 8"	6' 8"	6' 1"	5' 6"	4' 9"	6' 6"	5' 11"	5' 2"
162S125-30	33	9' 0"	8' 3"	7' 4"	9' 11"	9' 0"	7' 11"	8' 0"	7' 4"	6' 6"	8' 8"	7' 11"	6' 11"	6' 5"	5' 10"	5' 0"	6' 9"	6' 1"	5' 4"
162S125-33	33	9' 5"	8' 8"	7' 8"	10' 3"	9' 4"	8' 2"	8' 4"	7' 8"	6' 10"	9' 0"	8' 2"	7' 1"	6' 8"	6' 1"	5' 4"	6' 11"	6' 4"	5' 6"
250S125-18	33	8' 5"	7' 9"	6' 11"	11' 4"	10' 4"	9' 0"	7' 6"	6' 11"	6' 2"	9' 11"	9' 0"	7' 9"	6' 0"	5' 6"	4' 10" e	7' 6"	6' 7" e	5' 6" e
250S125-27	33	9' 8"	8' 11"	8' 0"	13' 4"	12' 1"	10' 7"	8' 8"	8' 0"	7' 2"	11' 8"	10' 7"	9' 3"	7' 0"	6' 6"	5' 9"	9' 0"	8' 2"	6' 10"
250S125-30	33	10' 0"	9' 3"	8' 3"	13' 9"	12' 6"	10' 11"	9' 0"	8' 3"	7' 5"	12' 0"	10' 11"	9' 6"	7' 3"	6' 8"	6' 0"	9' 3"	8' 5"	7' 3"
250S125-33	33	10' 5"	9' 8"	8' 7"	14' 3"	12' 11"	11' 3"	9' 4"	8' 7"	7' 8"	12' 5"	11' 3"	9' 10"	7' 6"	6' 11"	6' 2"	9' 7"	8' 9"	7' 7"
250S125-43	33	11' 9"	10' 10"	9' 7"	15' 6"	14' 1"	12' 3"	10' 5"	9' 7"	8' 6"	13' 6"	12' 3"	10' 9"	8' 4"	7' 8"	6' 10"	10' 5"	9' 6"	8' 3"
250S162-33	33	13' 6"	12' 5"	11' 2"	15' 8"	14' 3"	12' 5"	12' 1"	11' 2"	10' 0"	13' 8"	12' 5"	10' 10"	9' 9"	9' 1"	8' 0"	10' 7"	9' 7"	8' 5"
250S162-43	33	14' 11"	13' 9"	12' 3"	17' 1"	15' 6"	13' 6"	13' 4"	12' 3"	10' 11"	14' 11"	13' 6"	11' 10"	10' 8"	9' 10"	8' 10"	11' 6"	10' 5"	9' 2"
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 8"	11' 7"	10' 0"	8' 3"	7' 7"	6' 9"	11' 2"	10' 0"	8' 7" e	6' 7"	6' 0" e	5' 4" e	8' 3" e	7' 4" e	6' 1" e
362S125-27	33	10' 8"	9' 10"	8' 10"	15' 0"	13' 11"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 1"	6' 4"	10' 6"	9' 4"	7' 11"
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 10"	9' 10"	9' 1"	8' 2"	13' 11"	12' 10"	11' 4"	8' 0"	7' 4"	6' 7"	11' 1"	9' 11"	8' 5"
362S125-33	33	11' 5"	10' 6"	9' 5"	16' 2"	14' 10"	13' 3"	10' 2"	9' 5"	8' 5"	14' 5"	13' 3"	11' 10"	8' 3"	7' 8"	6' 10"	11' 7"	10' 6"	9' 0"
362S125-43	33	12' 8"	11' 8"	10' 4"	17' 9"	16' 4"	14' 8"	11' 3"	10' 4"	9' 3"	15' 10"	14' 8"	13' 1"	9' 1"	8' 4"	7' 6"	12' 9"	11' 8"	10' 2"
362S162-33	33	14' 8"	13' 7"	12' 2"	20' 10"	18' 11"	16' 6"	13' 2"	12' 2"	10' 11"	18' 2"	16' 6"	14' 5"	10' 8"	9' 11"	8' 10"	14' 1"	12' 9"	11' 2"
362S162-43	33	16' 1"	14' 10"	13' 3"	22' 8"	20' 7"	18' 0"	14' 5"	13' 3"	11' 11"	19' 10"	18' 0"	15' 9"	11' 8"	10' 9"	9' 8"	15' 4"	13' 11"	12' 2"
400S125-18	33	9' 6"	8' 9"	7' 10"	13' 0"	11' 11"	10' 5"	8' 6"	7' 10"	6' 11"	11' 6"	10' 5"	8' 11" e	6' 9"	6' 2" e	5' 6" e	8' 8" e	7' 8" e	6' 5" e
400S125-27	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 3"	12' 9"	9' 9"	9' 0"	8' 1"	13' 10"	12' 9"	11' 2"	7' 11"	7' 4"	6' 6"	10' 10"	9' 9"	8' 4"
400S125-30	33	11' 3"	10' 5"	9' 4"	15' 11"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 10"
400S125-33	33	11' 9"	10' 10"	9' 8"	16' 7"	15' 3"	13' 8"	10' 6"	9' 8"	8' 8"	14' 9"	13' 8"	12' 3"	8' 6"	7' 10"	7' 0"	11' 11"	10' 11"	9' 5"
400S125-43	33	13' 0"	11' 11"	10' 8"	18' 2"	16' 9"	15' 0"	11' 7"	10' 8"	9' 6"	16' 3"	15' 0"	13' 5"	9' 4"	8' 7"	7' 8"	13' 1"	12' 1"	10' 7"
400S162-33	33	15' 0"	13' 11"	12' 5"	21' 5"	19' 10"	17' 9"	13' 5"	12' 5"	11' 2"	19' 3"	17' 9"	15' 7"	10' 11"	10' 2"	9' 1"	15' 2"	13' 9"	11' 9"
400S162-43	33	16' 6"	15' 3"	13' 8"	23' 4"	21' 7"	19' 4"	14' 9"	13' 8"	12' 2"	20' 11"	19' 4"	16' 11"	11' 11"	11' 0"	9' 11"	16' 6"	15' 0"	13' 1"
600S125-27	33	12' 5"	11' 6"	10' 4"	17' 10"	16' 6"	14' 9"	11' 2"	10' 4"	9' 4"	16' 0"	14' 9"	13' 2"	9' 2"	8' 6"	7' 7" e	12' 11"	11' 11" e	10' 4" e
600S125-30	33	12' 9"	11' 10"	10' 8"	18' 5"	17' 1"	15' 3"	11' 6"	10' 8"	9' 7"	16' 6"	15' 3"	13' 8"	9' 5"	8' 8"	7' 10"	13' 4"	12' 4"	10' 11" e
600S125-33	33	13' 2"	12' 2"	10' 11"	18' 11"	17' 7"	15' 10"	11' 10"	10' 11"	9' 10"	17' 0"	15' 10"	14' 2"	9' 8"	8' 11"	8' 1"	13' 10"	12' 9"	11' 5"
600S125-43	33	14' 5"	13' 4"	11' 11"	20' 6"	18' 11"	17' 0"	12' 11"	11' 11"	10' 8"	18' 4"	17' 0"	15' 3"	10' 5"	9' 8"	8' 8"	15' 0"	13' 11"	12' 6"
600S162-33	33	16' 11"	15' 8"	14' 1"	24' 5"	22' 8"	20' 5"	15' 2"	14' 1"	12' 8"	22' 0"	20' 5"	18' 5"	12' 5"	11' 6"	10' 5"	18' 0"	16' 9"	14' 9" e
600S162-43	33	18' 4"	17' 0"	15' 3"	26' 3"	24' 4"	21' 11"	16' 5"	15' 3"	13' 8"	23' 7"	21' 11"	19' 9"	13' 5"	12' 5"	11' 2"	19' 4"	17' 11"	16' 0"
800S162-33	33	18' 4"	17' 0"	15' 4"	26' 4"	24' 5"	21' 11"	16' 6"	15' 4"	13' 9"	23' 8"	21' 11"	19' 7" e	13' 6"	12' 6"	11' 2" e	19' 2" e	17' 9" e	15' 10" e
800S162-43	33	19' 10"	18' 5"	16' 6"	28' 6"	26' 6"	23' 10"	17' 10"	16' 6"	14' 10"	25' 8"	23' 10"	21' 5"	14' 6"	13' 6"	12' 2" e	20' 11"	19' 4"	17' 4"

*e= web stiffeners required at supports.

See Ceiling Span Table Notes.

Ceiling Span Tables

Allowable Ceiling Spans - Deflection Limit L/120

Section	Fy, ksi	4 psf						6 psf						13 psf						
		Lateral Support of Compression Flange			Lateral Support of Compression Flange			Lateral Support of Compression Flange			Lateral Support of Compression Flange			Lateral Support of Compression Flange			Lateral Support of Compression Flange			
		Unsupported		Midspan	12	16	24	12	16	24										
12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
162S125-18	33	7' 3"	6' 7"	5' 10"	9' 4"	8' 3"	6' 11"	6' 5"	5' 10"	5' 1"	7' 11"	6' 11"	5' 9"	5' 0"	4' 5"	3' 9"	5' 7"	4' 10"	3' 11"	
162S125-27	33	8' 7"	7' 11"	7' 1"	11' 7"	10' 5"	8' 10"	7' 8"	7' 1"	6' 3"	9' 11"	8' 10"	7' 5"	6' 1"	5' 6"	4' 9"	7' 2"	6' 3"	5' 2"	
162S125-30	33	9' 0"	8' 3"	7' 4"	12' 3"	11' 0"	9' 4"	8' 0"	7' 4"	6' 6"	10' 6"	9' 4"	7' 10"	6' 5"	5' 10"	5' 0"	7' 7"	6' 8"	5' 6"	
162S125-33	33	9' 5"	8' 8"	7' 8"	12' 11"	11' 8"	9' 11"	8' 4"	7' 8"	6' 10"	11' 2"	9' 11"	8' 4"	6' 8"	6' 1"	5' 4"	8' 1"	7' 1"	5' 11"	
250S125-18	33	8' 5"	7' 9"	6' 11"	11' 7"	10' 7"	9' 1"	7' 6"	6' 11"	6' 2"	10' 2"	9' 1"	7' 9"	6' 0"	5' 6"	4' 10" e	7' 6"	6' 7" e	5' 6" e	
250S125-27	33	9' 8"	8' 11"	8' 0"	13' 8"	12' 7"	11' 0"	8' 8"	8' 0"	7' 2"	12' 2"	11' 0"	9' 6"	7' 0"	6' 6"	5' 9"	9' 2"	8' 2"	6' 10"	
250S125-30	33	10' 0"	9' 3"	8' 3"	14' 2"	13' 1"	11' 6"	9' 0"	8' 3"	7' 5"	12' 8"	11' 6"	9' 11"	7' 3"	6' 8"	6' 0"	9' 8"	8' 7"	7' 3"	
250S125-33	33	10' 5"	9' 8"	8' 7"	14' 8"	13' 6"	12' 1"	9' 4"	8' 7"	7' 8"	13' 1"	12' 1"	10' 6"	7' 6"	6' 11"	6' 2"	10' 2"	9' 1"	7' 8"	
250S125-43	33	11' 9"	10' 10"	9' 7"	16' 3"	15' 0"	13' 3"	10' 5"	9' 7"	8' 6"	14' 6"	13' 3"	11' 8"	8' 4"	7' 8"	6' 10"	11' 4"	10' 3"	8' 9"	
250S162-33	33	13' 6"	12' 5"	11' 2"	19' 2"	17' 7"	15' 4"	12' 1"	11' 2"	10' 0"	16' 11"	15' 4"	13' 2"	9' 9"	9' 1"	8' 0"	12' 9"	11' 3"	9' 5"	
250S162-43	33	14' 11"	13' 9"	12' 3"	20' 11"	19' 3"	16' 11"	13' 4"	12' 3"	10' 11"	18' 7"	16' 11"	14' 7"	10' 8"	9' 10"	8' 10"	14' 2"	12' 8"	10' 9"	
350S125-18	33	9' 2"	8' 6"	7' 6"	12' 6"	11' 5"	9' 11"	8' 3"	7' 6"	6' 8"	11' 0"	9' 11"	8' 5" e	6' 6"	5' 11" e	5' 3" e	8' 2" e	7' 2" e	6' 0" e	
350S125-27	33	10' 6"	9' 9"	8' 9"	14' 11"	13' 9"	12' 3"	9' 5"	8' 9"	7' 9"	13' 4"	12' 3"	10' 8"	7' 7"	7' 0"	6' 4"	10' 4"	9' 3"	7' 10"	
350S125-30	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 2"	12' 9"	9' 9"	9' 0"	8' 1"	13' 9"	12' 9"	11' 3"	7' 11"	7' 3"	6' 6"	10' 11"	9' 9"	8' 4"	
350S125-33	33	11' 4"	10' 5"	9' 4"	16' 0"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 6"	10' 5"	8' 10"	
350S125-43	33	12' 7"	11' 7"	10' 3"	17' 7"	16' 2"	14' 6"	11' 2"	10' 3"	9' 2"	15' 8"	14' 6"	12' 11"	9' 0"	8' 3"	7' 5"	12' 7"	11' 6"	10' 1"	
362S125-18	33	9' 3"	8' 7"	7' 7"	12' 8"	11' 7"	10' 0"	8' 3"	7' 7"	6' 9"	11' 2"	10' 0"	8' 7" e	6' 7"	6' 0" e	5' 4" e	8' 3" e	7' 4" e	6' 1" e	
362S125-27	33	10' 8"	9' 10"	8' 10"	15' 0"	13' 11"	12' 4"	9' 6"	8' 10"	7' 10"	13' 5"	12' 4"	10' 9"	7' 8"	7' 1"	6' 4"	10' 6"	9' 4"	7' 11"	
362S125-30	33	11' 0"	10' 2"	9' 1"	15' 6"	14' 4"	12' 10"	9' 10"	9' 1"	8' 2"	13' 11"	12' 10"	11' 4"	8' 0"	7' 4"	6' 7"	11' 1"	9' 11"	8' 5"	
362S125-33	33	11' 5"	10' 6"	9' 5"	16' 2"	14' 10"	13' 3"	10' 2"	9' 5"	8' 5"	14' 5"	13' 3"	11' 10"	8' 3"	7' 8"	6' 10"	11' 7"	10' 6"	9' 0"	
362S125-43	33	12' 8"	11' 8"	10' 4"	17' 9"	16' 4"	14' 8"	11' 3"	10' 4"	9' 3"	15' 10"	14' 8"	13' 1"	9' 1"	8' 4"	7' 6"	12' 9"	11' 8"	10' 2"	
362S162-33	33	14' 8"	13' 7"	12' 2"	20' 11"	19' 4"	17' 4"	13' 2"	12' 2"	10' 11"	18' 9"	17' 4"	15' 2"	10' 8"	9' 11"	8' 10"	14' 9"	13' 3"	11' 3"	
362S162-43	33	16' 1"	14' 10"	13' 3"	22' 10"	21' 1"	18' 10"	14' 5"	13' 3"	11' 11"	20' 5"	18' 10"	16' 9"	11' 8"	10' 9"	9' 8"	16' 4"	14' 9"	12' 8"	
400S125-18	33	9' 6"	8' 9"	7' 10"	13' 0"	11' 11"	10' 5"	8' 6"	7' 10"	6' 11"	11' 6"	10' 5"	8' 11" e	6' 9"	6' 2" e	5' 6" e	8' 8" e	7' 8" e	6' 5" e	
400S125-27	33	10' 11"	10' 1"	9' 0"	15' 5"	14' 3"	12' 9"	9' 9"	9' 0"	8' 1"	13' 10"	12' 9"	11' 2"	7' 11"	7' 4"	6' 6"	10' 10"	9' 9"	8' 4"	
400S125-30	33	11' 3"	10' 5"	9' 4"	15' 11"	14' 9"	13' 2"	10' 1"	9' 4"	8' 4"	14' 3"	13' 2"	11' 9"	8' 2"	7' 7"	6' 9"	11' 5"	10' 4"	8' 10"	
400S125-33	33	11' 9"	10' 10"	9' 8"	16' 7"	15' 3"	13' 8"	10' 6"	9' 8"	8' 8"	14' 9"	13' 8"	12' 3"	8' 6"	7' 10"	7' 0"	11' 11"	10' 11"	9' 5"	
400S125-43	33	13' 0"	11' 11"	10' 8"	18' 2"	16' 9"	15' 0"	11' 7"	10' 8"	9' 6"	16' 3"	15' 0"	13' 5"	9' 4"	8' 7"	7' 8"	13' 1"	12' 1"	10' 7"	
400S162-33	33	15' 0"	13' 11"	12' 5"	21' 5"	19' 10"	17' 9"	13' 5"	12' 5"	11' 2"	19' 3"	17' 9"	15' 9"	10' 11"	10' 2"	9' 1"	15' 4"	13' 10"	11' 9"	
400S162-43	33	16' 6"	15' 3"	13' 8"	23' 4"	21' 7"	19' 4"	14' 9"	13' 8"	12' 2"	20' 11"	19' 4"	17' 3"	11' 11"	11' 0"	9' 11"	16' 10"	15' 4"	13' 3"	
600S125-27	33	12' 5"	11' 6"	10' 4"	17' 10"	16' 6"	14' 9"	11' 2"	10' 4"	9' 4"	16' 0"	14' 9"	13' 2"	9' 2"	8' 6"	7' 7" e	12' 11"	11' 11" e	10' 4" e	
600S125-30	33	12' 9"	11' 10"	10' 8"	18' 5"	17' 1"	15' 3"	11' 6"	10' 8"	9' 7"	16' 6"	15' 3"	13' 8"	9' 5"	8' 8"	7' 10"	13' 4"	12' 4"	10' 11" e	
600S125-33	33	13' 2"	12' 2"	10' 11"	18' 11"	17' 7"	15' 10"	11' 10"	10' 11"	9' 10"	17' 0"	15' 10"	14' 2"	9' 8"	8' 11"	8' 1"	13' 10"	12' 9"	11' 5"	
600S125-43	33	14' 5"	13' 4"	11' 11"	20' 6"	18' 11"	17' 0"	12' 11"	11' 11"	10' 8"	18' 4"	17' 0"	15' 3"	10' 5"	9' 8"	8' 8"	15' 0"	13' 11"	12' 6"	
600S162-33	33	16' 11"	15' 8"	14' 1"	24' 5"	22' 8"	20' 5"	15' 2"	14' 1"	12' 8"	22' 0"	20' 5"	18' 5"	12' 5"	11' 6"	10' 5"	18' 0"	16' 9"	14' 9" e	
600S162-43	33	18' 4"	17' 0"	15' 3"	26' 3"	24' 4"	21' 11"	16' 5"	15' 3"	13' 8"	23' 7"	21' 11"	19' 9"	13' 5"	12' 5"	11' 2"	19' 4"	17' 11"	16' 0"	
800S162-33	33	18' 4"	17' 0"	15' 4"	26' 4"	24' 5"	21' 11"	16' 6"	15' 4"	13' 9"	23' 8"	21' 11"	19' 7" e	13' 6"	12' 6"	11' 2" e	17' 9" e	15' 10" e		
800S162-43	33	19' 10"	18' 5"	16' 6"	28' 6"	26' 6"	23' 10"	17' 10"	16' 6"	14' 10"	25' 8"	23' 10"	21' 5"	14' 6"	13' 6"	12' 2"	20' 11"	19' 4"	17' 4"	

*e = web stiffeners required at supports.

See Ceiling Span Table Notes.

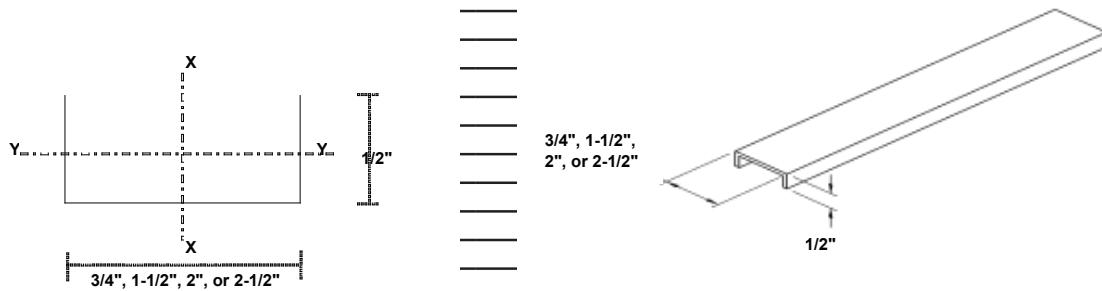
Channel Properties

U-Channel Section Properties

Section	Design Thickness (in)	Yield Strength, Fy (ksi)	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 _x (in ⁴)	S _x (in ³)	M _a (in-k)	V _a (lb)
075U050-54	0.057	33	0.087	0.296	0.007	0.289	0.002	0.156	0.007	0.019	0.459	315
150U050-54	0.057	33	0.130	0.441	0.039	0.549	0.003	0.146	0.039	0.052	1.230	840
200U050-54	0.057	33	0.158	0.537	0.080	0.711	0.003	0.137	0.080	0.080	1.883	1190
250U050-54	0.057	33	0.186	0.633	0.140	0.868	0.003	0.130	0.140	0.112	2.648	1540

1. Calculated properties are based on AISI S100-07 with S2-10 Supplement, North American Specification for Design of Cold-Formed Steel Structural Members.

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



U-Channel Allowable Ceiling Spans L/360

Section	Spans	4 psf					6 psf					13 psf					15 psf				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075U050-54	Single	3' 5"	3' 0"	2' 9"	2' 6"	2' 4"	3' 0"	2' 7"	2' 4"	2' 2"	2' 1"	2' 4"	2' 0"	1' 10"	1' 8"	1' 7"	2' 2"	1' 11"	1' 9"	1' 7"	1' 6"
	Multiple	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	3' 8"	3' 2"	2' 11"	2' 8"	2' 7"	2' 10"	2' 6"	2' 3"	2' 1"	1' 11"	2' 8"	2' 4"	2' 2"	2' 0"	1' 9"
150U050-54	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
200U050-54	Single	5' 10"	5' 1"	4' 8"	4' 4"	4' 1"	5' 1"	4' 6"	4' 1"	3' 10"	3' 7"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"	3' 10"	3' 4"	3' 1"	2' 10"	2' 8"
	Multiple	7' 5"	6' 6"	5' 11"	5' 6"	5' 2"	6' 6"	5' 8"	5' 2"	4' 10"	4' 7"	5' 1"	4' 5"	4' 0"	3' 9"	3' 6"	4' 10"	4' 3"	3' 10"	3' 7"	3' 2"
250U050-54	Single	6' 1"	5' 4"	4' 10"	4' 6"	4' 3"	5' 4"	4' 8"	4' 3"	4' 0"	3' 9"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"
	Multiple	7' 9"	6' 9"	6' 2"	5' 9"	5' 5"	6' 9"	5' 11"	5' 5"	5' 0"	4' 9"	5' 3"	4' 7"	4' 3"	3' 11"	3' 9"	5' 0"	4' 5"	4' 0"	3' 9"	3' 7"

U-Channel Allowable Ceiling Spans L/240

Section	Spans	4 psf					6 psf					13 psf					15 psf				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075U050-54	Single	3' 11"	3' 5"	3' 1"	2' 11"	2' 9"	3' 5"	3' 0"	2' 9"	2' 6"	2' 4"	2' 8"	2' 4"	2' 1"	1' 11"	1' 9"	2' 6"	2' 2"	2' 0"	1' 10"	1' 8"
	Multiple	4' 10"	4' 2"	3' 10"	3' 7"	3' 4"	4' 2"	3' 8"	3' 4"	3' 1"	2' 10"	3' 3"	2' 9"	2' 4"	2' 1"	1' 11"	3' 1"	2' 7"	2' 2"	2' 0"	1' 9"
150U050-54	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
200U050-54	Single	5' 10"	5' 1"	4' 8"	4' 4"	4' 1"	5' 1"	4' 6"	4' 1"	3' 10"	3' 7"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"	3' 10"	3' 4"	3' 1"	2' 10"	2' 8"
	Multiple	7' 5"	6' 6"	5' 11"	5' 6"	5' 2"	6' 6"	5' 8"	5' 2"	4' 10"	4' 7"	5' 1"	4' 5"	4' 0"	3' 9"	3' 6"	4' 10"	4' 3"	3' 10"	3' 7"	3' 2"
250U050-54	Single	6' 1"	5' 4"	4' 10"	4' 6"	4' 3"	5' 4"	4' 8"	4' 3"	4' 0"	3' 9"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"
	Multiple	7' 9"	6' 9"	6' 2"	5' 9"	5' 5"	6' 9"	5' 11"	5' 5"	5' 0"	4' 9"	5' 3"	4' 7"	4' 3"	3' 11"	3' 9"	5' 0"	4' 5"	4' 0"	3' 9"	3' 7"

U-Channel Allowable Ceiling Spans L/120

Section	Spans	4 psf					6 psf					13 psf					15 psf				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
075U050-54	Single	4' 10"	4' 1"	3' 7"	3' 3"	3' 0"	4' 1"	3' 5"	3' 0"	2' 9"	2' 6"	2' 11"	2' 5"	2' 2"	1' 11"	1' 9"	2' 9"	2' 4"	2' 0"	1' 10"	1' 8"
	Multiple	5' 5"	4' 6"	4' 2"	3' 10"	3' 5"	4' 6"	3' 11"	3' 5"	3' 2"	2' 11"	3' 5"	2' 9"	2' 4"	2' 1"	1' 11"	3' 1"	2' 7"	2' 2"	2' 0"	1' 9"
150U050-54	Single	5' 6"	4' 10"	4' 5"	4' 1"	3' 10"	4' 10"	4' 3"	3' 10"	3' 7"	3' 5"	3' 9"	3' 4"	3' 0"	2' 9"	2' 7"	3' 7"	3' 2"	2' 10"	2' 7"	2' 5"
	Multiple	7' 1"	6' 2"	5' 8"	5' 3"	4' 11"	6' 2"	5' 5"	4' 11"	4' 7"	4' 4"	4' 10"	4' 2"	3' 9"	3' 4"	3' 0"	4' 7"	4' 0"	3' 6"	3' 1"	2' 9"
200U050-54	Single	5' 10"	5' 1"	4' 8"	4' 4"	4' 1"	5' 1"	4' 6"	4' 1"	3' 10"	3' 7"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"	3' 10"	3' 4"	3' 1"	2' 10"	2' 8"
	Multiple	7' 5"	6' 6"	5' 11"	5' 6"	5' 2"	6' 6"	5' 8"	5' 2"	4' 10"	4' 7"	5' 1"	4' 5"	4' 0"	3' 9"	3' 6"	4' 10"	4' 3"	3' 10"	3' 7"	3' 2"
250U050-54	Single	6' 1"	5' 4"	4' 10"	4' 6"	4' 3"	5' 4"	4' 8"	4' 3"	4' 0"	3' 9"	4' 2"	3' 8"	3' 4"	3' 1"	2' 11"	4' 0"	3' 6"	3' 2"	3' 0"	2' 10"
	Multiple	7' 9"	6' 9"	6' 2"	5' 9"	5' 5"	6' 9"	5' 11"	5' 5"	5' 0"	4' 9"	5' 3"	4' 7"	4' 3"	3' 11"	3' 9"	5' 0"	4' 5"	4' 0"	3' 9"	3' 7"

1. Allowable ceiling spans are based on effective properties.

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

3. Bearing length = 0.75-inches.

4. Table values are based on the compression flange laterally unsupported.

Channel Properties

(Hat) Furring (F) Channel Section Properties

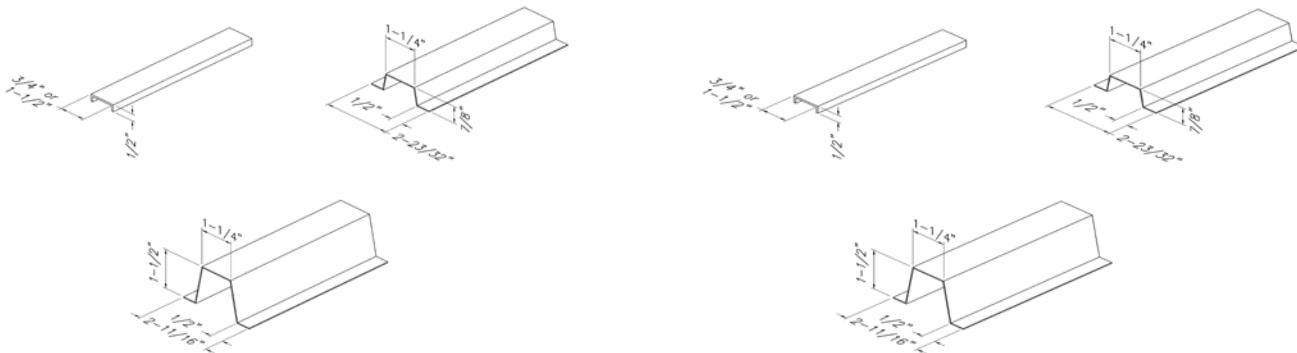
Section	Design Thickness (in)	Yield Strength, Fy (ksi)	Gross Properties						Effective Properties			
			Area (in²)	Weight (lb/ft)	Ix (in⁴)	Rx (in)	Iy (in⁴)	Ry (in)	Ix (in⁴)	Sx (in³)	Ma (ft-lb)	Va (lb)
087F125-18	0.019	33	0.072	0.244	0.009	0.354	0.035	0.698	0.008	0.016	26.61	255
087F125-27	0.028	33	0.107	0.365	0.013	0.351	0.051	0.693	0.013	0.027	45.20	381
087F125-30	0.031	33	0.118	0.401	0.014	0.350	0.056	0.691	0.014	0.031	50.98	420
087F125-33	0.035	33	0.130	0.443	0.016	0.349	0.062	0.689	0.016	0.034	56.23	464
087F125-43	0.045	33	0.168	0.572	0.020	0.345	0.079	0.684	0.020	0.043	71.00	599
150F125-18	0.019	33	0.095	0.324	0.031	0.572	0.052	0.742	0.029	0.034	56.73	261
150F125-27	0.028	33	0.143	0.485	0.046	0.569	0.077	0.737	0.046	0.057	94.22	390
150F125-30	0.031	33	0.157	0.534	0.051	0.568	0.085	0.735	0.050	0.064	105.92	429
150F125-33	0.035	33	0.174	0.590	0.056	0.566	0.093	0.733	0.056	0.071	117.31	474
150F125-43	0.045	33	0.225	0.764	0.071	0.563	0.119	0.728	0.071	0.091	149.70	613

1. Calculated properties are based on AISI S100-07 with S2-10, North American Specification for Design of Cold-Formed Steel Structural Members.

2. Minimum base metal thickness is 95% of design thickness. Design thickness used for determination of properties.

3. Effective properties are based on Fy=33ksi. For deflection calculations, use effective Ix. Effective Ix is based on Procedure 1 of NASPEC.

4. Effective properties are given as the minimum value for positive or negative bending.



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

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

1. Allowable ceiling spans are based on effective properties.

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

3. Bearing length = 0.75-inches.

Channel Properties

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

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

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

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

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

Fasteners (Screws and Welds)

Screw Table Notes

1. Allowable screw connection capacities are based on section E4 of the AISI S100-07 with S2-10 Supplement.
2. When connecting materials of different steel thicknesses or tensile strengths, use the lowest values.
3. Tabulated values assume two sheets of equal thickness are connected.
4. Screw shear and tension capacities were developed using published screw manufacturer data and evaluation reports available at the time of publication.
5. A nominal shear stress of 42.85ksi and a nominal tension stress of 40.84ksi was used for calculations based on screw manufacturer data.
6. Screw capacities are based on Allowable Strength Design (ASD) and include safety factor of 3.0.
7. When multiple fasteners are used, screws are assumed to have a center-to-center spacing of at least 3 times the nominal diameter (d).
8. 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.
9. Tension capacity is based on the lesser of pullout capacity in sheet closest to screw tip, or pullover capacity for sheet closest to screw head (using head diameter).
10. Note that for all tension values calculated in screw table, pullover values have been reduced by 50% assuming eccentrically loaded connections that produce a non uniform pullover force of the fastener.
11. Screw capacities are governed by a conservative estimate of screw capacity, not by sheet steel failure.
12. For higher screw capacities, especially for screw strength, use specific screws from specific manufacturer. See manufacturer's data for specific allowable values and installation instructions.

Allowable Screw Connection Capacity (Pounds per Screw)

Thickness (Mils)	Yield Strength, Fy (ksi)	Tensile Strength, Fu (ksi)	# 6 Screw (0.138" Dia, 1/4" Head)		# 8 Screw (0.164" Dia, 5/16" Head)		# 10 Screw (0.190" Dia, 0.340" Head)		# 12 Screw (0.216" Dia, 0.340" Head)		1/4" Screw (0.250" Dia, 0.409" Head)	
			Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension	Shear	Tension
18	33	33	44	24	48	29	52	33	55	38	60	44
27	33	33	82	37	89	43	96	50	102	57	110	66
30	33	33	95	40	103	48	111	55	118	63	127	73
33	33	45	151	61	164	72	177	84	188	95	203	110
43	33	45	214	79	244	94	263	109	280	124	302	144
54	33	45	214	100	303	118	370	137	394	156	424	180
54	50	65	214	123	303	171	406	198	525	225	613	261
68	33	45	214	123	303	149	406	173	525	196	600	227
68	50	65	214	123	303	173	406	232	525	284	704	328
97	33	45	214	123	303	173	406	232	525	280	704	324
97	50	65	214	123	303	173	406	232	525	300	704	403
118	33	45	214	123	303	173	406	232	525	300	704	396
118	50	65	214	123	303	173	406	232	525	300	704	403

Weld Table Notes

1. Allowable weld capacities are based on section E2.4 (for fillet welds) and E2.5 (for flare groove welds) of the AISI S100-07 with S2-10 Supplement.
2. When connecting materials of different steel thicknesses or tensile strengths, use the lowest values.
3. Weld capacities are based on Allowable Strength Design (ASD) and include appropriate safety factors.
4. Weld capacities are based on either 3/32" or 1/8" diameter E60 or E70 Electrodes. For thinner materials, 0.030" to 0.035" diameter wire electrodes may provide best results.
5. Parallel capacity is considered to be loading in the direction of the weld.
6. For flare groove welds, the effective throat of weld is conservatively assumed to be less than 2t.

Allowable Weld Capacity (Pounds) for 1-inch Long Welds

Thickness (Mils)	Design Thickness	Fy: Yield (ksi)	Fu: Tensile (ksi)	Fillet Welds		Flare Groove Welds	
				Parallel	Perpendicular	Parallel	Perpendicular
43	0.045	33	45	619	864	544	663
54	0.057	33	45	822	1084	682	832
54	0.057	50	65	1188	1566	985	1202
68	0.071	33	45	1082	1365	859	1048
68	0.071	50	65	1563	1972	1241	1514
97	0.102	33	45	1618	1947	1226	1495
97	0.102	50	65	2337	2813	1771	2159
118	0.124	33	45	Note-1	Note-1	Note-2	Note-2
118	0.124	50	65	Note-1	Note-1	Note-2	Note-2

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

Note-2: For flare groove welds, AISI S100 equation E2.5-4 must be checked for 118 mil material, or whenever the thickness of thinnest part is greater than 0.10-inch.

Typical Details

BLOCKING NOTE:

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

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

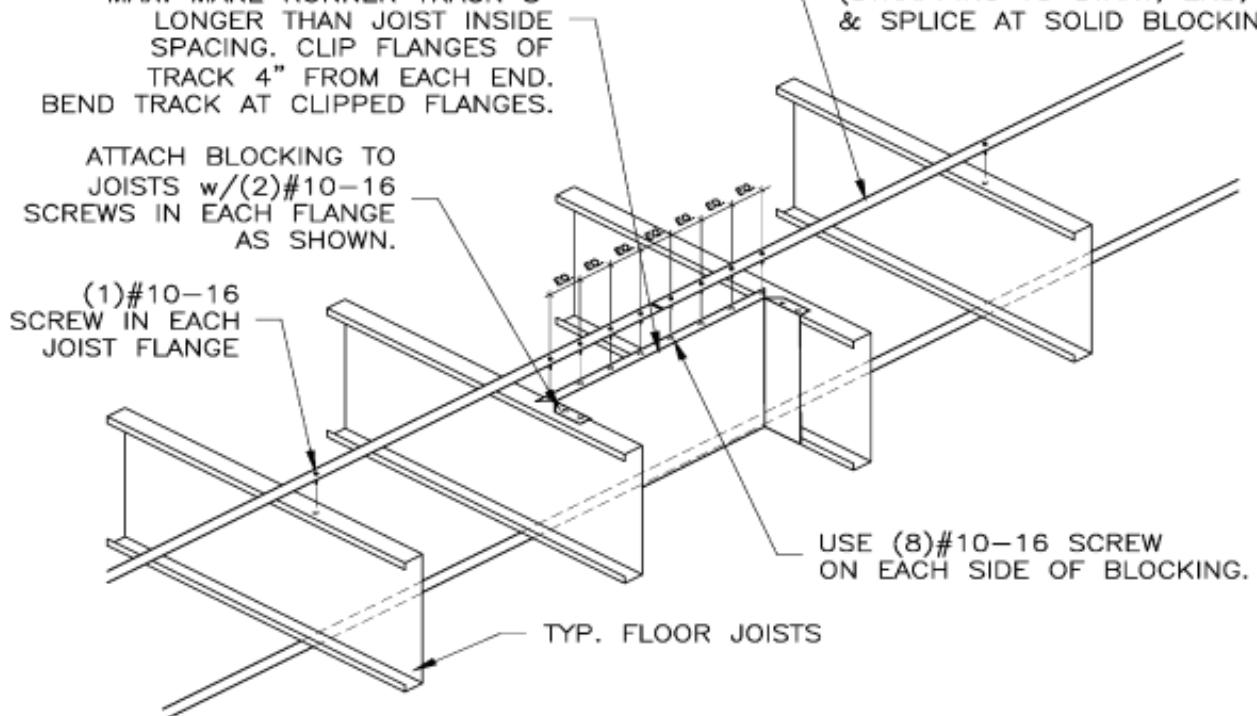
ATTACH BLOCKING TO
JOISTS w/(2) #10-16
SCREWS IN EACH FLANGE
AS SHOWN.

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

STRAP NOTE:

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

1-1/2" x 20 GA. STRAPPING
ON TOP & BOTTOM OF JOISTS.
(STRAPPING TO START, END,
& SPLICE AT SOLID BLOCKING)



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

JOIST BRIDGING

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

Typical Details

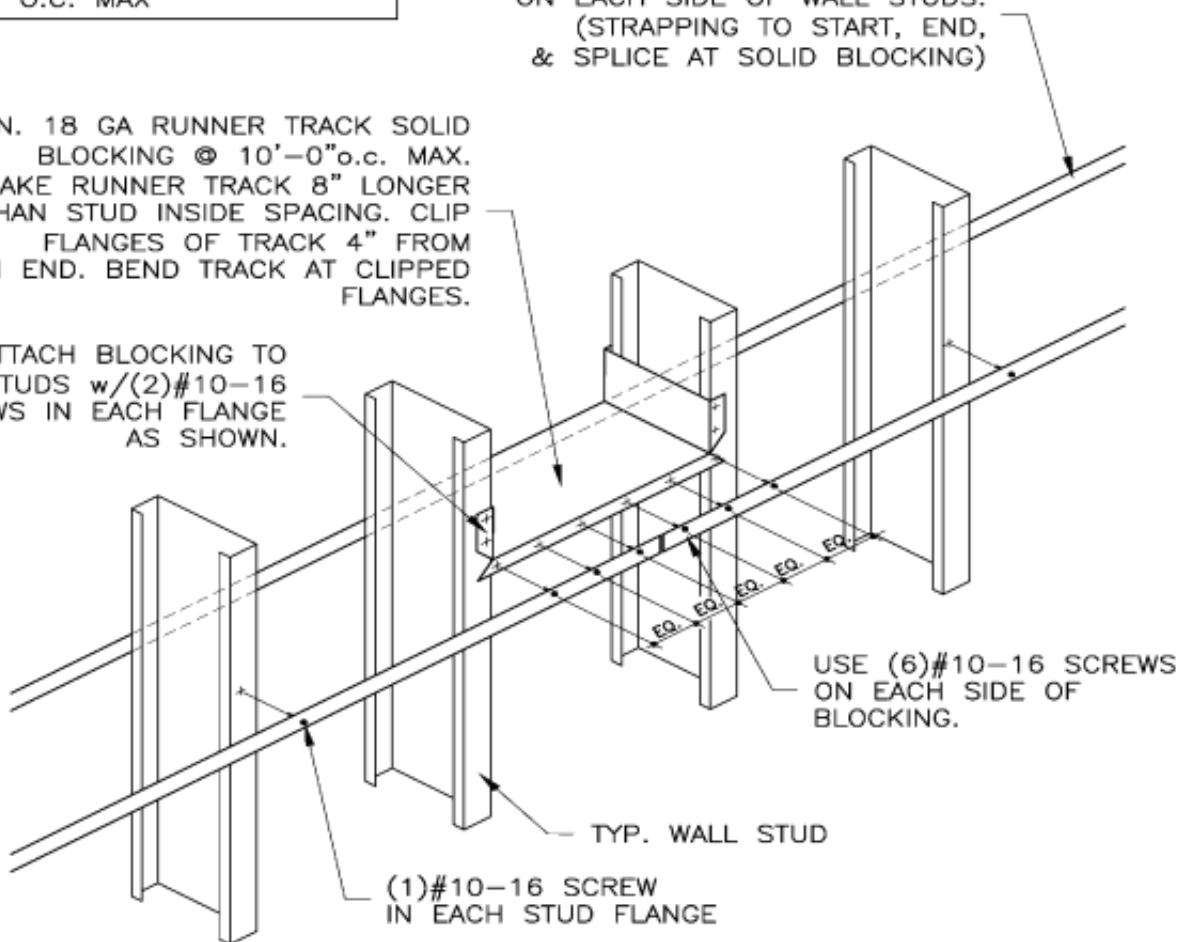
BLOCKING NOTE

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

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

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

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



STRAPPING LATERAL BRACING

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

Notes

Jaimes Industries cold formed coated materials are both Structural and Non-Structural. They feature chemical and physical qualities giving them a **broad range of advantages** over other framing materials, including:

Strength & Durability

Steel can achieve greater spans, open up larger spaces inside buildings and withstand weather and seismic events.



Non-Combustibility

Steel does not burn and will not contribute to the spread or intensity of a fire. Because of this, steel projects can easily be designed to meet code fire rating requirements.



Environmentally Stable

Steel surfaces do not allow mold and bacteria to form; nor does it host termites or other parasitic hosts to compromise structural integrity.



Cost-effective

Steel offers a long-term cost savings. By helping to minimize environmental and fire risks, steel results in lower insurance costs for builders and owners.



Sustainability

Jaimes Industries steel is 100% recyclable, providing long-term benefits to both your building and our future.



We Are An Active USGBC Member

Manufacturers of Light Gauge Metal Studs, Trusses and Wall Panels

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