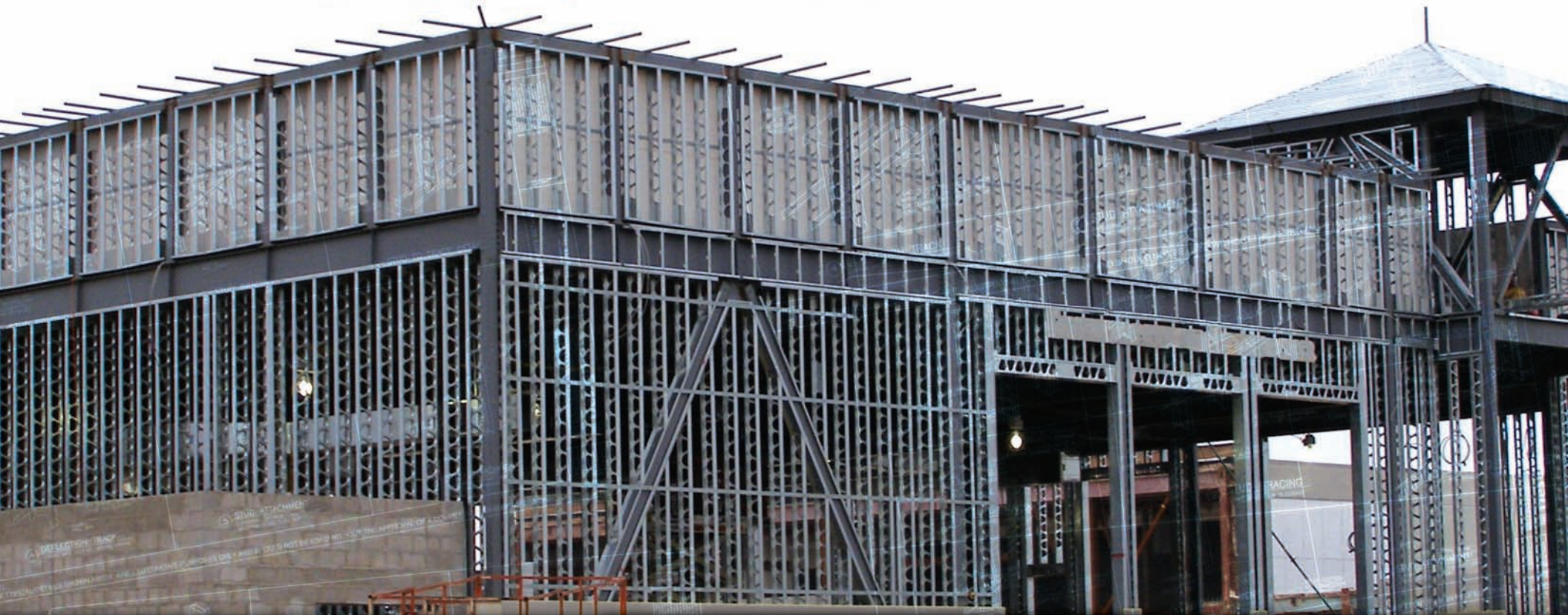


StudRite™



TECHNICAL GUIDE



 **FrameRite™**
Building Stronger With Steel.

Marino\WARE™ is proud to present this catalog detailing the StudRite™ Steel Framing System. StudRite is a product of the FrameRite™ family of proprietary framing solutions. For over 70 years, Marino\WARE has been providing their customers with top quality steel framing products.

At Marino\WARE Quality and Service Count.

Marino\WARE is committed to customer satisfaction. This starts with QUALITY. Marino\WARE products are manufactured from quality steel and precision formed to meet or exceed industry standards established by the ASTM, SSMA and the AISI.

Marino\WARE prides itself on providing the fastest delivery and finest service in the steel framing industry. Most steel framing manufacturers speak of lead times and deliveries in terms of weeks. Marino\WARE with its own fleet of trucks, 3 shift operation, latest technologies in roll forming capabilities and commitment to service excellence, in most cases provides next day delivery. Marino\WARE stands prepared to exceed your expectations. Steel framing products, competitive prices, excellent service along with timely deliveries and technical assistance are available to you.

www.MarinoWare.com



DesignRite Engineering Services are available for all FrameRite Building System structures as well as conventional cold formed steel products. This includes answering technical calls regarding products and installation applications, as well as providing professionally engineered shop drawings. To speak to someone in our DesignRite Engineering Office, please call **1-866-545-1545**.

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SUPERIOR ENGINEERED WALL SECTION

The StudRite Wall System is a specially designed cold formed steel C-stud that has one of the best strength-to-mass ratios of any stud in the industry. It can be used to frame interior bearing and non-bearing walls, as well as the exterior walls without any limitations. Exterior applications include low rise bearing and high rise non-bearing. StudRite is also ideal for companies that build pre-fabricated wall panels. StudRite significantly reduces the weight of pre-fabricated wall panels due to the large repetitive triangular cutouts. This technology reduces the weight of the stud significantly.

Triangular Cutout Technology

The StudRite Wall System achieves maximum structural performance due to its lip reinforced repetitive triangular cutouts and embossments. These embossments and cutouts not only increase the structural performance of the wall but also greatly reduce thermal and sound transfer through the wall since a large percentage of the steel has been removed. Additionally, the open web design and the shape of the lip in the cutout make StudRite easier and safer to handle.

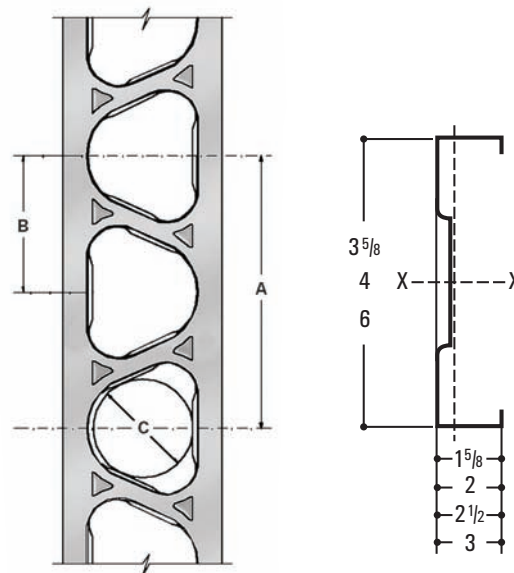
Hole Sizes:

Section Depth in.	A Pitch in.	B 1/2 Pitch in.	C Max. Diameter in.
3 5/8	7.0	3.5	1 3/4
4	7.0	3.5	1 3/4
6	8.1	4.0	2 7/8

One of the greatest attributes of the large triangular cutouts is the increased efficiencies for trade installation. Now for the first time, electricians, plumbers and HVAC installers can run their products right through the knockouts without cutting a single stud member. This technology has never been available before. Ordinarily a lot of time is wasted in cutting and reinforcing holes that have to be drilled or cut into steel wall studs. This new technology saves construction professionals valuable time and reduces labor costs. StudRite is an ideal framing product for assisted living facilities, medical complexes, hospitals, single and multiple family homes and apartment buildings.

Design Flexibility

Architects, engineers and builders have the option to use stick or panel construction, or a combination of both. With StudRite almost any structural design is possible. StudRite is supplied in a complete range of sizes to meet engineering specifications for exterior wind-bearing walls or interior/exterior load-bearing walls and roof trusses. It is strong enough to support up to seven stories as a self-supporting load-bearing structure and can be utilized in much higher structures when used as an infill application. StudRite can be supplied in precision lengths from the factory, saving time on the jobsite. The factory can even add solid sections anywhere along the length of the stud if desired.

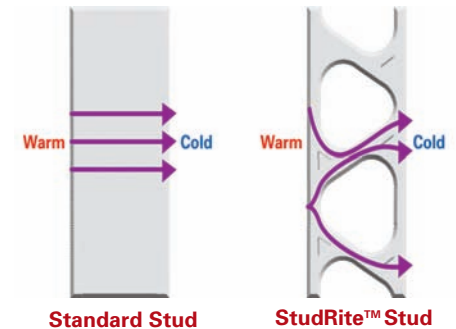


Improved Thermal, Fire and Acoustic Ratings

The open web design of StudRite sections reduces the temperature conductivity, thereby significantly enhancing thermal efficiency. Extensive fire tests have been performed at UL laboratories with the StudRite Wall system for both 1 and 2 hour wall systems. The large openings also have superior acoustical performance compared to traditional steel studs.

Thermal Co-Efficiency

The advanced open-web design significantly reduces thermal conduction.



Steel Thickness:

Product		Design		Minimum		ASTM C955 Color Code
Gauge	Mils	(in.)	(mm)	(in.)	(mm)	
20	33	0.0346	0.879	0.0329	0.838	White
18	43	0.0451	1.15	0.0428	1.09	Yellow
16	54	0.0566	1.44	0.0538	1.37	Green
14	68	0.0713	1.81	0.0677	1.72	Orange
12	97	0.1017	2.58	0.0966	2.45	Red

Finish:

StudRite will not swell, warp, burn, rot, attract or support insect (termite) infestations and mold growth. In accordance with ASTM C955 products are furnished with a G-60 hot-dipped galvanized coating to protect against time-dependent deterioration caused by moisture.

Available Grades of Steel:

- 20, 18 and 16 gauge Stud: $F_y = 33$ ksi
- 16, 14 and 12 gauge Stud: $F_y = 50$ ksi
(16 gauge is typically 33ksi, specify 50 ksi when needed)

Lengths:

Precut stud lengths are stocked, while custom length sizes are available upon request. Shorter lengths may be cut in the field.



PHYSICAL AND STRUCTURAL PROPERTIES

The StudRite product has undergone rigorous development and testing to assure strength, durability and conductivity for superior performance.

StudRite Identification System (in Compliance with SSMA)

Below is a color coded example of the FrameRite Product Identification System as it complies with SSMA standards. Blue being the member width in 1/100 inches, Red denotes the product style or type, yellow being flange width in 1/100 inches, and black indicates material thickness in mils.

600-JR-200-54

- Member Width 6" = 600 x 1/100 in.
- Style: JR = StudRite
- Flange Width: 2" = 200" = 200x1/100 in.
- Material Thickness: Minimum Base Metal Thickness: 0.054 in. = 54 mils (1 mil = 1/1000 in.) Minimum thickness represents 95% of the design thickness.



Marino\WARE is a member of the U.S Green Building Council and has LEED certified professionals on staff. Marino\WARE steel framing products have a high content of recycled steel and the large knockouts from StudRite are recycled to contribute to a green building system.

UL Fire Test Data

UL V457 1 and 2 Hour Fire Rating

Symbols & Definitions

- F_yYield point of steel used for design.
 I_xMoment of inertia of net section about x-axis.
 S_xSection modulus of net section about x-axis.
 r_xRadius of gyration of net section about x-axis.
 I_yMoment of inertia of net section about y-axis.
 r_yRadius of gyration of net section about y-axis.
 $I_{x_{ed}}$Effective moment of inertia of net section about x-axis based on a stress of $0.6F_y$ (deflection determination).
 $S_{x_{ed}}$Effective section modulus of net section about x-axis based on a stress of F_y (strength determination).
 M_aAllowable bending moment.
 V_aAllowable shear force.
 JSaint-Venant torsion constant of net section.
 C_wTorsional warping constant of net section.
 r_oPolar radius of gyration of net section about shear center.

Member Physical Properties						Net Properties						Net Effective Properties				Torsional Properties		
Members	Web (in.)	Flange Leg (in.)	Lip (in.)	Design Thickness (in.)	Weight (plf)	Area (in. ²)	I_x (in. ⁴)	S_x (in. ³)	r_x (in.)	I_y (in. ⁴)	r_y (in.)	$I_{x_{ed}}$ (in. ⁴)	$S_{x_{ed}}$ (in. ³)	M_a (k-in)	V_a (k)	$J \times 10^3$ (in. ⁴)	C_w (in. ⁶)	r_o (in.)
3 5/8" Members																		
362JR162-33	3.625	1.625	0.50	0.0346	0.81	0.210	0.550	0.304	1.62	0.0750	0.600	0.550	0.290	5.70	1.02	0.084	0.280	2.29
362JR162-43	3.625	1.625	0.50	0.0451	1.05	0.271	0.710	0.391	1.62	0.0960	0.595	0.710	0.390	7.70	1.74	0.183	0.360	2.28
362JR162-54	3.625	1.625	0.50	0.0566	1.30	0.334	0.870	0.480	1.61	0.116	0.589	0.870	0.464	13.9	2.34	0.357	0.440	2.27
362JR162-68	3.625	1.625	0.50	0.0713	1.61	0.411	1.06	0.586	1.61	0.138	0.580	1.06	0.586	17.5	4.37	0.696	0.530	2.25
362JR162-97	3.625	1.625	0.50	0.1017	2.22	0.558	1.42	0.784	1.60	0.175	0.560	1.42	0.783	23.5	5.94	1.92	0.690	2.22
362JR200-33	3.625	2.00	0.75	0.0346	0.96	0.253	0.66	0.363	1.61	0.145	0.757	0.640	0.314	6.20	1.02	0.101	0.670	2.71
362JR200-43	3.625	2.00	0.75	0.0451	1.24	0.327	0.85	0.468	1.61	0.185	0.752	0.850	0.448	8.80	1.74	0.222	0.850	2.70
362JR200-54	3.625	2.00	0.75	0.0566	1.54	0.405	1.04	0.576	1.61	0.225	0.746	1.04	0.555	16.6	2.34	0.432	1.04	2.69
362JR200-68	3.625	2.00	0.75	0.0713	1.91	0.500	1.28	0.707	1.60	0.272	0.737	1.28	0.707	21.2	4.37	0.847	1.26	2.67
362JR200-97	3.625	2.00	0.75	0.1017	2.65	0.685	1.73	0.954	1.59	0.353	0.718	1.73	0.954	28.6	5.94	2.36	1.67	2.64
362JR250-33	3.625	2.50	0.75	0.0346	1.07	0.287	0.770	0.425	1.64	0.248	0.929	0.720	0.337	6.70	1.02	0.115	1.11	3.16
362JR250-43	3.625	2.50	0.75	0.0451	1.39	0.372	0.990	0.548	1.63	0.318	0.924	0.980	0.488	9.60	1.74	0.252	1.42	3.15
362JR250-54	3.625	2.50	0.75	0.0566	1.73	0.461	1.22	0.676	1.63	0.388	0.917	1.22	0.580	17.40	2.34	0.493	1.74	3.14
362JR250-68	3.625	2.50	0.75	0.0713	2.15	0.571	1.51	0.831	1.62	0.471	0.908	1.51	0.744	22.3	4.37	0.968	2.12	3.12
362JR250-97	3.625	2.50	0.75	0.1017	3.00	0.786	2.04	1.13	1.61	0.619	0.887	2.04	1.12	33.5	5.94	2.71	2.83	3.09
362JR300-33	3.625	3.00	0.75	0.0346	1.19	0.322	0.880	0.486	1.65	0.387	1.10	0.790	0.353	7.00	1.02	0.128	1.69	3.63
362JR300-43	3.625	3.00	0.75	0.0451	1.55	0.417	1.14	0.627	1.65	0.497	1.09	1.08	0.518	10.2	1.74	0.283	2.16	3.62
362JR300-54	3.625	3.00	0.75	0.0566	1.92	0.518	1.40	0.775	1.65	0.608	1.08	1.40	0.600	18.0	2.34	0.553	2.65	3.61
362JR300-68	3.625	3.00	0.75	0.0713	2.40	0.643	1.73	0.956	1.64	0.741	1.07	1.67	0.774	23.2	4.37	1.09	3.25	3.59
362JR300-97	3.625	3.00	0.75	0.1017	3.34	0.888	2.36	1.30	1.63	0.984	1.05	2.35	1.22	36.5	5.94	3.06	4.36	3.56

NOTE: 54 Mil (16 Gauge) values are based from 33 ksi yield strength.

PHYSICAL AND STRUCTURAL PROPERTIES (CONTINUED)

Member Physical Properties						Net Properties						Net Effective Properties					Torsional Properties		
Members	Web (in.)	Flange Leg (in.)	Lip (in.)	Design Thickness(in.)	Weight (plf)	Area (in. ²)	I _y (in. ⁴)	S _{xy} (in. ³)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	I _{red} (in. ⁴)	S _{xy} (in. ³)	M _a (k-in.)	V _k (k)	J x 10 ⁹ (in. ⁴)	C _w (in. ⁶)	r _s (in.)	
4" Members																			
400JR162-33	4.00	1.625	0.50	0.0346	0.85	0.222	0.69	0.346	1.76	0.0810	0.604	0.690	0.331	6.50	0.980	00.089	0.350	2.35	
400JR162-43	4.00	1.625	0.50	0.0451	1.10	0.288	0.89	0.445	1.76	0.103	0.600	0.890	0.445	8.80	1.74	0.195	0.440	2.34	
400JR162-54	4.00	1.625	0.50	0.0566	1.37	0.355	1.09	0.547	1.76	0.125	0.593	1.09	0.529	15.9	2.60	0.379	0.540	2.33	
400JR162-68	4.00	1.625	0.50	0.0713	1.70	0.438	1.34	0.670	1.75	0.150	0.584	1.34	0.670	20	4.87	0.742	0.650	2.31	
400JR162-97	4.00	1.625	0.50	0.1017	2.35	0.596	1.80	0.899	1.74	0.190	0.565	1.80	0.899	26.9	6.66	2.05	0.860	2.28	
400JR200-33	4.00	2.00	0.75	0.0346	1.00	0.266	0.83	0.413	1.76	0.155	0.765	0.800	0.358	7.10	0.980	0.106	0.800	2.75	
400JR200-43	4.00	2.00	0.75	0.0451	1.30	0.344	1.07	0.533	1.76	0.199	0.761	1.07	0.510	10.1	1.74	0.233	1.02	2.74	
400JR200-54	4.00	2.00	0.75	0.0566	1.61	0.426	1.31	0.657	1.76	0.242	0.754	1.31	0.633	18.9	2.60	0.455	1.25	2.73	
400JR200-68	4.00	2.00	0.75	0.0713	2.00	0.527	1.61	0.807	1.75	0.293	0.746	1.61	0.807	24.2	4.87	0.893	1.52	2.71	
400JR200-97	4.00	2.00	0.75	0.1017	2.78	0.723	2.18	1.09	1.74	0.383	0.728	2.18	1.09	32.7	6.66	2.49	2.02	2.68	
400JR250-33	4.00	2.50	0.75	0.0346	1.12	0.300	0.960	0.481	1.79	0.265	0.939	0.900	0.384	7.60	0.980	0.120	1.33	3.18	
400JR250-43	4.00	2.50	0.75	0.0451	1.45	0.389	1.24	0.621	1.79	0.340	0.934	1.23	0.555	11.0	1.74	0.264	1.70	3.17	
400JR250-54	4.00	2.50	0.75	0.0566	1.80	0.483	1.53	0.767	1.78	0.415	0.928	1.53	0.661	19.8	2.60	0.515	2.09	3.16	
400JR250-68	4.00	2.50	0.75	0.0713	2.25	0.598	1.89	0.944	1.78	0.505	0.919	1.89	0.845	25.3	4.87	1.01	2.55	3.14	
400JR250-97	4.00	2.50	0.75	0.1017	3.12	0.825	2.57	1.29	1.77	0.667	0.900	2.57	1.27	38.1	6.66	2.84	3.41	3.11	
400JR300-33	4.00	3.00	0.75	0.0346	1.23	0.335	1.10	0.549	1.81	0.411	1.11	0.98	0.403	8.00	0.980	0.134	2.03	3.64	
400JR300-43	4.00	3.00	0.75	0.0451	1.60	0.434	1.42	0.709	1.81	0.529	1.10	1.35	0.588	11.6	1.74	0.294	2.60	3.63	
400JR300-54	4.00	3.00	0.75	0.0566	2.00	0.539	1.75	0.877	1.8	0.649	1.10	1.75	0.682	20.4	2.60	0.576	3.19	3.61	
400JR300-68	4.00	3.00	0.75	0.0713	2.49	0.669	2.16	1.08	1.80	0.791	1.09	2.08	0.880	26.3	4.87	1.13	3.91	3.60	
400JR300-97	4.00	3.00	0.75	0.1017	3.47	0.926	2.96	1.48	1.79	1.06	1.07	2.95	1.38	41.4	6.66	3.19	5.26	3.56	

NOTE: 54 Mil (16 Gauge) values are based from 33 ksi yield strength.

Member Physical Properties						Net Properties						Net Effective Properties					Torsional Properties		
Members	Web (in.)	Flange Leg (in.)	Lip (in.)	Design Thickness (in.)	Weight (plf)	Area (in. ²)	I _x (in. ⁴)	S _x (in. ³)	r _x (in.)	I _y (in. ⁴)	r _y (in.)	I _{red} (in. ⁴)	S _{xy} (in. ³)	M _a (k-in.)	V _k (k)	J x 10 ³ (in. ⁴)	C _w (in. ⁶)	r _s (in.)	
6" Members																			
600JR162-33	6.00	1.625	0.50	0.0346	1.01	0.249	1.76	0.585	2.65	0.090	0.601	1.76	0.562	11.1	0.640	0.099	0.810	3.02	
600JR162-43	6.00	1.625	0.50	0.0451	1.31	0.322	2.27	0.755	2.65	0.115	0.597	2.27	0.755	14.9	1.42	0.219	1.02	3.01	
600JR162-54	6.00	1.625	0.50	0.0566	1.62	0.399	2.79	0.931	2.65	0.139	0.591	2.79	0.901	27.0	2.74	0.426	1.25	3.00	
600JR162-68	6.00	1.625	0.50	0.0713	2.02	0.492	3.43	1.14	2.64	0.167	0.582	3.43	1.14	34.3	5.35	0.833	1.52	2.99	
600JR162-97	6.00	1.625	0.50	0.1017	2.80	0.671	4.64	1.55	2.63	0.213	0.564	4.64	1.55	46.4	10.5	2.31	2.01	2.96	
600JR200-33	6.00	2.00	0.75	0.0346	1.15	0.293	2.08	0.695	2.67	0.173	0.768	2.03	0.607	12.0	0.640	0.117	1.71	3.32	
600JR200-43	6.00	2.00	0.75	0.0451	1.50	0.379	2.69	0.898	2.67	0.221	0.764	2.69	0.864	17.1	1.42	0.257	2.18	3.31	
600JR200-54	6.00	2.00	0.75	0.0566	1.86	0.469	3.33	1.11	2.66	0.269	0.758	3.33	1.07	32.1	2.74	0.501	2.67	3.30	
600JR200-68	6.00	2.00	0.75	0.0713	2.32	0.581	4.10	1.37	2.66	0.326	0.750	4.10	1.37	41.0	5.35	0.984	3.26	3.28	
600JR200-97	6.00	2.00	0.75	0.1017	3.23	0.798	5.60	1.87	2.65	0.428	0.732	5.60	1.87	55.8	10.5	2.75	4.37	3.26	
600JR250-33	6.00	2.50	0.75	0.0346	1.27	0.327	2.39	0.797	2.70	0.293	0.946	2.25	0.645	12.7	0.640	0.131	2.84	3.66	
600JR250-43	6.00	2.50	0.75	0.0451	1.65	0.424	3.09	1.03	2.70	0.376	0.941	3.06	0.931	18.4	1.42	0.287	3.63	3.65	
600JR250-54	6.00	2.50	0.75	0.0566	2.06	0.526	3.83	1.28	2.70	0.460	0.935	3.83	1.11	33.2	2.74	0.562	4.47	3.64	
600JR250-68	6.00	2.50	0.75	0.0713	2.57	0.652	4.73	1.58	2.69	0.560	0.927	4.73	1.41	42.2	5.35	1.11	5.48	3.63	
600JR250-97	6.00	2.50	0.75	0.1017	3.58	0.900	6.48	2.16	2.68	0.742	0.908	6.48	2.14	64.0	10.5	3.10	7.40	3.60	
600JR300-33	6.00	3.00	0.75	0.0346	1.39	0.362	2.70	0.900	2.73	0.453	1.12	2.44	0.673	13.3	0.640	0.144	4.34	4.04	
600JR300-43	6.00	3.00	0.75	0.0451	1.80	0.469	3.49	1.16	2.73	0.583	1.12	3.35	0.981	19.4	1.42	0.318	5.56	4.03	
600JR300-54	6.00	3.00	0.75	0.0566	2.25	0.582	4.33	1.44	2.73	0.715	1.11	4.32	1.14	34.1	2.74	0.622	6.84	4.02	
600JR300-68	6.00	3.00	0.75	0.0713	2.81	0.723	5.36	1.79	2.72	0.874	1.10	5.18	1.46	43.7	5.35	1.23	8.42	4.01	
600JR300-97	6.00	3.00	0.75	0.1017	3.93	1.000	7.36	2.46	2.71	1.17	1.08	7.36	2.29	68.5	10.5	3.45	11.4	3.98	

NOTE: 54 Mil (16 Gauge) values are based from 33 ksi yield strength.

Section Identification	Spacing (in.) o.c.	5 psf			10 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf		
		L/120	L/240	L/360	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
362JR162-33	12	24.3	19.3	16.9	19.3	15.3	13.4	13.7	12.0	10.1	12.4	11.1	9.4	11.3	10.5	8.8	10.4	9.9	8.4	9.8	9.5	8.0	7.8	7.8	7.4
362JR162-33	16	22.1	17.6	15.3	16.9	13.9	12.2	12.0	10.9	9.2	10.7	10.1	8.5	9.8	9.5	8.0	8.4	8.4	7.6	7.3	7.3	5.9	5.9	5.9	5.9
362JR162-33	24	19.3	15.3	13.4	13.8	12.2	10.6	9.8	9.5	8.0	7.8	7.4	6.5	6.5	6.5	5.6	5.6	5.6	4.9	4.9	4.9	3.9	3.9	3.9	3.9
362JR162-43	12	26.5	21.0	18.4	21.0	16.7	14.6	14.9	13.0	11.0	13.8	12.1	10.2	13.0	11.4	9.6	12.1	10.8	9.1	11.3	10.3	8.7	10.1	9.6	8.1
362JR162-43	16	24.1	19.1	16.7	19.1	15.2	13.2	13.5	11.8	10.0	12.4	11.0	9.3	11.3	10.3	8.7	10.5	9.8	8.3	9.8	9.4	7.9	8.7	8.7	7.4
362JR162-43	24	21.0	16.7	14.6	16.0	13.2	11.6	11.3	10.3	8.7	10.1	9.6	8.1	9.3	9.0	7.6	8.3	8.3	7.2	7.3	7.3	6.9	5.8	5.8	5.8
362JR162-54	12	28.3	22.5	19.7	22.5	17.9	15.6	16.0	13.9	11.8	14.8	12.9	10.9	13.9	12.2	10.3	13.2	11.6	9.8	12.6	11.1	9.3	11.2	10.3	8.7
362JR162-54	16	25.8	20.4	17.9	20.4	16.2	14.2	14.5	12.7	10.7	13.5	11.8	9.9	12.6	11.1	9.3	11.6	10.5	8.9	10.9	10.1	8.5	9.7	9.3	7.9
362JR162-54	24	22.5	17.9	15.6	17.8	14.2	12.4	12.6	11.1	9.3	11.2	10.3	8.7	10.3	9.7	8.2	9.5	9.2	7.7	8.9	8.8	7.4	7.9	7.9	6.9
362JR162-68*	12	30.3	24.1	21.0	24.1	19.1	16.7	17.1	14.9	12.6	15.8	13.8	11.7	14.9	13.0	11.0	14.2	12.4	10.4	13.5	11.8	10.0	12.6	11.0	9.3
362JR162-68*	16	27.5	21.9	19.1	21.9	17.3	15.2	15.5	13.5	11.4	14.4	12.6	10.6	13.5	11.8	10.0	12.9	11.2	9.5	12.3	10.8	9.1	11.4	10.0	8.4
362JR162-68*	24	24.1	19.1	16.7	19.1	15.2	13.2	13.5	11.8	10.0	12.6	11.0	9.3	11.8	10.3	8.7	11.2	9.8	8.3	10.8	9.4	7.9	10.0	8.7	7.4
362JR162-97*	12	33.4	26.5	23.2	26.5	21.0	18.4	18.8	16.4	13.9	17.5	15.2	12.9	16.4	14.3	12.1	15.6	13.6	11.5	14.9	13.0	11.0	13.9	12.1	10.2
362JR162-97*	16	30.3	24.1	21.0	24.1	19.1	16.7	17.1	14.9	12.6	15.9	13.9	11.7	14.9	13.0	11.0	14.2	12.4	10.4	13.6	11.8	10.0	12.6	11.0	9.3
362JR162-97*	24	26.5	21.0	18.4	21.0	16.7	14.6	14.9	13.0	11.0	13.9	12.1	10.2	13.0	11.4	9.6	12.4	10.8	9.1	11.8	10.3	8.7	11.0	9.6	8.1
362JR200-33	12	25.6	20.3	17.8	20.3	16.1	14.1	14.4	12.6	10.6	12.9	11.7	9.9	11.7	11.0	9.3	10.9	10.5	8.8	9.8	9.8	8.4	7.8	7.8	7.8
362JR200-33	16	23.3	18.5	16.1	17.6	14.7	12.8	12.5	11.4	9.7	11.1	10.6	9.0	9.8	9.8	8.4	8.4	8.4	8.0	7.3	7.3	7.3	5.9	5.9	5.9
362JR200-33	24	20.3	16.1	14.1	14.4	12.8	11.2	9.8	9.8	8.4	7.8	7.8	7.8	6.5	6.5	6.5	5.6	5.6	5.6	4.9	4.9	4.9	3.9	3.9	3.9
362JR200-43	12	28.1	22.3	19.5	22.3	17.7	15.5	15.8	13.8	11.7	14.7	12.8	10.8	13.8	12.1	10.2	13.0	11.5	9.7	12.1	11.0	9.3	10.9	10.2	8.6
362JR200-43	16	25.5	20.3	17.7	20.3	16.1	14.1	14.4	12.6	10.6	13.3	11.7	9.8	12.1	11.0	9.3	11.2	10.4	8.8	10.5	10.0	8.4	8.7	8.7	7.8
362JR200-43	24	22.3	17.7	15.5	17.2	14.1	12.3	12.1	11.0	9.3	10.9	10.2	8.6	9.7	9.6	8.1	8.3	8.3	7.7	7.3	7.3	7.3	5.8	5.8	5.8
362JR200-54	12	30.1	23.9	20.9	23.9	19.0	16.6	17.0	14.8	12.5	15.8	13.8	11.6	14.8	13.0	10.9	14.1	12.3	10.4	13.5	11.8	9.9	12.3	10.9	9.2
362JR200-54	16	27.4	21.7	19.0	21.7	17.3	15.1	15.4	13.5	11.4	14.3	12.5	10.5	13.5	11.8	9.9	12.8	11.2	9.4	11.9	10.7	9.0	10.7	9.9	8.4
362JR200-54	24	23.9	19.0	16.6	19.0	15.1	13.2	13.5	11.8	9.9	12.3	10.9	9.2	11.2	10.3	8.7	10.4	9.8	8.2	9.7	9.3	7.9	8.3	8.3	7.3
362JR200-68*	12	32.3	25.6	22.4	25.6	20.3	17.8	18.2	15.9	13.4	16.9	14.7	12.4	15.9	13.9	11.7	15.1	13.2	11.1	14.4	12.6	10.6	13.4	11.7	9.9
362JR200-68*	16	29.3	23.3	20.3	23.3	18.5	16.1	16.5	14.4	12.2	15.3	13.4	11.3	14.4	12.6	10.6	13.7	12.0	10.1	13.1	11.4	9.7	12.2	10.6	9.0
362JR200-68*	24	25.6	20.3	17.8	20.3	16.1	14.1	14.4	12.6	10.6	13.4	11.7	9.9	12.6	11.0	9.3	12.0	10.5	8.8	11.4	10.0	8.4	10.6	9.3	7.8
362JR200-97*	12	35.7	28.3	24.7	28.3	22.5	19.6	20.1	17.5	14.8	18.6	16.3	13.7	17.5	15.3	12.9	16.7	14.6	12.3	15.9	13.9	11.7	14.8	12.9	10.9
362JR200-97*	16	32.4	25.7	22.5	25.7	20.4	17.8	18.2	15.9	13.4	16.9	14.8	12.5	15.9	13.9	11.7	15.1	13.2	11.2	14.5	12.6	10.7	13.4	11.7	9.9
362JR200-97*	24	28.3	22.5	19.6	22.5	17.8	15.6	15.9	13.9	11.7	14.8	12.9	10.9	13.9	12.2	10.3	13.2	11.6	9.7	12.6	11.0	9.3	11.7	10.3	8.7
362JR250-33	12	26.6	21.1	18.5	21.1	16.8	14.6	14.9	13.1	11.0	13.3	12.2	10.3	12.2	11.4	9.6	11.2	10.9	9.2	9.8	9.8	8.8	7.8	7.8	7.8
362JR250-33	16	24.2	19.2	16.8	18.2	15.2	13.3	12.9	11.9	10.0	11.5	11.0	9.3	9.8	9.8	8.8	8.4	8.4	8.3	7.3	7.3	7.3	5.9	5.9	5.9
362JR250-33	24	21.1	16.8	14.6	14.9	13.3	11.6	9.8	9.8	8.8	7.8	7.8	7.8	6.5	6.5	6.5	5.6	5.6	5.6	4.9	4.9	4.9	3.9	3.9	3.9
362JR250-43	12	29.5	23.4	20.5	23.4	18.6	16.2	16.6	14.5	12.2	15.4	13.5	11.4	14.5	12.7	10.7	13.6	12.0	10.2	12.7	11.5	9.7	11.3	10.7	9.0
362JR250-43	16	26.8	21.3	18.6	21.3	16.9	14.8	15.1	13.2	11.1	13.9	12.2	10.3	12.7	11.5	9.7	11.7	10.9	9.2	10.9	10.5	8.8	8.7	8.7	8.2
362JR250-43	24	23.4	18.6	16.2	17.9	14.8	12.9	12.7	11.5	9.7	11.3	10.7	9.0	9.7	9.7	8.5	8.3	8.3	8.1	7.3	7.3	7.3	5.8	5.8	5.8
362JR250-54	12	31.8	25.2	22.0	25.2	20.0	17.5	17.9	15.6	13.2	16.6	14.5	12.2	15.6	13.7	11.5	14.9	13.0	10.9	14.2	12.4	10.5	13.0	11.5	9.7
362JR250-54	16	28.9	22.9	20.0	22.9	18.2	15.9	16.3	14.2	12.0	15.1	13.2	11.1	14.2	12.4	10.5	13.5	11.8	9.9	12.6	11.3	9.5	11.3	10.5	8.8
362JR250-54	24	25.2	20.0	17.5	20.0	15.9	13.9	14.2	12.4	10.5	13.0	11.5	9.7	11.9	10.8	9.1	11.0	10.3	8.7	10.3	9.8	8.3	8.3	8.3	7.7
362JR250-68*	12	34.1	27.0	23.6	27.0	21.5	18.7	19.2	16.8	14.1	17.8	15.6	13.1	16.8	14.6	12.3	15.9	13.9	11.7	15.2	13.3	11.2	14.1	12.3	10.4
362JR250-68*	16	30.9	24.6	21.5	24.6	19.5	17.0	17.4	15.2	12.8	16.2	14.1	11.9	15.2	13.3	11.2	14.5	12.6	10.7	13.8	12.1	10.2	12.8	11.2	9.5
362JR250-68*	24	27.0	21.5	18.7	21.5	17.0	14.9	15.2	13.3	11.2	14.1	12.3	10.4												

Section Identification	Spacing (in.) o.c.	5 psf			10 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf		
		L/120	L/240	L/360	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
400JR162-33	12	26.3	20.8	18.2	20.8	16.5	14.5	14.8	12.9	10.9	13.2	12.0	10.1	12.0	11.3	9.5	11.2	10.7	9.0	9.8	9.8	8.6	7.8	7.8	7.8
400JR162-33	16	23.9	18.9	16.5	18.1	15.0	13.1	12.8	11.7	9.9	11.4	10.9	9.2	9.8	9.8	8.6	8.4	8.4	8.2	7.3	7.3	7.3	5.9	5.9	5.9
400JR162-33	24	20.8	16.5	14.5	14.8	13.1	11.5	9.8	9.8	8.6	7.8	7.8	7.8	6.5	6.5	6.5	5.6	5.6	5.6	4.9	4.9	4.9	3.9	3.9	3.9
400JR162-43	12	28.6	22.7	19.8	22.7	18.0	15.7	16.1	14.1	11.9	14.9	13.0	11.0	14.0	12.3	10.4	12.9	11.7	9.8	12.1	11.2	9.4	10.8	10.4	8.7
400JR162-43	16	26.0	20.6	18.0	20.6	16.4	14.3	14.6	12.8	10.8	13.3	11.9	10.0	12.1	11.2	9.4	11.2	10.6	8.9	10.5	10.1	8.5	8.7	8.7	7.9
400JR162-43	24	22.7	18.0	15.7	17.1	14.3	12.5	12.1	11.2	9.4	10.8	10.4	8.7	9.7	9.7	8.2	8.3	8.3	7.8	7.3	7.3	7.3	5.8	5.8	5.8
400JR162-54	12	30.6	24.3	21.2	24.3	19.3	16.8	17.2	15.1	12.7	16.0	14.0	11.8	15.1	13.2	11.1	14.3	12.5	10.5	13.4	12.0	10.1	12.0	11.1	9.4
400JR162-54	16	27.8	22.1	19.3	22.1	17.5	15.3	15.7	13.7	11.5	14.5	12.7	10.7	13.4	12.0	10.1	12.4	11.4	9.6	11.6	10.9	9.2	10.4	10.1	8.5
400JR162-54	24	24.3	19.3	16.8	19.0	15.3	13.4	13.4	12.0	10.1	12.0	11.1	9.4	11.0	10.4	8.8	10.1	9.9	8.4	9.5	9.5	8.0	8.3	8.3	7.4
400JR162-68*	12	32.7	26.0	22.7	26.0	20.6	18.0	18.4	16.1	13.6	17.1	15.0	12.6	16.1	14.1	11.9	15.3	13.4	11.3	14.6	12.8	10.8	13.6	11.9	10.0
400JR162-68*	16	29.8	23.6	20.6	23.6	18.7	16.4	16.8	14.6	12.3	15.6	13.6	11.5	14.6	12.8	10.8	13.9	12.1	10.2	13.3	11.6	9.8	12.3	10.8	9.1
400JR162-68*	24	26.0	20.6	18.0	20.6	16.4	14.3	14.6	12.8	10.8	13.6	11.9	10.0	12.8	11.2	9.4	12.1	10.6	8.9	11.6	10.1	8.6	10.8	9.4	7.9
400JR162-97*	12	36.1	28.7	25.0	28.7	22.8	19.9	20.3	17.8	15.0	18.9	16.5	13.9	17.8	15.5	13.1	16.9	14.7	12.4	16.1	14.1	11.9	15.0	13.1	11.0
400JR162-97*	16	32.8	26.0	22.8	26.0	20.7	18.1	18.5	16.1	13.6	17.2	15.0	12.6	16.1	14.1	11.9	15.3	13.4	11.3	14.7	12.8	10.8	13.6	11.9	10.0
400JR162-97*	24	28.7	22.8	19.9	22.8	18.1	15.8	16.1	14.1	11.9	15.0	13.1	11.0	14.1	12.3	10.4	13.4	11.7	9.9	12.8	11.2	9.4	11.9	10.4	8.8
400JR200-33	12	27.6	21.9	19.2	21.7	17.4	15.2	15.4	13.6	11.5	13.7	12.6	10.6	12.5	11.9	10.0	11.2	11.2	9.5	9.8	9.8	9.1	7.8	7.8	7.8
400JR200-33	16	25.1	19.9	17.4	18.8	15.8	13.8	13.3	12.3	10.4	11.7	11.5	9.7	9.8	9.8	9.1	8.4	8.4	8.4	7.3	7.3	7.3	5.9	5.9	5.9
400JR200-33	24	21.7	17.4	15.2	15.4	13.8	12.1	9.8	9.8	9.1	7.8	7.8	7.8	6.5	6.5	6.5	5.6	5.6	5.6	4.9	4.9	4.9	3.9	3.9	3.9
400JR200-43	12	30.3	24.1	21.0	24.1	19.1	16.7	17.1	14.9	12.6	15.9	13.9	11.7	14.9	13.0	11.0	13.9	12.4	10.4	13.0	11.8	10.0	11.6	11.0	9.3
400JR200-43	16	27.6	21.9	19.1	21.9	17.4	15.2	15.5	13.6	11.4	14.2	12.6	10.6	13.0	11.8	10.0	12.0	11.3	9.5	10.9	10.8	9.1	8.7	8.7	8.4
400JR200-43	24	24.1	19.1	16.7	18.3	15.2	13.3	13.0	11.8	10.0	11.6	11.0	9.3	9.7	9.7	8.7	8.3	8.3	8.3	7.3	7.3	7.3	5.8	5.8	5.8
400JR200-54	12	32.5	25.8	22.6	25.8	20.5	17.9	18.3	16.0	13.5	17.0	14.9	12.5	16.0	14.0	11.8	15.2	13.3	11.2	14.5	12.7	10.7	13.1	11.8	9.9
400JR200-54	16	29.6	23.5	20.5	23.5	18.6	16.3	16.6	14.5	12.3	15.4	13.5	11.4	14.5	12.7	10.7	13.6	12.1	10.2	12.7	11.5	9.7	11.4	10.7	9.0
400JR200-54	24	25.8	20.5	17.9	20.5	16.3	14.2	14.5	12.7	10.7	13.1	11.8	9.9	12.0	11.1	9.4	11.1	10.5	8.9	10.4	10.1	8.5	8.3	8.3	7.9
400JR200-68*	12	34.8	27.7	24.2	27.7	22.0	19.2	19.6	17.1	14.5	18.2	15.9	13.4	17.1	15.0	12.6	16.3	14.2	12.0	15.6	13.6	11.5	14.5	12.6	10.7
400JR200-68*	16	31.7	25.1	22.0	25.1	19.9	17.4	17.8	15.6	13.1	16.5	14.5	12.2	15.6	13.6	11.5	14.8	12.9	10.9	14.1	12.4	10.4	13.1	11.5	9.7
400JR200-68*	24	27.7	22.0	19.2	22.0	17.4	15.2	15.6	13.6	11.5	14.5	12.6	10.7	13.6	11.9	10.0	12.9	11.3	9.5	12.4	10.8	9.1	11.5	10.0	8.5
400JR200-97*	12	38.5	30.6	26.7	30.6	24.3	21.2	21.7	19.0	16.0	20.1	17.6	14.8	19.0	16.6	14.0	18.0	15.7	13.3	17.2	15.0	12.7	16.0	14.0	11.8
400JR200-97*	16	35.0	27.8	24.3	27.8	22.1	19.3	19.7	17.2	14.5	18.3	16.0	13.5	17.2	15.0	12.7	16.4	14.3	12.1	15.7	13.7	11.5	14.5	12.7	10.7
400JR200-97*	24	30.6	24.3	21.2	24.3	19.3	16.8	17.2	15.0	12.7	16.0	14.0	11.8	15.0	13.1	11.1	14.3	12.5	10.5	13.7	11.9	10.1	12.7	11.1	9.4
400JR250-33	12	28.7	22.8	19.9	22.5	18.1	15.8	15.9	14.1	11.9	14.2	13.1	11.0	13.0	12.3	10.4	11.2	11.2	9.9	9.8	9.8	9.4	7.8	7.8	7.8
400JR250-33	16	26.1	20.7	18.1	19.5	16.4	14.3	13.8	12.8	10.8	11.7	11.7	10.0	9.8	9.8	9.4	8.4	8.4	8.4	7.3	7.3	7.3	5.9	5.9	5.9
400JR250-33	24	22.5	18.1	15.8	15.9	14.3	12.5	9.8	9.8	9.4	7.8	7.8	7.8	6.5	6.5	6.5	5.6	5.6	5.6	4.9	4.9	4.9	3.9	3.9	3.9
400JR250-43	12	31.8	25.2	22.0	25.2	20.0	17.5	17.9	15.6	13.2	16.6	14.5	12.2	15.6	13.7	11.5	14.5	13.0	10.9	13.5	12.4	10.5	11.6	11.5	9.7
400JR250-43	16	28.9	22.9	20.0	22.9	18.2	15.9	16.3	14.2	12.0	14.8	13.2	11.1	13.5	12.4	10.5	12.5	11.8	9.9	10.9	10.9	9.5	8.7	8.7	8.7
400JR250-43	24	25.2	20.0	17.5	19.1	15.9	13.9	13.5	12.4	10.5	11.6	11.5	9.7	9.7	9.7	9.1	8.3	8.3	8.3	7.3	7.3	7.3	5.8	5.8	5.8
400JR250-54	12	34.3	27.2	23.7	27.2	21.6	18.9	19.3	16.9	14.2	17.9	15.6	13.2	16.9	14.7	12.4	16.0	14.0	11.8	15.3	13.4	11.3	13.9	12.4	10.5
400JR250-54	16	31.1	24.7	21.6	24.7	19.6	17.1	17.5	15.3	12.9	16.3	14.2	12.0	15.3	13.4	11.3	14.4	12.7	10.7	13.4	12.2	10.2	12.0	11.3	9.5
400JR250-54	24	27.2	21.6	18.9	21.6	17.1	15.0	15.3	13.4	11.3	13.9	12.4	10.5	12.7	11.7	9.9	11.7	11.1	9.4	10.4	10.4	9.0	8.3	8.3	8.3
400JR250-68*	12	36.7	29.1	25.5	29.1	23.1	20.2	20.7	18.1	15.2	19.2	16.8	14.1	18.1	15.8	13.3	17.2	15.0	12.6	16.4	14.3	12.1	15.2	13.3	11.2
400JR250-68*	16	33.4	26.5	23.1	26.5	21.0	18.4	18.8	16.4	13.8	17.4	15.2	12.9	16.4	14.3	12.1	15.6	13.6	11.5	14.9	13.0	11.0	13.8	12.1	10.2
400JR250-68*	24	29.1	23.1	20.2	23.1	18.4	16.0	16.4	14.3	12.1	15.2	13.3	11.2	1											

Section Identification	Spacing (in.) o.c.	5 psf			10 psf			20 psf			25 psf			30 psf			35 psf			40 psf			50 psf		
		L/120	L/240	L/360	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
600JR162-33	12	35.8	28.4	24.8	27.2	22.6	19.7	19.2	17.6	14.9	15.9	15.9	13.8	13.3	13.3	13.0	11.4	11.4	11.4	9.9	9.9	9.9	8.0	8.0	8.0
600JR162-33	16	32.6	25.8	22.6	23.6	20.5	17.9	14.9	14.9	13.5	11.9	11.9	11.9	9.9	9.9	9.9	8.5	8.5	8.5	7.5	7.5	7.5	6.0	6.0	6.0
600JR162-33	24	27.2	22.6	19.7	19.2	17.9	15.7	9.9	9.9	9.9	8.0	8.0	8.0	6.6	6.6	6.6	5.7	5.7	5.7	5.0	5.0	5.0	4.0	4.0	4.0
600JR162-43	12	39.0	31.0	27.1	31.0	24.6	21.5	22.0	19.2	16.2	20.4	17.8	15.0	19.2	16.8	14.1	18.2	15.9	13.4	17.4	15.2	12.8	16.2	14.1	11.9
600JR162-43	16	35.4	28.1	24.6	27.3	22.3	19.5	20.0	17.4	14.7	18.5	16.2	13.7	17.4	15.2	12.8	16.6	14.5	12.2	15.8	13.8	11.7	13.3	12.8	10.8
600JR162-43	24	31.0	24.6	21.5	22.3	19.5	17.0	17.4	15.2	12.8	16.2	14.1	11.9	14.8	13.3	11.2	12.7	12.6	10.7	11.1	11.1	10.2	8.9	8.9	8.9
600JR162-54	12	41.8	33.2	29.0	33.2	26.4	23.0	23.6	20.6	17.4	21.9	19.1	16.1	20.2	18.0	15.2	18.7	17.1	14.4	17.5	16.3	13.8	15.7	15.2	12.8
600JR162-54	16	38.0	30.2	26.4	30.2	23.9	20.9	21.4	18.7	15.8	19.2	17.4	14.6	17.5	16.3	13.8	16.2	15.5	13.1	15.2	14.8	12.5	12.5	12.5	11.6
600JR162-54	24	33.2	26.4	23.0	24.8	20.9	18.3	17.5	16.3	13.8	15.7	15.2	12.8	13.8	13.8	12.0	11.9	11.9	11.4	10.4	10.4	10.4	8.3	8.3	8.3
600JR162-68	12	44.8	35.6	31.1	35.6	28.2	24.7	25.2	22.0	18.6	23.4	20.5	17.3	22.0	19.3	16.2	20.9	18.3	15.4	20.0	17.5	14.8	18.6	16.2	13.7
600JR162-68	16	40.7	32.3	28.2	32.3	25.7	22.4	22.9	20.0	16.9	21.3	18.6	15.7	20.0	17.5	14.8	19.0	16.6	14.0	18.2	15.9	13.4	16.9	14.8	12.4
600JR162-68	24	35.6	28.2	24.7	28.2	22.4	19.6	20.0	17.5	14.8	18.6	16.2	13.7	17.5	15.3	12.9	16.6	14.5	12.2	15.9	13.9	11.7	14.8	12.9	10.9
600JR162-97	12	49.6	39.3	34.4	39.3	31.2	27.3	27.9	24.4	20.6	25.9	22.6	19.1	24.4	21.3	18.0	23.2	20.2	17.1	22.2	19.4	16.3	20.6	18.0	15.2
600JR162-97	16	45.0	35.7	31.2	35.7	28.4	24.8	25.4	22.2	18.7	23.5	20.6	17.3	22.2	19.4	16.3	21.0	18.4	15.5	20.1	17.6	14.8	18.7	16.3	13.8
600JR162-97	24	39.3	31.2	27.3	31.2	24.8	21.7	22.2	19.4	16.3	20.6	18.0	15.2	19.4	16.9	14.3	18.4	16.1	13.5	17.6	15.4	13.0	16.3	14.3	12.0
600JR200-33	12	37.6	29.9	26.1	28.3	23.7	20.7	19.9	18.5	15.6	15.9	15.9	14.5	13.3	13.3	13.3	11.4	11.4	11.4	9.9	9.9	9.9	8.0	8.0	8.0
600JR200-33	16	34.2	27.1	23.7	24.5	21.5	18.8	14.9	14.9	14.2	11.9	11.9	11.9	9.9	9.9	9.9	8.5	8.5	8.5	7.5	7.5	7.5	6.0	6.0	6.0
600JR200-33	24	28.3	23.7	20.7	19.9	18.8	16.4	9.9	9.9	9.9	8.0	8.0	8.0	6.6	6.6	6.6	5.7	5.7	5.7	5.0	5.0	5.0	4.0	4.0	4.0
600JR200-43	12	41.3	32.8	28.7	32.8	26.0	22.7	23.2	20.2	17.1	21.5	18.8	15.8	20.2	17.7	14.9	19.2	16.8	14.2	18.4	16.1	13.5	17.1	14.9	12.6
600JR200-43	16	37.6	29.8	26.0	29.2	23.7	20.7	21.0	18.4	15.5	19.5	17.1	14.4	18.4	16.1	13.5	17.5	15.3	12.9	16.7	14.6	12.3	13.3	13.3	11.4
600JR200-43	24	32.8	26.0	22.7	23.9	20.7	18.1	18.4	16.1	13.5	17.1	14.9	12.6	14.8	14.0	11.8	12.7	12.7	11.2	11.1	11.1	10.8	8.9	8.9	8.9
600JR200-54	12	44.4	35.2	30.8	35.2	27.9	24.4	25.0	21.8	18.4	23.2	20.3	17.1	21.8	19.1	16.1	20.4	18.1	15.3	19.1	17.3	14.6	16.6	16.1	13.6
600JR200-54	16	40.3	32.0	27.9	32.0	25.4	22.2	22.7	19.8	16.7	20.9	18.4	15.5	19.1	17.3	14.6	17.7	16.5	13.9	15.6	15.6	13.3	12.5	12.5	12.3
600JR200-54	24	35.2	27.9	24.4	27.0	22.2	19.4	19.1	17.3	14.6	16.6	16.1	13.6	13.8	13.8	12.8	11.9	11.9	10.4	10.4	10.4	10.4	8.3	8.3	8.3
600JR200-68	12	47.6	37.8	33.0	37.8	30.0	26.2	26.8	23.4	19.7	24.9	21.7	18.3	23.4	20.4	17.2	22.2	19.4	16.4	21.3	18.6	15.7	19.7	17.2	14.5
600JR200-68	16	43.2	34.3	30.0	34.3	27.2	23.8	24.3	21.3	17.9	22.6	19.7	16.6	21.3	18.6	15.7	20.2	17.6	14.9	19.3	16.9	14.2	17.9	15.7	13.2
600JR200-68	24	37.8	30.0	26.2	30.0	23.8	20.8	21.3	18.6	15.7	19.7	17.2	14.5	18.6	16.2	13.7	17.6	15.4	13.0	16.9	14.7	12.4	15.7	13.7	11.5
600JR200-97	12	52.7	41.9	36.6	41.9	33.2	29.0	29.7	25.9	21.9	27.6	24.1	20.3	25.9	22.7	19.1	24.6	21.5	18.2	23.6	20.6	17.4	21.9	19.1	16.1
600JR200-97	16	47.9	38.0	33.2	38.0	30.2	26.4	27.0	23.6	19.9	25.1	21.9	18.5	23.6	20.6	17.4	22.4	19.6	16.5	21.4	18.7	15.8	19.9	17.4	14.6
600JR200-97	24	41.9	33.2	29.0	33.2	26.4	23.0	23.6	20.6	17.4	21.9	19.1	16.1	20.6	18.0	15.2	19.6	17.1	14.4	18.7	16.3	13.8	17.4	15.2	12.8
600JR250-33	12	38.9	30.9	27.0	29.2	24.5	21.4	19.9	19.2	16.2	15.9	15.9	15.0	13.3	13.3	13.3	11.4	11.4	11.4	9.9	9.9	9.9	8.0	8.0	8.0
600JR250-33	16	35.4	28.1	24.5	25.2	22.3	19.5	14.9	14.9	14.7	11.9	11.9	11.9	9.9	9.9	9.9	8.5	8.5	8.5	7.5	7.5	7.5	6.0	6.0	6.0
600JR250-33	24	29.2	24.5	21.4	19.9	19.5	17.0	9.9	9.9	9.9	8.0	8.0	8.0	6.6	6.6	6.6	5.7	5.7	5.7	5.0	5.0	5.0	4.0	4.0	4.0
600JR250-43	12	43.1	34.2	29.9	34.2	27.2	23.7	24.0	21.0	17.7	22.3	19.5	16.4	21.0	18.3	15.4	19.9	17.4	14.7	19.0	16.6	14.0	17.7	15.4	13.0
600JR250-43	16	39.2	31.1	27.2	30.3	24.7	21.6	21.8	19.0	16.1	20.2	17.7	14.9	19.0	16.6	14.0	18.1	15.8	13.3	16.7	15.1	12.7	13.3	13.3	11.8
600JR250-43	24	34.2	27.2	23.7	24.8	21.6	18.8	19.0	16.6	14.0	17.7	15.4	13.0	14.8	14.5	12.3	12.7	12.7	11.6	11.1	11.1	11.1	8.9	8.9	8.9
600JR250-54	12	46.5	36.9	32.2	36.9	29.3	25.6	26.2	22.9	19.3	24.3	21.2	17.9	22.9	20.0	16.8	21.4	19.0	16.0	20.0	18.1	15.3	16.6	16.6	14.2
600JR250-54	16	42.2	33.5	29.3	33.5	26.6	23.2	23.8	20.8	17.5	21.9	19.3	16.3	20.0	18.1	15.3	17.8	17.2	14.5	15.6	15.6	13.9	12.5	12.5	12.5
600JR250-54	24	36.9	29.3	25.6	28.3	23.2	20.3	20.0	18.1	15.3	16.6	16.6	14.2	13.8	13.8	13.4	11.9	11.9	11.9	10.4	10.4	10.4	8.3	8.3	8.3
600JR250-68	12	49.9	39.6	34.6	39.6	31.4	27.4	28.1	24.5	20.7	26.1	22.8	19.2	24.5	21.4	18.1	23.3	20.4	17.2	22.3	19.5	16.4	20.7	18.1	15.2
600JR250-68	16	45.3	36.0	31.4	36.0	28.5	24.9	25.5	22.3	18.8	23.7	20.7	17.5	22.3	19.5	16.4	21.2	18.5	15.6	20.3	17.7	14.9	18.8	16.4	13.9
600JR250																									

5 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	362JR162-(mils)						362JR200-(mils)						362JR250-(mils)						362JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	2.08	2.77	3.51	4.21	5.34	7.70	2.55	3.67	4.63	5.75	7.22	10.2	2.77	4.10	5.36	6.67	8.36	11.8	2.91	4.36	5.80	6.85	9.01	13.3
	16	2.00	2.70	3.43	4.14	5.27	7.63	2.46	3.58	4.54	5.67	7.13	10.1	2.68	4.01	5.27	6.58	8.27	11.7	2.82	4.27	5.71	6.76	8.92	13.2
	24	1.85	2.54	3.27	4.00	5.13	7.47	2.29	3.40	4.36	5.51	6.97	9.89	2.50	3.83	5.09	6.40	8.10	11.5	2.65	4.09	5.52	6.59	8.75	13.0
8 [2]	12	2.54	3.39	4.25	5.63	7.03	9.72	2.87	4.23	5.34	7.14	8.91	12.3	3.08	4.61	6.16	7.75	10.3	14.3	3.23	4.88	6.43	7.97	10.2	15.8
	16	2.44	3.28	4.15	5.53	6.93	9.61	2.76	4.12	5.23	7.03	8.80	12.2	2.98	4.50	6.05	7.64	10.2	14.2	3.13	4.77	6.32	7.87	10.1	15.6
	24	2.24	3.09	3.95	5.33	6.72	9.40	2.56	3.90	5.02	6.81	8.58	12.0	2.78	4.29	5.83	7.42	9.91	14.0	2.93	4.57	6.11	7.66	9.9	15.4
9 [2]	12	2.26	3.04	3.84	4.92	6.18	8.62	2.61	3.84	4.87	6.30	7.90	11.0	2.82	4.24	5.63	7.12	9.12	12.8	2.97	4.51	6.00	7.28	9.51	14.5
	16	2.13	2.92	3.71	4.80	6.05	8.49	2.48	3.71	4.73	6.17	7.76	10.8	2.70	4.11	5.50	6.97	8.98	12.6	2.85	4.38	5.86	7.15	9.37	14.3
	24	1.90	2.69	3.47	4.56	5.82	8.23	2.24	3.45	4.48	5.91	7.50	10.6	2.46	3.85	5.23	6.70	8.69	12.3	2.61	4.13	5.60	6.89	9.10	14.0
10 [2]	12	1.97	2.69	3.42	4.23	5.35	7.55	2.34	3.43	4.38	5.48	6.90	9.64	2.55	3.85	5.09	6.34	7.99	11.2	2.70	4.12	5.54	6.56	8.66	12.7
	16	1.83	2.55	3.28	4.10	5.21	7.40	2.19	3.27	4.22	5.33	6.74	9.48	2.40	3.69	4.93	6.17	7.82	11.1	2.56	3.97	5.37	6.40	8.49	12.6
	24	1.58	2.29	3.01	3.84	4.95	7.11	1.91	2.98	3.93	5.04	6.45	9.16	2.13	3.39	4.62	5.86	7.50	10.8	2.28	3.67	5.06	6.10	8.17	12.3
12 [2]	12	1.43	2.02	2.62	3.00	3.87	5.61	1.80	2.63	3.42	3.98	5.06	7.19	2.00	3.06	4.01	4.63	5.89	8.40	2.15	3.32	4.56	5.14	6.67	9.54
	16	1.28	1.86	2.45	2.86	3.72	5.44	1.62	2.45	3.23	3.81	4.89	7.00	1.82	2.87	3.81	4.44	5.70	8.21	1.97	3.13	4.34	4.95	6.47	9.35
	24	1.01	1.58	2.14	2.61	3.45	5.13	1.31	2.12	2.89	3.51	4.58	6.65	1.50	2.51	3.45	4.11	5.36	7.87	1.64	2.77	3.95	4.60	6.10	8.99
14 [3]	12	1.14	1.67	2.21	2.54	3.28	4.70	1.43	2.15	2.85	3.26	4.19	5.96	1.62	2.55	3.39	3.82	4.91	7.06	1.77	2.82	3.88	4.36	5.61	8.11
	16	0.97	1.48	2.00	2.37	3.10	4.49	1.23	1.94	2.63	3.07	3.99	5.73	1.41	2.32	3.15	3.60	4.68	6.83	1.56	2.58	3.61	4.12	5.36	7.86
	24	0.67	1.16	1.64	2.07	2.77	4.12	0.88	1.56	2.23	2.73	3.63	5.32	1.05	1.91	2.72	3.22	4.28	6.40	1.18	2.15	3.14	3.70	4.92	7.41
16 [3]	12	0.78	1.19	1.61	1.83	2.40	3.49	1.01	1.56	2.12	2.37	3.07	4.42	1.18	1.88	2.55	2.78	3.60	5.26	1.31	2.14	2.93	3.17	4.12	6.05
	16	0.62	1.02	1.42	1.67	2.23	3.29	0.82	1.36	1.90	2.19	2.89	4.21	0.98	1.65	2.31	2.58	3.40	5.04	1.10	1.90	2.67	2.96	3.89	5.82
	24	0.34	0.71	1.08	1.40	1.93	2.95	0.49	1.01	1.53	1.89	2.56	3.84	0.62	1.27	1.90	2.24	3.03	4.65	0.73	1.49	2.22	2.58	3.49	5.40

15 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	362JR162-(mils)						362JR200-(mils)						362JR250-(mils)						362JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.62	2.32	3.04	3.81	4.93	7.25	2.04	3.14	4.10	5.27	6.74	9.64	2.25	3.56	4.82	6.14	7.84	11.3	2.40	3.83	5.25	6.34	8.49	12.8
	16	1.41	2.11	2.82	3.62	4.73	7.03	1.80	2.89	3.86	5.05	6.51	9.40	2.01	3.31	4.57	5.89	7.59	11.0	2.16	3.58	4.99	6.10	8.23	12.5
	24	1.02	1.71	2.40	3.25	4.36	6.61	1.35	2.42	3.38	4.61	6.07	8.93	1.55	2.82	4.07	5.41	7.11	10.5	1.71	3.09	4.48	5.63	7.74	12.0
8 [2]	12	1.96	2.81	3.66	5.04	6.43	9.09	2.27	3.59	4.71	6.49	8.27	11.7	2.49	3.99	5.51	7.10	9.57	13.6	2.65	4.27	5.80	7.35	9.60	15.1
	16	1.70	2.54	3.38	4.76	6.15	8.79	2.00	3.30	4.42	6.19	7.96	11.3	2.22	3.69	5.21	6.80	9.24	13.3	2.38	3.98	5.51	7.06	9.30	14.8
	24	1.22	2.05	2.86	4.25	5.63	8.22	1.49	2.75	3.86	5.62	7.39	10.7	1.71	3.14	4.63	6.22	8.61	12.7	1.88	3.43	4.93	6.49	8.72	14.2
9 [2]	12	1.59	2.36	3.14	4.24	5.48	7.87	1.90	3.08	4.11	5.54	7.13	10.2	2.12	3.48	4.85	6.31	8.29	11.9	2.28	3.77	5.22	6.52	8.72	13.6
	16	1.30	2.06	2.82	3.93	5.17	7.52	1.59	2.75	3.77	5.20	6.78	9.78	1.81	3.14	4.49	5.94	7.90	11.6	1.96	3.43	4.86	6.17	8.35	13.2
	24	0.77	1.51	2.24	3.38	4.59	6.88	1.02	2.13	3.13	4.58	6.14	9.08	1.23	2.51	3.82	5.27	7.19	10.9	1.38	2.79	4.19	5.52	7.65	12.5
10 [2]	12	1.24	1.94	2.63	3.50	4.59	6.71	1.54	2.58	3.51	4.64	6.05	8.72	1.75	2.98	4.19	5.42	7.05	10.3	1.90	3.26	4.61	5.68	7.72	11.8
	16	0.93	1.61	2.29	3.18	4.26	6.33	1.20	2.21	3.13	4.28	5.67	8.31	1.40	2.60	3.79	5.02	6.64	9.89	1.55	2.87	4.20	5.29	7.29	11.4
	24	0.39	1.04	1.66	2.61	3.65	5.65	0.60	1.55	2.45	3.64	4.99	7.55	0.78	1.91	3.06	4.30	5.89	9.12	0.92	2.17	3.44	4.57	6.51	10.6
12 [2]	12	0.66	1.20	1.74	2.27	3.08	4.70	0.90	1.68	2.43	3.12	4.17	6.18	1.08	2.04	2.96	3.67	4.89	7.39	1.21	2.29	3.42	4.12	5.60	8.49
	16	0.36	0.87	1.38	1.96	2.76	4.32	0.54	1.30	2.02	2.76	3.79	5.76	0.70	1.63	2.53	3.27	4.48	6.95	0.82	1.86	2.95	3.69	5.14	8.03
	24	0.29	0.74	1.43	2.18	3.64		0.63	1.31	2.14	3.13	5.00		0.90	1.76	2.57	3.74	6.17		0.14	1.10	2.11	2.94	4.33	7.20
14 [3]	12		0.74	1.19	1.69	2.36	3.64		1.09	1.73	2.30	3.17	4.79	0.59	1.39	2.17	2.74	3.76	5.85	0.70	1.61	2.54	3.16	4.34	6.82
	16		0.39	0.80	1.36	2.00	3.23		0.69	1.29	1.93	2.77	4.34		0.95	1.70	2.32	3.31	5.37	0.28	1.14	2.02	2.70	3.85	6.30
	24			0.13	0.79	1.39	2.52			0.55	1.30	2.09	3.55		0.19	0.90	1.60	2.54	4.53		0.34	1.13	1.90	2.99	5.39
16 [3]	12			0.66	1.06	1.56	2.52		0.57	1.06	1.50	2.15	3.36		0.78	1.39	1.80	2.57	4.15		0.96	1.65	2.09	2.98	4.87
	16			0.30	0.77	1.24	2.14		0.20	0.66	1.18	1.79	2.95		0.37	0.95	1.43	2.17	3.72		0.52	1.17	1.68	2.53	4.40
	24				0.27	0.70	1.51				0.62	1.19	2.25			0.21	0.80	1.48	2.97			0.34	0.97	1.77	3.58

1. Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.

2. Allowable axial loads are based on steel properties only.

3. Check lateral end reactions for web crippling.

4. The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.

5. In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.

6. Values in square bracket [] are required number of equally spaced bridging rows.

20 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	362JR162-(mils)						362JR200-(mils)						362JR250-(mils)						362JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.41	2.11	2.82	3.62	4.73	7.03	1.80	2.89	3.86	5.05	6.51	9.40	2.01	3.31	4.57	5.89	7.59	11.0	2.16	3.58	4.99	6.10	8.23	12.5
	16	1.15	1.84	2.54	3.37	4.48	6.75	1.49	2.57	3.54	4.75	6.22	9.08	1.70	2.98	4.23	5.57	7.27	10.7	1.85	3.25	4.65	5.79	7.90	12.2
	24	0.65	1.33	2.00	2.91	4.00	6.21	0.93	1.98	2.93	4.20	5.66	8.47	1.13	2.36	3.60	4.95	6.64	10.1	1.27	2.63	4.00	5.18	7.26	11.6
8 [2]	12	1.70	2.54	3.38	4.76	6.15	8.79	2.00	3.30	4.42	6.19	7.96	11.3	2.22	3.69	5.21	6.80	9.24	13.3	2.38	3.98	5.51	7.06	9.30	14.8
	16	1.37	2.21	3.03	4.41	5.80	8.40	1.66	2.93	4.04	5.81	7.57	10.9	1.88	3.32	4.82	6.40	8.81	12.9	2.04	3.61	5.12	6.68	8.91	14.4
	24	0.78	1.59	2.38	3.77	5.13	7.68	1.02	2.24	3.34	5.10	6.85	10.1	1.24	2.62	4.08	5.67	8.01	12.1	1.40	2.91	4.39	5.96	8.17	13.6
9 [2]	12	1.30	2.06	2.82	3.93	5.17	7.52	1.59	2.75	3.77	5.20	6.78	9.78	1.81	3.14	4.49	5.94	7.90	11.6	1.96	3.43	4.86	6.17	8.35	13.2
	16	0.94	1.69	2.42	3.56	4.77	7.09	1.20	2.33	3.34	4.78	6.35	9.30	1.41	2.71	4.04	5.49	7.42	11.1	1.57	2.99	4.40	5.73	7.88	12.7
	24	0.31	1.02	1.71	2.87	4.06	6.29	0.51	1.57	2.55	4.01	5.55	8.42	0.70	1.93	3.21	4.65	6.54	10.2	0.85	2.20	3.56	4.91	7.00	11.8
10 [2]	12	0.93	1.61	2.29	3.18	4.26	6.33	1.20	2.21	3.13	4.28	5.67	8.31	1.40	2.60	3.79	5.02	6.64	9.89	1.55	2.87	4.20	5.29	7.29	11.4
	16	0.56	1.22	1.86	2.79	3.85	5.87	0.79	1.76	2.67	3.84	5.21	7.79	0.98	2.13	3.29	4.53	6.13	9.37	1.12	2.40	3.69	4.80	6.77	10.8
	24		0.53	1.11	2.10	3.11	5.03		0.97	1.84	3.06	4.38	6.87	0.23	1.29	2.41	3.65	5.21	8.42	0.35	1.54	2.76	3.92	5.81	9.81
12 [2]	12	0.36	0.87	1.38	1.96	2.76	4.32	0.54	1.30	2.02	2.76	3.79	5.76	0.70	1.63	2.53	3.27	4.48	6.95	0.82	1.86	2.95	3.69	5.14	8.03
	16		0.47	0.94	1.60	2.36	3.86		0.84	1.54	2.34	3.34	5.24	0.25	1.13	2.01	2.80	3.97	6.42	0.36	1.34	2.37	3.18	4.59	7.47
	24			0.20	0.96	1.67	3.04			0.70	1.60	2.55	4.33		0.27	1.10	1.97	3.09	5.47		0.44	1.37	2.28	3.61	6.46
14 [3]	12			0.80	1.36	2.00	3.23		0.69	1.29	1.93	2.77	4.34		0.95	1.70	2.32	3.31	5.37		1.14	2.02	2.70	3.85	6.30
	16			0.34	0.97	1.59	2.74		0.22	0.79	1.50	2.30	3.80		0.43	1.15	1.83	2.78	4.79		0.59	1.41	2.15	3.26	5.68
	24				0.31	0.87	1.91				0.76	1.51	2.87			0.21	0.99	1.88	3.81			0.37	1.21	2.26	4.61
16 [3]	12				0.77	1.24	2.14			0.66	1.18	1.79	2.95		0.37	0.95	1.43	2.17	3.72		0.52	1.17	1.68	2.53	4.40
	16				0.42	0.87	1.71				0.79	1.38	2.47			0.44	1.00	1.70	3.20			0.60	1.19	2.01	3.84
	24					0.24	0.96					0.67	1.65				0.26	0.90	2.33				0.37	1.12	2.89

25 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	362JR162-(mils)						362JR200-(mils)						362JR250-(mils)						362JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.21	1.91	2.61	3.43	4.54	6.82	1.57	2.65	3.62	4.83	6.29	9.16	1.78	3.06	4.31	5.65	7.35	10.8	1.93	3.33	4.73	5.86	7.98	12.3
	16	0.89	1.58	2.26	3.14	4.24	6.48	1.20	2.27	3.23	4.47	5.93	8.77	1.41	2.67	3.91	5.26	6.95	10.4	1.56	2.94	4.32	5.48	7.58	11.9
	24	0.31	0.98	1.62	2.58	3.66	5.82	0.53	1.56	2.51	3.81	5.26	8.03	0.72	1.93	3.15	4.52	6.20	9.65	0.86	2.19	3.53	4.76	6.81	11.1
8 [2]	12	1.45	2.29	3.12	4.50	5.88	8.50	1.74	3.02	4.13	5.90	7.67	11.0	1.96	3.41	4.91	6.50	8.92	13.0	2.13	3.70	5.22	6.77	9.01	14.5
	16	1.07	1.89	2.70	4.09	5.46	8.03	1.33	2.57	3.68	5.44	7.20	10.5	1.55	2.97	4.44	6.03	8.41	12.5	1.71	3.26	4.75	6.31	8.53	14.0
	24	0.37	1.16	1.92	3.33	4.67	7.17	0.59	1.76	2.84	4.60	6.34	9.57	0.79	2.14	3.56	5.16	7.45	11.5	0.95	2.42	3.87	5.45	7.64	13.0
9 [2]	12	1.03	1.78	2.52	3.65	4.87	7.19	1.30	2.43	3.44	4.88	6.45	9.42	1.51	2.82	4.15	5.60	7.54	11.2	1.67	3.10	4.52	5.84	7.99	12.9
	16	0.61	1.34	2.05	3.20	4.41	6.67	0.85	1.93	2.93	4.38	5.94	8.85	1.05	2.31	3.61	5.06	6.97	10.6	1.20	2.59	3.97	5.31	7.43	12.3
	24		0.56	1.22	2.41	3.57	5.73		1.05	2.01	3.49	5.00	7.82	0.22	1.39	2.64	4.09	5.93	9.57	0.35	1.65	2.97	4.34	6.39	11.1
10 [2]	12	0.65	1.31	1.97	2.88	3.95	5.98	0.89	1.87	2.78	3.95	5.32	7.92	1.08	2.24	3.41	4.65	6.25	9.50	1.23	2.51	3.81	4.92	6.89	11.0
	16	0.23	0.86	1.47	2.43	3.47	5.44	0.41	1.35	2.24	3.44	4.78	7.32	0.59	1.70	2.84	4.07	5.65	8.88	0.72	1.95	3.21	4.35	6.27	10.3
	24			0.61	1.64	2.62	4.47		0.44	1.28	2.54	3.83	6.24		0.73	1.81	3.06	4.59	7.77		0.96	2.12	3.33	5.15	9.11
12 [2]	12		0.57	1.05	1.69	2.46	3.97	0.22	0.95	1.65	2.44	3.45	5.37	0.36	1.25	2.13	2.91	4.09	6.55	0.47	1.47	2.51	3.30	4.72	7.60
	16			0.55	1.27	2.00	3.44		0.43	1.10	1.96	2.93	4.77		0.68	1.53	2.36	3.51	5.93		0.88	1.85	2.71	4.08	6.95
	24				0.54	1.22	2.51			0.14	1.12	2.03	3.73			0.49	1.42	2.50	4.84			0.71	1.68	2.96	5.78
14 [3]	12			0.45	1.06	1.69	2.86		0.33	0.91	1.60	2.41	3.93		0.55	1.28	1.95	2.91	4.93		0.72	1.56	2.28	3.40	5.83
	16				0.63	1.21	2.30			0.33	1.11	1.89	3.31			0.66	1.39	2.31	4.28			0.87	1.66	2.73	5.12
	24					0.41	1.36				0.29	0.99	2.27				0.45	1.29	3.16				0.61	1.60	3.91
16 [3]	12				0.51	0.96	1.81			0.30	0.88	1.48	2.58			0.56	1.10	1.81	3.33			0.74	1.31	2.14	3.97
	16					0.54	1.32				0.45	1.01	2.04				0.61	1.28	2.74				0.76	1.55	3.34
	24						0.48					0.22	1.12					0.38	1.75					0.54	2.27

- Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.
- Allowable axial loads are based on steel properties only.
- Check lateral end reactions for web crippling.
- The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.
- In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.
- Values in square bracket [] are required number of equally spaced bridging rows.

30 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	362JR162-(mils)						362JR200-(mils)						362JR250-(mils)						362JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.02	1.71	2.40	3.25	4.36	6.61	1.35	2.42	3.38	4.61	6.07	8.93	1.55	2.82	4.07	5.41	7.11	10.5	1.71	3.09	4.48	5.63	7.74	12.0
	16	0.65	1.33	2.00	2.91	4.00	6.21	0.93	1.98	2.93	4.20	5.66	8.47	1.13	2.36	3.60	4.95	6.64	10.1	1.27	2.63	4.00	5.18	7.26	11.6
	24		0.64	1.26	2.27	3.33	5.44	0.16	1.16	2.10	3.44	4.87	7.61	0.34	1.52	2.72	4.10	5.78	9.23	0.47	1.77	3.08	4.34	6.37	10.7
8 [2]	12	1.22	2.05	2.86	4.25	5.63	8.22	1.49	2.75	3.86	5.62	7.39	10.7	1.71	3.14	4.63	6.22	8.61	12.7	1.88	3.43	4.93	6.49	8.72	14.2
	16	0.78	1.59	2.38	3.77	5.13	7.68	1.02	2.24	3.34	5.10	6.85	10.1	1.24	2.62	4.08	5.67	8.01	12.1	1.40	2.91	4.39	5.96	8.17	13.6
	24		0.76	1.49	2.91	4.23	6.68	0.18	1.31	2.38	4.14	5.85	9.0	0.37	1.68	3.07	4.67	6.92	11.0	0.52	1.95	3.38	4.97	7.13	12.5
9 [2]	12	0.77	1.51	2.24	3.38	4.59	6.88	1.02	2.13	3.13	4.58	6.14	9.08	1.23	2.51	3.82	5.27	7.19	10.9	1.38	2.79	4.19	5.52	7.65	12.5
	16	0.31	1.02	1.71	2.87	4.06	6.29	0.51	1.57	2.55	4.01	5.55	8.42	0.70	1.93	3.21	4.65	6.54	10.2	0.85	2.20	3.56	4.91	7.00	11.8
	24		0.14	0.76	1.98	3.11	5.21		0.57	1.51	3.01	4.49	7.24		0.89	2.10	3.55	5.36	8.98		1.14	2.41	3.81	5.82	10.5
10 [2]	12	0.39	1.04	1.66	2.61	3.65	5.65	0.60	1.55	2.45	3.64	4.99	7.55	0.78	1.91	3.06	4.30	5.89	9.12	0.92	2.17	3.44	4.57	6.51	10.6
	16		0.53	1.11	2.10	3.11	5.03		0.97	1.84	3.06	4.38	6.87	0.23	1.29	2.41	3.65	5.21	8.42	0.35	1.54	2.76	3.92	5.81	9.81
	24			0.14	1.22	2.16	3.94			0.76	2.05	3.31	5.65		0.21	1.25	2.52	4.01	7.16		0.42	1.53	2.77	4.54	8.46
12 [2]	12		0.29	0.74	1.43	2.18	3.64		0.63	1.31	2.14	3.13	5.00		0.90	1.76	2.57	3.74	6.17		1.10	2.11	2.94	4.33	7.20
	16			0.20	0.96	1.67	3.04			0.70	1.60	2.55	4.33		0.27	1.10	1.97	3.09	5.47		0.44	1.37	2.28	3.61	6.46
	24				0.16	0.80	2.01				0.68	1.55	3.18				0.92	1.96	4.26			0.10	1.13	2.37	5.15
14 [3]	12				0.79	1.39	2.52			0.55	1.30	2.09	3.55			0.90	1.60	2.54	4.53		0.34	1.13	1.90	2.99	5.39
	16				0.31	0.87	1.91				0.76	1.51	2.87			0.21	0.99	1.88	3.81			0.37	1.21	2.26	4.61
	24						0.87					0.52	1.72					0.76	2.58					1.01	3.27
16 [3]	12				0.27	0.70	1.51				0.62	1.19	2.25				0.80	1.48	2.97			0.34	0.97	1.77	3.58
	16					0.24	0.96					0.67	1.65				0.26	0.90	2.33				0.37	1.12	2.89
	24											0.63							1.23						1.70

35 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	362JR162-(mils)						362JR200-(mils)						362JR250-(mils)						362JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	0.83	1.52	2.20	3.08	4.18	6.41	1.13	2.19	3.16	4.40	5.86	8.70	1.34	2.59	3.83	5.18	6.87	10.3	1.49	2.86	4.24	5.41	7.50	11.8
	16	0.42	1.10	1.75	2.69	3.77	5.95	0.66	1.69	2.65	3.94	5.39	8.18	0.86	2.07	3.30	4.66	6.35	9.80	1.00	2.34	3.68	4.90	6.96	11.2
	24		0.32	0.92	1.96	3.01	5.08		0.78	1.71	3.08	4.50	7.20		1.12	2.31	3.70	5.36	8.81	0.10	1.37	2.65	3.94	5.94	10.2
8 [2]	12	0.99	1.81	2.61	4.01	5.37	7.94	1.25	2.49	3.59	5.36	7.11	10.4	1.47	2.88	4.35	5.94	8.31	12.4	1.63	3.17	4.66	6.22	8.44	13.9
	16	0.50	1.30	2.07	3.47	4.82	7.34	0.73	1.92	3.01	4.77	6.50	9.75	0.94	2.30	3.73	5.33	7.64	11.7	1.09	2.58	4.04	5.62	7.81	13.2
	24		0.38	1.08	2.51	3.81	6.22		0.88	1.93	3.70	5.39	8.53		1.23	2.60	4.21	6.41	10.5	0.11	1.51	2.90	4.50	6.64	11.9
9 [2]	12	0.53	1.26	1.96	3.12	4.32	6.58	0.76	1.84	2.83	4.29	5.84	8.74	0.96	2.21	3.51	4.95	6.86	10.5	1.11	2.49	3.87	5.21	7.32	12.1
	16		0.71	1.37	2.56	3.73	5.91	0.20	1.22	2.19	3.66	5.18	8.02	0.38	1.57	2.82	4.27	6.13	9.78	0.51	1.83	3.16	4.53	6.59	11.4
	24			0.33	1.57	2.68	4.72		0.12	1.03	2.55	4.01	6.70		0.42	1.59	3.05	4.82	8.42		0.65	1.89	3.30	5.27	9.92
10 [2]	12		0.77	1.38	2.35	3.38	5.33	0.32	1.25	2.13	3.34	4.68	7.20	0.50	1.59	2.73	3.97	5.54	8.76	0.63	1.85	3.09	4.24	6.15	10.2
	16		0.21	0.77	1.79	2.78	4.65		0.61	1.46	2.71	4.01	6.44		0.91	2.00	3.25	4.79	7.98		1.15	2.33	3.52	5.36	9.34
	24				0.82	1.74	3.45			0.27	1.60	2.83	5.10			0.72	2.01	3.47	6.58			0.97	2.25	3.97	7.85
12 [2]	12			0.46	1.19	1.92	3.33		0.33	0.99	1.87	2.83	4.66		0.57	1.42	2.26	3.40	5.81		0.76	1.73	2.60	3.96	6.82
	16				0.68	1.36	2.68			0.32	1.28	2.20	3.93			0.69	1.60	2.69	5.04			0.92	1.87	3.17	6.00
	24					0.41	1.55				0.27	1.11	2.66				0.45	1.46	3.71				0.62	1.81	4.57
14 [3]	12				0.54	1.12	2.20			0.23	1.02	1.79	3.20			0.54	1.29	2.20	4.16			0.74	1.54	2.61	4.99
	16					0.56	1.54				0.44	1.15	2.47				0.63	1.48	3.37				0.80	1.81	4.14
	24						0.42						1.22					0.27	2.03					0.46	2.68
16 [3]	12					0.46	1.23				0.37	0.92	1.94				0.52	1.18	2.64				0.66	1.44	3.22
	16						0.64					0.36	1.29					0.55	1.94					0.73	2.47
	24						0.49												0.75						1.18

1. Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.

2. Allowable axial loads are based on steel properties only.

3. Check lateral end reactions for web crippling.

4. The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.

5. In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.

6. Values in square bracket [] are required number of equally spaced bridging rows.

40 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	362JR162-(mils)						362JR200-(mils)						362JR250-(mils)						362JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	0.65	1.33	2.00	2.91	4.00	6.21	0.93	1.98	2.93	4.20	5.66	8.47	1.13	2.36	3.60	4.95	6.64	10.1	1.27	2.63	4.00	5.18	7.26	11.6
	16	0.20	0.86	1.50	2.47	3.55	5.69	0.41	1.42	2.37	3.69	5.13	7.89	0.59	1.79	3.01	4.38	6.06	9.51	0.73	2.05	3.38	4.62	6.66	11.0
	24			0.59	1.67	2.71	4.73		0.42	1.34	2.74	4.14	6.80		0.74	1.91	3.32	4.97	8.41		0.98	2.23	3.56	5.53	9.80
8 [2]	12	0.78	1.59	2.38	3.77	5.13	7.68	1.02	2.24	3.34	5.10	6.85	10.1	1.24	2.62	4.08	5.67	8.01	12.1	1.40	2.91	4.39	5.96	8.17	13.6
	16	0.24	1.02	1.78	3.18	4.52	7.01	0.45	1.61	2.69	4.45	6.17	9.39	0.65	1.98	3.40	4.99	7.27	11.4	0.80	2.26	3.70	5.29	7.47	12.8
	24			0.69	2.13	3.41	5.77		0.47	1.50	3.28	4.95	8.04		0.81	2.14	3.76	5.92	10.0		1.07	2.44	4.05	6.17	11.4
9 [2]	12	0.31	1.02	1.71	2.87	4.06	6.29	0.51	1.57	2.55	4.01	5.55	8.42	0.70	1.93	3.21	4.65	6.54	10.2	0.85	2.20	3.56	4.91	7.00	11.8
	16		0.42	1.06	2.26	3.41	5.56		0.89	1.84	3.33	4.83	7.62		1.22	2.46	3.90	5.74	9.37	0.19	1.48	2.78	4.16	6.20	10.9
	24				1.19	2.27	4.26			0.58	2.12	3.55	6.18			1.11	2.58	4.31	7.88		0.19	1.38	2.82	4.75	9.35
10 [2]	12		0.53	1.11	2.10	3.11	5.03		0.97	1.84	3.06	4.38	6.87	0.23	1.29	2.41	3.65	5.21	8.42	0.35	1.54	2.76	3.92	5.81	9.81
	16			0.45	1.50	2.47	4.29		0.27	1.10	2.37	3.65	6.04		0.55	1.62	2.88	4.39	7.56		0.77	1.92	3.14	4.94	8.89
	24				0.44	1.33	2.98				1.18	2.38	4.58			0.23	1.53	2.96	6.03			0.45	1.75	3.42	7.26
12 [2]	12			0.20	0.96	1.67	3.04			0.70	1.60	2.55	4.33		0.27	1.10	1.97	3.09	5.47		0.44	1.37	2.28	3.61	6.46
	16				0.41	1.07	2.34				0.97	1.87	3.54			0.30	1.25	2.32	4.64			0.50	1.49	2.76	5.57
	24						1.12					0.69	2.18					0.99	3.20				0.14	1.29	4.01
14 [3]	12				0.31	0.87	1.91				0.76	1.51	2.87			0.21	0.99	1.88	3.81			0.37	1.21	2.26	4.61
	16					0.26	1.19					0.83	2.08				0.28	1.11	2.96				0.42	1.40	3.69
	24												0.75						1.53						2.13
16 [3]	12					0.24	0.96					0.67	1.65				0.26	0.90	2.33				0.37	1.12	2.89
	16						0.33						0.95					0.22	1.58					0.36	2.07
	24												0.84						0.31						0.69

50 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	362JR162-(mils)						362JR200-(mils)						362JR250-(mils)						362JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	0.31	0.98	1.62	2.58	3.66	5.82	0.53	1.56	2.51	3.81	5.26	8.03	0.72	1.93	3.15	4.52	6.20	9.65	0.86	2.19	3.53	4.76	6.81	11.1
	16		0.43	1.03	2.06	3.12	5.20		0.91	1.84	3.20	4.62	7.34		1.25	2.44	3.83	5.50	8.95	0.22	1.50	2.79	4.07	6.08	10.4
	24				1.12	2.12	4.06			0.62	2.09	3.46	6.04			1.15	2.59	4.21	7.63		0.23	1.43	2.82	4.73	8.98
8 [2]	12	0.37	1.16	1.92	3.33	4.67	7.17	0.59	1.76	2.84	4.60	6.34	9.57	0.79	2.14	3.56	5.16	7.45	11.5	0.95	2.42	3.87	5.45	7.64	13.0
	16		0.50	1.22	2.64	3.95	6.37		1.02	2.08	3.84	5.54	8.70	0.10	1.38	2.75	4.36	6.57	10.7	0.24	1.65	3.06	4.65	6.80	12.1
	24				1.42	2.66	4.93			0.70	2.48	4.12	7.11			1.29	2.92	4.99	9.03		0.26	1.56	3.20	5.27	10.4
9 [2]	12		0.56	1.22	2.41	3.57	5.73		1.05	2.01	3.49	5.00	7.82	0.22	1.39	2.64	4.09	5.93	9.57	0.35	1.65	2.97	4.34	6.39	11.1
	16			0.47	1.70	2.82	4.89		0.27	1.19	2.70	4.17	6.88		0.57	1.76	3.22	5.00	8.60		0.81	2.06	3.47	5.45	10.1
	24				0.48	1.50	3.38				1.32	2.69	5.21			0.20	1.69	3.35	6.87			0.44	1.92	3.76	8.27
10 [2]	12			0.61	1.64	2.62	4.47		0.44	1.28	2.54	3.83	6.24		0.73	1.81	3.06	4.59	7.77		0.96	2.12	3.33	5.15	9.11
	16				0.95	1.88	3.61			0.43	1.75	2.99	5.28			0.90	2.18	3.65	6.77			1.16	2.42	4.15	8.05
	24				0.58	1.58	2.11				0.39	1.53	3.61				0.65	2.01	5.01				0.83	2.41	6.17
12 [2]	12				0.54	1.22	2.51				1.12	2.03	3.73			0.49	1.42	2.50	4.84			0.71	1.68	2.96	5.78
	16					0.54	1.70				0.40	1.25	2.83				0.61	1.63	3.89				0.79	1.99	4.76
	24						0.32						1.28					0.13	2.25					0.33	2.99
14 [3]	12					0.41	1.36				0.29	0.99	2.27				0.45	1.29	3.16				0.61	1.60	3.91
	16						0.56					0.22	1.38					0.43	2.21					0.63	2.87
	24																	0.60							1.11
16 [3]	12						0.48					0.22	1.12					0.38	1.75					0.54	2.27
	16												0.33												1.35
	24																		0.91						

1. Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.

2. Allowable axial loads are based on steel properties only.

3. Check lateral end reactions for web crippling.

4. The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.

5. In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.

6. Values in square bracket [] are required number of equally spaced bridging rows.

5 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	400JR162-(mils)						400JR200-(mils)						400JR250-(mils)						400JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	2.39	3.17	3.99	4.91	6.21	8.89	2.87	4.13	5.20	6.63	8.30	11.7	3.09	4.56	6.00	7.59	9.62	13.5	3.24	4.84	6.39	7.72	10.1	15.2
	16	2.31	3.09	3.91	4.84	6.14	8.82	2.78	4.04	5.11	6.55	8.23	11.6	3.01	4.47	5.91	7.51	9.53	13.4	3.16	4.75	6.30	7.63	10.0	15.1
	24	2.16	2.94	3.76	4.71	6.00	8.67	2.61	3.87	4.94	6.39	8.07	11.4	2.84	4.30	5.74	7.33	9.36	13.2	3.00	4.58	6.12	7.47	9.82	15.0
8 [2]	12	2.87	3.81	4.77	6.45	8.04	11.1	3.19	4.67	5.92	8.07	10.1	13.9	3.40	5.06	6.78	8.61	11.4	16.1	3.55	5.33	6.99	8.82	11.3	17.4
	16	2.77	3.71	4.67	6.35	7.94	11.0	3.09	4.57	5.82	7.97	10.0	13.8	3.31	4.96	6.68	8.50	11.3	15.9	3.46	5.24	6.89	8.72	11.2	17.3
	24	2.58	3.52	4.48	6.15	7.75	10.8	2.90	4.37	5.62	7.76	9.76	13.6	3.12	4.76	6.47	8.30	11.1	15.7	3.28	5.05	6.70	8.53	11.0	17.1
9 [2]	12	2.59	3.47	4.38	5.74	7.20	10.0	2.94	4.33	5.48	7.27	9.09	12.6	3.16	4.72	6.29	7.93	10.4	14.6	3.31	4.99	6.59	8.17	10.5	16.1
	16	2.48	3.36	4.26	5.62	7.08	9.90	2.82	4.20	5.35	7.14	8.96	12.5	3.04	4.59	6.16	7.80	10.3	14.5	3.20	4.87	6.47	8.04	10.4	16.0
	24	2.25	3.13	4.02	5.39	6.84	9.65	2.59	3.96	5.10	6.88	8.71	12.2	2.82	4.35	5.91	7.55	10.0	14.2	2.98	4.64	6.22	7.80	10.2	15.7
10 [2]	12	2.31	3.13	3.97	5.05	6.36	8.95	2.68	3.94	5.01	6.45	8.11	11.3	2.90	4.36	5.78	7.34	9.34	13.1	3.06	4.63	6.17	7.48	9.81	14.8
	16	2.18	2.99	3.83	4.91	6.22	8.80	2.54	3.79	4.86	6.30	7.96	11.2	2.76	4.20	5.63	7.18	9.17	13.0	2.92	4.49	6.01	7.33	9.65	14.7
	24	1.92	2.73	3.56	4.65	5.96	8.51	2.27	3.50	4.57	6.01	7.67	10.9	2.49	3.92	5.33	6.87	8.86	12.7	2.66	4.20	5.72	7.05	9.35	14.3
12 [2]	12	1.76	2.45	3.15	3.75	4.80	6.92	2.15	3.15	4.06	4.90	6.23	8.82	2.36	3.59	4.73	5.68	7.21	10.3	2.52	3.86	5.29	6.08	8.04	11.6
	16	1.60	2.28	2.98	3.60	4.65	6.74	1.97	2.96	3.87	4.73	6.05	8.62	2.19	3.40	4.53	5.49	7.01	10.1	2.34	3.67	5.08	5.89	7.84	11.4
	24	1.31	1.98	2.66	3.32	4.35	6.41	1.64	2.61	3.52	4.41	5.71	8.25	1.86	3.04	4.16	5.13	6.64	9.69	2.01	3.31	4.68	5.53	7.45	11.0
14 [3]	12	1.46	2.10	2.75	3.27	4.21	6.01	1.78	2.66	3.50	4.16	5.33	7.57	1.99	3.09	4.11	4.84	6.20	8.90	2.15	3.37	4.68	5.32	7.05	10.2
	16	1.27	1.89	2.52	3.07	4.00	5.78	1.56	2.43	3.26	3.94	5.10	7.31	1.77	2.84	3.86	4.59	5.94	8.63	1.93	3.12	4.40	5.07	6.77	9.88
	24	0.93	1.53	2.13	2.73	3.63	5.35	1.19	2.02	2.83	3.56	4.69	6.84	1.38	2.41	3.40	4.16	5.48	8.16	1.53	2.68	3.90	4.61	6.27	9.37
16 [3]	12	1.05	1.56	2.08	2.38	3.10	4.50	1.32	2.01	2.70	3.06	3.96	5.68	1.51	2.39	3.21	3.57	4.62	6.71	1.66	2.66	3.66	4.07	5.26	7.68
	16	0.86	1.36	1.86	2.20	2.91	4.28	1.11	1.78	2.46	2.86	3.74	5.44	1.29	2.14	2.94	3.34	4.38	6.46	1.43	2.40	3.38	3.82	5.00	7.42
	24	0.54	1.01	1.48	1.89	2.57	3.88	0.74	1.39	2.03	2.50	3.36	5.01	0.89	1.70	2.49	2.95	3.95	6.01	1.02	1.95	2.88	3.38	4.53	6.94

15 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	400JR162-(mils)						400JR200-(mils)						400JR250-(mils)						400JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.94	2.72	3.53	4.51	5.80	8.45	2.37	3.62	4.70	6.16	7.84	11.2	2.60	4.05	5.48	7.08	9.10	13.0	2.76	4.33	5.87	7.23	9.57	14.7
	16	1.73	2.51	3.32	4.32	5.61	8.24	2.14	3.38	4.45	5.93	7.62	10.9	2.37	3.80	5.23	6.84	8.86	12.8	2.53	4.09	5.62	7.00	9.33	14.5
	24	1.33	2.11	2.90	3.95	5.23	7.82	1.69	2.91	3.99	5.50	7.18	10.5	1.92	3.33	4.75	6.36	8.37	12.3	2.08	3.62	5.13	6.54	8.85	14.0
8 [2]	12	2.31	3.25	4.21	5.87	7.46	10.5	2.62	4.08	5.33	7.46	9.46	13.3	2.85	4.48	6.18	8.00	10.8	15.4	3.01	4.77	6.41	8.24	10.7	16.8
	16	2.05	2.99	3.94	5.60	7.19	10.2	2.36	3.80	5.05	7.16	9.17	13.0	2.59	4.20	5.89	7.71	10.5	15.1	2.76	4.49	6.13	7.96	10.4	16.5
	24	1.57	2.50	3.43	5.09	6.67	9.67	1.86	3.26	4.51	6.61	8.61	12.4	2.09	3.67	5.33	7.15	9.85	14.5	2.26	3.97	5.59	7.43	9.84	15.9
9 [2]	12	1.93	2.81	3.69	5.06	6.51	9.29	2.26	3.60	4.75	6.52	8.35	11.9	2.49	4.00	5.55	7.18	9.64	13.8	2.65	4.29	5.87	7.45	9.79	15.4
	16	1.64	2.51	3.38	4.75	6.19	8.95	1.95	3.27	4.42	6.18	8.01	11.5	2.18	3.67	5.20	6.83	9.26	13.5	2.35	3.97	5.53	7.11	9.44	15.0
	24	1.10	1.95	2.79	4.18	5.60	8.30	1.38	2.65	3.79	5.55	7.36	10.8	1.60	3.05	4.54	6.17	8.55	12.8	1.77	3.34	4.87	6.47	8.78	14.3
10 [2]	12	1.57	2.37	3.18	4.29	5.59	8.10	1.89	3.10	4.16	5.61	7.26	10.4	2.12	3.51	4.91	6.43	8.41	12.2	2.28	3.80	5.29	6.63	8.91	13.9
	16	1.25	2.04	2.83	3.96	5.24	7.72	1.55	2.73	3.78	5.24	6.87	10.0	1.77	3.13	4.51	6.03	7.99	11.8	1.93	3.42	4.89	6.24	8.50	13.5
	24	0.68	1.44	2.18	3.35	4.60	7.01	0.93	2.05	3.08	4.56	6.17	9.22	1.13	2.43	3.77	5.28	7.21	11.0	1.29	2.72	4.14	5.52	7.72	12.6
12 [2]	12	0.93	1.58	2.23	2.94	3.95	5.95	1.21	2.15	3.04	3.97	5.26	7.75	1.41	2.55	3.65	4.64	6.14	9.18	1.57	2.82	4.14	5.03	6.91	10.5
	16	0.60	1.22	1.84	2.60	3.59	5.53	0.83	1.74	2.61	3.58	4.84	7.28	1.02	2.11	3.19	4.20	5.68	8.71	1.16	2.38	3.65	4.58	6.42	10.0
	24	0.59	1.15	1.99	2.94	4.77	0.17	1.02	1.84	2.88	4.11	6.45	0.32	1.34	2.38	3.43	4.86	7.85	0.44	1.58	2.77	3.77	5.53	9.09	
14 [3]	12	0.51	1.07	1.63	2.28	3.15	4.80	0.71	1.51	2.28	3.06	4.16	6.24	0.88	1.85	2.81	3.61	4.89	7.53	1.01	2.10	3.25	4.02	5.62	8.70
	16		0.67	1.19	1.90	2.74	4.32	0.30	1.06	1.80	2.63	3.70	5.71	0.45	1.36	2.29	3.12	4.38	6.97	0.56	1.60	2.68	3.51	5.05	8.11
	24			0.44	1.24	2.02	3.49		0.29	0.97	1.90	2.91	4.80		0.53	1.39	2.30	3.49	6.01		0.72	1.70	2.62	4.06	7.07
16 [3]	12		0.57	1.00	1.49	2.14	3.38	0.28	0.89	1.50	2.06	2.88	4.45	0.40	1.16	1.91	2.44	3.41	5.43	0.50	1.37	2.24	2.82	3.94	6.32
	16		0.20	0.58	1.14	1.76	2.94		0.47	1.04	1.67	2.47	3.97		0.69	1.41	2.01	2.95	4.93		0.87	1.69	2.34	3.42	5.77
	24				0.56	1.13	2.20			0.26	1.02	1.76	3.15		0.56	1.27	2.15	4.05			0.75	1.51	2.54	4.83	

1. Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.

2. Allowable axial loads are based on steel properties only.

3. Check lateral end reactions for web crippling.

4. The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.

5. In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.

6. Values in square bracket [] are required number of equally spaced bridging rows.

20 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	400JR162-(mils)						400JR200-(mils)						400JR250-(mils)						400JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.73	2.51	3.32	4.32	5.61	8.24	2.14	3.38	4.45	5.93	7.62	10.9	2.37	3.80	5.23	6.84	8.86	12.8	2.53	4.09	5.62	7.00	9.33	14.5
	16	1.46	2.24	3.04	4.07	5.35	7.96	1.83	3.06	4.14	5.64	7.32	10.6	2.06	3.49	4.91	6.52	8.53	12.5	2.22	3.77	5.29	6.69	9.01	14.2
	24	0.95	1.73	2.50	3.59	4.87	7.42	1.27	2.47	3.55	5.08	6.76	10.0	1.49	2.88	4.29	5.90	7.91	11.9	1.65	3.17	4.66	6.10	8.4	13.5
8 [2]	12	2.05	2.99	3.94	5.60	7.19	10.2	2.36	3.80	5.05	7.16	9.17	13.0	2.59	4.20	5.89	7.71	10.5	15.1	2.76	4.49	6.13	7.96	10.4	16.5
	16	1.72	2.66	3.59	5.25	6.84	9.85	2.02	3.44	4.69	6.79	8.79	12.6	2.26	3.84	5.51	7.34	10.0	14.7	2.42	4.14	5.77	7.60	10.0	16.1
	24	1.12	2.04	2.94	4.60	6.17	9.13	1.39	2.76	4.00	6.09	8.08	11.8	1.63	3.17	4.80	6.63	9.27	14.0	1.79	3.47	5.07	6.91	9.32	15.3
9 [2]	12	1.64	2.51	3.38	4.75	6.19	8.95	1.95	3.27	4.42	6.18	8.01	11.5	2.18	3.67	5.20	6.83	9.26	13.5	2.35	3.97	5.53	7.11	9.44	15.0
	16	1.27	2.13	2.98	4.36	5.79	8.51	1.56	2.85	3.99	5.76	7.57	11.0	1.79	3.25	4.76	6.39	8.78	13.0	1.96	3.55	5.09	6.68	8.99	14.5
	24	0.61	1.44	2.24	3.65	5.05	7.70	0.86	2.08	3.20	4.97	6.76	10.1	1.07	2.47	3.93	5.56	7.89	12.1	1.23	2.76	4.26	5.87	8.15	13.6
10 [2]	12	1.25	2.04	2.83	3.96	5.24	7.72	1.55	2.73	3.78	5.24	6.87	10.0	1.77	3.13	4.51	6.03	7.99	11.8	1.93	3.42	4.89	6.24	8.50	13.5
	16	0.86	1.63	2.39	3.54	4.81	7.24	1.12	2.26	3.31	4.77	6.39	9.47	1.34	2.66	4.01	5.52	7.46	11.3	1.50	2.94	4.38	5.75	7.97	12.9
	24	0.17	0.89	1.60	2.80	4.02	6.35	0.37	1.44	2.45	3.94	5.52	8.51	0.56	1.80	3.10	4.61	6.49	10.3	0.70	2.07	3.45	4.85	7.00	11.9
12 [2]	12	0.60	1.22	1.84	2.60	3.59	5.53	0.83	1.74	2.61	3.58	4.84	7.28	1.02	2.11	3.19	4.20	5.68	8.71	1.16	2.38	3.65	4.58	6.42	10.0
	16	0.20	0.79	1.37	2.19	3.14	5.01	0.38	1.25	2.08	3.10	4.34	6.71	0.54	1.58	2.64	3.67	5.12	8.12	0.67	1.83	3.05	4.03	5.82	9.38
	24			0.55	1.46	2.36	4.10		0.39	1.17	2.28	3.46	5.70		0.66	1.65	2.75	4.13	7.07		0.87	1.98	3.06	4.75	8.27
14 [3]	12		0.67	1.19	1.90	2.74	4.32	0.30	1.06	1.80	2.63	3.70	5.71	0.45	1.36	2.29	3.12	4.38	6.97	0.56	1.60	2.68	3.51	5.05	8.11
	16		0.21	0.68	1.45	2.25	3.75		0.53	1.23	2.13	3.16	5.09		0.79	1.68	2.56	3.77	6.31		1.00	2.01	2.90	4.37	7.40
	24				0.68	1.41	2.78			0.27	1.27	2.23	4.02			0.63	1.59	2.72	5.17			0.86	1.85	3.21	6.17
16 [3]	12		0.20	0.58	1.14	1.76	2.94		0.47	1.04	1.67	2.47	3.97		0.69	1.41	2.01	2.95	4.93		0.87	1.69	2.34	3.42	5.77
	16				0.74	1.33	2.43			0.50	1.22	1.98	3.41			0.83	1.50	2.40	4.33		0.29	1.05	1.77	2.81	5.13
	24				0.58	1.56					0.46	1.16	2.45				0.64	1.46	3.30				0.81	1.78	4.01

25 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	400JR162-(mils)						400JR200-(mils)						400JR250-(mils)						400JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.52	2.31	3.11	4.13	5.42	8.03	1.91	3.14	4.22	5.71	7.40	10.7	2.14	3.57	4.99	6.60	8.61	12.5	2.30	3.85	5.37	6.77	9.09	14.2
	16	1.20	1.98	2.76	3.83	5.11	7.68	1.55	2.76	3.84	5.36	7.04	10.3	1.77	3.18	4.59	6.21	8.22	12.2	1.93	3.47	4.97	6.39	8.70	13.8
	24	0.60	1.37	2.12	3.25	4.51	7.02	0.87	2.05	3.12	4.69	6.35	9.58	1.09	2.45	3.84	5.47	7.46	11.4	1.24	2.73	4.21	5.67	7.94	13.1
8 [2]	12	1.80	2.74	3.68	5.34	6.93	9.94	2.11	3.53	4.77	6.88	8.88	12.7	2.34	3.93	5.61	7.43	10.1	14.8	2.51	4.23	5.86	7.69	10.1	16.2
	16	1.41	2.35	3.26	4.92	6.50	9.49	1.70	3.09	4.34	6.43	8.43	12.2	1.94	3.50	5.15	6.97	9.65	14.4	2.10	3.80	5.42	7.25	9.67	15.7
	24	0.70	1.61	2.48	4.15	5.70	8.62	0.96	2.28	3.51	5.59	7.57	11.3	1.18	2.69	4.29	6.12	8.72	13.4	1.35	2.99	4.57	6.41	8.81	14.8
9 [2]	12	1.36	2.22	3.08	4.46	5.89	8.62	1.66	2.95	4.10	5.86	7.68	11.1	1.89	3.35	4.87	6.50	8.90	13.1	2.05	3.65	5.19	6.79	9.10	14.7
	16	0.93	1.77	2.60	4.00	5.41	8.10	1.20	2.45	3.59	5.35	7.15	10.6	1.42	2.85	4.34	5.97	8.33	12.5	1.59	3.14	4.66	6.27	8.56	14.1
	24	0.16	0.96	1.74	3.16	4.54	7.12	0.37	1.55	2.65	4.42	6.19	9.51	0.58	1.92	3.35	4.99	7.26	11.5	0.73	2.21	3.67	5.30	7.55	13.0
10 [2]	12	0.95	1.73	2.50	3.64	4.91	7.35	1.23	2.38	3.42	4.89	6.51	9.60	1.44	2.77	4.13	5.64	7.59	11.4	1.60	3.06	4.51	5.87	8.10	13.0
	16	0.50	1.25	1.98	3.16	4.40	6.78	0.73	1.84	2.86	4.34	5.94	8.98	0.93	2.22	3.54	5.05	6.96	10.8	1.09	2.50	3.90	5.29	7.48	12.4
	24		0.40	1.06	2.29	3.49	5.75		0.88	1.86	3.38	4.93	7.84		1.21	2.47	3.98	5.83	9.59	0.16	1.47	2.80	4.23	6.33	11.1
12 [2]	12	0.29	0.89	1.48	2.29	3.25	5.14	0.49	1.37	2.21	3.22	4.46	6.85	0.66	1.71	2.77	3.80	5.26	8.26	0.79	1.96	3.19	4.16	5.96	9.53
	16		0.40	0.94	1.81	2.74	4.54		0.80	1.61	2.67	3.89	6.19		1.10	2.13	3.19	4.61	7.58	0.22	1.33	2.50	3.53	5.26	8.81
	24				0.98	1.85	3.50			0.56	1.73	2.87	5.03			1.00	2.13	3.47	6.37		0.23	1.27	2.41	4.03	7.51
14 [3]	12		0.32	0.80	1.56	2.36	3.89		0.66	1.37	2.25	3.29	5.24		0.93	1.82	2.69	3.91	6.47		1.14	2.17	3.04	4.53	7.57
	16			0.22	1.05	1.81	3.24			0.73	1.68	2.67	4.53		0.28	1.13	2.05	3.22	5.72		0.46	1.41	2.35	3.77	6.76
	24				0.18	0.87	2.15				0.72	1.63	3.32				0.96	2.04	4.43			0.10	1.17	2.46	5.36
16 [3]	12			0.21	0.84	1.43	2.55			0.63	1.33	2.10	3.54		0.27	0.96	1.62	2.53	4.47		0.43	1.20	1.91	2.96	5.28
	16				0.38	0.94	1.97				0.82	1.55	2.91			0.31	1.05	1.91	3.79			0.47	1.27	2.27	4.55
	24						0.99					0.62	1.82					0.86	2.63					1.10	3.29

1. Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.

2. Allowable axial loads are based on steel properties only.

3. Check lateral end reactions for web crippling.

4. The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.

5. In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.

6. Values in square bracket [] are required number of equally spaced bridging rows.

30 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	400JR162-(mils)						400JR200-(mils)						400JR250-(mils)						400JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.33	2.11	2.90	3.95	5.23	7.82	1.69	2.91	3.99	5.50	7.18	10.5	1.92	3.33	4.75	6.36	8.37	12.3	2.08	3.62	5.13	6.54	8.85	14.0
	16	0.95	1.73	2.50	3.59	4.87	7.42	1.27	2.47	3.55	5.08	6.76	10.0	1.49	2.88	4.29	5.90	7.91	11.9	1.65	3.17	4.66	6.10	8.39	13.5
	24	0.26	1.02	1.75	2.93	4.17	6.64	0.49	1.64	2.71	4.30	5.96	9.15	0.70	2.03	3.41	5.04	7.03	11.0	0.85	2.31	3.76	5.26	7.51	12.6
8 [2]	12	1.57	2.50	3.43	5.09	6.67	9.67	1.86	3.26	4.51	6.61	8.61	12.4	2.09	3.67	5.33	7.15	9.85	14.5	2.26	3.97	5.59	7.43	9.84	15.9
	16	1.12	2.04	2.94	4.60	6.17	9.13	1.39	2.76	4.00	6.09	8.08	11.8	1.63	3.17	4.80	6.63	9.27	14.0	1.79	3.47	5.07	6.91	9.32	15.3
	24	0.30	1.19	2.05	3.71	5.26	8.13	0.54	1.83	3.04	5.12	7.08	10.8	0.76	2.23	3.80	5.64	8.20	12.9	0.92	2.53	4.09	5.93	8.32	14.3
9 [2]	12	1.10	1.95	2.79	4.18	5.60	8.30	1.38	2.65	3.79	5.55	7.36	10.8	1.60	3.05	4.54	6.17	8.55	12.8	1.77	3.34	4.87	6.47	8.78	14.3
	16	0.61	1.44	2.24	3.65	5.05	7.70	0.86	2.08	3.20	4.97	6.76	10.1	1.07	2.47	3.93	5.56	7.89	12.1	1.23	2.76	4.26	5.87	8.15	13.6
	24		0.52	1.26	2.70	4.05	6.58		1.05	2.13	3.91	5.66	8.92	0.11	1.41	2.80	4.45	6.67	10.9	0.25	1.69	3.12	4.76	6.97	12.4
10 [2]	12	0.68	1.44	2.18	3.35	4.60	7.01	0.93	2.05	3.08	4.56	6.17	9.22	1.13	2.43	3.77	5.28	7.21	11.0	1.29	2.72	4.14	5.52	7.72	12.6
	16		0.89	1.60	2.80	4.02	6.35	0.37	1.44	2.45	3.94	5.52	8.51	0.56	1.80	3.10	4.61	6.49	10.3	0.70	2.07	3.45	4.85	7.00	11.9
	24			0.56	1.83	2.99	5.18		0.36	1.31	2.85	4.37	7.22		0.67	1.88	3.40	5.21	8.95		0.91	2.19	3.65	5.70	10.5
12 [2]	12		0.59	1.15	1.99	2.94	4.77		1.02	1.84	2.88	4.11	6.45	0.32	1.34	2.38	3.43	4.86	7.85	0.44	1.58	2.77	3.77	5.53	9.09
	16			0.55	1.46	2.36	4.10		0.39	1.17	2.28	3.46	5.70		0.66	1.65	2.75	4.13	7.07		0.87	1.98	3.06	4.75	8.27
	24				0.54	1.37	2.94				1.23	2.33	4.40			0.39	1.56	2.86	5.71			0.61	1.81	3.36	6.81
14 [3]	12			0.44	1.24	2.02	3.49		0.29	0.97	1.90	2.91	4.80		0.53	1.39	2.30	3.49	6.01		0.72	1.70	2.62	4.06	7.07
	16				0.68	1.41	2.78			0.27	1.27	2.23	4.02			0.63	1.59	2.72	5.17			0.86	1.85	3.21	6.17
	24					0.38	1.57				0.21	1.08	2.68				0.39	1.42	3.74				0.55	1.77	4.62
16 [3]	12				0.56	1.13	2.20			0.26	1.02	1.76	3.15			0.56	1.27	2.15	4.05			0.75	1.51	2.54	4.83
	16					0.58	1.56				0.46	1.16	2.45				0.64	1.46	3.30				0.81	1.78	4.01
	24						0.48						1.25					0.31	2.02				0.49	1.26	2.62

35 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	400JR162-(mils)						400JR200-(mils)						400JR250-(mils)						400JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.14	1.92	2.70	3.77	5.05	7.62	1.48	2.69	3.77	5.29	6.97	10.2	1.70	3.10	4.52	6.13	8.14	12.1	1.86	3.39	4.89	6.32	8.62	13.8
	16	0.71	1.48	2.24	3.37	4.63	7.15	1.00	2.19	3.26	4.82	6.49	9.72	1.22	2.59	3.99	5.61	7.61	11.6	1.38	2.88	4.36	5.81	8.09	13.2
	24	0.68	1.39	2.61	3.84	6.27	0.13	1.26	2.31	3.93	5.58	8.74	0.32	1.63	2.99	4.63	6.60	10.6	0.47	1.91	3.34	4.85	7.08	12.2	
8 [2]	12	1.34	2.27	3.18	4.84	6.42	9.40	1.62	3.01	4.25	6.34	8.34	12.1	1.86	3.42	5.06	6.89	9.56	14.3	2.03	3.72	5.33	7.17	9.58	15.6
	16	0.84	1.75	2.63	4.30	5.86	8.79	1.10	2.44	3.67	5.75	7.74	11.5	1.33	2.85	4.46	6.29	8.90	13.6	1.49	3.15	4.74	6.58	8.98	15.0
	24	0.80	1.63	3.30	4.82	7.66	0.14	1.40	2.59	4.66	6.62	10.3	0.35	1.79	3.33	5.17	7.69	12.4	0.51	2.08	3.62	5.47	7.84	13.8	
9 [2]	12	0.85	1.69	2.51	3.91	5.32	7.99	1.11	2.36	3.49	5.25	7.05	10.5	1.33	2.75	4.23	5.86	8.22	12.4	1.50	3.05	4.56	6.17	8.46	14.0
	16	0.31	1.12	1.90	3.32	4.70	7.31	0.53	1.72	2.83	4.60	6.38	9.72	0.74	2.10	3.54	5.18	7.47	11.7	0.89	2.39	3.87	5.49	7.74	13.2
	24	0.80	2.26	3.59	6.07	0.58	1.64	3.43	5.15	8.36	0.92	2.28	3.94	6.11	10.3	0.38	1.62	3.10	5.10	0.98	2.37	3.41	5.13	8.67	
10 [2]	12	0.42	1.16	1.88	3.07	4.31	6.67	0.64	1.73	2.76	4.24	5.84	8.86	0.84	2.11	3.43	4.94	6.84	10.6	0.99	2.39	3.79	5.18	7.36	12.2
	16	0.56	1.24	2.46	3.66	5.94	1.06	2.05	3.56	5.12	8.06	0.20	1.40	2.67	4.19	6.05	9.82	0.33	1.67	3.01	4.44	6.55	11.4		
	24	1.39	2.52	4.64	0.79	2.36	3.85	6.62	0.16	1.33	2.86	4.63	8.34	0.38	1.62	3.10	5.10	9.81							
12 [2]	12	0.30	0.84	1.72	2.64	4.43	0.69	1.50	2.57	3.78	6.07	0.99	2.00	3.08	4.49	7.45	1.22	2.37	3.41	5.13	8.67				
	16	1.14	2.01	3.69	0.76	1.91	3.06	5.25	0.24	1.21	2.33	3.69	6.60	0.44	1.50	2.62	4.26	7.76							
	24	0.13	0.92	2.41	0.76	1.83	3.82	1.03	2.30	5.10															
14 [3]	12	0.95	1.71	3.12	0.61	1.58	2.56	4.40	1.00	1.93	3.09	5.58	0.33	1.27	2.22	3.62	6.61								
	16	0.34	1.04	2.35	0.90	1.82	3.54	1.16	2.26	4.67	0.34	1.39	2.70	5.62											
	24	1.04	0.57	2.09	0.85	3.11	1.13	3.93																	
16 [3]	12	0.30	0.85	1.87	0.73	1.45	2.79	0.94	1.79	3.66	0.34	1.15	2.14	4.41											
	16	0.26	1.17	2.02	0.79	2.02	0.26	1.05	2.85	0.39	1.32	3.52													
	24	1.15	0.73	2.09	1.46	2.01																			

1. Allowable loads based on weak axis and torsional bracing at 48" o.c.
maximum for axial load calculation and continuous support of each
flange for flexural calculation.

2. Allowable axial loads are based on steel properties only.

3. Check lateral end reactions for web crippling.

4. The tables do not contain any embedded load factors. Appropriate ASD
load combination factors must be applied before using the tables.

5. In addition to other conditions, the maximum single span height must be
checked for the given deflection limit using the specified wind load.

6. Values in square bracket [] are required number of equally spaced bridging rows.

40 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	400JR162-(mils)						400JR200-(mils)						400JR250-(mils)						400JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	0.95	1.73	2.50	3.59	4.87	7.42	1.27	2.47	3.55	5.08	6.76	10.0	1.49	2.88	4.29	5.90	7.91	11.9	1.65	3.17	4.66	6.10	8.39	13.5
	16	0.48	1.25	1.99	3.14	4.40	6.90	0.74	1.91	2.98	4.56	6.22	9.43	0.95	2.31	3.69	5.32	7.31	11.3	1.11	2.59	4.06	5.53	7.80	12.9
	24		0.36	1.05	2.30	3.52	5.91		0.88	1.93	3.57	5.21	8.33		1.24	2.58	4.24	6.19	10.2	0.10	1.51	2.92	4.46	6.67	11.8
8 [2]	12	1.12	2.04	2.94	4.60	6.17	9.13	1.39	2.76	4.00	6.09	8.08	11.8	1.63	3.17	4.80	6.63	9.27	14.0	1.79	3.47	5.07	6.91	9.32	15.3
	16	0.56	1.47	2.34	4.00	5.55	8.46	0.81	2.13	3.35	5.43	7.41	11.1	1.04	2.53	4.12	5.96	8.55	13.3	1.20	2.83	4.41	6.25	8.64	14.6
	24		0.42	1.22	2.90	4.41	7.20		0.98	2.16	4.23	6.17	9.76		1.36	2.87	4.72	7.19	11.9	0.11	1.65	3.16	5.02	7.37	13.3
9 [2]	12	0.61	1.44	2.24	3.65	5.05	7.70	0.86	2.08	3.20	4.97	6.76	10.1	1.07	2.47	3.93	5.56	7.89	12.1	1.23	2.76	4.26	5.87	8.15	13.6
	16		0.81	1.57	3.00	4.37	6.94	0.22	1.38	2.47	4.25	6.01	9.31	0.42	1.75	3.17	4.81	7.06	11.3	0.57	2.03	3.49	5.12	7.35	12.8
	24			0.37	1.85	3.15	5.57		0.13	1.17	2.97	4.67	7.82		0.46	1.78	3.45	5.57	9.74		0.71	2.07	3.74	5.90	11.2
10 [2]	12		0.89	1.60	2.80	4.02	6.35	0.37	1.44	2.45	3.94	5.52	8.51	0.56	1.80	3.10	4.61	6.49	10.3	0.70	2.07	3.45	4.85	7.00	11.9
	16		0.24	0.89	2.14	3.32	5.55		0.70	1.67	3.20	4.74	7.63		1.03	2.27	3.79	5.62	9.38		1.28	2.60	4.04	6.12	10.9
	24				0.97	2.08	4.14			0.30	1.90	3.35	6.06			0.81	2.34	4.07	7.75			1.07	2.58	4.53	9.18
12 [2]	12			0.55	1.46	2.36	4.10		0.39	1.17	2.28	3.46	5.70		0.66	1.65	2.75	4.13	7.07		0.87	1.98	3.06	4.75	8.27
	16				0.83	1.68	3.31			0.37	1.56	2.69	4.82			0.79	1.93	3.26	6.14			1.05	2.20	3.80	7.27
	24					0.50	1.92				0.32	1.35	3.27				0.54	1.76	4.52				0.72	2.16	5.53
14 [3]	12				0.68	1.41	2.78			0.27	1.27	2.23	4.02			0.63	1.59	2.72	5.17			0.86	1.85	3.21	6.17
	16					0.70	1.95				0.54	1.44	3.10				0.76	1.83	4.19				0.95	2.22	5.11
	24						0.54					1.54						0.31	2.52					0.54	3.29
16 [3]	12					0.58	1.56				0.46	1.16	2.45				0.64	1.46	3.30				0.81	1.78	4.01
	16						0.82					0.45	1.63					0.67	2.42					0.89	3.06
	24						0.64					0.24						0.93							1.44

50 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	400JR162-(mils)						400JR200-(mils)						400JR250-(mils)						400JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	0.60	1.37	2.12	3.25	4.51	7.02	0.87	2.05	3.12	4.69	6.35	9.58	1.09	2.45	3.84	5.47	7.46	11.4	1.24	2.73	4.21	5.67	7.94	13.1
	16		0.79	1.51	2.71	3.95	6.40	0.25	1.38	2.44	4.05	5.71	8.87	0.45	1.76	3.13	4.77	6.74	10.7	0.59	2.04	3.48	4.99	7.23	12.3
	24			0.39	1.72	2.91	5.22		0.17	1.20	2.89	4.51	7.55		0.50	1.80	3.48	5.40	9.37		0.76	2.12	3.71	5.87	10.9
8 [2]	12	0.70	1.61	2.48	4.15	5.70	8.62	0.96	2.28	3.51	5.59	7.57	11.3	1.18	2.69	4.29	6.12	8.72	13.4	1.35	2.99	4.57	6.41	8.81	14.8
	16		0.93	1.76	3.43	4.97	7.82	0.27	1.54	2.74	4.81	6.77	10.4	0.48	1.93	3.48	5.32	7.85	12.6	0.64	2.23	3.77	5.62	7.99	13.9
	24			0.46	2.15	3.62	6.33		0.19	1.33	3.40	5.31	8.82		0.55	2.00	3.87	6.25	10.9		0.82	2.29	4.16	6.47	12.3
9 [2]	12		0.96	1.74	3.16	4.54	7.12	0.37	1.55	2.65	4.42	6.19	9.51	0.58	1.92	3.35	4.99	7.26	11.5	0.73	2.21	3.67	5.30	7.55	13.0
	16		0.23	0.95	2.40	3.74	6.24		0.73	1.80	3.59	5.32	8.55		1.08	2.45	4.11	6.30	10.5		1.35	2.76	4.41	6.61	12.0
	24				1.07	2.33	4.64			0.28	2.11	3.75	6.80			0.83	2.53	4.56	8.68			1.10	2.80	4.90	10.1
10 [2]	12		0.40	1.06	2.29	3.49	5.75		0.88	1.86	3.38	4.93	7.84		1.21	2.47	3.98	5.83	9.59		1.47	2.80	4.23	6.33	11.1
	16			0.25	1.53	2.68	4.82			0.96	2.52	4.02	6.82		0.32	1.51	3.04	4.82	8.54		0.56	1.81	3.28	5.30	10.0
	24				0.21	1.25	3.18				1.03	2.43	5.01				1.38	3.04	6.65				1.60	3.46	8.01
12 [2]	12				0.98	1.85	3.50			0.56	1.73	2.87	5.03			1.00	2.13	3.47	6.37		0.23	1.27	2.41	4.03	7.51
	16				0.27	1.07	2.58				0.91	1.99	4.01				1.21	2.48	5.30			0.20	1.43	2.95	6.37
	24						1.01				0.48	2.26						0.78	3.44				1.08	4.37	
14 [3]	12					0.87	2.15				0.72	1.63	3.32				0.96	2.04	4.43				1.17	2.46	5.36
	16						1.21					0.74	2.28					1.03	3.32				1.34	4.16	
	24											0.52							1.44					2.11	
16 [3]	12						0.99					0.62	1.82					0.86	2.63					1.10	3.29
	16											0.90							1.64						2.21
	24																								0.39

- Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.
- Allowable axial loads are based on steel properties only.
- Check lateral end reactions for web crippling.
- The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.
- In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.
- Values in square bracket [] are required number of equally spaced bridging rows.

5 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	600JR162-(mils)						600JR200-(mils)						600JR250-(mils)						600JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	3.16	4.14	5.16	6.70	8.24	10.9	3.70	5.31	6.68	9.07	11.3	15.7	3.99	5.81	7.74	9.89	13.0	18.4	4.18	6.14	7.98	10.2	13.0	20.0
	16	3.11	4.09	5.11	6.65	8.20	10.9	3.65	5.26	6.62	9.01	11.2	15.6	3.94	5.75	7.68	9.83	12.9	18.4	4.12	6.09	7.92	10.2	13.0	19.9
	24	3.01	3.99	5.01	6.56	8.11	10.8	3.53	5.14	6.51	8.90	11.1	15.5	3.82	5.64	7.56	9.72	12.8	18.3	4.01	5.97	7.80	10.1	12.9	19.8
8 [2]	12	3.69	4.88	6.07	8.57	10.6	14.6	4.04	5.82	7.43	10.6	13.3	18.3	4.28	6.24	8.36	11.0	14.3	21.0	4.44	6.53	8.46	11.2	14.3	22.0
	16	3.62	4.82	6.01	8.51	10.6	14.5	3.98	5.75	7.37	10.6	13.2	18.2	4.22	6.18	8.30	10.9	14.2	20.9	4.38	6.47	8.39	11.1	14.2	22.0
	24	3.50	4.69	5.89	8.38	10.4	14.4	3.85	5.63	7.24	10.4	13.1	18.1	4.09	6.05	8.17	10.8	14.1	20.8	4.26	6.34	8.27	11.0	14.1	21.8
9 [2]	12	3.50	4.63	5.78	8.00	10.0	13.7	3.88	5.61	7.15	10.1	12.6	17.4	4.13	6.04	8.11	10.5	13.8	20.0	4.29	6.33	8.22	10.8	13.7	21.2
	16	3.42	4.55	5.70	7.93	9.9	13.6	3.80	5.53	7.07	10.0	12.5	17.3	4.05	5.96	8.03	10.4	13.7	19.9	4.21	6.25	8.14	10.7	13.7	21.1
	24	3.27	4.40	5.55	7.77	9.7	13.4	3.65	5.36	6.91	9.9	12.3	17.1	3.89	5.80	7.87	10.3	13.6	19.7	4.06	6.10	7.99	10.5	13.5	20.9
10 [2]	12	3.30	4.36	5.46	7.41	9.24	12.7	3.71	5.37	6.83	9.50	11.8	16.4	3.96	5.81	7.81	10.1	13.2	19.0	4.12	6.11	7.96	10.3	13.2	20.3
	16	3.21	4.27	5.37	7.32	9.15	12.6	3.61	5.28	6.73	9.40	11.8	16.3	3.86	5.72	7.71	10.0	13.1	18.9	4.03	6.02	7.87	10.2	13.1	20.2
	24	3.02	4.09	5.19	7.14	8.97	12.4	3.42	5.08	6.54	9.20	11.6	16.1	3.67	5.52	7.50	9.76	12.9	18.7	3.84	5.83	7.67	10.0	12.9	20.0
12 [2]	12	2.84	3.80	4.79	6.21	7.80	10.7	3.32	4.85	6.15	8.24	10.3	14.4	3.58	5.31	7.09	9.04	12.0	16.8	3.76	5.62	7.38	9.35	11.9	18.4
	16	2.72	3.68	4.67	6.09	7.68	10.6	3.18	4.71	6.01	8.10	10.2	14.3	3.45	5.17	6.94	8.89	11.8	16.7	3.62	5.48	7.24	9.21	11.8	18.2
	24	2.47	3.43	4.42	5.86	7.45	10.3	2.92	4.44	5.74	7.83	9.92	14.0	3.19	4.90	6.66	8.61	11.5	16.4	3.36	5.21	6.96	8.93	11.5	17.9
14 [3]	12	2.75	3.75	4.77	6.33	7.99	11.2	3.13	4.64	5.94	8.00	10.1	14.1	3.37	5.06	6.80	8.69	11.5	16.3	3.54	5.36	7.10	8.97	11.5	17.8
	16	2.57	3.56	4.58	6.14	7.79	11.0	2.94	4.44	5.74	7.78	9.86	13.9	3.18	4.86	6.59	8.47	11.3	16.0	3.35	5.17	6.89	8.77	11.3	17.6
	24	2.22	3.21	4.21	5.77	7.42	10.6	2.58	4.06	5.35	7.38	9.46	13.5	2.82	4.48	6.19	8.06	10.9	15.6	3.00	4.79	6.50	8.37	10.9	17.1
16 [3]	12	2.31	3.21	4.13	5.30	6.74	9.57	2.71	4.05	5.23	6.81	8.65	12.2	2.95	4.50	6.04	7.71	10.0	14.2	3.12	4.80	6.44	7.96	10.5	16.0
	16	2.10	2.99	3.90	5.07	6.52	9.32	2.48	3.81	4.99	6.56	8.39	11.9	2.72	4.25	5.78	7.44	9.67	13.9	2.90	4.56	6.18	7.70	10.2	15.7
	24	1.71	2.58	3.48	4.66	6.09	8.86	2.06	3.36	4.52	6.10	7.91	11.4	2.29	3.79	5.29	6.93	9.14	13.4	2.47	4.09	5.69	7.21	9.65	15.2

15 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	600JR162-(mils)						600JR200-(mils)						600JR250-(mils)						600JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	2.85	3.83	4.85	6.42	7.97	10.7	3.36	4.97	6.35	8.74	11.0	15.3	3.65	5.47	7.38	9.55	12.6	18.1	3.84	5.80	7.63	9.90	12.7	19.6
	16	2.69	3.68	4.70	6.28	7.84	10.5	3.19	4.80	6.18	8.58	10.8	15.2	3.48	5.29	7.21	9.38	12.5	18.0	3.67	5.63	7.46	9.74	12.5	19.5
	24	2.39	3.39	4.40	6.00	7.57	10.3	2.86	4.46	5.85	8.26	10.5	14.9	3.15	4.96	6.86	9.05	12.1	17.6	3.34	5.29	7.11	9.40	12.2	19.1
8 [2]	12	3.31	4.51	5.71	8.20	10.3	14.2	3.67	5.44	7.06	10.2	12.9	17.9	3.91	5.86	7.98	10.6	13.9	20.6	4.07	6.16	8.09	10.8	13.9	21.7
	16	3.13	4.33	5.52	8.01	10.1	14.0	3.48	5.25	6.87	10.0	12.7	17.7	3.73	5.68	7.79	10.4	13.7	20.4	3.89	5.98	7.90	10.6	13.7	21.5
	24	2.77	3.98	5.16	7.65	9.73	13.7	3.12	4.88	6.50	9.66	12.3	17.3	3.37	5.31	7.41	10.0	13.3	20.0	3.54	5.62	7.54	10.3	13.3	21.1
9 [2]	12	3.04	4.18	5.32	7.55	9.50	13.2	3.41	5.13	6.67	9.61	12.1	16.9	3.66	5.56	7.62	10.0	13.3	19.5	3.83	5.87	7.75	10.3	13.3	20.7
	16	2.81	3.96	5.10	7.32	9.28	13.0	3.18	4.89	6.44	9.36	11.9	16.6	3.44	5.33	7.38	9.80	13.1	19.3	3.61	5.64	7.52	10.1	13.0	20.5
	24	2.38	3.52	4.66	6.88	8.84	12.5	2.74	4.43	5.98	8.89	11.4	16.2	2.99	4.87	6.91	9.33	12.6	18.8	3.17	5.19	7.06	9.60	12.6	20.0
10 [2]	12	2.75	3.82	4.91	6.87	8.71	12.2	3.14	4.79	6.25	8.90	11.3	15.8	3.39	5.23	7.21	9.46	12.6	18.4	3.57	5.54	7.38	9.74	12.6	19.7
	16	2.48	3.56	4.65	6.61	8.45	11.9	2.86	4.51	5.97	8.62	11.0	15.5	3.12	4.95	6.91	9.17	12.3	18.1	3.30	5.26	7.10	9.46	12.3	19.4
	24	1.97	3.05	4.13	6.10	7.94	11.4	2.33	3.96	5.42	8.05	10.4	15.0	2.59	4.40	6.34	8.61	11.7	17.5	2.77	4.72	6.54	8.90	11.8	18.8
12 [2]	12	2.12	3.09	4.06	5.52	7.11	10.0	2.54	4.04	5.35	7.44	9.53	13.6	2.81	4.50	6.25	8.20	11.1	16.0	2.99	4.82	6.56	8.53	11.1	17.5
	16	1.79	2.75	3.72	5.20	6.78	9.66	2.19	3.67	4.97	7.06	9.15	13.2	2.44	4.12	5.85	7.81	10.7	15.6	2.62	4.44	6.16	8.14	10.7	17.1
	24	1.17	2.12	3.06	4.58	6.16	9.01	1.51	2.95	4.25	6.35	8.43	12.4	1.76	3.39	5.09	7.05	9.85	14.8	1.93	3.71	5.40	7.39	10.0	16.3
14 [3]	12	1.75	2.72	3.70	5.27	6.90	10.0	2.08	3.52	4.81	6.82	8.89	12.8	2.32	3.94	5.62	7.48	10.2	15.0	2.50	4.25	5.94	7.81	10.3	16.5
	16	1.32	2.27	3.23	4.79	6.42	9.50	1.62	3.03	4.30	6.30	8.35	12.3	1.85	3.44	5.09	6.94	9.63	14.4	2.03	3.75	5.41	7.27	9.79	15.9
	24	0.54	1.45	2.36	3.94	5.53	8.52	0.79	2.12	3.36	5.36	7.37	11.2	1.01	2.52	4.10	5.95	8.54	13.3	1.17	2.81	4.41	6.29	8.76	14.8
16 [3]	12	1.19	2.04	2.90	4.11	5.51	8.22	1.49	2.74	3.89	5.47	7.26	10.7	1.72	3.16	4.62	6.25	8.41	12.6	1.89	3.46	5.01	6.54	8.93	14.4
	16	0.73	1.55	2.37	3.61	4.99	7.63	0.99	2.19	3.31	4.91	6.67	10.1	1.20	2.58	4.01	5.63	7.74	12.0	1.35	2.88	4.38	5.92	8.27	13.7
	24	0.68	1.43	2.23	3.61	4.95	6.57	1.21	2.28	3.31	4.91	6.67	10.1	0.27	1.56	2.91	4.53	6.56	10.7	0.40	1.83	3.24	4.82	7.07	12.3

1. Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.

2. Allowable axial loads are based on steel properties only.

3. Check lateral end reactions for web crippling.

4. The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.

5. In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.

6. Values in square bracket [] are required number of equally spaced bridging rows.

20 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	600JR162-(mils)						600JR200-(mils)						600JR250-(mils)						600JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	2.69	3.68	4.70	6.28	7.84	10.5	3.19	4.80	6.18	8.58	10.8	15.2	3.48	5.29	7.21	9.38	12.5	18.0	3.67	5.63	7.46	9.74	12.5	19.5
	16	2.49	3.49	4.50	6.10	7.66	10.4	2.97	4.58	5.96	8.37	10.6	15.0	3.26	5.07	6.97	9.16	12.2	17.7	3.45	5.40	7.23	9.51	12.3	19.3
	24	2.09	3.09	4.10	5.73	7.31	10.0	2.54	4.13	5.52	7.95	10.2	14.5	2.82	4.62	6.52	8.72	11.8	17.3	3.01	4.96	6.78	9.08	11.9	18.8
8 [2]	12	3.13	4.33	5.52	8.01	10.1	14.0	3.48	5.25	6.9	10.0	12.7	17.7	3.73	5.68	7.79	10.4	13.7	20.4	3.89	5.98	7.90	10.6	13.7	21.5
	16	2.89	4.09	5.28	7.77	9.84	13.8	3.24	5.00	6.62	9.78	12.4	17.5	3.49	5.43	7.53	10.1	13.4	20.1	3.66	5.74	7.66	10.4	13.5	21.2
	24	2.42	3.63	4.81	7.29	9.37	13.3	2.77	4.52	6.13	9.28	11.9	16.9	3.02	4.95	7.03	9.64	12.9	19.6	3.19	5.26	7.18	9.89	13.0	20.7
9 [2]	12	2.81	3.96	5.10	7.32	9.28	13.0	3.18	4.89	6.44	9.36	11.9	16.6	3.44	5.33	7.38	9.80	13.1	19.3	3.61	5.64	7.52	10.1	13.0	20.5
	16	2.52	3.67	4.80	7.03	8.99	12.7	2.89	4.59	6.13	9.05	11.5	16.3	3.14	5.03	7.06	9.49	12.7	18.9	3.31	5.33	7.21	9.76	12.7	20.1
	24	1.96	3.10	4.23	6.46	8.42	12.1	2.31	3.99	5.53	8.43	10.9	15.7	2.56	4.43	6.44	8.88	12.1	18.3	2.74	4.74	6.61	9.15	12.1	19.5
10 [2]	12	2.48	3.56	4.65	6.61	8.45	11.9	2.86	4.51	5.97	8.62	11.0	15.5	3.12	4.95	6.91	9.17	12.3	18.1	3.30	5.26	7.10	9.46	12.3	19.4
	16	2.14	3.22	4.30	6.27	8.11	11.5	2.51	4.14	5.60	8.24	10.6	15.1	2.76	4.58	6.53	8.79	11.9	17.7	2.94	4.90	6.73	9.09	11.9	19.0
	24	1.49	2.57	3.63	5.61	7.45	10.9	1.83	3.43	4.88	7.51	9.88	14.4	2.08	3.87	5.78	8.06	11.1	16.9	2.26	4.19	6.00	8.36	11.2	18.2
12 [2]	12	1.79	2.75	3.72	5.20	6.78	9.66	2.19	3.67	4.97	7.06	9.15	13.2	2.44	4.12	5.85	7.81	10.7	15.6	2.62	4.44	6.16	8.14	10.7	17.1
	16	1.37	2.33	3.27	4.78	6.36	9.22	1.73	3.18	4.48	6.58	8.67	12.7	1.98	3.63	5.33	7.30	10.1	15.0	2.16	3.95	5.65	7.64	10.2	16.6
	24	0.60	1.53	2.44	4.00	5.56	8.38	0.89	2.28	3.57	5.68	7.75	11.7	1.12	2.71	4.36	6.34	9.08	14.0	1.29	3.02	4.68	6.68	9.23	15.5
14 [3]	12	1.32	2.27	3.23	4.79	6.42	9.50	1.62	3.03	4.30	6.30	8.35	12.3	1.85	3.44	5.09	6.94	9.63	14.4	2.03	3.75	5.41	7.27	9.79	15.9
	16	0.79	1.72	2.64	4.21	5.81	8.84	1.06	2.41	3.67	5.66	7.69	11.5	1.28	2.81	4.42	6.27	8.89	13.7	1.44	3.12	4.74	6.60	9.09	15.2
	24		0.72	1.57	3.17	4.72	7.63		1.31	2.51	4.51	6.49	10.2	0.24	1.68	3.19	5.06	7.54	12.3	0.39	1.96	3.50	5.38	7.80	13.8
16 [3]	12	0.73	1.55	2.37	3.61	4.99	7.63	0.99	2.19	3.31	4.91	6.67	10.1	1.20	2.58	4.01	5.63	7.74	12.0	1.35	2.88	4.38	5.92	8.27	13.7
	16		0.95	1.73	3.01	4.35	6.91	0.38	1.52	2.61	4.23	5.95	9.24	0.56	1.89	3.26	4.88	6.9	11.1	0.71	2.16	3.60	5.17	7.45	12.8
	24			0.60	1.95	3.22	5.63		0.35	1.37	3.04	4.68	7.81		0.66	1.93	3.56	5.51	9.61		0.89	2.22	3.83	5.99	11.1

25 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	600JR162-(mils)						600JR200-(mils)						600JR250-(mils)						600JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	2.54	3.54	4.55	6.14	7.71	10.4	3.03	4.63	6.01	8.42	10.7	15.0	3.31	5.12	7.03	9.22	12.3	17.8	3.50	5.46	7.28	9.57	12.4	19.3
	16	2.29	3.29	4.30	5.91	7.48	10.2	2.76	4.35	5.74	8.16	10.4	14.8	3.04	4.84	6.74	8.94	12.0	17.5	3.23	5.18	7.00	9.29	12.1	19.0
	24	1.80	2.81	3.81	5.47	7.05	9.76	2.22	3.81	5.20	7.64	9.89	14.2	2.50	4.29	6.18	8.40	11.4	17.0	2.69	4.63	6.44	8.75	11.6	18.5
8 [2]	12	2.95	4.15	5.34	7.83	9.90	13.9	3.30	5.06	6.68	9.85	12.5	17.5	3.55	5.50	7.60	10.2	13.5	20.2	3.72	5.80	7.72	10.4	13.5	21.3
	16	2.66	3.86	5.05	7.53	9.61	13.6	3.00	4.76	6.38	9.53	12.2	17.2	3.25	5.19	7.28	9.89	13.2	19.9	3.42	5.50	7.42	10.1	13.2	21.0
	24	2.08	3.29	4.46	6.94	9.03	13.0	2.42	4.16	5.77	8.91	11.6	16.6	2.67	4.60	6.66	9.28	12.5	19.2	2.85	4.91	6.82	9.53	12.6	20.4
9 [2]	12	2.60	3.74	4.88	7.10	9.06	12.8	2.96	4.66	6.20	9.13	11.6	16.4	3.21	5.10	7.14	9.57	12.8	19.0	3.39	5.41	7.29	9.83	12.8	20.2
	16	2.24	3.38	4.51	6.74	8.70	12.4	2.59	4.28	5.83	8.74	11.2	16.0	2.85	4.72	6.75	9.18	12.4	18.6	3.02	5.04	6.91	9.45	12.4	19.8
	24	1.55	2.70	3.81	6.04	8.00	11.7	1.89	3.55	5.09	7.98	10.5	15.2	2.14	3.99	5.98	8.43	11.6	17.8	2.32	4.31	6.17	8.71	11.7	19.1
10 [2]	12	2.22	3.30	4.39	6.35	8.19	11.6	2.60	4.23	5.69	8.33	10.7	15.2	2.85	4.67	6.62	8.89	12.0	17.8	3.03	4.99	6.82	9.18	12.0	19.1
	16	1.81	2.89	3.96	5.94	7.77	11.2	2.16	3.78	5.24	7.87	10.2	14.8	2.42	4.22	6.15	8.42	11.5	17.3	2.60	4.54	6.36	8.72	11.6	18.6
	24	1.03	2.10	3.14	5.14	6.97	10.4	1.35	2.92	4.37	6.99	9.35	13.8	1.59	3.36	5.24	7.52	10.5	16.4	1.77	3.67	5.47	7.83	10.7	17.7
12 [2]	12	1.48	2.43	3.38	4.88	6.47	9.33	1.84	3.30	4.60	6.70	8.79	12.8	2.09	3.75	5.46	7.43	10.3	15.2	2.27	4.07	5.78	7.76	10.3	16.7
	16	0.98	1.92	2.85	4.38	5.96	8.80	1.30	2.72	4.02	6.12	8.20	12.2	1.54	3.16	4.84	6.81	9.59	14.5	1.71	3.47	5.16	7.15	9.71	16.1
	24		0.98	1.86	3.45	5.00	7.78	0.31	1.66	2.92	5.05	7.10	11.0	0.52	2.06	3.68	5.67	8.34	13.3	0.67	2.36	3.99	6.00	8.53	14.8
14 [3]	12	0.92	1.85	2.78	4.36	5.96	9.00	1.19	2.56	3.82	5.82	7.85	11.7	1.42	2.97	4.58	6.44	9.07	13.8	1.59	3.27	4.90	6.77	9.26	15.4
	16	0.30	1.20	2.08	3.68	5.25	8.22	0.54	1.84	3.07	5.07	7.07	10.9	0.74	2.23	3.79	5.65	8.19	13.0	0.90	2.52	4.10	5.98	8.43	14.4
	24			0.84	2.47	3.98	6.79		0.56	1.73	3.74	5.66	9.30		0.90	2.36	4.23	6.62	11.3		1.17	2.65	4.54	6.91	12.8
16 [3]	12	0.31	1.10	1.88	3.15	4.50	7.08	0.53	1.68	2.78	4.39	6.13	9.44	0.72	2.05	3.44	5.06	7.13	11.3	0.86	2.33	3.79	5.35	7.65	13.0
	16		0.42	1.14	2.46	3.77	6.25		0.92	1.97	3.61	5.29	8.50		1.25	2.57	4.19	6.20	10.3		1.50	2.89	4.48	6.70	11.9
	24				1.25	2.47	4.77			0.55	2.25	3.84	6.85			1.03	2.68	4.55	8.59		1.29	2.94	5.01	10.0	

- Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.
- Allowable axial loads are based on steel properties only.
- Check lateral end reactions for web crippling.
- The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.
- In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.
- Values in square bracket [] are required number of equally spaced bridging rows.

30 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	600JR162-(mils)						600JR200-(mils)						600JR250-(mils)						600JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	2.39	3.39	4.40	6.00	7.57	10.3	2.86	4.46	5.85	8.26	10.5	14.9	3.15	4.96	6.86	9.05	12.1	17.6	3.34	5.29	7.11	9.40	12.2	19.1
	16	2.09	3.09	4.10	5.73	7.31	10.0	2.54	4.13	5.52	7.95	10.2	14.5	2.82	4.62	6.52	8.72	11.8	17.3	3.01	4.96	6.78	9.08	11.9	18.8
	24	1.51	2.52	3.52	5.20	6.79	9.51	1.91	3.49	4.89	7.34	9.59	13.9	2.18	3.97	5.84	8.07	11.1	16.7	2.37	4.30	6.11	8.43	11.2	18.2
8 [2]	12	2.77	3.98	5.16	7.65	9.73	13.7	3.12	4.88	6.50	9.66	12.3	17.3	3.37	5.31	7.41	10.0	13.3	20.0	3.54	5.62	7.54	10.3	13.3	21.1
	16	2.42	3.63	4.81	7.29	9.37	13.3	2.77	4.52	6.13	9.28	11.9	16.9	3.02	4.95	7.03	9.64	12.9	19.6	3.19	5.26	7.18	9.89	13.0	20.7
	24	1.75	2.95	4.12	6.60	8.69	12.6	2.08	3.80	5.42	8.54	11.2	16.2	2.33	4.25	6.30	8.92	12.2	18.9	2.51	4.56	6.47	9.18	12.3	20.0
9 [2]	12	2.38	3.52	4.66	6.88	8.84	12.5	2.74	4.43	5.98	8.89	11.4	16.2	2.99	4.87	6.91	9.33	12.6	18.8	3.17	5.19	7.06	9.60	12.6	20.0
	16	1.96	3.10	4.23	6.46	8.42	12.1	2.31	3.99	5.53	8.43	10.9	15.7	2.56	4.43	6.44	8.88	12.1	18.3	2.74	4.74	6.61	9.15	12.1	19.5
	24	1.16	2.30	3.40	5.63	7.60	11.3	1.48	3.12	4.65	7.54	10.0	14.8	1.73	3.57	5.53	7.98	11.1	17.4	1.91	3.88	5.73	8.27	11.2	18.6
10 [2]	12	1.97	3.05	4.13	6.10	7.94	11.4	2.33	3.96	5.42	8.05	10.4	15.0	2.59	4.40	6.34	8.61	11.7	17.5	2.77	4.72	6.54	8.90	11.8	18.8
	16	1.49	2.57	3.63	5.61	7.45	10.9	1.83	3.43	4.88	7.51	9.88	14.4	2.08	3.87	5.78	8.06	11.1	16.9	2.26	4.19	6.00	8.36	11.2	18.2
	24	0.59	1.65	2.67	4.68	6.51	9.87	0.88	2.42	3.86	6.48	8.84	13.3	1.12	2.86	4.71	7.00	10.0	15.8	1.29	3.17	4.95	7.32	10.1	17.1
12 [2]	12	1.17	2.12	3.06	4.58	6.16	9.01	1.51	2.95	4.25	6.35	8.43	12.4	1.76	3.39	5.09	7.05	9.85	14.8	1.93	3.71	5.40	7.39	10.0	16.3
	16	0.60	1.53	2.44	4.00	5.56	8.38	0.89	2.28	3.57	5.68	7.75	11.7	1.12	2.71	4.36	6.34	9.08	14.0	1.29	3.02	4.68	6.68	9.23	15.5
	24		0.45	1.30	2.93	4.46	7.20		1.06	2.31	4.44	6.48	10.3		1.44	3.02	5.03	7.64	12.6		1.73	3.32	5.35	7.85	14.1
14 [3]	12	0.54	1.45	2.36	3.94	5.53	8.52	0.79	2.12	3.36	5.36	7.37	11.2	1.01	2.52	4.10	5.95	8.54	13.3	1.17	2.81	4.41	6.29	8.76	14.8
	16		0.72	1.57	3.17	4.72	7.63		1.31	2.51	4.51	6.49	10.2	0.24	1.68	3.19	5.06	7.54	12.3	0.39	1.96	3.50	5.38	7.80	13.8
	24			0.17	1.82	3.29	6.02			0.99	3.01	4.90	8.44		0.18	1.57	3.46	5.76	10.5		0.42	1.84	3.75	6.07	11.9
16 [3]	12		0.68	1.43	2.73	4.05	6.57		1.21	2.28	3.91	5.62	8.87	0.27	1.56	2.91	4.53	6.56	10.7	0.40	1.83	3.24	4.82	7.07	12.3
	16			0.60	1.95	3.22	5.63		0.35	1.37	3.04	4.68	7.81		0.66	1.93	3.56	5.51	9.61		0.89	2.22	3.83	5.99	11.1
	24				0.61	1.78	3.97				1.52	3.06	5.96			0.21	1.88	3.68	7.65			0.42	2.11	4.10	9.03

35 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	600JR162-(mils)						600JR200-(mils)						600JR250-(mils)						600JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	2.24	3.24	4.25	5.87	7.44	10.2	2.70	4.30	5.69	8.11	10.4	14.7	2.98	4.79	6.69	8.89	11.9	17.5	3.17	5.12	6.94	9.24	12.0	19.0
	16	1.90	2.90	3.91	5.56	7.14	9.85	2.33	3.92	5.31	7.74	10.0	14.3	2.61	4.40	6.29	8.50	11.6	17.1	2.79	4.74	6.55	8.86	11.7	18.6
	24	1.23	2.24	3.24	4.94	6.53	9.26	1.60	3.17	4.57	7.03	9.29	13.6	1.87	3.64	5.51	7.76	10.8	16.3	2.05	3.98	5.78	8.11	10.9	17.8
8 [2]	12	2.60	3.80	4.99	7.47	9.55	13.5	2.94	4.70	6.32	9.47	12.1	17.1	3.19	5.13	7.22	9.82	13.1	19.8	3.37	5.44	7.36	10.1	13.2	20.9
	16	2.19	3.40	4.58	7.06	9.14	13.1	2.53	4.28	5.89	9.03	11.7	16.7	2.79	4.71	6.79	9.40	12.7	19.4	2.96	5.03	6.94	9.65	12.7	20.5
	24	1.42	2.62	3.78	6.26	8.35	12.3	1.74	3.46	5.07	8.18	10.8	15.8	1.99	3.90	5.94	8.56	11.8	18.5	2.18	4.22	6.12	8.83	11.9	19.6
9 [2]	12	2.17	3.31	4.44	6.67	8.63	12.3	2.52	4.21	5.75	8.66	11.2	15.9	2.77	4.65	6.67	9.10	12.3	18.5	2.95	4.96	6.84	9.38	12.4	19.8
	16	1.69	2.83	3.95	6.18	8.14	11.8	2.03	3.69	5.23	8.13	10.6	15.4	2.28	4.14	6.13	8.57	11.8	18.0	2.46	4.45	6.32	8.86	11.8	19.2
	24	0.78	1.91	3.00	5.23	7.20	10.8	1.08	2.71	4.23	7.11	9.6	14.3	1.33	3.15	5.09	7.55	10.7	16.9	1.51	3.47	5.30	7.84	10.8	18.2
10 [2]	12	1.73	2.81	3.88	5.85	7.69	11.1	2.08	3.69	5.15	7.78	10.2	14.7	2.33	4.13	6.06	8.33	11.4	17.2	2.51	4.45	6.27	8.63	11.5	18.5
	16	1.18	2.25	3.30	5.29	7.13	10.5	1.51	3.09	4.54	7.16	9.53	14.0	1.75	3.53	5.42	7.70	10.7	16.6	1.93	3.84	5.64	8.01	10.8	17.9
	24	0.17	1.21	2.22	4.23	6.05	9.39	0.43	1.95	3.38	5.99	8.34	12.8	0.66	2.37	4.19	6.50	9.45	15.3	0.83	2.68	4.44	6.81	9.62	16.6
12 [2]	12	0.88	1.82	2.75	4.29	5.86	8.69	1.20	2.61	3.90	6.01	8.09	12.1	1.43	3.04	4.72	6.69	9.46	14.4	1.61	3.36	5.04	7.03	9.59	15.9
	16	0.25	1.16	2.05	3.63	5.18	7.98	0.50	1.86	3.13	5.25	7.31	11.2	0.71	2.27	3.90	5.89	8.58	13.5	0.87	2.58	4.22	6.23	8.76	15.1
	24			0.77	2.43	3.94	6.65		0.49	1.72	3.87	5.88	9.67		0.85	2.39	4.41	6.96	11.9		1.13	2.68	4.73	7.20	13.4
14 [3]	12		1.08	1.95	3.55	5.11	8.07	0.41	1.71	2.93	4.93	6.92	10.7	0.62	2.09	3.64	5.50	8.03	12.8	0.77	2.38	3.95	5.82	8.27	14.3
	16		0.27	1.08	2.70	4.22	7.07		0.80	1.98	3.99	5.93	9.60		1.15	2.63	4.50	6.92	11.7		1.42	2.92	4.81	7.20	13.1
	24				1.21	2.64	5.28			0.30	2.34	4.18	7.63			0.83	2.73	4.96	9.60			1.08	3.01	5.27	11.0
16 [3]	12		0.29	1.00	2.33	3.63	6.09		0.77	1.82	3.46	5.14	8.33		1.10	2.40	4.03	6.02	10.2		1.35	2.72	4.31	6.52	11.7
	16				1.48	2.72	5.05			0.81	2.50	4.11	7.16			1.32	2.97	4.86	8.92		0.32	1.59	3.23	5.33	10.4
	24					1.14	3.23				0.85	2.34	5.13				1.13	2.86	6.76				1.33	3.25	8.07

1. Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.

2. Allowable axial loads are based on steel properties only.

3. Check lateral end reactions for web crippling.

4. The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.

5. In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.

6. Values in square bracket [] are required number of equally spaced bridging rows.

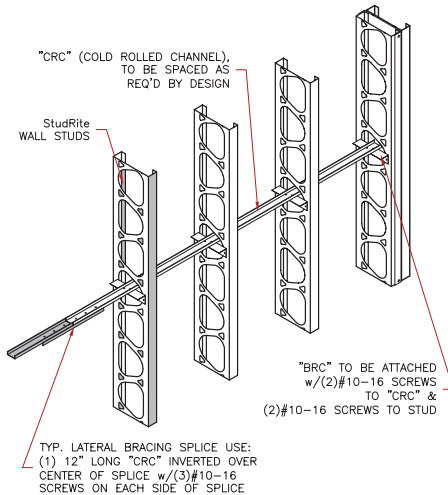
40 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	600JR162-(mils)						600JR200-(mils)						600JR250-(mils)						600JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	2.09	3.09	4.10	5.73	7.31	10.0	2.54	4.13	5.52	7.95	10.2	14.5	2.82	4.62	6.52	8.72	11.8	17.3	3.01	4.96	6.78	9.08	11.9	18.8
	16	1.70	2.71	3.71	5.38	6.96	9.68	2.12	3.70	5.10	7.54	9.79	14.1	2.39	4.18	6.06	8.29	11.3	16.9	2.58	4.52	6.33	8.64	11.4	18.4
	24	0.95	1.97	2.95	4.68	6.28	9.00	1.30	2.86	4.26	6.73	8.99	13.3	1.56	3.33	5.18	7.44	10.4	16.0	1.74	3.66	5.45	7.79	10.6	17.5
8 [2]	12	2.42	3.63	4.81	7.29	9.37	13.3	2.77	4.52	6.13	9.28	11.9	16.9	3.02	4.95	7.03	9.64	12.9	19.6	3.19	5.26	7.18	9.89	13.0	20.7
	16	1.97	3.18	4.35	6.83	8.91	12.8	2.30	4.04	5.65	8.79	11.4	16.4	2.56	4.48	6.54	9.15	12.4	19.1	2.73	4.79	6.70	9.41	12.5	20.2
	24	1.10	2.30	3.45	5.92	8.01	11.9	1.41	3.12	4.72	7.83	10.5	15.5	1.66	3.56	5.58	8.21	11.4	18.1	1.85	3.88	5.77	8.48	11.6	19.3
9 [2]	12	1.96	3.10	4.23	6.46	8.42	12.1	2.31	3.99	5.53	8.43	10.9	15.7	2.56	4.43	6.44	8.88	12.1	18.3	2.74	4.74	6.61	9.15	12.1	19.5
	16	1.42	2.56	3.67	5.90	7.87	11.5	1.75	3.41	4.94	7.83	10.3	15.1	2.00	3.85	5.83	8.28	11.5	17.7	2.18	4.17	6.02	8.56	11.5	18.9
	24	0.41	1.53	2.61	4.84	6.81	10.4	0.70	2.30	3.82	6.68	9.18	13.9	0.94	2.74	4.66	7.12	10.2	16.5	1.12	3.05	4.88	7.42	10.4	17.7
10 [2]	12	1.49	2.57	3.63	5.61	7.45	10.9	1.83	3.43	4.88	7.51	9.88	14.4	2.08	3.87	5.78	8.06	11.1	16.9	2.26	4.19	6.00	8.36	11.2	18.2
	16	0.88	1.95	2.98	4.98	6.81	10.2	1.19	2.75	4.20	6.82	9.18	13.7	1.43	3.19	5.06	7.35	10.4	16.2	1.61	3.50	5.29	7.66	10.5	17.5
	24		0.79	1.77	3.80	5.61	8.92		1.48	2.90	5.51	7.85	12.3	0.22	1.90	3.69	6.00	8.92	14.7	0.38	2.21	3.95	6.32	9.11	16.1
12 [2]	12	0.60	1.53	2.44	4.00	5.56	8.38	0.89	2.28	3.57	5.68	7.75	11.7	1.12	2.71	4.36	6.34	9.08	14.0	1.29	3.02	4.68	6.68	9.23	15.5
	16		0.80	1.67	3.27	4.82	7.59		1.45	2.71	4.84	6.89	10.8	0.32	1.85	3.45	5.45	8.10	13.1	0.48	2.15	3.76	5.79	8.30	14.6
	24			0.26	1.95	3.44	6.10			1.15	3.32	5.31	9.04		0.29	1.78	3.82	6.31	11.3		0.55	2.06	4.13	6.57	12.7
14 [3]	12		0.72	1.57	3.17	4.72	7.63		1.31	2.51	4.51	6.49	10.2	0.24	1.68	3.19	5.06	7.54	12.3	0.39	1.96	3.50	5.38	7.80	13.8
	16			0.61	2.25	3.74	6.53		0.33	1.48	3.49	5.40	9.01		0.66	2.09	3.97	6.33	11.0		0.91	2.37	4.27	6.62	12.5
	24				0.64	2.02	4.58				1.70	3.50	6.86			0.13	2.04	4.19	8.79			0.36	2.30	4.51	10.1
16 [3]	12			0.60	1.95	3.22	5.63		0.35	1.37	3.04	4.68	7.81		0.66	1.93	3.56	5.51	9.61		0.89	2.22	3.83	5.99	11.1
	16				1.03	2.24	4.50			0.28	2.00	3.57	6.55			0.75	2.41	4.25	8.27			0.99	2.65	4.70	9.70
	24					0.53	2.53				0.22	1.65	4.34				0.43	2.09	5.93				0.60	2.45	7.17

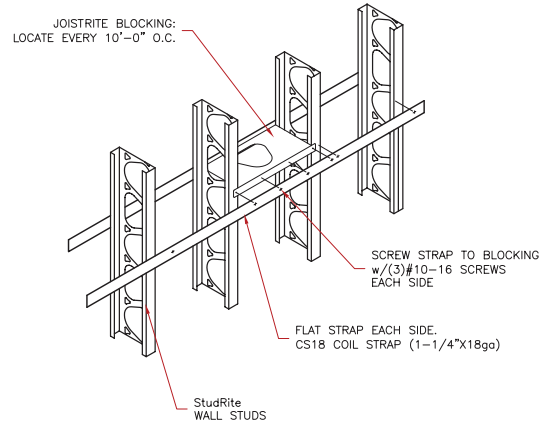
50 PSF Lateral Load

WALL HEIGHT (ft)	Spacing (in.) o.c.	600JR162-(mils)						600JR200-(mils)						600JR250-(mils)						600JR300-(mils)					
		33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi			33 ksi			50 ksi		
		33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97	33	43	54	54	68	97
8 [1]	12	1.80	2.81	3.81	5.47	7.05	9.76	2.22	3.81	5.20	7.64	9.89	14.2	2.50	4.29	6.18	8.40	11.4	17.0	2.69	4.63	6.44	8.75	11.6	18.5
	16	1.32	2.34	3.33	5.03	6.62	9.34	1.70	3.28	4.68	7.13	9.39	13.7	1.97	3.75	5.62	7.86	10.9	16.4	2.16	4.08	5.89	8.22	11.0	18.0
	24	0.41	1.43	2.40	4.18	5.78	8.51	0.71	2.25	3.65	6.14	8.41	12.7	0.96	2.70	4.53	6.82	9.78	15.4	1.13	3.03	4.81	7.17	10.0	16.9
8 [2]	12	2.08	3.29	4.46	6.94	9.03	13.0	2.42	4.16	5.77	8.91	11.6	16.6	2.67	4.60	6.66	9.28	12.5	19.2	2.85	4.91	6.82	9.53	12.6	20.4
	16	1.53	2.73	3.89	6.37	8.46	12.4	1.85	3.57	5.18	8.30	11.0	16.0	2.11	4.01	6.06	8.68	11.9	18.6	2.29	4.33	6.23	8.94	12.0	19.8
	24	0.47	1.66	2.80	5.27	7.36	11.2	0.77	2.45	4.04	7.13	9.79	14.7	1.02	2.89	4.88	7.51	10.7	17.4	1.20	3.21	5.09	7.79	10.9	18.6
9 [2]	12	1.55	2.70	3.81	6.04	8.00	11.7	1.89	3.55	5.09	7.98	10.5	15.2	2.14	3.99	5.98	8.43	11.6	17.8	2.32	4.31	6.17	8.71	11.7	19.1
	16	0.91	2.04	3.13	5.37	7.33	11.0	1.21	2.85	4.37	7.25	9.75	14.5	1.46	3.29	5.24	7.69	10.8	17.1	1.64	3.60	5.45	7.99	10.9	18.3
	24		0.80	1.84	4.09	6.04	9.62		1.51	3.01	5.86	8.36	13.0	0.18	1.94	3.81	6.29	9.35	15.6	0.35	2.25	4.05	6.60	9.52	16.9
10 [2]	12	1.03	2.10	3.14	5.14	6.97	10.4	1.35	2.92	4.37	6.99	9.35	13.8	1.59	3.36	5.24	7.52	10.5	16.4	1.77	3.67	5.47	7.83	10.7	17.7
	16	0.31	1.36	2.37	4.38	6.20	9.55	0.58	2.10	3.54	6.15	8.51	13.0	0.81	2.53	4.36	6.67	9.63	15.5	0.98	2.84	4.61	6.98	9.79	16.8
	24			0.92	2.97	4.76	8.01		0.59	1.98	4.58	6.91	11.3		0.98	2.72	5.05	7.89	13.7		1.28	2.98	5.36	8.13	15.1
12 [2]	12		0.98	1.86	3.45	5.00	7.78	0.31	1.66	2.92	5.05	7.10	11.0	0.52	2.06	3.68	5.67	8.34	13.3	0.67	2.36	3.99	6.00	8.53	14.8
	16			0.94	2.59	4.11	6.83		0.68	1.91	4.06	6.08	9.89		1.05	2.60	4.61	7.18	12.1		1.33	2.89	4.93	7.41	13.6
	24				1.04	2.49	5.07				2.27	4.22	7.84			0.63	2.69	5.07	10.0			0.88	2.98	5.36	11.4
14 [3]	12			0.84	2.47	3.98	6.79		0.56	1.73	3.74	5.66	9.30		0.90	2.36	4.23	6.62	11.3		1.17	2.65	4.54	6.91	12.8
	16				1.41	2.85	5.52			0.53	2.56	4.41	7.90			1.07	2.97	5.22	9.88			1.33	3.25	5.53	11.3
	24					0.88	3.28				0.51	2.23	5.42				0.76	2.76	7.27				0.98	3.08	8.53
16 [3]	12				1.25	2.47	4.77			0.55	2.25	3.84	6.85			1.03	2.68	4.55	8.59			1.29	2.94	5.01	10.0
	16				0.21	1.35	3.47				1.07	2.57	5.40				1.37	3.12	7.05				1.58	3.53	8.38
	24						1.23					0.39	2.89					0.66	4.38					0.96	5.49

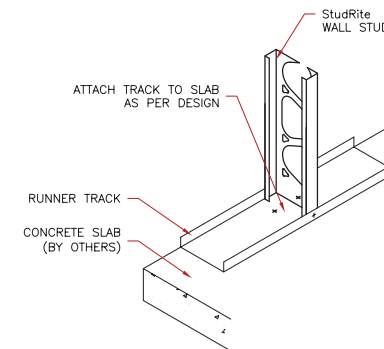
- Allowable loads based on weak axis and torsional bracing at 48" o.c. maximum for axial load calculation and continuous support of each flange for flexural calculation.
- Allowable axial loads are based on steel properties only.
- Check lateral end reactions for web crippling.
- The tables do not contain any embedded load factors. Appropriate ASD load combination factors must be applied before using the tables.
- In addition to other conditions, the maximum single span height must be checked for the given deflection limit using the specified wind load.
- Values in square bracket [] are required number of equally spaced bridging rows.



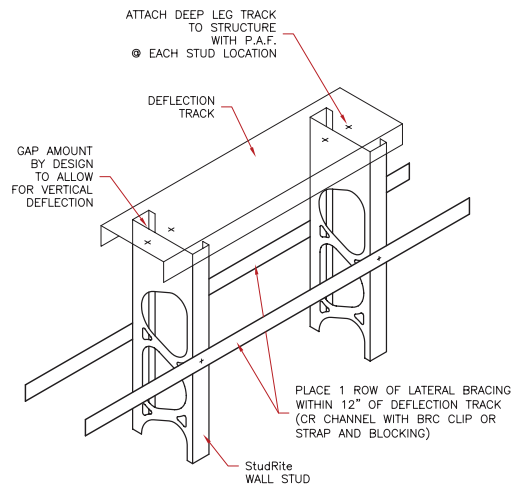
1 STUD BRACING
CR CHANNEL WITH BRC CLIP



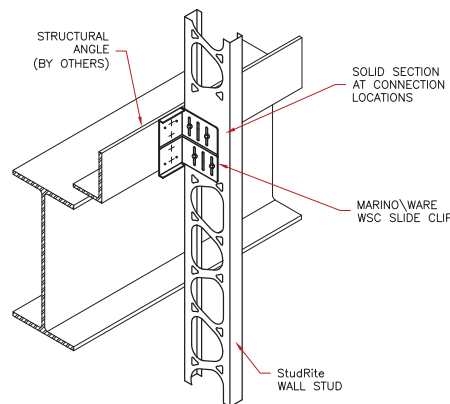
2 STUD BRACING
STRAP AND SOLID BLOCKING FOR 8" AND WIDER STUDS ONLY



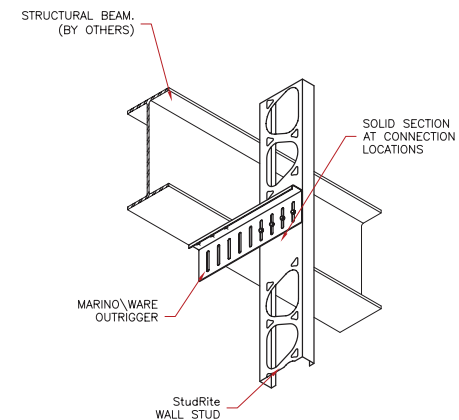
3 STUD TO TRACK DETAIL
ANCHORAGE TO STRUCTURE



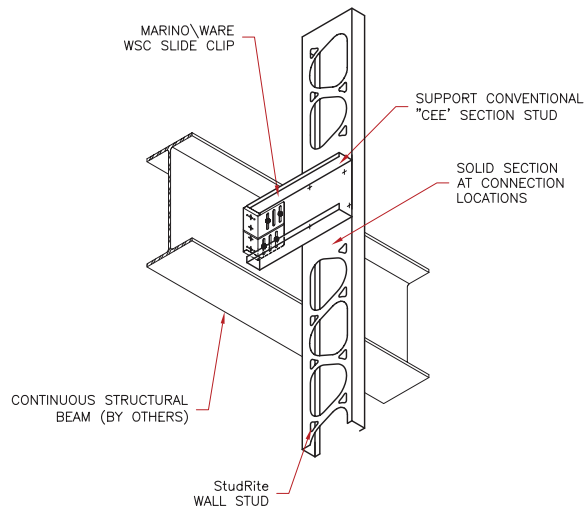
4 DEFLECTION TRACK
CURTAIN WALL STUD WITH LATERAL BRACING



5 STUD ATTACHMENT
CURTAINWALL BY-PASS CONDITION USING MARINOWARE WSC SLIDE CLIP

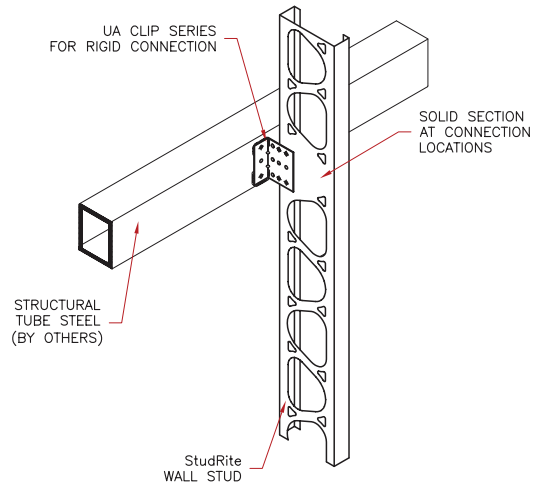


6 STUD ATTACHMENT
CURTAINWALL BY-PASS CONDITION USING MARINOWARE OUTRIGGER



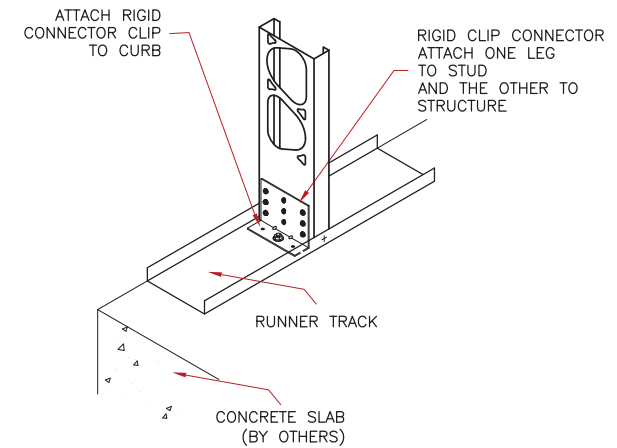
7 STUD ATTACHMENT

WSC-1500 TO NON-LOAD BEARING STUD
CLIP ATTACH TO STUD WITH SUPPORT STUD

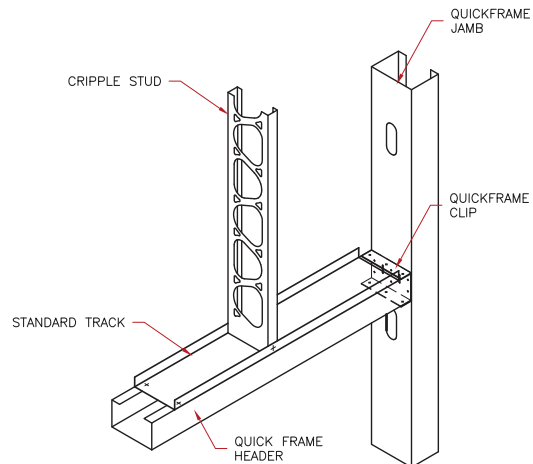


8 STUD ATTACHMENT

CLIP ANGLE WELDED TO STRUCTURE ANGLE
AND SCREW ATTACHED TO STUD

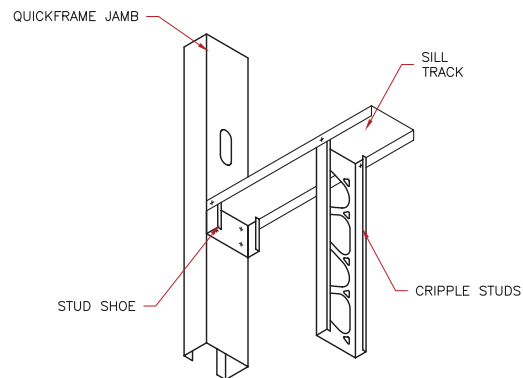


9 STUD TRACK ANCHORAGE



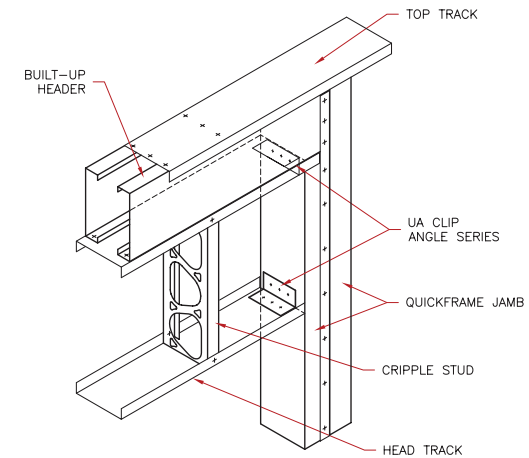
10 LAY-IN HEADER DETAIL

NON-LOAD BEARING CURTAIN WALL HEADER



11 SILL CONNECTION

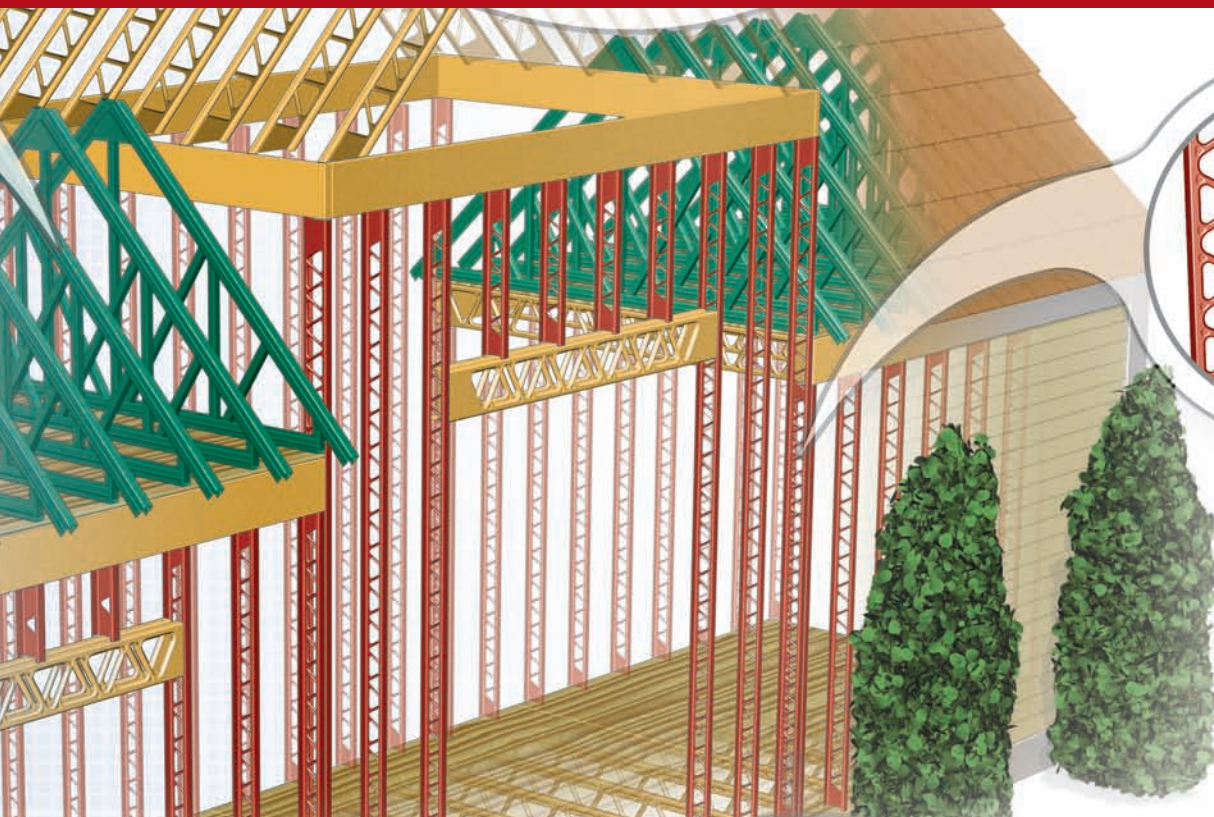
CONNECTION OF SILL TO QUICK FRAME SYSTEM



12 BOXED HEADER CONNECTION

LOAD BEARING HEADER - TWO MEMBER BOXED

Note: The typical details shown above are for illustrative purposes only and should not be used without the approval of a competent design professional.



- Unique triangular cutouts within the product design allow plumbing, heating, electrical and other conduits to pass through easily – saving time and labor.
- Lightweight and durable, the product can be used as bearing walls in low-rise construction and as non-bearing walls in high-rise construction.
- Steel members are straight and true, equating to cleaner, straighter lines within the structure.
- UL classified assemblies. Please visit www.marinoware.com for more information



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