

Evaluation of CF Wall Panels- ENG-2505-321
March 11, 2026

Mr. Mark J. Klos
Nucor
1550 Coraopolis Heights Rd Ste 600
Moon Township, PA 15108-2973

Re: Evaluation of CF Wall Panels^{1,2}

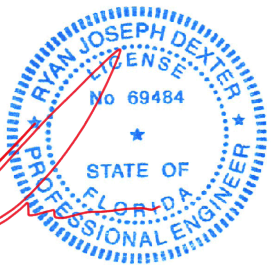
Dear Mr. Klos:

DrJ Engineering, LLC (DrJ) has been asked to provide a Florida professional engineering accepted engineering practice review with respect to the CF (PIR) Wall Panels. This work has been performed pursuant to our areas of expertise. The purpose of the DrJ review is to provide an engineering assessment of the conformance of the CF Wall Panel with the 2023 Florida Building Code (FBC).

This DrJ report is created by an approved testing, inspection and product evaluation/certification agency, and a professional engineering (PE) approved source. This report contains a PE review of Nucor intellectual property (IP) and trade secrets (TS).³

CF Wall Panels and/or their components have been tested to and comply with the following standards:

- ASTM E72- Uniform Load
- ASTM E84- Flame Spread and Smoke Developed Indices
- ASTM E283- Air Barrier
- ASTM E330- Wind Pressure Resistance
- ASTM E331- Water Resistance
- ASTM E2357- Air Leakage
- NFPA 259- Potential Heat of Combustion
- NFPA 285- Vertical and Lateral Flame Propagation
- NFPA 286- Interior Room Corner Burn Testing


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DrJ Engineering, LLC
Certificate of Authorization #29766

CF Wall Panels conform to Section 1403, Section 1404, Section 1405, Section 2603 and Section 2615 of the 2023 FBC. CF Wall Panels are approved for use with approved non-load bearing 1 hour rated wall assemblies for use in Type I, II, III, IV construction in accordance with Table 601 of the FBC. CF Wall Panels are approved for use in Type V Construction.

CF panels have a polyisocyanurate (polyiso) plastic core with a minimum density of 2.0 pcf and two steel facers. These facers are made from galvanized coated steel or Galvalume® AZ50 coated steel (minimum 33 ksi) and are 22 ga, 24 ga or 26 ga thick. This thickness meets the weather protection requirements in Section 1405.2 and Section 1406.2.1.1 in the FBC. The outside facers come in seven different shallow profiles as shown in Figure 1. The available thicknesses of the CF panels are 2", 2.5", 3", 4", 5", 6" and 8". The panels have available coverage widths of 24", 30", 36", 42" and 44".



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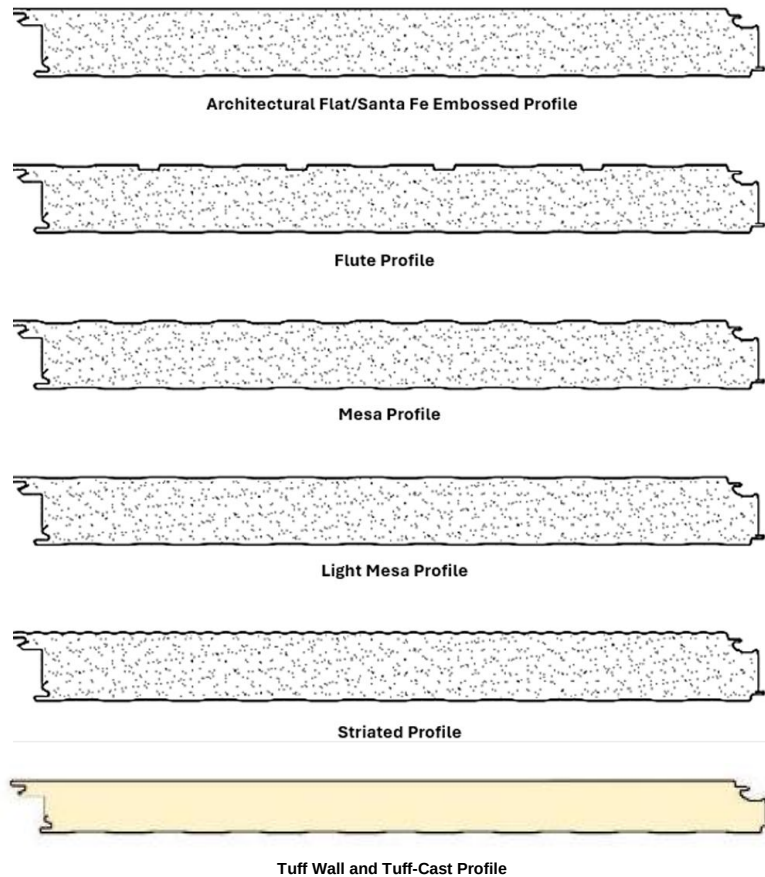


Figure 1: CF Wall Panels Facer Profiles

Panels must be attached to supports that are a minimum of 16 ga steel (minimum $F_y = 50$ ksi). Panels shall be fastened through the supports to the framing members using $\frac{1}{4}$ "-14 Type 3 hex head self-drilling screws using either fastening pattern FP1 or V6+. Fasteners must be long enough to penetrate through the support at least 3 threads. For 12 ga or thicker supports a $\frac{1}{4}$ "-20 or $\frac{1}{4}$ "-28 Type 5 self-drilling screws may be used instead. Self-tapping screws may be used as well. All fasteners must be corrosion resistant. Fasteners must be placed in a standard schedule utilizing either FP1 pattern with U-clips (See Figure 2), or utilizing the V6+ pattern with V6+ clips (See Figure 3). U-clips are composed of 14 ga corrosion resistant steel while V6 X-Span clips are 16 ga corrosion-resistant steel. Additional flashing/trim is required to cover the V6+ panel pattern at the panel ends.

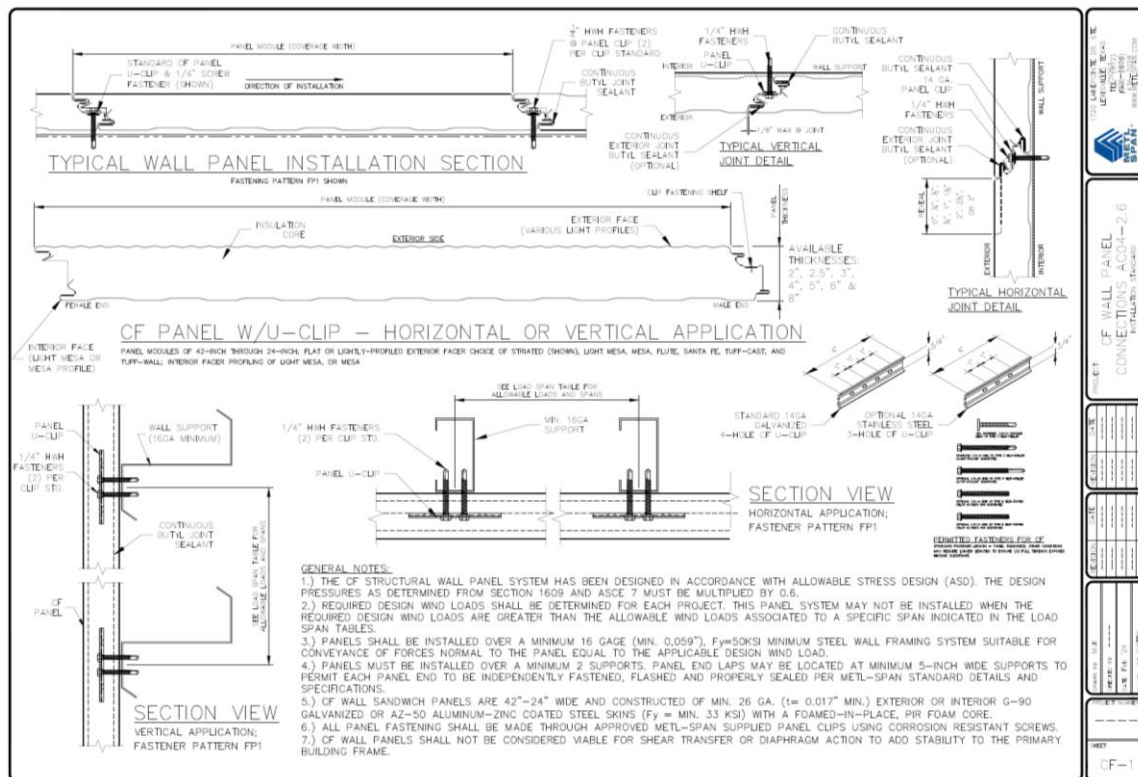


Figure 2: Installation of CF Wall Panels using U-Clips

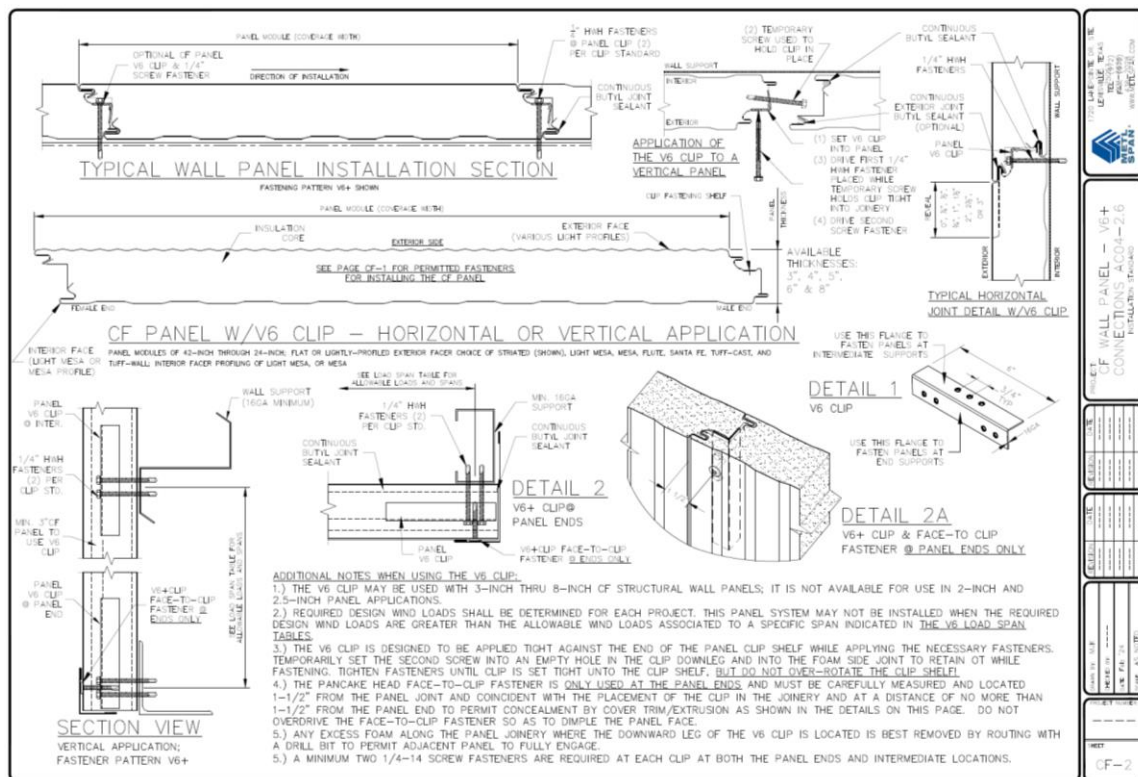


Figure 3: Installation of CF Wall Panels using V6 Clips

The maximum allowable inward and outward transverse loads for different spans of this product can be found in **Table 1** through **Table 15**. These tables conform to the requirements of the FBC.

Table 1. Allowable Loads for 26Ga/26Ga Faced 44" CF Wall Panels on 12 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	44	33	27	22	19	17	15	13	11	9
			3	44	33	27	22	19	17	15	13	11	9
	2		2	48	37	31	26	23	20	18	17	14	12
			3	48	37	31	26	23	20	18	17	14	12
	3+		2	49	38	31	26	23	20	18	16	14	12
			3	49	38	31	26	23	20	18	16	14	12
2.5"	1	FP1 ⁵	2	44	33	27	22	19	17	15	13	11	9
			3	44	33	27	22	19	17	15	13	11	9
	2		2	48	37	31	26	23	20	18	17	14	12
			3	48	37	31	26	23	20	18	17	14	12
	3+		2	49	38	31	26	23	20	18	16	14	12
			3	49	38	31	26	23	20	18	16	14	12
3"	1	FP1 ⁵	2	48	36	29	24	21	18	16	14	12	10
			3	48	36	29	24	21	18	16	14	12	10
		V6+ ⁶	2	80	60	48	40	34	30	27	24	20	17
			3	80	60	48	40	34	30	27	24	20	17
	2	FP1 ⁵	2	51	40	33	28	24	22	20	18	15	13
			3	51	40	33	28	24	22	20	18	15	13
		V6+ ⁶	2	69	50	39	32	27	23	21	18	15	13
			3	69	50	39	32	27	23	21	18	15	13
	3+	FP1 ⁵	2	53	41	33	28	25	22	19	18	15	13
			3	53	41	33	28	25	22	19	18	15	13
		V6+ ⁶	2	70	52	41	34	29	25	22	20	17	14
			3	70	52	41	34	29	25	22	20	17	14
4"	1	FP1 ⁵	2	65	48	39	32	28	24	22	19	16	14
			3	65	48	39	32	28	24	22	19	16	14
		V6+ ⁶	2	112	84	67	56	48	42	37	34	28	24
			3	112	84	67	56	48	42	37	34	28	24
	2	FP1 ⁵	2	68	52	43	37	32	29	25	22	18	16

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)										
				3	4	5	6	7	8	9	10	12	14	
			3	68	52	43	37	32	29	26	24	20	17	
		V6+6	2	84	61	48	39	33	29	25	22	18	16	
			3	102	75	58	48	40	35	30	27	22	19	
	3+	FP1 ⁵	2	70	54	44	37	33	29	26	23	20	17	
			3	70	54	44	37	33	29	26	23	20	17	
		V6+6	2	85	63	50	41	35	30	27	24	20	17	
			3	103	76	60	50	43	37	33	29	24	21	
	5"	1	FP1 ⁵	2	61	46	37	31	26	23	20	18	15	13
3				61	46	37	31	26	23	20	18	15	13	
V6+6			2	119	90	72	60	51	45	40	36	30	26	
			3	119	90	72	60	51	45	40	36	30	26	
2		FP1 ⁵	2	64	49	40	34	30	27	24	22	19	16	
			3	64	49	40	34	30	27	24	22	19	16	
		V6+6	2	85	62	49	40	33	29	25	23	19	16	
			3	112	83	65	53	44	38	34	30	25	21	
3+		FP1 ⁵	2	65	50	41	35	31	27	24	22	19	16	
			3	65	50	41	35	31	27	24	22	19	16	
		V6+6	2	85	63	50	41	35	31	27	24	20	17	
			3	113	84	66	55	47	41	36	32	27	23	
6"		1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13
				3	59	44	35	29	25	22	20	18	15	13
			V6+6	2	127	95	76	64	54	48	42	38	32	27
				3	127	95	76	64	54	48	42	38	32	27
	2	FP1 ⁵	2	61	47	38	33	28	25	23	21	18	16	
			3	61	47	38	33	28	25	23	21	18	16	
		V6+6	2	85	63	49	40	34	29	26	23	19	16	
			3	123	90	71	58	49	42	37	33	27	23	
	3+	FP1 ⁵	2	62	48	39	33	29	26	23	21	18	15	
			3	62	48	39	33	29	26	23	21	18	15	
		V6+6	2	85	63	50	41	35	31	27	24	20	17	

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	123	91	72	60	51	44	39	35	29	25
8"	1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13
			3	59	44	35	29	25	22	20	18	15	13
		V6+ ⁶	2	127	95	76	64	54	48	42	38	32	27
			3	127	95	76	64	54	48	42	38	32	27
	2	FP1 ⁵	2	60	46	38	32	28	25	22	20	18	15
			3	60	46	38	32	28	25	22	20	18	15
		V6+ ⁶	2	86	63	50	41	34	30	26	23	19	16
			3	124	91	72	59	50	43	38	33	27	23
	3+	FP1 ⁵	2	62	47	39	33	29	25	23	21	18	15
			3	62	47	39	33	29	25	23	21	18	15
		V6+ ⁶	2	86	64	51	42	36	31	27	25	20	17
			3	124	92	73	60	51	45	39	35	29	25

1.

Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3.

2.

Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels.

3.

Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load.

4.

A deflection limit of L/180 was considered.

5.

FP1: One U-clip at each support with either two or three fasteners per design load.

6.

V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim.

7.

Structural capacity of the panel supports is not considered in this table.

8.

Please contact Metl-Span Engineering for additional information and assistance.

Table 2. Allowable Loads for 26Ga/26Ga Faced 44" CF Wall Panels on 14 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	44	33	27	22	19	17	15	13	11	9
			3	44	33	27	22	19	17	15	13	11	9
	2		2	48	37	31	26	23	20	17	16	13	11
			3	48	37	31	26	23	20	18	17	14	12
	3+		2	49	38	31	26	23	20	18	16	14	12
			3	49	38	31	26	23	20	18	16	14	12
2.5"	1	FP1 ⁵	2	46	35	28	23	20	17	15	14	12	10
			3	46	35	28	23	20	17	15	14	12	10

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)										
				3	4	5	6	7	8	9	10	12	14	
	2		2	50	39	32	27	23	20	18	16	13	11	
			3	50	39	32	27	24	21	19	17	15	13	
	3+		2	51	40	32	27	24	21	19	17	14	12	
			3	51	40	32	27	24	21	19	17	14	12	
3"	1	FP1 ⁵	2	48	36	29	24	21	18	16	14	12	10	
			3	48	36	29	24	21	18	16	14	12	10	
		V6+ ⁶	2	80	60	48	40	34	30	27	24	20	17	
			3	80	60	48	40	34	30	27	24	20	17	
	2	FP1 ⁵	2	51	40	33	28	23	20	18	16	13	11	
			3	51	40	33	28	24	22	20	18	15	13	
		V6+ ⁶	2	59	43	34	28	23	20	18	16	13	11	
			3	69	50	39	32	27	23	21	18	15	13	
	3+	FP1 ⁵	2	53	41	33	28	25	22	19	17	14	12	
			3	53	41	33	28	25	22	19	18	15	13	
		V6+ ⁶	2	60	44	35	29	25	22	19	17	14	12	
			3	70	52	41	34	29	25	22	20	17	14	
	4"	1	FP1 ⁵	2	65	48	39	32	28	24	22	19	16	14
				3	65	48	39	32	28	24	22	19	16	14
			V6+ ⁶	2	112	84	67	56	48	42	37	34	28	24
				3	112	84	67	56	48	42	37	34	28	24
2		FP1 ⁵	2	60	44	34	28	24	20	18	16	13	11	
			3	68	52	43	37	32	29	26	24	20	17	
		V6+ ⁶	2	60	44	34	28	24	20	18	16	13	11	
			3	90	66	51	42	35	31	27	24	20	17	
3+		FP1 ⁵	2	61	45	35	29	25	22	19	17	14	12	
			3	70	54	44	37	33	29	26	23	20	17	
		V6+ ⁶	2	61	45	35	29	25	22	19	17	14	12	
			3	91	67	53	44	37	33	29	26	22	18	
5"	1	FP1 ⁵	2	61	46	37	31	26	23	20	18	15	13	
			3	61	46	37	31	26	23	20	18	15	13	

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
6"		V6+6	2	119	90	72	60	51	45	40	36	30	26
			3	119	90	72	60	51	45	40	36	30	26
	2	FP1 ⁵	2	60	44	35	28	24	21	18	16	13	11
			3	64	49	40	34	30	27	24	22	19	16
		V6+6	2	60	44	35	28	24	21	18	16	13	11
			3	91	67	52	43	36	31	27	24	20	17
	3+	FP1 ⁵	2	61	45	36	29	25	22	19	17	14	12
			3	65	50	41	35	31	27	24	22	19	16
		V6+6	2	61	45	36	29	25	22	19	17	14	12
			3	91	68	53	44	38	33	29	26	22	18
6"	1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13
			3	59	44	35	29	25	22	20	18	15	13
		V6+6	2	125	94	75	63	54	47	42	38	31	27
			3	127	95	76	64	54	48	42	38	32	27
	2	FP1 ⁵	2	61	45	35	29	24	21	18	16	13	11
			3	61	47	38	33	28	25	23	21	18	16
		V6+6	2	61	45	35	29	24	21	18	16	13	11
			3	91	67	53	43	36	31	27	24	20	17
	3+	FP1 ⁵	2	61	45	36	30	25	22	19	17	14	12
			3	62	48	39	33	29	26	23	21	18	15
		V6+6	2	61	45	36	30	25	22	19	17	14	12
			3	92	68	54	44	38	33	29	26	22	19
8"	1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13
			3	59	44	35	29	25	22	20	18	15	13
		V6+6	2	125	94	75	63	54	47	42	38	31	27
			3	127	95	76	64	54	48	42	38	32	27
	2	FP1 ⁵	2	60	45	36	29	25	21	19	17	14	11
			3	60	46	38	32	28	25	22	20	18	15
		V6+6	2	61	45	36	29	25	21	19	17	14	11
			3	92	68	53	44	37	32	28	25	20	17

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
	3+	FP1 ⁵	2	61	46	36	30	25	22	20	18	15	12
			3	62	47	39	33	29	25	23	21	18	15
		V6+ ⁶	2	61	46	36	30	25	22	20	18	15	12
			3	92	68	54	45	38	33	29	26	22	19
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3. 2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels. 3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load. 4. A deflection limit of L/180 was considered. 5. FP1: One U-clip at each support with either two or three fasteners per design load. 6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim. 7. Structural capacity of the panel supports is not considered in this table. 8. Please contact Metl-Span Engineering for additional information and assistance.													

Table 3. Allowable Loads for 26Ga/26Ga Faced 44" CF Wall Panels on 16 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	44	33	27	22	19	17	15	13	11	9
			3	44	33	27	22	19	17	15	13	11	9
	2		2	47	34	26	22	18	16	14	12	10	9
			3	48	37	31	26	23	20	18	17	14	12
	3+		2	48	35	28	23	20	17	15	14	11	10
			3	49	38	31	26	23	20	18	16	14	12
2.5"	1	FP1 ⁵	2	46	35	28	23	20	17	15	14	12	10
			3	46	35	28	23	20	17	15	14	12	10
	2		2	47	34	27	22	18	16	14	13	10	9
			3	50	39	32	27	24	21	19	17	15	13
	3+		2	48	35	28	23	20	17	15	14	11	10
			3	51	40	32	27	24	21	19	17	14	12
3"	1	FP1 ⁵	2	48	36	29	24	21	18	16	14	12	10
			3	48	36	29	24	21	18	16	14	12	10
		V6+ ⁶	2	80	60	48	40	34	30	27	24	20	17
			3	80	60	48	40	34	30	27	24	20	17
	2	FP1 ⁵	2	47	35	27	22	19	16	14	13	10	9

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	3	51	40	33	28	24	22	20	18	15	13
			2	47	35	27	22	19	16	14	13	10	9
			3	69	50	39	32	27	23	21	18	15	13
	3+	FP1 ⁵	2	48	36	28	23	20	17	15	14	11	10
			3	53	41	33	28	25	22	19	18	15	13
		V6+6	2	48	36	28	23	20	17	15	14	11	10
			3	70	52	41	34	29	25	22	20	17	14
4"	1	FP1 ⁵	2	65	48	39	32	28	24	22	19	16	14
			3	65	48	39	32	28	24	22	19	16	14
		V6+6	2	100	75	60	50	43	38	33	30	25	22
			3	112	84	67	56	48	42	37	34	28	24
	2	FP1 ⁵	2	48	35	27	22	19	16	14	13	10	9
			3	68	52	41	34	28	24	21	19	16	13
		V6+6	2	48	35	27	22	19	16	14	13	10	9
			3	72	53	41	34	28	24	21	19	16	13
	3+	FP1 ⁵	2	48	36	28	23	20	17	15	14	12	10
			3	70	54	43	35	30	26	23	21	17	15
		V6+6	2	48	36	28	23	20	17	15	14	12	10
			3	73	54	43	35	30	26	23	21	17	15
5"	1	FP1 ⁵	2	61	46	37	31	26	23	20	18	15	13
			3	61	46	37	31	26	23	20	18	15	13
		V6+6	2	100	75	60	50	43	38	33	30	25	22
			3	119	90	72	60	51	45	40	36	30	26
	2	FP1 ⁵	2	48	35	28	23	19	16	14	13	11	9
			3	64	49	40	34	29	25	22	19	16	13
		V6+6	2	48	35	28	23	19	16	14	13	11	9
			3	72	53	42	34	29	25	22	19	16	13
	3+	FP1 ⁵	2	49	36	29	24	20	17	15	14	12	10
			3	65	50	41	35	30	26	23	21	17	15
		V6+6	2	49	36	29	24	20	17	15	14	12	10

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	73	54	43	35	30	26	23	21	17	15
6"	1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13
			3	59	44	35	29	25	22	20	18	15	13
		V6+ ⁶	2	100	75	60	50	43	38	33	30	25	22
			3	127	95	76	64	54	48	42	38	32	27
	2	FP1 ⁵	2	49	36	28	23	19	17	15	13	11	9
			3	61	47	38	33	28	25	22	20	16	14
		V6+ ⁶	2	49	36	28	23	19	17	15	13	11	9
			3	73	54	42	34	29	25	22	20	16	14
	3+	FP1 ⁵	2	49	36	29	24	20	18	16	14	12	10
			3	62	48	39	33	29	26	23	21	17	15
		V6+ ⁶	2	49	36	29	24	20	18	16	14	12	10
			3	73	54	43	36	30	26	23	21	17	15
8"	1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13
			3	59	44	35	29	25	22	20	18	15	13
		V6+ ⁶	2	100	75	60	50	43	38	33	30	25	22
			3	127	95	76	64	54	48	42	38	32	27
	2	FP1 ⁵	2	49	36	28	23	20	17	15	13	11	9
			3	60	46	38	32	28	25	22	20	16	14
		V6+ ⁶	2	49	36	28	23	20	17	15	13	11	9
			3	73	54	43	35	30	25	22	20	16	14
	3+	FP1 ⁵	2	49	36	29	24	20	18	16	14	12	10
			3	62	47	39	33	29	25	23	21	17	15
		V6+ ⁶	2	49	36	29	24	20	18	16	14	12	10
			3	74	55	43	36	30	26	23	21	17	15

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3.
2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels.
3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load.
4. A deflection limit of L/180 was considered.
5. FP1: One U-clip at each support with either two or three fasteners per design load.
6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one 1/4"-14x2" face-to-clip fastener as each end support and covered with trim.
7. Structural capacity of the panel supports is not considered in this table.
8. Please contact Metl-Span Engineering for additional information and assistance.

Table 4. Allowable Loads for 26Ga/26Ga Faced 42" CF Wall Panels on 12 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	46	35	28	23	20	17	15	14	12	10
			3	46	35	28	23	20	17	15	14	12	10
	2		2	50	39	32	28	24	21	19	18	15	13
			3	50	39	32	28	24	21	19	18	15	13
	3+		2	52	40	33	28	24	21	19	17	14	12
			3	52	40	33	28	24	21	19	17	14	12
2.5"	1	FP1 ⁵	2	49	36	29	24	21	18	16	15	12	10
			3	49	36	29	24	21	18	16	15	12	10
	2		2	52	40	33	28	25	22	20	18	15	13
			3	52	40	33	28	25	22	20	18	15	13
	3+		2	54	42	34	29	25	22	20	18	15	13
			3	54	42	34	29	25	22	20	18	15	13
3"	1	FP1 ⁵	2	50	38	30	25	22	19	17	15	13	11
			3	50	38	30	25	22	19	17	15	13	11
		V6+ ⁶	2	83	63	50	42	36	31	28	25	21	18
			3	83	63	50	42	36	31	28	25	21	18
	2	FP1 ⁵	2	54	42	34	29	26	23	21	19	16	14
			3	54	42	34	29	26	23	21	19	16	14
		V6+ ⁶	2	72	53	41	34	28	24	21	19	16	13
			3	72	53	41	34	28	24	21	19	16	13
	3+	FP1 ⁵	2	55	43	35	30	26	23	20	18	15	13
			3	55	43	35	30	26	23	20	18	15	13
		V6+ ⁶	2	73	54	43	35	30	26	23	21	17	15
			3	73	54	43	35	30	26	23	21	17	15
4"	1	FP1 ⁵	2	68	51	41	34	29	25	23	20	17	14
			3	68	51	41	34	29	25	23	20	17	14
		V6+ ⁶	2	117	88	70	59	50	44	39	35	29	25
			3	117	88	70	59	50	44	39	35	29	25
	2	FP1 ⁵	2	71	55	45	38	34	30	26	23	19	16

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	3	71	55	45	38	34	30	27	25	21	18
			2	88	64	50	41	35	30	26	23	19	16
			3	107	78	61	50	42	36	32	28	23	20
	3+	FP1 ⁵	2	73	56	46	39	34	30	27	25	21	18
			3	73	56	46	39	34	30	27	25	21	18
		V6+6	2	89	66	52	43	37	32	28	25	21	18
			3	108	80	63	52	45	39	34	31	26	22
5"	1	FP1 ⁵	2	64	48	39	32	28	24	21	19	16	14
			3	64	48	39	32	28	24	21	19	16	14
		V6+6	2	125	94	75	63	54	47	42	38	31	27
			3	125	94	75	63	54	47	42	38	31	27
	2	FP1 ⁵	2	67	51	42	36	31	28	25	23	19	16
			3	67	51	42	36	31	28	25	23	20	17
		V6+6	2	89	65	51	42	35	30	27	24	19	16
			3	118	86	68	55	47	40	35	31	26	22
	3+	FP1 ⁵	2	68	53	43	37	32	28	25	23	19	17
			3	68	53	43	37	32	28	25	23	19	17
		V6+6	2	89	66	52	43	37	32	28	25	21	18
			3	119	88	69	57	49	43	38	34	28	24
6"	1	FP1 ⁵	2	62	46	37	31	26	23	21	19	15	13
			3	62	46	37	31	26	23	21	19	15	13
		V6+6	2	133	100	80	67	57	50	44	40	33	29
			3	133	100	80	67	57	50	44	40	33	29
	2	FP1 ⁵	2	64	49	40	34	30	27	24	22	19	16
			3	64	49	40	34	30	27	24	22	19	16
		V6+6	2	89	66	51	42	35	31	27	24	20	17
			3	129	95	74	61	51	44	39	34	28	24
	3+	FP1 ⁵	2	65	50	41	35	31	27	24	22	19	16
			3	65	50	41	35	31	27	24	22	19	16
		V6+6	2	90	66	53	43	37	32	28	26	21	18

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	129	96	76	63	53	46	41	37	31	26
8"	1	FP1 ⁵	2	62	46	37	31	26	23	21	19	15	13
			3	62	46	37	31	26	23	21	19	15	13
		V6+ ⁶	2	133	100	80	67	57	50	44	40	33	29
			3	133	100	80	67	57	50	44	40	33	29
	2	FP1 ⁵	2	63	48	39	33	29	26	23	21	18	16
			3	63	48	39	33	29	26	23	21	18	16
		V6+ ⁶	2	90	66	52	43	36	31	27	24	20	17
			3	130	96	75	62	52	45	39	35	29	24
	3+	FP1 ⁵	2	64	50	41	34	30	27	24	22	18	16
			3	64	50	41	34	30	27	24	22	18	16
		V6+ ⁶	2	90	67	53	44	37	32	29	26	21	18
			3	130	96	76	63	54	47	41	37	31	26
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3. 2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels. 3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load. 4. A deflection limit of L/180 was considered. 5. FP1: One U-clip at each support with either two or three fasteners per design load. 6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim. 7. Structural capacity of the panel supports is not considered in this table. 8. Please contact Metl-Span Engineering for additional information and assistance.													

Table 5. Allowable Loads for 26Ga/26Ga Faced 42" CF Wall Panels on 14 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	46	35	28	23	20	17	15	14	12	10
			3	46	35	28	23	20	17	15	14	12	10
	2		2	50	39	32	28	24	21	18	16	13	11
			3	50	39	32	28	24	21	19	18	15	13
	3+		2	52	40	33	28	24	21	19	17	14	12
			3	52	40	33	28	24	21	19	17	14	12
2.5"	1	FP1 ⁵	2	49	36	29	24	21	18	16	15	12	10
			3	49	36	29	24	21	18	16	15	12	10

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)										
				3	4	5	6	7	8	9	10	12	14	
	2		2	52	40	33	28	24	21	18	16	14	12	
			3	52	40	33	28	25	22	20	18	15	13	
	3+		2	54	42	34	29	25	22	20	18	15	13	
			3	54	42	34	29	25	22	20	18	15	13	
3"	1	FP1 ⁵	2	50	38	30	25	22	19	17	15	13	11	
			3	50	38	30	25	22	19	17	15	13	11	
		V6+ ⁶	2	83	63	50	42	36	31	28	25	21	18	
			3	83	63	50	42	36	31	28	25	21	18	
	2	FP1 ⁵	2	54	42	34	29	24	21	19	17	14	12	
			3	54	42	34	29	26	23	21	19	16	14	
		V6+ ⁶	2	62	45	35	29	24	21	19	17	14	12	
			3	72	53	41	34	28	24	21	19	16	13	
	3+	FP1 ⁵	2	55	43	35	30	26	23	20	18	15	13	
			3	55	43	35	30	26	23	20	18	15	13	
		V6+ ⁶	2	63	47	37	31	26	23	20	18	15	13	
			3	73	54	43	35	30	26	23	21	17	15	
	4"	1	FP1 ⁵	2	68	51	41	34	29	25	23	20	17	14
				3	68	51	41	34	29	25	23	20	17	14
			V6+ ⁶	2	117	88	70	59	50	44	39	35	29	25
				3	117	88	70	59	50	44	39	35	29	25
2		FP1 ⁵	2	63	46	36	29	25	21	19	17	14	12	
			3	71	55	45	38	34	30	27	25	21	17	
		V6+ ⁶	2	63	46	36	29	25	21	19	17	14	12	
			3	94	69	54	44	37	32	28	25	21	17	
3+		FP1 ⁵	2	63	47	37	31	26	23	20	18	15	13	
			3	73	56	46	39	34	30	27	25	21	18	
		V6+ ⁶	2	63	47	37	31	26	23	20	18	15	13	
			3	95	70	56	46	39	34	30	27	23	19	
5"	1	FP1 ⁵	2	64	48	39	32	28	24	21	19	16	14	
			3	64	48	39	32	28	24	21	19	16	14	

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
6"		V6+6	2	125	94	75	63	54	47	42	38	31	27
			3	125	94	75	63	54	47	42	38	31	27
	2	FP1 ⁵	2	63	46	36	30	25	22	19	17	14	12
			3	67	51	42	36	31	28	25	23	20	17
		V6+6	2	63	46	36	30	25	22	19	17	14	12
			3	95	70	55	45	38	32	28	25	21	18
	3+	FP1 ⁵	2	64	47	37	31	26	23	20	18	15	13
			3	68	53	43	37	32	28	25	23	19	17
		V6+6	2	64	47	37	31	26	23	20	18	15	13
			3	96	71	56	46	39	34	30	27	23	19
6"	1	FP1 ⁵	2	62	46	37	31	26	23	21	19	15	13
			3	62	46	37	31	26	23	21	19	15	13
		V6+6	2	131	99	79	66	56	49	44	39	33	28
			3	133	100	80	67	57	50	44	40	33	29
	2	FP1 ⁵	2	64	47	37	30	25	22	19	17	14	12
			3	64	49	40	34	30	27	24	22	19	16
		V6+6	2	64	47	37	30	25	22	19	17	14	12
			3	95	70	55	45	38	33	29	26	21	18
	3+	FP1 ⁵	2	64	47	38	31	26	23	20	18	15	13
			3	65	50	41	35	31	27	24	22	19	16
		V6+6	2	64	47	38	31	26	23	20	18	15	13
			3	96	71	56	46	40	34	31	27	23	19
8"	1	FP1 ⁵	2	62	46	37	31	26	23	21	19	15	13
			3	62	46	37	31	26	23	21	19	15	13
		V6+6	2	131	99	79	66	56	49	44	39	33	28
			3	133	100	80	67	57	50	44	40	33	29
	2	FP1 ⁵	2	63	47	37	31	26	22	19	17	14	12
			3	63	48	39	33	29	26	23	21	18	16
		V6+6	2	64	47	37	31	26	22	19	17	14	12
			3	96	71	56	46	39	33	29	26	21	18

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
	3+	FP1 ⁵	2	64	48	38	31	27	23	20	18	15	13
			3	64	50	41	34	30	27	24	22	18	16
		V6+ ⁶	2	64	48	38	31	27	23	20	18	15	13
			3	96	72	57	47	40	35	31	28	23	19
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3. 2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels. 3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load. 4. A deflection limit of L/180 was considered. 5. FP1: One U-clip at each support with either two or three fasteners per design load. 6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim. 7. Structural capacity of the panel supports is not considered in this table. 8. Please contact Metl-Span Engineering for additional information and assistance.													

Table 6. Allowable Loads for 26Ga/26Ga Faced 42" CF Wall Panels on 16 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	46	35	28	23	20	17	15	14	12	10
			3	46	35	28	23	20	17	15	14	12	10
	2		2	49	35	28	23	19	17	15	13	11	9
			3	50	39	32	28	24	21	19	18	15	13
	3+		2	50	37	29	24	21	18	16	14	12	10
			3	52	40	33	28	24	21	19	17	14	12
2.5"	1	FP1 ⁵	2	49	36	29	24	21	18	16	15	12	10
			3	49	36	29	24	21	18	16	15	12	10
	2		2	49	36	28	23	19	17	15	13	11	9
			3	52	40	33	28	25	22	20	18	15	13
	3+		2	50	37	29	24	21	18	16	14	12	10
			3	54	42	34	29	25	22	20	18	15	13
3"	1	FP1 ⁵	2	50	38	30	25	22	19	17	15	13	11
			3	50	38	30	25	22	19	17	15	13	11
		V6+ ⁶	2	83	63	50	42	36	31	28	25	21	18
			3	83	63	50	42	36	31	28	25	21	18
	2	FP1 ⁵	2	50	36	28	23	19	17	15	13	11	9

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	54	42	34	29	26	23	21	19	16	14
			2	50	36	28	23	19	17	15	13	11	9
		V6+6	3	72	53	41	34	28	24	21	19	16	13
	3+	FP1 ⁵	2	50	37	30	24	21	18	16	14	12	10
			3	55	43	35	30	26	23	20	18	15	13
		V6+6	2	50	37	30	24	21	18	16	14	12	10
			3	73	54	43	35	30	26	23	21	17	15
4"	1	FP1 ⁵	2	68	51	41	34	29	25	23	20	17	14
			3	68	51	41	34	29	25	23	20	17	14
		V6+6	2	105	79	63	53	45	39	35	32	26	23
			3	117	88	70	59	50	44	39	35	29	25
	2	FP1 ⁵	2	50	37	29	23	20	17	15	13	11	9
			3	71	55	43	35	30	26	23	20	16	14
		V6+6	2	50	37	29	23	20	17	15	13	11	9
			3	75	55	43	35	30	26	23	20	16	14
	3+	FP1 ⁵	2	51	38	30	25	21	18	16	15	12	10
			3	73	56	45	37	31	27	24	22	18	15
		V6+6	2	51	38	30	25	21	18	16	15	12	10
			3	76	56	45	37	31	27	24	22	18	15
5"	1	FP1 ⁵	2	64	48	39	32	28	24	21	19	16	14
			3	64	48	39	32	28	24	21	19	16	14
		V6+6	2	105	79	63	53	45	39	35	32	26	23
			3	125	94	75	63	54	47	42	38	31	27
	2	FP1 ⁵	2	51	37	29	24	20	17	15	14	11	9
			3	67	51	42	36	30	26	23	20	17	14
		V6+6	2	51	37	29	24	20	17	15	14	11	9
			3	76	56	44	36	30	26	23	20	17	14
	3+	FP1 ⁵	2	51	38	30	25	21	18	16	15	12	10
			3	68	53	43	37	32	27	24	22	18	15
		V6+6	2	51	38	30	25	21	18	16	15	12	10

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	76	57	45	37	32	27	24	22	18	15
6"	1	FP1 ⁵	2	62	46	37	31	26	23	21	19	15	13
			3	62	46	37	31	26	23	21	19	15	13
		V6+ ⁶	2	105	79	63	53	45	39	35	32	26	23
			3	133	100	80	67	57	50	44	40	33	29
	2	FP1 ⁵	2	51	37	29	24	20	17	15	14	11	9
			3	64	49	40	34	30	26	23	20	17	14
		V6+ ⁶	2	51	37	29	24	20	17	15	14	11	9
			3	76	56	44	36	30	26	23	20	17	14
	3+	FP1 ⁵	2	51	38	30	25	21	18	16	15	12	10
			3	65	50	41	35	31	27	24	22	18	16
		V6+ ⁶	2	51	38	30	25	21	18	16	15	12	10
			3	77	57	45	37	32	28	24	22	18	16
8"	1	FP1 ⁵	2	62	46	37	31	26	23	21	19	15	13
			3	62	46	37	31	26	23	21	19	15	13
		V6+ ⁶	2	105	79	63	53	45	39	35	32	26	23
			3	133	100	80	67	57	50	44	40	33	29
	2	FP1 ⁵	2	51	38	30	24	21	18	16	14	11	10
			3	63	48	39	33	29	26	23	21	17	14
		V6+ ⁶	2	51	38	30	24	21	18	16	14	11	10
			3	77	57	45	37	31	27	23	21	17	14
	3+	FP1 ⁵	2	51	38	30	25	21	18	16	15	12	10
			3	64	50	41	34	30	27	24	22	18	16
		V6+ ⁶	2	51	38	30	25	21	18	16	15	12	10
			3	77	57	45	37	32	28	25	22	18	16

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3.
2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels.
3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load.
4. A deflection limit of L/180 was considered.
5. FP1: One U-clip at each support with either two or three fasteners per design load.
6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one 1/4"-14x2" face-to-clip fastener as each end support and covered with trim.
7. Structural capacity of the panel supports is not considered in this table.
8. Please contact Metl-Span Engineering for additional information and assistance.

Table 7. Allowable Loads for 26Ga/26Ga Faced 36" CF Wall Panels on 12 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	54	41	32	27	23	20	18	16	14	10
			3	54	41	32	27	23	20	18	16	14	10
	2		2	59	46	38	32	28	25	23	20	17	15
			3	59	46	38	32	28	25	23	20	17	15
	3+		2	60	47	38	32	28	25	22	20	17	14
			3	60	47	38	32	28	25	22	20	17	14
2.5"	1	FP1 ⁵	2	57	43	34	28	24	21	19	17	14	12
			3	57	43	34	28	24	21	19	17	14	12
	2		2	61	47	39	33	29	26	23	21	18	16
			3	61	47	39	33	29	26	23	21	18	16
	3+		2	63	48	40	34	29	26	23	21	17	15
			3	63	48	40	34	29	26	23	21	17	15
3"	1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13
			3	59	44	35	29	25	22	20	18	15	13
		V6+ ⁶	2	97	73	58	49	42	37	32	29	24	21
			3	97	73	58	49	42	37	32	29	24	21
	2	FP1 ⁵	2	63	48	40	34	30	27	24	22	19	16
			3	63	48	40	34	30	27	24	22	19	16
		V6+ ⁶	2	84	61	48	39	33	28	25	22	18	16
			3	84	61	48	39	33	28	25	22	18	16
	3+	FP1 ⁵	2	64	50	41	35	30	27	24	22	18	16
			3	64	50	41	35	30	27	24	22	18	16
		V6+ ⁶	2	85	63	50	41	35	31	27	25	20	17
			3	85	63	50	41	35	31	27	25	20	17
4"	1	FP1 ⁵	2	79	59	47	39	34	30	26	24	20	17
			3	79	59	47	39	34	30	26	24	20	17
		V6+ ⁶	2	137	103	82	68	59	51	46	41	34	29
			3	137	103	82	68	59	51	46	41	34	29
	2	FP1 ⁵	2	83	64	52	45	39	35	31	27	22	19

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	3	83	64	52	45	39	35	32	29	25	21
			2	103	75	59	48	40	35	31	27	22	19
			3	125	91	71	58	49	42	37	33	27	23
	3+	FP1 ⁵	2	85	66	54	46	40	35	32	29	24	21
			3	85	66	54	46	40	35	32	29	24	21
		V6+6	2	104	77	61	50	43	37	33	30	25	21
			3	126	93	74	61	52	45	40	36	30	26
5"	1	FP1 ⁵	2	75	56	45	37	32	28	25	22	19	16
			3	75	56	45	37	32	28	25	22	19	16
		V6+6	2	146	110	88	73	63	55	49	44	37	31
			3	146	110	88	73	63	55	49	44	37	31
	2	FP1 ⁵	2	78	60	49	42	37	33	30	27	23	19
			3	78	60	49	42	37	33	30	27	23	20
		V6+6	2	103	76	59	49	41	35	31	28	23	19
			3	137	101	79	65	54	47	41	37	30	25
	3+	FP1 ⁵	2	80	62	51	43	37	33	30	27	23	20
			3	80	62	51	43	37	33	30	27	23	20
		V6+6	2	104	77	61	50	43	37	33	30	25	21
			3	138	102	81	67	57	50	44	40	33	28
6"	1	FP1 ⁵	2	72	54	43	36	31	27	24	22	18	15
			3	72	54	43	36	31	27	24	22	18	15
		V6+6	2	155	117	93	78	67	58	52	47	39	33
			3	155	117	93	78	67	58	52	47	39	33
	2	FP1 ⁵	2	74	57	47	40	35	31	28	26	22	19
			3	74	57	47	40	35	31	28	26	22	19
		V6+6	2	104	76	60	49	41	36	31	28	23	19
			3	150	110	87	71	60	51	45	40	33	28
	3+	FP1 ⁵	2	76	59	48	41	36	32	28	26	22	19
			3	76	59	48	41	36	32	28	26	22	19
		V6+6	2	104	77	61	51	43	38	33	30	25	21

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	151	112	88	73	62	54	48	43	36	30
8"	1	FP1 ⁵	2	72	54	43	36	31	27	24	22	18	15
			3	72	54	43	36	31	27	24	22	18	15
		V6+ ⁶	2	155	117	93	78	67	58	52	47	39	33
			3	155	117	93	78	67	58	52	47	39	33
	2	FP1 ⁵	2	74	56	46	39	34	30	27	25	21	19
			3	74	56	46	39	34	30	27	25	21	19
		V6+ ⁶	2	105	77	61	50	42	36	32	28	23	20
			3	151	112	88	72	61	52	46	41	33	28
	3+	FP1 ⁵	2	75	58	47	40	35	31	28	25	22	19
			3	75	58	47	40	35	31	28	25	22	19
		V6+ ⁶	2	105	78	62	51	43	38	33	30	25	21
			3	152	113	89	74	63	55	48	43	36	31
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3. 2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels. 3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load. 4. A deflection limit of L/180 was considered. 5. FP1: One U-clip at each support with either two or three fasteners per design load. 6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim. 7. Structural capacity of the panel supports is not considered in this table. 8. Please contact Metl-Span Engineering for additional information and assistance.													

Table 8. Allowable Loads for 26Ga/26Ga Faced 36" CF Wall Panels on 14 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	54	41	32	27	23	20	18	16	14	10
			3	54	41	32	27	23	20	18	16	14	10
	2		2	59	46	38	32	28	24	21	19	16	13
			3	59	46	38	32	28	25	23	20	17	15
	3+		2	60	47	38	32	28	25	22	20	17	14
			3	60	47	38	32	28	25	22	20	17	14
2.5"	1	FP1 ⁵	2	57	43	34	28	24	21	19	17	14	12
			3	57	43	34	28	24	21	19	17	14	12

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)										
				3	4	5	6	7	8	9	10	12	14	
	2		2	61	47	39	33	28	24	21	19	16	13	
			3	61	47	39	33	29	26	23	21	18	16	
	3+		2	63	48	40	34	29	26	23	21	17	15	
			3	63	48	40	34	29	26	23	21	17	15	
3"	1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13	
			3	59	44	35	29	25	22	20	18	15	13	
		V6+ ⁶	2	97	73	58	49	42	37	32	29	24	21	
			3	97	73	58	49	42	37	32	29	24	21	
	2	FP1 ⁵	2	63	48	40	34	28	25	22	19	16	13	
			3	63	48	40	34	30	27	24	22	19	16	
		V6+ ⁶	2	72	53	41	34	28	25	22	19	16	13	
			3	84	61	48	39	33	28	25	22	18	16	
	3+	FP1 ⁵	2	64	50	41	35	30	27	24	21	18	15	
			3	64	50	41	35	30	27	24	22	18	16	
		V6+ ⁶	2	73	54	43	36	30	27	24	21	18	15	
			3	85	63	50	41	35	31	27	25	20	17	
	4"	1	FP1 ⁵	2	79	59	47	39	34	30	26	24	20	17
				3	79	59	47	39	34	30	26	24	20	17
			V6+ ⁶	2	137	103	82	68	59	51	46	41	34	29
				3	137	103	82	68	59	51	46	41	34	29
2		FP1 ⁵	2	73	54	42	34	29	25	22	20	16	14	
			3	83	64	52	45	39	35	32	29	24	20	
		V6+ ⁶	2	73	54	42	34	29	25	22	20	16	14	
			3	110	80	63	51	43	37	33	29	24	20	
3+		FP1 ⁵	2	74	55	43	36	31	27	24	21	18	15	
			3	85	66	54	46	40	35	32	29	24	21	
		V6+ ⁶	2	74	55	43	36	31	27	24	21	18	15	
			3	111	82	65	54	46	40	35	32	26	23	
5"	1	FP1 ⁵	2	75	56	45	37	32	28	25	22	19	16	
			3	75	56	45	37	32	28	25	22	19	16	

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	2	146	110	88	73	63	55	49	44	37	31
			3	146	110	88	73	63	55	49	44	37	31
	2	FP1 ⁵	2	74	54	42	35	29	25	22	20	16	14
			3	78	60	49	42	37	33	30	27	23	20
		V6+6	2	74	54	42	35	29	25	22	20	16	14
			3	111	81	64	52	44	38	33	30	24	21
	3+	FP1 ⁵	2	74	55	44	36	31	27	24	21	18	15
			3	80	62	51	43	37	33	30	27	23	20
		V6+6	2	74	55	44	36	31	27	24	21	18	15
			3	112	83	65	54	46	40	35	32	26	23
6"	1	FP1 ⁵	2	72	54	43	36	31	27	24	22	18	15
			3	72	54	43	36	31	27	24	22	18	15
		V6+6	2	153	115	92	77	66	58	51	46	38	33
			3	155	117	93	78	67	58	52	47	39	33
	2	FP1 ⁵	2	74	55	43	35	30	25	22	20	16	14
			3	74	57	47	40	35	31	28	26	22	19
		V6+6	2	74	55	43	35	30	25	22	20	16	14
			3	111	82	64	53	44	38	34	30	24	21
	3+	FP1 ⁵	2	75	55	44	36	31	27	24	21	18	15
			3	76	59	48	41	36	32	28	26	22	19
		V6+6	2	75	55	44	36	31	27	24	21	18	15
			3	112	83	66	54	46	40	36	32	26	23
8"	1	FP1 ⁵	2	72	54	43	36	31	27	24	22	18	15
			3	72	54	43	36	31	27	24	22	18	15
		V6+6	2	153	115	92	77	66	58	51	46	38	33
			3	155	117	93	78	67	58	52	47	39	33
	2	FP1 ⁵	2	74	55	43	36	30	26	23	20	17	14
			3	74	56	46	39	34	30	27	25	21	19
		V6+6	2	75	55	43	36	30	26	23	20	17	14
			3	112	83	65	53	45	39	34	30	25	21

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
	3+	FP1 ⁵	2	75	56	44	36	31	27	24	21	18	15
			3	75	58	47	40	35	31	28	25	22	19
		V6+ ⁶	2	75	56	44	36	31	27	24	21	18	15
			3	113	84	66	55	47	40	36	32	27	23
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3. 2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels. 3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load. 4. A deflection limit of L/180 was considered. 5. FP1: One U-clip at each support with either two or three fasteners per design load. 6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim. 7. Structural capacity of the panel supports is not considered in this table. 8. Please contact Metl-Span Engineering for additional information and assistance.													

Table 9. Allowable Loads for 26Ga/26Ga Faced 36" CF Wall Panels on 16 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	54	41	32	27	23	20	18	16	14	10
			3	54	41	32	27	23	20	18	16	14	10
	2		2	57	41	32	26	22	19	17	15	13	11
			3	59	46	38	32	28	25	23	20	17	15
	3+		2	58	43	34	28	24	21	19	17	14	12
			3	60	47	38	32	28	25	22	20	17	14
2.5"	1	FP1 ⁵	2	57	43	34	28	24	21	19	17	14	12
			3	57	43	34	28	24	21	19	17	14	12
	2		2	58	42	33	27	23	19	17	15	13	11
			3	61	47	39	33	29	26	23	21	18	16
	3+		2	59	43	34	28	24	21	19	17	14	12
			3	63	48	40	34	29	26	23	21	17	15
3"	1	FP1 ⁵	2	59	44	35	29	25	22	20	18	15	13
			3	59	44	35	29	25	22	20	18	15	13
		V6+ ⁶	2	97	73	58	49	42	37	32	29	24	21
			3	97	73	58	49	42	37	32	29	24	21
	2	FP1 ⁵	2	58	42	33	27	23	20	17	15	13	11

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	3	63	48	40	34	30	27	24	22	19	16
			2	58	42	33	27	23	20	17	15	13	11
			3	84	61	48	39	33	28	25	22	18	16
	3+	FP1 ⁵	2	59	43	34	29	24	21	19	17	14	12
			3	64	50	41	35	30	27	24	22	18	16
		V6+6	2	59	43	34	29	24	21	19	17	14	12
			3	85	63	50	41	35	31	27	25	20	17
4"	1	FP1 ⁵	2	79	59	47	39	34	30	26	24	20	17
			3	79	59	47	39	34	30	26	24	20	17
		V6+6	2	123	92	74	61	53	46	41	37	31	26
			3	137	103	82	68	59	51	46	41	34	29
	2	FP1 ⁵	2	59	43	34	27	23	20	18	16	13	11
			3	83	64	50	41	35	30	26	23	19	16
		V6+6	2	59	43	34	27	23	20	18	16	13	11
			3	88	64	50	41	35	30	26	23	19	16
	3+	FP1 ⁵	2	59	44	35	29	24	21	19	17	14	12
			3	85	66	52	43	37	32	28	25	21	18
		V6+6	2	59	44	35	29	24	21	19	17	14	12
			3	89	66	52	43	37	32	28	25	21	18
5"	1	FP1 ⁵	2	75	56	45	37	32	28	25	22	19	16
			3	75	56	45	37	32	28	25	22	19	16
		V6+6	2	123	92	74	61	53	46	41	37	31	26
			3	146	110	88	73	63	55	49	44	37	31
	2	FP1 ⁵	2	59	43	34	28	23	20	18	16	13	11
			3	78	60	49	42	35	30	27	24	19	16
		V6+6	2	59	43	34	28	23	20	18	16	13	11
			3	89	65	51	42	35	30	27	24	19	16
	3+	FP1 ⁵	2	59	44	35	29	25	21	19	17	14	12
			3	80	62	51	43	37	32	28	25	21	18
		V6+6	2	59	44	35	29	25	21	19	17	14	12

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	89	66	52	43	37	32	28	25	21	18
6"	1	FP1 ⁵	2	72	54	43	36	31	27	24	22	18	15
			3	72	54	43	36	31	27	24	22	18	15
		V6+ ⁶	2	123	92	74	61	53	46	41	37	31	26
			3	155	117	93	78	67	58	52	47	39	33
	2	FP1 ⁵	2	59	44	34	28	24	20	18	16	13	11
			3	74	57	47	40	35	31	27	24	20	17
		V6+ ⁶	2	59	44	34	28	24	20	18	16	13	11
			3	89	66	51	42	35	31	27	24	20	17
	3+	FP1 ⁵	2	60	44	35	29	25	21	19	17	14	12
			3	76	59	48	41	36	32	28	26	21	18
		V6+ ⁶	2	60	44	35	29	25	21	19	17	14	12
			3	90	66	53	43	37	32	28	26	21	18
8"	1	FP1 ⁵	2	72	54	43	36	31	27	24	22	18	15
			3	72	54	43	36	31	27	24	22	18	15
		V6+ ⁶	2	123	92	74	61	53	46	41	37	31	26
			3	155	117	93	78	67	58	52	47	39	33
	2	FP1 ⁵	2	60	44	35	28	24	21	18	16	13	11
			3	74	56	46	39	34	30	27	24	20	17
		V6+ ⁶	2	60	44	35	28	24	21	18	16	13	11
			3	90	66	52	43	36	31	27	24	20	17
	3+	FP1 ⁵	2	60	45	35	29	25	22	19	17	14	12
			3	75	58	47	40	35	31	28	25	21	18
		V6+ ⁶	2	60	45	35	29	25	22	19	17	14	12
			3	90	67	53	44	37	32	29	26	21	18

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3.
2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels.
3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load.
4. A deflection limit of L/180 was considered.
5. FP1: One U-clip at each support with either two or three fasteners per design load.
6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one 1/4"-14x2" face-to-clip fastener as each end support and covered with trim.
7. Structural capacity of the panel supports is not considered in this table.
8. Please contact Metl-Span Engineering for additional information and assistance.

Table 10. Allowable Loads for 26Ga/26Ga Faced 30" CF Wall Panels on 12 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	65	49	39	32	28	24	22	19	15	10
			3	65	49	39	32	28	24	22	19	15	10
	2		2	70	55	45	39	34	30	27	25	21	15
			3	70	55	45	39	34	30	27	25	21	15
	3+		2	72	56	46	39	34	30	26	24	20	15
			3	72	56	46	39	34	30	26	24	20	15
2.5"	1	FP1 ⁵	2	68	51	41	34	29	26	23	20	17	15
			3	68	51	41	34	29	26	23	20	17	15
	2		2	73	57	47	40	35	31	28	26	22	19
			3	73	57	47	40	35	31	28	26	22	19
	3+		2	75	58	48	40	35	31	28	25	21	18
			3	75	58	48	40	35	31	28	25	21	18
3"	1	FP1 ⁵	2	71	53	42	35	30	27	24	21	18	15
			3	71	53	42	35	30	27	24	21	18	15
		V6+ ⁶	2	117	88	70	58	50	44	39	35	29	21
			3	117	88	70	58	50	44	39	35	29	21
	2	FP1 ⁵	2	75	58	48	41	36	32	29	26	22	19
			3	75	58	48	41	36	32	29	26	22	19
		V6+ ⁶	2	101	74	57	47	40	34	30	27	22	19
			3	101	74	57	47	40	34	30	27	22	19
	3+	FP1 ⁵	2	77	60	49	42	36	32	29	26	22	19
			3	77	60	49	42	36	32	29	26	22	19
		V6+ ⁶	2	102	76	60	50	42	37	33	29	24	21
			3	102	76	60	50	42	37	33	29	24	21
4"	1	FP1 ⁵	2	95	71	57	47	41	36	32	28	24	20
			3	95	71	57	47	41	36	32	28	24	20
		V6+ ⁶	2	162	121	97	81	69	61	54	49	40	29
			3	162	121	97	81	69	61	54	49	40	29
	2	FP1 ⁵	2	99	77	63	54	47	42	37	33	27	23

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	3	99	77	63	54	47	42	38	35	29	26
			2	123	90	70	58	48	42	37	33	27	23
			3	150	110	86	70	59	51	45	40	33	28
	3+	FP1 ⁵	2	102	79	65	55	48	42	38	34	29	25
			3	102	79	65	55	48	42	38	34	29	25
		V6+6	2	124	92	73	60	51	45	40	36	30	25
			3	151	112	89	73	62	54	48	43	36	31
5"	1	FP1 ⁵	2	90	67	54	45	39	34	30	27	22	19
			3	90	67	54	45	39	34	30	27	22	19
		V6+6	2	175	131	105	88	75	66	58	53	44	38
			3	175	131	105	88	75	66	58	53	44	38
	2	FP1 ⁵	2	93	72	59	50	44	39	35	32	27	23
			3	93	72	59	50	44	39	35	32	28	24
		V6+6	2	124	91	71	58	49	42	37	33	27	23
			3	165	121	95	77	65	56	49	44	36	31
	3+	FP1 ⁵	2	96	74	61	52	45	40	36	32	27	24
			3	96	74	61	52	45	40	36	32	27	24
		V6+6	2	125	92	73	61	52	45	40	36	30	25
			3	166	123	97	80	68	60	53	47	39	34
	6"	1	FP1 ⁵	2	86	65	52	43	37	32	29	26	22
				3	86	65	52	43	37	32	29	26	22
			V6+6	2	186	140	112	93	80	70	62	56	47
				3	186	140	112	93	80	70	62	56	47
		2	FP1 ⁵	2	89	68	56	48	42	37	34	31	26
				3	89	68	56	48	42	37	34	31	26
			V6+6	2	125	92	72	59	50	43	38	33	27
				3	180	132	104	85	72	62	54	48	40
		3+	FP1 ⁵	2	91	70	58	49	43	38	34	31	26
				3	91	70	58	49	43	38	34	31	26
			V6+6	2	125	93	74	61	52	45	40	36	30

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	181	134	106	88	75	65	58	52	43	37
8"	1	FP1 ⁵	2	86	65	52	43	37	32	29	26	22	19
			3	86	65	52	43	37	32	29	26	22	19
		V6+ ⁶	2	186	140	112	93	80	70	62	56	47	40
			3	186	140	112	93	80	70	62	56	47	40
	2	FP1 ⁵	2	89	68	55	47	41	36	33	30	26	22
			3	89	68	55	47	41	36	33	30	26	22
		V6+ ⁶	2	126	93	73	60	50	44	38	34	28	23
			3	182	134	105	86	73	63	55	49	40	34
	3+	FP1 ⁵	2	90	69	57	48	42	37	34	31	26	22
			3	90	69	57	48	42	37	34	31	26	22
		V6+ ⁶	2	126	94	74	61	52	45	40	36	30	25
			3	182	135	107	88	75	65	58	52	43	37

1.

Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3.

2.

Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels.

3.

Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load.

4.

A deflection limit of L/180 was considered.

5.

FP1: One U-clip at each support with either two or three fasteners per design load.

6.

V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim.

7.

Structural capacity of the panel supports is not considered in this table.

8.

Please contact Metl-Span Engineering for additional information and assistance.

Table 11. Allowable Loads for 26Ga/26Ga Faced 30" CF Wall Panels on 14 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	65	49	39	32	28	24	22	19	15	10
			3	65	49	39	32	28	24	22	19	15	10
	2		2	70	55	45	39	33	29	26	23	19	15
			3	70	55	45	39	34	30	27	25	21	15
	3+		2	72	56	46	39	34	30	26	24	20	15
			3	72	56	46	39	34	30	26	24	20	15
2.5"	1	FP1 ⁵	2	68	51	41	34	29	26	23	20	17	15
			3	68	51	41	34	29	26	23	20	17	15

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)										
				3	4	5	6	7	8	9	10	12	14	
	2		2	73	57	47	40	34	29	26	23	19	16	
			3	73	57	47	40	35	31	28	26	22	19	
	3+		2	75	58	48	40	35	31	28	25	21	18	
			3	75	58	48	40	35	31	28	25	21	18	
3"	1	FP1 ⁵	2	71	53	42	35	30	27	24	21	18	15	
			3	71	53	42	35	30	27	24	21	18	15	
		V6+ ⁶	2	117	88	70	58	50	44	39	35	29	21	
			3	117	88	70	58	50	44	39	35	29	21	
	2	FP1 ⁵	2	75	58	48	40	34	29	26	23	19	16	
			3	75	58	48	41	36	32	29	26	22	19	
		V6+ ⁶	2	87	63	50	40	34	29	26	23	19	16	
			3	101	74	57	47	40	34	30	27	22	19	
	3+	FP1 ⁵	2	77	60	49	42	36	32	28	25	21	18	
			3	77	60	49	42	36	32	29	26	22	19	
		V6+ ⁶	2	88	65	52	43	36	32	28	25	21	18	
			3	102	76	60	50	42	37	33	29	24	21	
	4"	1	FP1 ⁵	2	95	71	57	47	41	36	32	28	24	20
				3	95	71	57	47	41	36	32	28	24	20
			V6+ ⁶	2	162	121	97	81	69	61	54	49	40	29
				3	162	121	97	81	69	61	54	49	40	29
2		FP1 ⁵	2	88	64	50	41	35	30	26	23	19	16	
			3	99	77	63	54	47	42	38	35	29	24	
		V6+ ⁶	2	88	64	50	41	35	30	26	23	19	16	
			3	132	97	75	62	52	45	39	35	29	24	
3+		FP1 ⁵	2	89	66	52	43	37	32	28	25	21	18	
			3	102	79	65	55	48	42	38	34	29	25	
		V6+ ⁶	2	89	66	52	43	37	32	28	25	21	18	
			3	133	99	78	65	55	48	42	38	32	27	
5"	1	FP1 ⁵	2	90	67	54	45	39	34	30	27	22	19	
			3	90	67	54	45	39	34	30	27	22	19	

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	2	175	131	105	88	75	66	58	53	44	38
			3	175	131	105	88	75	66	58	53	44	38
	2	FP1 ⁵	2	89	65	51	42	35	30	27	24	19	16
			3	93	72	59	50	44	39	35	32	28	24
		V6+6	2	89	65	51	42	35	30	27	24	19	16
			3	133	98	76	62	53	45	40	35	29	25
	3+	FP1 ⁵	2	89	66	52	43	37	32	28	25	21	18
			3	96	74	61	52	45	40	36	32	27	24
		V6+6	2	89	66	52	43	37	32	28	25	21	18
			3	134	99	78	65	55	48	43	38	32	27
6"	1	FP1 ⁵	2	86	65	52	43	37	32	29	26	22	19
			3	86	65	52	43	37	32	29	26	22	19
		V6+6	2	184	138	110	92	79	69	61	55	46	39
			3	186	140	112	93	80	70	62	56	47	40
	2	FP1 ⁵	2	89	66	51	42	35	31	27	24	20	17
			3	89	68	56	48	42	37	34	31	26	23
		V6+6	2	89	66	51	42	35	31	27	24	20	17
			3	134	98	77	63	53	46	40	36	29	25
	3+	FP1 ⁵	2	90	66	53	43	37	32	28	26	21	18
			3	91	70	58	49	43	38	34	31	26	23
		V6+6	2	90	66	53	43	37	32	28	26	21	18
			3	134	100	79	65	55	48	43	38	32	27
8"	1	FP1 ⁵	2	86	65	52	43	37	32	29	26	22	19
			3	86	65	52	43	37	32	29	26	22	19
		V6+6	2	184	138	110	92	79	69	61	55	46	39
			3	186	140	112	93	80	70	62	56	47	40
	2	FP1 ⁵	2	89	66	52	43	36	31	27	24	20	17
			3	89	68	55	47	41	36	33	30	26	22
		V6+6	2	90	66	52	43	36	31	27	24	20	17
			3	135	99	78	64	54	47	41	36	30	25

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
	3+	FP1 ⁵	2	90	67	53	44	37	32	29	26	21	18
			3	90	69	57	48	42	37	34	31	26	22
		V6+ ⁶	2	90	67	53	44	37	32	29	26	21	18
			3	135	100	79	66	56	49	43	39	32	27
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3. 2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels. 3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load. 4. A deflection limit of L/180 was considered. 5. FP1: One U-clip at each support with either two or three fasteners per design load. 6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim. 7. Structural capacity of the panel supports is not considered in this table. 8. Please contact Metl-Span Engineering for additional information and assistance.													

Table 12. Allowable Loads for 26Ga/26Ga Faced 30" CF Wall Panels on 16 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	65	49	39	32	28	24	22	19	15	10
			3	65	49	39	32	28	24	22	19	15	10
	2		2	68	50	39	32	27	23	20	18	15	13
			3	70	55	45	39	34	30	27	25	21	15
	3+		2	70	52	41	34	29	25	22	20	17	14
			3	72	56	46	39	34	30	26	24	20	15
2.5"	1	FP1 ⁵	2	68	51	41	34	29	26	23	20	17	15
			3	68	51	41	34	29	26	23	20	17	15
	2		2	69	50	39	32	27	23	21	18	15	13
			3	73	57	47	40	35	31	28	26	22	19
	3+		2	70	52	41	34	29	25	23	20	17	14
			3	75	58	48	40	35	31	28	25	21	18
3"	1	FP1 ⁵	2	71	53	42	35	30	27	24	21	18	15
			3	71	53	42	35	30	27	24	21	18	15
		V6+ ⁶	2	117	88	70	58	50	44	39	35	29	21
			3	117	88	70	58	50	44	39	35	29	21
	2	FP1 ⁵	2	70	51	40	32	27	24	21	19	15	13

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	3	75	58	48	41	36	32	29	26	22	19
			2	70	51	40	32	27	24	21	19	15	13
			3	101	74	57	47	40	34	30	27	22	19
	3+	FP1 ⁵	2	71	52	41	34	29	25	23	20	17	14
			3	77	60	49	42	36	32	29	26	22	19
		V6+6	2	71	52	41	34	29	25	23	20	17	14
			3	102	76	60	50	42	37	33	29	24	21
4"	1	FP1 ⁵	2	95	71	57	47	41	36	32	28	24	20
			3	95	71	57	47	41	36	32	28	24	20
		V6+6	2	147	110	88	74	63	55	49	44	37	29
			3	162	121	97	81	69	61	54	49	40	29
	2	FP1 ⁵	2	70	51	40	33	28	24	21	19	15	13
			3	99	77	60	49	42	36	32	28	23	20
		V6+6	2	70	51	40	33	28	24	21	19	15	13
			3	105	77	60	49	42	36	32	28	23	20
	3+	FP1 ⁵	2	71	53	42	34	29	26	23	20	17	14
			3	102	79	62	52	44	38	34	30	25	22
		V6+6	2	71	53	42	34	29	26	23	20	17	14
			3	107	79	62	52	44	38	34	30	25	22
5"	1	FP1 ⁵	2	90	67	54	45	39	34	30	27	22	19
			3	90	67	54	45	39	34	30	27	22	19
		V6+6	2	147	110	88	74	63	55	49	44	37	32
			3	175	131	105	88	75	66	58	53	44	38
	2	FP1 ⁵	2	71	52	41	33	28	24	21	19	16	13
			3	93	72	59	50	42	36	32	28	23	20
		V6+6	2	71	52	41	33	28	24	21	19	16	13
			3	106	78	61	50	42	36	32	28	23	20
	3+	FP1 ⁵	2	71	53	42	35	29	26	23	20	17	14
			3	96	74	61	52	44	38	34	31	25	22
		V6+6	2	71	53	42	35	29	26	23	20	17	14

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	107	79	63	52	44	38	34	31	25	22
6"	1	FP1 ⁵	2	86	65	52	43	37	32	29	26	22	19
			3	86	65	52	43	37	32	29	26	22	19
		V6+ ⁶	2	147	110	88	74	63	55	49	44	37	32
			3	186	140	112	93	80	70	62	56	47	40
	2	FP1 ⁵	2	71	52	41	34	28	24	21	19	16	13
			3	89	68	56	48	42	37	32	29	23	20
		V6+ ⁶	2	71	52	41	34	28	24	21	19	16	13
			3	107	79	62	50	43	37	32	29	23	20
	3+	FP1 ⁵	2	72	53	42	35	30	26	23	20	17	14
			3	91	70	58	49	43	38	34	31	25	22
		V6+ ⁶	2	72	53	42	35	30	26	23	20	17	14
			3	107	80	63	52	44	39	34	31	25	22
8"	1	FP1 ⁵	2	86	65	52	43	37	32	29	26	22	19
			3	86	65	52	43	37	32	29	26	22	19
		V6+ ⁶	2	147	110	88	74	63	55	49	44	37	32
			3	186	140	112	93	80	70	62	56	47	40
	2	FP1 ⁵	2	72	53	42	34	29	25	22	19	16	13
			3	89	68	55	47	41	36	33	29	24	20
		V6+ ⁶	2	72	53	42	34	29	25	22	19	16	13
			3	108	80	63	51	43	37	33	29	24	20
	3+	FP1 ⁵	2	72	53	42	35	30	26	23	21	17	15
			3	90	69	57	48	42	37	34	31	26	22
		V6+ ⁶	2	72	53	42	35	30	26	23	21	17	15
			3	108	80	63	52	45	39	34	31	26	22

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3.
2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels.
3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load.
4. A deflection limit of L/180 was considered.
5. FP1: One U-clip at each support with either two or three fasteners per design load.
6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one 1/4"-14x2" face-to-clip fastener as each end support and covered with trim.
7. Structural capacity of the panel supports is not considered in this table.
8. Please contact Metl-Span Engineering for additional information and assistance.

Table 13. Allowable Loads for 26Ga/26Ga Faced 24" CF Wall Panels on 12 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	81	61	49	41	35	30	27	23	15	10
			3	81	61	49	41	35	30	27	23	15	10
	2		2	88	68	55	45	38	33	29	26	21	15
			3	88	68	55	45	38	33	29	26	21	15
	3+		2	91	70	57	48	42	36	32	29	21	15
			3	91	70	57	48	42	36	32	29	21	15
2.5"	1	FP1 ⁵	2	85	64	51	43	36	32	28	26	21	15
			3	85	64	51	43	36	32	28	26	21	15
	2		2	91	71	58	50	43	37	33	29	24	19
			3	91	71	58	50	43	37	33	29	24	19
	3+		2	94	73	60	50	44	39	34	31	26	22
			3	94	73	60	50	44	39	34	31	26	22
3"	1	FP1 ⁵	2	88	66	53	44	38	33	29	27	22	19
			3	88	66	53	44	38	33	29	27	22	19
		V6+ ⁶	2	123	92	74	62	53	46	41	37	29	21
			3	123	92	74	62	53	46	41	37	29	21
	2	FP1 ⁵	2	94	73	60	51	45	39	35	31	26	22
			3	94	73	60	51	45	39	35	31	26	22
		V6+ ⁶	2	116	85	66	54	46	39	35	31	26	22
			3	116	85	66	54	46	39	35	31	26	22
	3+	FP1 ⁵	2	97	75	61	52	45	40	36	32	27	23
			3	97	75	61	52	45	40	36	32	27	23
		V6+ ⁶	2	118	87	69	57	49	43	38	34	28	24
			3	118	87	69	57	49	43	38	34	28	24
4"	1	FP1 ⁵	2	118	89	71	59	51	44	39	36	30	25
			3	118	89	71	59	51	44	39	36	30	25
		V6+ ⁶	2	162	121	97	81	69	61	54	49	40	29
			3	162	121	97	81	69	61	54	49	40	29
	2	FP1 ⁵	2	124	96	79	67	59	52	46	41	34	29

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	3	124	96	79	67	59	52	46	41	34	29
			2	154	113	88	72	61	52	46	41	34	29
			3	155	113	88	72	61	53	46	41	34	29
	3+	FP1 ⁵	2	128	99	81	69	60	53	47	43	36	31
			3	128	99	81	69	60	53	47	43	36	31
		V6+6	2	155	115	91	75	64	56	50	44	37	32
			3	156	115	91	76	64	56	50	45	37	32
5"	1	FP1 ⁵	2	112	84	67	56	48	42	37	34	28	24
			3	112	84	67	56	48	42	37	34	28	24
		V6+6	2	219	164	131	110	94	82	73	66	53	39
			3	219	164	131	110	94	82	73	66	53	39
	2	FP1 ⁵	2	117	90	74	63	55	49	44	40	34	29
			3	117	90	74	63	55	49	44	40	34	30
		V6+6	2	155	114	89	73	61	53	46	41	34	29
			3	206	151	118	97	82	70	62	55	45	38
	3+	FP1 ⁵	2	120	93	76	64	56	50	45	40	34	29
			3	120	93	76	64	56	50	45	40	34	29
		V6+6	2	156	116	92	76	64	56	50	45	37	32
			3	208	154	122	101	86	75	66	59	49	42
6"	1	FP1 ⁵	2	108	81	65	54	46	41	36	32	27	23
			3	108	81	65	54	46	41	36	32	27	23
		V6+6	2	233	175	140	117	100	87	78	70	58	50
			3	233	175	140	117	100	87	78	70	58	50
	2	FP1 ⁵	2	112	86	70	60	52	47	42	38	33	29
			3	112	86	70	60	52	47	42	38	33	29
		V6+6	2	156	115	90	74	62	53	47	42	34	29
			3	225	166	130	106	90	77	68	60	49	42
	3+	FP1 ⁵	2	114	88	72	61	53	47	43	39	33	28
			3	114	88	72	61	53	47	43	39	33	28
		V6+6	2	157	116	92	76	65	56	50	45	37	32

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	226	168	133	110	93	81	72	65	54	46
8"	1	FP1 ⁵	2	108	81	65	54	46	41	36	32	27	23
			3	108	81	65	54	46	41	36	32	27	23
		V6+ ⁶	2	233	175	140	117	100	87	78	70	58	50
			3	233	175	140	117	100	87	78	70	58	50
	2	FP1 ⁵	2	111	84	69	58	51	45	41	38	32	28
			3	111	84	69	58	51	45	41	38	32	28
		V6+ ⁶	2	157	116	91	75	63	54	48	42	35	29
			3	227	168	132	108	91	79	69	61	50	42
	3+	FP1 ⁵	2	113	87	71	60	53	47	42	38	32	28
			3	113	87	71	60	53	47	42	38	32	28
		V6+ ⁶	2	158	117	93	77	65	57	50	45	37	32
			3	228	169	134	110	94	82	72	65	54	46
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3. 2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels. 3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load. 4. A deflection limit of L/180 was considered. 5. FP1: One U-clip at each support with either two or three fasteners per design load. 6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim. 7. Structural capacity of the panel supports is not considered in this table. 8. Please contact Metl-Span Engineering for additional information and assistance.													

Table 14. Allowable Loads for 26Ga/26Ga Faced 24" CF Wall Panels on 14 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	81	61	49	41	35	30	27	23	15	10
			3	81	61	49	41	35	30	27	23	15	10
	2		2	88	68	55	45	38	33	29	26	21	15
			3	88	68	55	45	38	33	29	26	21	15
	3+		2	91	70	57	48	42	36	32	29	21	15
			3	91	70	57	48	42	36	32	29	21	15
2.5"	1	FP1 ⁵	2	85	64	51	43	36	32	28	26	21	15
			3	85	64	51	43	36	32	28	26	21	15

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)										
				3	4	5	6	7	8	9	10	12	14	
	2		2	91	71	58	50	42	37	32	29	24	19	
			3	91	71	58	50	43	37	33	29	24	19	
	3+		2	94	73	60	50	44	39	34	31	26	22	
			3	94	73	60	50	44	39	34	31	26	22	
3"	1	FP1 ⁵	2	88	66	53	44	38	33	29	27	22	19	
			3	88	66	53	44	38	33	29	27	22	19	
		V6+ ⁶	2	123	92	74	62	53	46	41	37	29	21	
			3	123	92	74	62	53	46	41	37	29	21	
	2	FP1 ⁵	2	94	73	60	51	43	37	32	29	24	20	
			3	94	73	60	51	45	39	35	31	26	22	
		V6+ ⁶	2	109	79	62	51	43	37	32	29	24	20	
			3	116	85	66	54	46	39	35	31	26	22	
	3+	FP1 ⁵	2	97	75	61	52	45	40	35	32	26	23	
			3	97	75	61	52	45	40	36	32	27	23	
		V6+ ⁶	2	110	82	65	53	46	40	35	32	26	23	
			3	118	87	69	57	49	43	38	34	28	24	
	4"	1	FP1 ⁵	2	118	89	71	59	51	44	39	36	30	25
				3	118	89	71	59	51	44	39	36	30	25
			V6+ ⁶	2	162	121	97	81	69	61	54	49	40	29
				3	162	121	97	81	69	61	54	49	40	29
2		FP1 ⁵	2	110	80	63	51	43	37	33	29	24	20	
			3	124	96	79	67	59	52	46	41	34	29	
		V6+ ⁶	2	110	80	63	51	43	37	33	29	24	20	
			3	155	113	88	72	61	53	46	41	34	29	
3+		FP1 ⁵	2	111	82	65	54	46	40	35	32	26	23	
			3	128	99	81	69	60	53	47	43	36	31	
		V6+ ⁶	2	111	82	65	54	46	40	35	32	26	23	
			3	156	115	91	76	64	56	50	45	37	32	
5"	1	FP1 ⁵	2	112	84	67	56	48	42	37	34	28	24	
			3	112	84	67	56	48	42	37	34	28	24	

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	2	219	164	131	110	94	82	73	66	53	39
			3	219	164	131	110	94	82	73	66	53	39
	2	FP1 ⁵	2	111	81	64	52	44	38	33	30	24	21
			3	117	90	74	63	55	49	44	40	34	30
		V6+6	2	111	81	64	52	44	38	33	30	24	21
			3	166	122	96	78	66	57	50	44	36	31
	3+	FP1 ⁵	2	112	83	65	54	46	40	35	32	26	23
			3	120	93	76	64	56	50	45	40	34	29
		V6+6	2	112	83	65	54	46	40	35	32	26	23
			3	167	124	98	81	69	60	53	48	40	34
6"	1	FP1 ⁵	2	108	81	65	54	46	41	36	32	27	23
			3	108	81	65	54	46	41	36	32	27	23
		V6+6	2	230	173	138	115	99	86	77	69	58	49
			3	233	175	140	117	100	87	78	70	58	50
	2	FP1 ⁵	2	111	82	64	53	44	38	34	30	24	21
			3	112	86	70	60	52	47	42	38	33	29
		V6+6	2	111	82	64	53	44	38	34	30	24	21
			3	167	123	96	79	66	57	50	45	37	31
	3+	FP1 ⁵	2	112	83	66	54	46	40	36	32	26	23
			3	114	88	72	61	53	47	43	39	33	28
		V6+6	2	112	83	66	54	46	40	36	32	26	23
			3	168	124	98	81	69	60	53	48	40	34
8"	1	FP1 ⁵	2	108	81	65	54	46	41	36	32	27	23
			3	108	81	65	54	46	41	36	32	27	23
		V6+6	2	230	173	138	115	99	86	77	69	58	49
			3	233	175	140	117	100	87	78	70	58	50
	2	FP1 ⁵	2	111	83	65	53	45	39	34	30	25	21
			3	111	84	69	58	51	45	41	38	32	28
		V6+6	2	112	83	65	53	45	39	34	30	25	21
			3	168	124	98	80	68	58	51	46	37	31

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
	3+	FP1 ⁵	2	113	84	66	55	47	40	36	32	27	23
			3	113	87	71	60	53	47	42	38	32	28
		V6+ ⁶	2	113	84	66	55	47	40	36	32	27	23
			3	169	125	99	82	70	61	54	48	40	34
1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3. 2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels. 3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load. 4. A deflection limit of L/180 was considered. 5. FP1: One U-clip at each support with either two or three fasteners per design load. 6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one ¼"-14x2" face-to-clip fastener as each end support and covered with trim. 7. Structural capacity of the panel supports is not considered in this table. 8. Please contact Metl-Span Engineering for additional information and assistance.													

Table 15. Allowable Loads for 26Ga/26Ga Faced 42" CF Wall Panels on 12 ga. supports^{1,2,3,4,7,8}

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
2"	1	FP1 ⁵	2	81	61	49	41	35	30	27	23	15	10
			3	81	61	49	41	35	30	27	23	15	10
	2		2	85	62	48	40	33	29	26	23	19	15
			3	88	68	55	45	38	33	29	26	21	15
	3+		2	87	65	51	43	36	32	28	25	21	15
			3	91	70	57	48	42	36	32	29	21	15
2.5"	1	FP1 ⁵	2	85	64	51	43	36	32	28	26	21	15
			3	85	64	51	43	36	32	28	26	21	15
	2		2	86	63	49	40	34	29	26	23	19	16
			3	91	71	58	50	43	37	33	29	24	19
	3+		2	88	65	52	43	36	32	28	25	21	18
			3	94	73	60	50	44	39	34	31	26	22
3"	1	FP1 ⁵	2	88	66	53	44	38	33	29	27	22	19
			3	88	66	53	44	38	33	29	27	22	19
		V6+ ⁶	2	123	92	74	62	53	46	41	37	29	21
			3	123	92	74	62	53	46	41	37	29	21
	2	FP1 ⁵	2	87	63	50	40	34	29	26	23	19	16

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
		V6+6	3	94	73	60	51	45	39	35	31	26	22
			2	87	63	50	40	34	29	26	23	19	16
			3	116	85	66	54	46	39	35	31	26	22
	3+	FP1 ⁵	2	88	65	52	43	36	32	28	25	21	18
			3	97	75	61	52	45	40	36	32	27	23
		V6+6	2	88	65	52	43	36	32	28	25	21	18
			3	118	87	69	57	49	43	38	34	28	24
4"	1	FP1 ⁵	2	118	89	71	59	51	44	39	36	30	25
			3	118	89	71	59	51	44	39	36	30	25
		V6+6	2	162	121	97	81	69	61	54	49	40	29
			3	162	121	97	81	69	61	54	49	40	29
	2	FP1 ⁵	2	88	64	50	41	35	30	26	23	19	16
			3	124	96	75	62	52	45	39	35	29	24
		V6+6	2	88	64	50	41	35	30	26	23	19	16
			3	132	97	75	62	52	45	39	35	29	24
	3+	FP1 ⁵	2	89	66	52	43	37	32	28	25	21	18
			3	128	99	78	65	55	48	42	38	32	27
		V6+6	2	89	66	52	43	37	32	28	25	21	18
			3	133	99	78	65	55	48	42	38	32	27
5"	1	FP1 ⁵	2	112	84	67	56	48	42	37	34	28	24
			3	112	84	67	56	48	42	37	34	28	24
		V6+6	2	184	138	110	92	79	69	61	55	46	39
			3	219	164	131	110	94	82	73	66	53	39
	2	FP1 ⁵	2	89	65	51	42	35	30	27	24	19	16
			3	117	90	74	62	53	45	40	35	29	25
		V6+6	2	89	65	51	42	35	30	27	24	19	16
			3	133	98	76	62	53	45	40	35	29	25
	3+	FP1 ⁵	2	89	66	52	43	37	32	28	25	21	18
			3	120	93	76	64	55	48	43	38	32	27
		V6+6	2	89	66	52	43	37	32	28	25	21	18

Thickness	# of Spans	Fastening	# of Screws	Support Spacing (ft)									
				3	4	5	6	7	8	9	10	12	14
			3	134	99	78	65	55	48	43	38	32	27
6"	1	FP1 ⁵	2	108	81	65	54	46	41	36	32	27	23
			3	108	81	65	54	46	41	36	32	27	23
		V6+ ⁶	2	184	138	110	92	79	69	61	55	46	39
			3	233	175	140	117	100	87	78	70	58	50
	2	FP1 ⁵	2	89	66	51	42	35	31	27	24	20	17
			3	112	86	70	60	52	46	40	36	29	25
		V6+ ⁶	2	89	66	51	42	35	31	27	24	20	17
			3	134	98	77	63	53	46	40	36	29	25
	3+	FP1 ⁵	2	90	66	53	43	37	32	28	26	21	18
			3	114	88	72	61	53	47	43	38	32	27
		V6+ ⁶	2	90	66	53	43	37	32	28	26	21	18
			3	134	100	79	65	55	48	43	38	32	27
8"	1	FP1 ⁵	2	108	81	65	54	46	41	36	32	27	23
			3	108	81	65	54	46	41	36	32	27	23
		V6+ ⁶	2	184	138	110	92	79	69	61	55	46	39
			3	233	175	140	117	100	87	78	70	58	50
	2	FP1 ⁵	2	90	66	52	43	36	31	27	24	20	17
			3	111	84	69	58	51	45	41	36	30	25
		V6+ ⁶	2	90	66	52	43	36	31	27	24	20	17
			3	135	99	78	64	54	47	41	36	30	25
	3+	FP1 ⁵	2	90	67	53	44	37	32	29	26	21	18
			3	113	87	71	60	53	47	42	38	32	27
		V6+ ⁶	2	90	67	53	44	37	32	29	26	21	18
			3	135	100	79	66	56	49	43	39	32	27

1. Based on Allowable Stress Design (ASD). No factor has been applied for loads limited by deflection as permitted per FBC Section 1604.3.
2. Allowable inward and outward loads shown in this table are based on the lowest value of panel wrinkling, shear, deflection ratio limits and connection strength for wall panels.
3. Limit states are derived from ASTM E72 testing and do not factor the effects of thermal load.
4. A deflection limit of L/180 was considered.
5. FP1: One U-clip at each support with either two or three fasteners per design load.
6. V6+: V6 x-Span clip at each support with either two or three fasteners per design load. Additionally, one 1/4"-14x2" face-to-clip fastener as each end support and covered with trim.
7. Structural capacity of the panel supports is not considered in this table.
8. Please contact Metl-Span Engineering for additional information and assistance.



For use of CF Wall Panels in High-Velocity Hurricane Zones (HVHZ) see FL46658 24-DrJ-0080.FPA.

CF Wall Panels are manufactured at the following locations:

- Hamilton, Ontario
- Laurens, South Carolina
- Waterloo, Indiana
- Prince George, Virginia
- Brigham City, Utah

DrJ's certification procedures are fully compliant with the ISO/IEC 17065 certification procedures and DrJ's scope of professional expertise.

Should there be an issue with respect to the "approval of use" of this Duly Authenticated Report, any disapproval shall be based upon specific provisions of adopted legislation and shall be provided in writing stating the reasons why the technical evaluation report was not approved⁴ with reference to any legislation or regulations that have been violated.⁵

If there are any additional questions or concerns, we will gladly provide a Florida professional engineering⁶ and ANAB ISO/IEC 17065 accredited⁷ approved agency response. Pursuant to the 2023 FBC Code Section 1707.1⁸ we would sincerely appreciate knowing the specific building regulations and/or professional engineering law that this evaluation does not comply with, so that we can cure any non-conformance. From specifics, we can then delineate a path forward that will serve everyone's free and fair market⁹ best interests.

Our goal with the foregoing evaluation and certification is to provide both the accepted engineering analysis and regulatory compliance substance that supports efficient approval. Please contact us if we can help further in any way. If your request is time-sensitive, please contact Jill Zimmerman at (920) 988-7165. Thank you very much.

Respectfully yours,

Chris Scoville
Vice President Product Certification
608-310-6720

Ryan Dexter, P.E.
Florida 69484
Vice President
608-310-6744

¹ The scope of work contained herein is limited to the specific engineering and/or code compliance analysis undertaken in this duly authenticated report which is also known as a technical evaluation, evaluation report, research report, accepted evaluation to a reasonable degree of engineering certainty and so forth. This work has been prepared by an Approved Source, who is a Registered Design Professional (RDP). No representation or warranty is expressed or implied by this duly authenticated report beyond the scope of work performed. Information, data, and/or analysis that becomes available in the future may justify modifications to this professional evaluation report.

² The scope of this evaluation did not include a detailed examination or analysis of any building design or any site-specific application/installation issues that may present. This evaluation is limited to the specific analysis undertaken in this report and did not include any testing. No representation or warranty is expressed or implied by this report with respect to design, application, installation or conditions of use, or any circumstances unknown to DrJ staff. Information or data that becomes available at a later date may justify modifications to this report.

³ All ideas, engineering analysis and test data are proprietary intellectual property (IP) and trade secrets (TS) and should not be provided to anyone. In particular, public regulatory officials are subject to freedom of information act requests -- federal and state public records acts. This means that IP and TS will be in the public domain when any information is provided. In addition, each state also has legislation that mimics the federal Defend Trade Secrets Act 2016 (DTSA), where providing test reports, engineering analysis and/or other related IP/TS is subject to prison of not more than 10 years and/or a \$5,000,000 fine or 3 times the value of the IP and TS. To follow DTSA and to comply with state public records and trade secret legislation requires approval through ANAB ISO/IEC 17065 accredited certification bodies or approved sources. For more information, please visit the following websites: <http://www.drjengineering.org/AppendixC> and <https://www.dricertification.org/cornell-2016-protection-trade-secrets>.

⁴ Title 18 US Code Section 242 affirms and regulates the right of individuals and businesses to freely and fairly have alternative to code-referenced materials, products, services, designs, and/or methods of construction approved for use in commerce. Disapproval of alternative to code applications shall be based upon specific provisions of adopted legislation and shall be provided in writing stating the reasons why the alternative was not approved with reference to legislation violated. Disapproval or denial of free and fair commerce without Utah legislative justification is discrimination.

⁵ Approved: Building codes require that the building official shall accept duly authenticated reports or research reports from approved agencies and/or approved sources (i.e., licensed RDP) with respect to the quality and manner of use of new products, materials, designs, services, assemblies, or methods of construction. Acceptability of an approved agency, by a building official, is performed by verifying that the agency is accredited by a recognized accreditation body of the International Accreditation Forum (IAF). Acceptability of a licensed RDP by a building official is performed by verifying that the RDP and/or their business entity is listed by the licensing board of the relevant jurisdiction. Approved is an adjective that modifies the noun after it. For example, Approved Agency means that the Agency is accepted officially as being suitable in a particular situation. This example conforms to IBC/IRC/IFC Section 201.4 where the building code authorizes sentences to have an ordinarily accepted meaning such as the context implies.

⁶ Approved source. An independent person, firm or corporation, approved by the building official, who is competent and experienced in the application of engineering principles to materials, methods or systems analyses, which is a professional engineer. To find licensed professional engineers please see this website: <https://www.nspe.org/resources/licensure/licensing-boards> An approved source is "approved" when a professional engineer (i.e., Registered Design Professional [RDP]) is properly licensed to transact engineering commerce. The regulatory authority governing approved sources is the state legislature via its professional engineering regulations. Commercial and professional engineering laws affirm that the RDP has the ability to undertake commerce applying engineering principles in their area of expertise without restraint or discrimination. Ohio has set legal precedent

⁷ ANAB accredited approved agencies. An approved agency shall be objective, competent and independent. An approved agency is "approved" when it is ANAB ISO/IEC 17065 accredited. DrJ Engineering, LLC (DrJ) is listed in the ANAB directory. Language is found in Section 1703.1.1.

⁸ In the absence of approved rules or other approved standards, the building official shall make, or cause to be made, the necessary tests and investigations; or the building official shall accept duly authenticated reports from approved agencies in respect to the quality and manner of use of new materials or assemblies. The cost of all tests and other investigations required under the provisions of this code shall be borne by the owner or the owner's authorized agent.

⁹ Competition provides businesses the opportunity to compete on price, quality, innovation, and wages, in an open market and on a level playing field, unhampered by anticompetitive restraints. <https://www.justice.gov/atr/mission>. State statutes by topic can be found here: https://www.law.cornell.edu/wex/unfair_competition. Finally, given that government employees have monopoly approval power they are held to a high standards as it relates to bias in commerce (i.e. discrimination) as found here: <https://www.justice.gov/crt/deprivation-rights-under-color-law>