

**EVALUATION REPORT OF
METL-SPAN CF WALL PANELS**

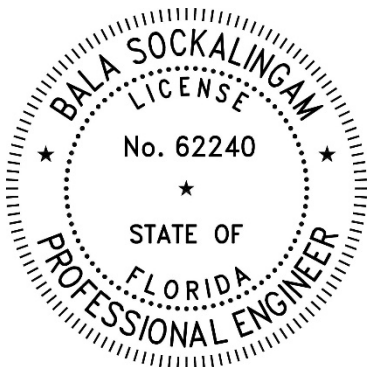
**FLORIDA BUILDING CODE 8TH EDITION (2023)
FLORIDA PRODUCT APPROVAL
FL 16377.1-R6
STRUCTURAL COMPONENTS
STRUCTURAL WALL**

**Prepared For:
Metl-Span
A Nucor Company
700 State Highway 121 Bypass, Suite 200
Lewisville, Texas 75057
Telephone: (972) 221-6656**

**Prepared By:
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**This report consists of
Evaluation Report (4 Pages including cover)
Installation Details (2 Pages)
Load Span Tables (4 Pages)**

**Report No. C2864-2
Date: 1.25.2025**



This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

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Manufacturer:	Metl-Span, a Nucor Company
Product Name:	CF Wall Panel
Panel Description:	CF Panels are factory-assembled, metal faced, sandwich panels with a chemically bonded continuously foamed-in-placed foam plastic core. Coverage width: Max. 42" and min. 24". Panel thickness: 2", 2.5", 3", 4", 5" & 6".
Panel Core:	Polyurethane foam plastic designated as FE-242HD or FE-242FA. Nominal core density is 2.17 pcf with flame spread index of 20 and smoke-developed index of 450 when tested in accordance with ASTM E84-11.
Exterior skin:	33 ksi galvanized coated steel (ASTM A653), galvalume AZ50 or AZ55 coated steel (ASTM A792) or stainless steel (ASTM A240) with embossed, smooth or coated finish as per FBC 2023 Section 1405.2. Min. 26 ga. skin for 'Flute', 'Mesa' and 'Light Mesa' profiles. Min. 24 ga. skin for 'Striated', 'Santa Fe' or 'Tuff' profiles. Min. 22 ga. skin for 'Flat' profiles.
Interior skin:	Min. 26 ga., 33 ksi galvanized coated steel (ASTM A653), galvalume AZ50 or AZ55 coated steel (ASTM A792) or stainless steel (ASTM A240) with 'Mesa' or 'Light Mesa' profiles with embossed or smooth finish as per FBC 2023 Section 1405.2.
Support Description:	Min. 14 ga., 50 ksi steel section (Must be designed by others)
Design Pressure:	Inward and outward transverse loads are shown in the load span table. The allowable loads for strength and deflection limits were developed from test data.
Panel Clip:	U-Clip (4" long, 0.75" wide, 14 ga. galvanized or stainless steel)
Expansion Fasteners:	Elco's Fab-Lok® FAS/FAC 10-4, 10-8 or 10-12 expansion fasteners to fasten the interior skin to support. In lieu of Fab-Lok, SFS Intec Bulb-Tite Rivets (1194719 or 1194721) may be used.
Panel Attachment: Fastener pattern FP1	Clips and all fasteners are corrosion resistant. U-Clip fastened to min. 14 ga. steel supports with ¼"-14 Type 3 self-drilling screws. Two screws per clip at interior supports and one screw per clip at end supports. For 12 ga. or thicker steel, ¼"-20 or ¼"-28 Type 5 self-drilling screws may be used. In lieu of self-drilling screws, self-tapping screws may be used.

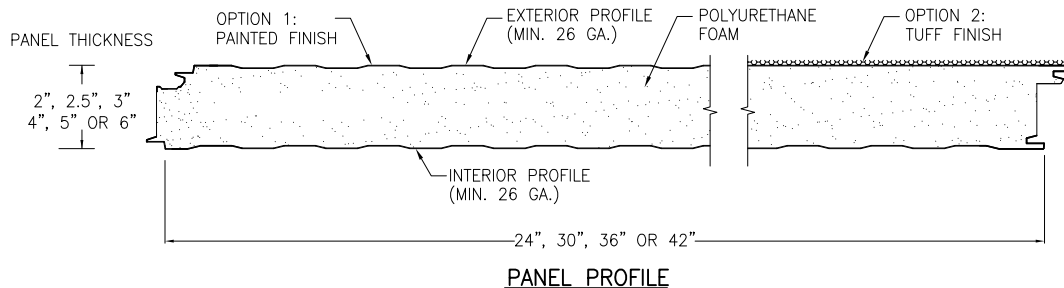
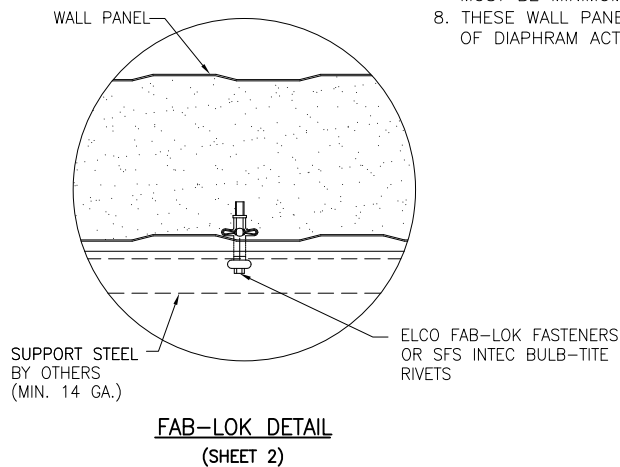
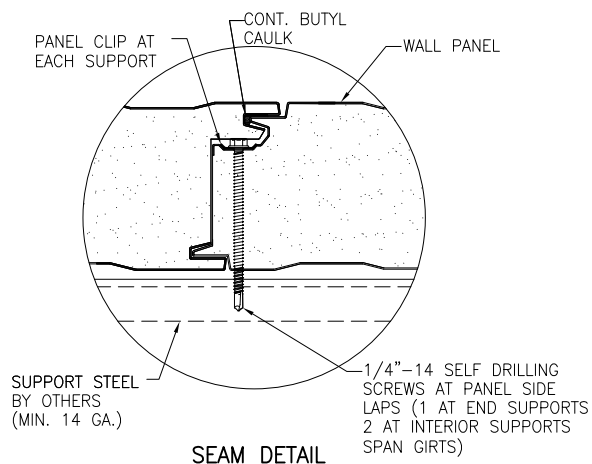
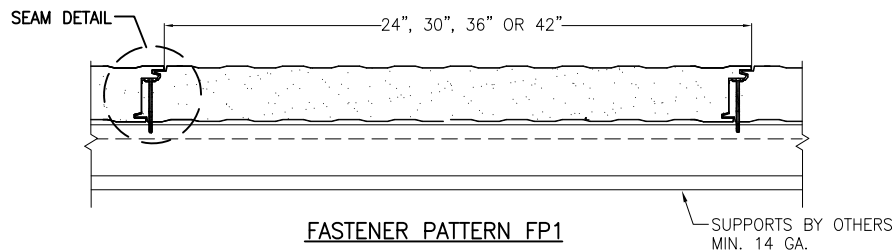
Fastener pattern FP2	In addition to the fastener pattern FP1, the panels can be installed with (1) Fab-Lok fastener or Bulb-Tite rivet spaced at maximum 10.5" from the panel sidelap for 42" wide panels and 12" from panel sidelap for 36", 30" and 24" wide panels.
Fastener pattern FP3	In addition to the fastener pattern FP1, the panels can be installed with (2) Fab-Lok fasteners or Bulb-Tite rivets spaced at maximum 10.5" o.c. from the panel sidelap for 42" wide panels, 12" o.c. from panel sidelap for 36" wide panel and 10" o.c. from panel sidelap for 30" wide panels.
Fastener pattern FP4	In addition to the fastener pattern FP1, the panels can be installed with (3) Fab-Lok fasteners or Bulb-Tite rivets spaced at maximum 10.5" o.c. from the panel sidelap for 42" wide panels.
Fastener pattern FP5	In addition to the fastener pattern FP1, the panels can be installed with (4) Fab-Lok fasteners or Bulb-Tite rivets located at 5.25" from the panel sidelap and spaced at maximum 10.5" o.c. from the panel sidelap for 42" wide panels.
Fastener pattern FP9	Panels fastened to min. 14 ga. steel supports with (4) ¼"-14 Type 3 hex head self-drilling screws with nominal 5/8" diameter neoprene bonded washers spaced at 8.4" o.c. Fastener shall be of sufficient length to penetrate through the support a minimum of 3/4". For 12 ga. or thicker steel, ¼"-20 or ¼"-28 Type 5 self-drilling screws with nominal 5/8" diameter neoprene bonded washers may be used. In lieu of self-drilling screws, self-tapping screws may be used.
Fastener pattern FP10	Panels fastened to min. 14 ga. steel supports with (5) ¼"-14 Type 3 hex head self-drilling screws with nominal 5/8" diameter neoprene bonded washers spaced at 8.4" o.c. Fastener shall be of sufficient length to penetrate through the support a minimum of 3/4". For 12 ga. or thicker steel, ¼"-20 or ¼"-28 Type 5 self-drilling screws with nominal 5/8" diameter neoprene bonded washers may be used. In lieu of self-drilling screws, self-tapping screws may be used.
Test Standards:	Wall assemblies were tested in accordance with ASTM E1592-98, E1592-01 and E1592-05(2012) 'Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure'. The mechanical properties of the wall panels were tested in accordance with ASTM E72-98 or E72-02 "Standard Test Methods of Conducting Strength Tests of Panels for Building Construction" as outlined in Acceptance Criteria for Sandwich Panels AC04. The test procedure in the above test standard complies with the testing requirements of ASTM E330-14 "Standard Test Method for

Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference”.

- Test Equivalency: The test procedures in ASTM E84-11 comply with test procedures prescribed in ASTM E84-18b.
The test procedures in ASTM E1592-98, E1592-01 and E1592-05(2012) comply with test procedures prescribed in ASTM E1592-05(2017).
- Code Compliance: The product described herein has demonstrated compliance with FBC 2023 Section 1404.5 and 2603.3.
- Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2023 Section 1609 or ASCE 7-22 using allowable stress design. The design pressure for reduced support spacing may be computed using rational analysis prepared by a Florida Professional Engineer or Metl-Span load span tables. The maximum support spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone.
- Supporting Documents: ASTM E1592 Test Reports
ENCON Technology Inc.
C1141-2, Reporting Date 11/14/2001
C1290-1, Reporting Date 7/9/2002
C1940-1, Reporting Date 2/6/2014

ASTM E330 (E72/AC04) Test Reports
ENCON Technology Inc.
C1359-1, Reporting Date 12/1/2004
C1547-1, Reporting Date 11/7/2008

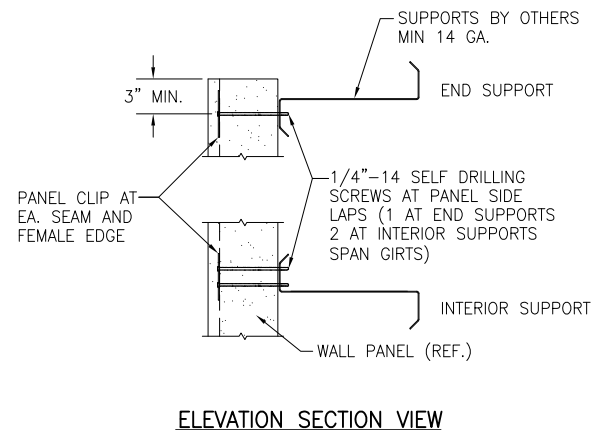
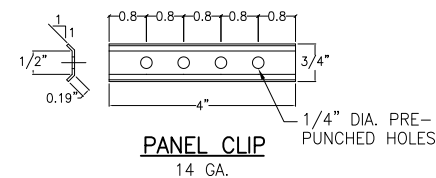
ASTM E84 Test Report
Underwriters Laboratories, Inc., Northbrook, IL
11NK02133, Reporting Date 6/8/2011



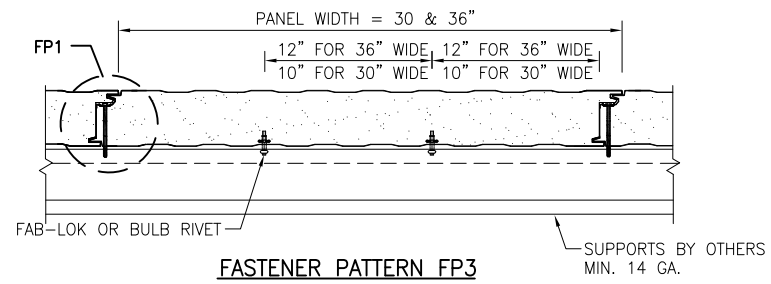
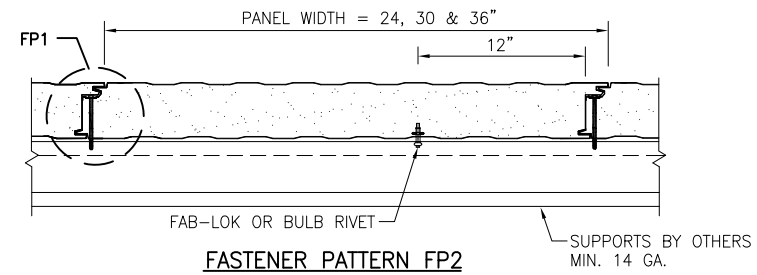
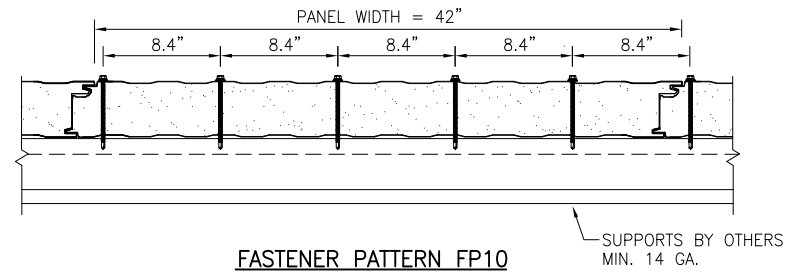
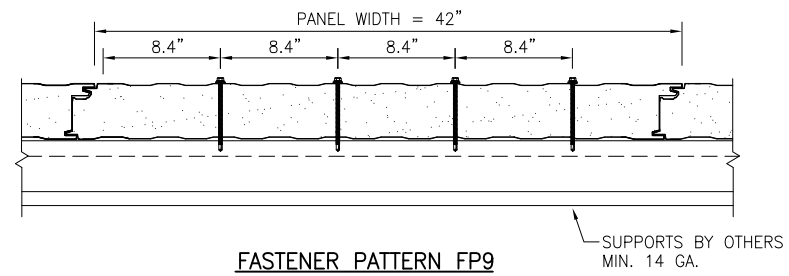
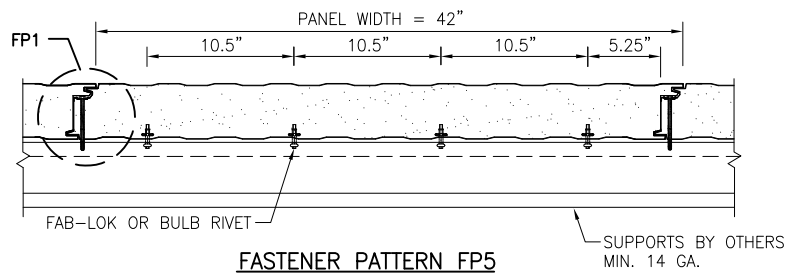
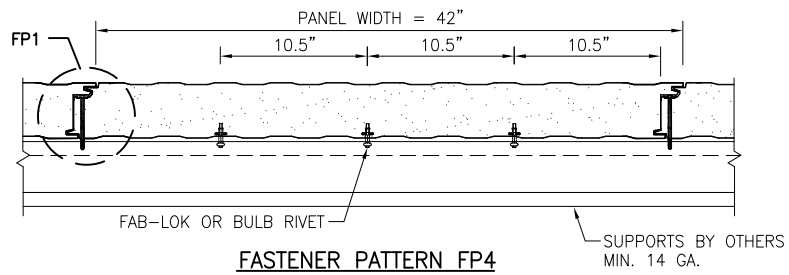
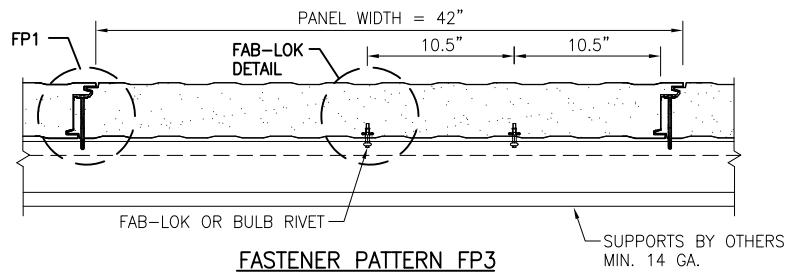
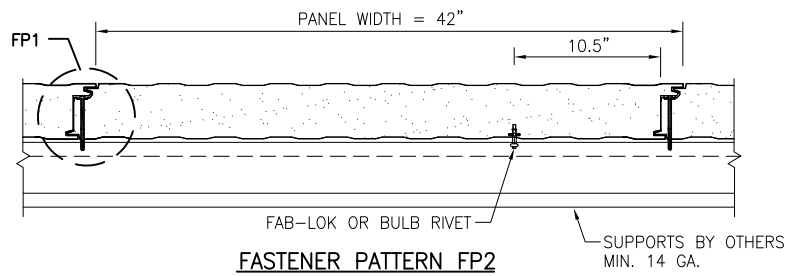
EXTERIOR PROFILE: MESA, LIGHT MESA, FLUTE, FLAT, STRIATED, SANTA FE OR TUFF WALL/CAST
 INTERIOR PROFILE: MESA OR LIGHT MESA

GENERAL NOTES:

1. THIS STRUCTURAL WALL PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC). THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1609 AND ASCE 7-22 MUST BE MULTIPLIED BY 0.6.
2. PANEL WIDTH IS MAX 42" & MIN 24". CONSIST OF MIN. 26 GA. (t = 0.018" MIN.) G-90 CLAD EXTERIOR OR INTERIOR STEEL SKINS (F_y = MIN. 33 KSI) AND ARE SANDWICHED WITH FOAMED-IN-PLACE NON-CFC 2.17 LB/CU. FT. DENSITY POLYURETHANE.
3. PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
4. PANELS MUST BE INSTALLED OVER MIN. 2 SUPPORTS. HORIZONTAL SEAMS MAY BE PRESENT AT CENTERLINE OF SUPPORTS PROVIDING THE SEAMS ARE FLASHED & PROPERLY SEALED PER METL-SPAN SPECIFICATIONS AND EACH PANEL END IS SECURED PER THESE DRAWINGS.
5. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS SPECIFIED ON LOAD SPAN TABLE.
6. ALL SCREWS SHALL BE CORROSION RESISTANT SELF DRILLING SCREWS.
7. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 14 GAGE (MIN. 0.073") STEEL WITH MIN. F_y = 50 KSI.
8. THESE WALL PANELS SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAM ACTION OF WALL TO SUPPORTING STRUCTURE.



DRAWN BY:	B.S.	CHECKED BY:	R.H.
PLOT:		DATE:	3/16/2015
DATE			
BY			
REVISION DESCRIPTION			
NO.			
METL-SPAN A NUCOR COMPANY 700 STATE HIGHWAY 121, BYPASS SUITE 200 LEVISTON, GA 30146 872-221-6658			
CONSULTANTS BALA SOKALINGAM, PH.D., P.E. 1216 N. LANSING AVE. SUITE C TULSA, OK 74104 PHONE: 918-492-5992 FAX: 918-492-1543			
DRAWING TITLE	CF WALL PANEL		
DRAWING NO.	2864-2	REV.	
SHEET NO.	1	OF	2



DRAWN BY: B.S.		CHECKED BY: R.H.	
PLOT:		DATE: 3/16/2015	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: CF WALL PANEL CONSULTANTS: BALA SOCKALINGAM, PH.D., P.E. MANUFACTURER: METL-SPAN A NUCOR COMPANY 1216 N. LANSING AVE. SUITE C TULSA, OK 74106 PHONE: 918-492-5992 FAX: 918-492-5658			
DRAWING NO. 2864-2		REV. 	
SHEET NO. 2		OF 2	

CF-42 Wall Panel												
CF Panel	Design Criteria	Allowable Connection Load (psf) for Two or More Equal Spans										
		Panel Span (ft)										
		5	6	7	8	9	10	11	12	13	14	15
42" wide 2" thick	Connection FP1	31.3	25.6	21.6	18.7	16.5	14.7	13.3	12.1	11.1	10.3	9.6
	Connection FP2	45.8	37.5	31.6	27.3	24.1	21.5	19.4	17.3	14.7	12.6	10.9
	Connection FP3	57.9	47.3	39.9	34.5	29.3	24.4	20.5	17.3	14.7	12.6	10.9
42" wide 2.5" thick	Connection FP1	33.1	27.0	22.8	19.7	17.3	15.4	13.9	12.7	11.7	10.8	10.0
	Connection FP2	47.2	38.5	32.5	28.0	24.7	22.0	19.9	18.1	16.6	15.4	14.3
	Connection FP3	59.7	48.7	41.1	35.5	31.2	27.8	25.1	22.9	20.6	17.7	15.1
42" wide 3" thick	Connection FP1	34.9	28.5	24.0	20.7	18.2	16.2	14.6	13.3	12.2	11.3	10.5
	Connection FP2	48.5	39.6	33.4	28.8	25.3	22.5	20.3	18.5	17.0	15.7	14.6
	Connection FP3	61.5	50.2	42.3	36.5	32.0	28.6	25.8	23.4	21.5	19.9	17.7
	Connection FP4	70.6	57.7	48.6	41.9	36.8	32.8	29.6	27.0	24.7	20.8	17.7
42" wide 4" thick	Connection FP1	42.9	35.1	29.6	25.5	22.4	19.9	17.9	16.3	14.9	13.8	12.8
	Connection FP2	62.9	51.5	43.4	37.4	32.8	29.2	26.3	23.9	21.9	20.2	18.8
	Connection FP3	74.2	60.7	51.2	44.1	38.7	34.4	31.0	28.2	25.8	23.8	22.1
	Connection FP4	79.5	65.0	54.8	47.2	41.4	36.9	33.2	30.2	27.7	25.5	22.1
	Connection FP5	83.2	68.0	57.3	49.4	43.4	38.6	34.7	31.6	29.0	26.3	22.1
	Connection FP9	89.4	73.1	61.6	53.1	46.6	41.5	37.3	34.0	31.1	26.3	22.1
	Connection FP10	92.3	75.6	64.0	55.4	48.7	43.4	39.1	35.5	31.9	26.3	22.1

Notes

- Based on CF-42 panel for the following exterior and interior profiles (min Fy = 33 ksi).
Exterior profiles: Min 26 ga. Mesa, Light Mesa, Flute or min 24 ga. Striated, Santa Fe, Tuff Cast/Wall
Interior Profiles: Min 26 ga. Mesa or Light Mesa
- For connection FP1, CF panel clips are fastened to min. 14 gage steel with (2) 1/4"-14 Type 3 SDS at all supports. For 12 ga. or thicker steel, 1/4"-20 or -28 Type 5 SDS may be used. In lieu of self-drilling screws, self-tapping screws may be used.
- The fastener pattern, FP2, FP3 & FP4, includes CF panel clip attachment plus 1, 2 and 3 Fab-loks fasteners or Bulb-Tite rivets, respectively, per panel width at supports. Fastener spacing is 10.5" o.c. from female edge of panel seam.
- The fastener pattern, FP5, includes CF panel clip attachment plus 4 Fab-lok fastener or Bulb-Tite per panel width at supports. Fasteners are located 5.25" from female edge of panel seam and spaced at 10.5" o.c.
- Through fasteners are 1/4"-14 Type 3 SDS with nominal 5/8" diameter neoprene bonded washers in min 14 ga. steel. For 12 ga. or thicker steel, 1/4"-20 or -28 Type 5 SDS may be used. In lieu of self-drilling screws, self-tapping screws may be used. 4 Fasteners per panel width at max 8.4" o.c. for FP9 and 5 Fasteners per panel width at max 8.4" o.c. for FP10.
- Allowable positive or suction load is the lowest value of panel bending strength, shear strength, deflection limit and connection strength for each fastener pattern.
- Allowable loads based on panel stress and deflection design criteria are derived from ASTM E72 structural testing and calculated with factor of safety of 2.5 for bending stress, 3.0 for shear stresses and deflection limitation of L/180.
- The panel connection strength was determined from ASTM E1592 testing and the allowable loads are calculated with factor of safety of 2.
- The structural capacity of the supports are not considered and must be examined independently.
- Panels must be installed as per Evaluation Report FL 16377.1 and Metl-Span current installation procedure.

CF-42 Wall Panel												
CF Panel	Design Criteria	Allowable Connection Load (psf) for Two or More Equal Spans										
		Panel Span (ft)										
		5	6	7	8	9	10	11	12	13	14	15
42" wide 5" thick	Connection FP1	43.6	35.8	30.2	26.0	22.8	20.3	18.3	16.6	15.2	14.0	13.0
	Connection FP2	64.0	52.4	44.2	38.1	33.5	29.8	26.8	24.3	22.3	20.5	19.0
	Connection FP3	75.4	61.8	52.2	45.0	39.5	35.1	31.6	28.7	26.3	24.2	22.5
	Connection FP4	80.8	66.2	55.9	48.2	42.3	37.6	33.8	30.7	28.1	25.9	24.1
	Connection FP5	84.5	69.3	58.5	50.4	44.2	39.3	35.4	32.1	29.4	27.1	25.2
	Connection FP9	90.9	74.5	62.8	54.2	47.5	42.3	38.0	34.6	31.6	29.2	27.1
	Connection FP10	95.0	77.9	65.7	56.7	49.7	44.2	39.8	36.1	33.1	30.5	28.3
42" wide 6" thick	Connection FP1	44.2	36.3	30.7	26.5	23.3	20.7	18.6	16.9	15.4	14.2	13.2
	Connection FP2	64.8	53.2	45.0	38.8	34.1	30.3	27.3	24.7	22.6	20.9	19.3
	Connection FP3	76.4	62.8	53.1	45.8	40.2	35.8	32.2	29.2	26.7	24.6	22.8
	Connection FP4	81.8	67.2	56.8	49.1	43.1	38.3	34.4	31.3	28.6	26.4	24.4
	Connection FP5	85.6	70.3	59.5	51.3	45.1	40.1	36.0	32.7	29.9	27.6	25.6
	Connection FP9	92.0	75.6	63.9	55.2	48.4	43.1	38.7	35.2	32.2	29.6	27.5
	Connection FP10	96.2	79.1	66.9	57.7	50.7	45.1	40.5	36.8	33.7	31.0	28.7

Notes

- Based on CF-42 panel for the following exterior and interior profiles (min Fy = 33 ksi).
Exterior profiles: Min 26 ga. Mesa, Light Mesa, Flute or min 24 ga. Striated, Santa Fe, Tuff Cast/Wall
Interior Profiles: Min 26 ga. Mesa or Light Mesa
- For connection FP1, CF panel clips are fastened to min. 14 gage steel with (2) 1/4"-14 Type 3 SDS at all supports. For 12 ga. or thicker steel, 1/4"-20 or -28 Type 5 SDS may be used. In lieu of self-drilling screws, self-tapping screws may be used.
- The fastener pattern, FP2, FP3 & FP4, includes CF panel clip attachment plus 1, 2 and 3 Fab-loks fasteners or Bulb-Tite rivets, respectively, per panel width at supports. Fastener spacing is 10.5" o.c. from female edge of panel seam.
- The fastener pattern, FP5, includes CF panel clip attachment plus 4 Fab-lok fastener or Bulb-Tite per panel width at supports. Fasteners are located 5.25" from female edge of panel seam and spaced at 10.5" o.c.
- Through fasteners are 1/4"-14 Type 3 SDS with nominal 5/8" diameter neoprene bonded washers in min 14 ga. steel.
For 12 ga. or thicker steel, 1/4"-20 or -28 Type 5 SDS may be used. In lieu of self-drilling screws, self-tapping screws may be used. 4 Fasteners per panel width at max 8.4" o.c. for FP9 and 5 Fasteners per panel width at max 8.4" o.c. for FP10.
- Allowable positive or suction load is the lowest value of panel bending strength, shear strength, deflection limit and connection strength for each fastener pattern.
- Allowable loads based on panel stress and deflection design criteria are derived from ASTM E72 structural testing and calculated with factor of safety of 2.5 for bending stress, 3.0 for shear stresses and deflection limitation of L/180.
- The panel connection strength was determined from ASTM E1592 testing and the allowable loads are calculated with factor of safety of 2.
- The structural capacity of the supports are not considered and must be examined independently.
- Panels must be installed as per Evaluation Report FL 16377.1 and Metl-Span current installation procedure.

CF-24 & CF-30 Wall Panels

CF Panel	Fastener Pattern	Thickness	Allowable Load (psf) for Two or More Equal Spans								
			Panel Span (ft)								
			4	5	6	7	8	9	10	11	12
24" wide	FP1	2"	85.7	67.3	54.3	43.8	35.6	29.3	24.4	20.5	17.3
		2.5"	90.7	70.8	57.8	48.7	42.1	37.0	32.9	27.9	23.9
		3"	93.1	72.8	59.5	50.1	43.2	38.0	33.8	30.5	27.8
		4"	97.5	76.5	62.5	52.7	45.4	39.9	35.5	31.9	29.0
	FP2	2"	85.7	67.3	54.3	43.8	35.6	29.3	24.4	20.5	17.3
		2.5"	98.6	77.4	63.6	54.0	46.7	39.0	32.9	27.9	23.9
		3"	110.4	86.6	71.1	60.2	52.3	46.2	40.9	35.1	30.0
		4"	117.7	92.3	75.6	64.0	55.4	48.9	43.7	39.6	36.0
30" wide	FP1	2"	71.0	55.4	45.3	38.2	33.0	29.1	24.4	20.5	17.3
		2.5"	73.3	57.2	46.7	39.4	34.0	29.9	26.7	24.1	22.0
		3"	75.4	58.9	48.1	40.6	35.0	30.7	27.4	24.7	22.5
		4"	79.2	62.1	50.8	42.8	36.9	32.4	28.8	25.9	23.6
	FP2	2"	85.7	67.3	54.3	43.8	35.6	29.3	24.4	20.5	17.3
		2.5"	94.2	73.6	60.1	50.7	43.7	38.5	32.9	27.9	23.9
		3"	98.8	77.2	63.1	53.1	45.8	40.3	35.9	32.4	29.5
		4"	107.4	84.2	68.9	58.0	50.0	43.9	39.1	35.2	32.0
	FP3	2"	85.7	67.3	54.3	43.8	35.6	29.3	24.4	20.5	17.3
		2.5"	98.6	77.4	63.6	54.0	46.7	39.0	32.9	27.9	23.9
		3"	108.4	84.7	69.2	58.3	50.3	44.2	39.4	35.1	30.0
		4"	111.3	87.3	71.4	60.2	51.9	45.5	40.5	36.5	33.2

Notes

- Based on CF-30 and CF-24 panel for the following exterior and interior profiles (min $F_y = 33$ ksi).
Exterior profiles: Min 26 ga. Mesa, Light Mesa or Min 24 ga. Striated, Santa Fe, Tuff Cast/Wall or 22 ga. Flat
Interior Profiles: Min 26 ga. Mesa or Light Mesa
- For connection FP1, CF panel clips are fastened to min. 14 gage steel with (2) 1/4"-14 Type 3 SDS at all supports. For 12 ga. or thicker steel, 1/4"-20 or -28 Type 5 SDS may be used. In lieu of self-drilling screws, self-tapping screws may be used.
- The fastener pattern, FP2 & FP3, includes CF panel clip attachment plus 1 and 2 Fab-loks fastener or Bulb-Tite rivet, respectively, per panel width at supports. Fastener spacing is 12" o.c. from female edge of panel seam.
- Allowable positive or suction load is the lowest value of panel bending strength, shear strength, deflection limit and connection strength for each fastener pattern.
- Allowable loads based on panel stress and deflection design criteria are derived from ASTM E72 structural testing and calculated with factor of safety of 2.5 for bending stress, 3.0 for shear stresses and deflection limitation of $L/180$.
- The panel connection strength was determined from ASTM E1592 testing and the allowable loads are calculated with factor of safety of 2.
- The structural capacity of the supports are not considered and must be examined independently.
- Panels must be installed as per Evaluation Report FL 16377.1 and Metl-Span current installation procedure.

CF-36 Wall Panels

CF Panel	Fastener Pattern	Thickness	Allowable Load (psf) for Two or More Equal Spans								
			Panel Span (ft)								
			4	5	6	7	8	9	10	11	12
36" wide	FP1	2"	54.0	42.2	34.4	29.1	25.1	22.1	19.8	17.9	16.3
		2.5"	55.9	43.7	35.7	30.1	25.9	22.8	20.4	18.4	16.7
		3"	57.7	45.1	36.8	31.0	26.8	23.5	20.9	18.9	17.2
		4"	60.9	47.7	39.0	32.9	28.4	24.9	22.1	19.9	18.1
	FP2	2"	65.0	50.7	41.4	35.0	30.2	26.6	23.8	20.5	17.3
		2.5"	70.4	55.0	44.9	37.8	32.7	28.7	25.6	23.1	21.1
		3"	75.7	59.2	48.3	40.7	35.1	30.8	27.5	24.8	22.6
		4"	86.0	67.5	55.2	46.5	40.1	35.2	31.3	28.2	25.6
	FP3	2"	85.7	67.3	54.3	43.8	35.6	29.3	24.4	20.5	17.3
		2.5"	88.8	69.3	56.6	47.7	41.2	36.2	32.3	27.9	23.9
		3"	90.3	70.6	57.7	48.6	41.9	36.8	32.8	29.6	26.9
		4"	92.7	72.7	59.5	50.1	43.2	37.9	33.7	30.4	27.6

Notes

- Based on CF-30 and CF-24 panel for the following exterior and interior profiles (min Fy = 33 ksi).
Exterior profiles: Min 26 ga. Mesa, Light Mesa or Min 24 ga. Striated, Santa Fe, Tuff Cast/Wall or 22 ga. Flat
Interior Profiles: Min 26 ga. Mesa or Light Mesa
- For connection FP1, CF panel clips are fastened to min. 14 gage steel with (2) 1/4"-14 Type 3 SDS at all supports. For 12 ga. or thicker steel, 1/4"-20 or -28 Type 5 SDS may be used. In lieu of self-drilling screws, self-tapping screws may be used.
- The fastener pattern, FP2 & FP3, includes CF panel clip attachment plus 1 and 2 Fab-loks fastener or Bulb-Tite rivet, respectively, per panel width at supports. Fastener spacing is 12" o.c. from female edge of panel seam.
- Allowable positive or suction load is the lowest value of panel bending strength, shear strength, deflection limit and connection strength for each fastener pattern.
- Allowable loads based on panel stress and deflection design criteria are derived from ASTM E72 structural testing and calculated with factor of safety of 2.5 for bending stress, 3.0 for shear stresses and deflection limitation of L/180.
- The panel connection strength was determined from ASTM E1592 testing and the allowable loads are calculated with factor of safety of 2.
- The structural capacity of the supports are not considered and must be examined independently.
- Panels must be installed as per Evaluation Report FL 16377.1 and Metl-Span current installation procedure.