

**EVALUATION REPORT OF
GREEN SPAN'S IWP SERIES WALL PANELS**

**FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 41635.1
STRUCTURAL COMPONENTS
STRUCTURAL WALL**

**Prepared For:
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**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)**

**Report No. C2570-1
Date: 8.9.2022**



Manufacturer: Green Span Profiles

Product Name: IWP Series Wall Panels

Panel Description: IWP Series Panels are factory-assembled, metal faced, sandwich panels with a chemically bonded continuously foamed-in-placed foam plastic core. Coverage width: Max. 42". Panel thickness: 2.5", 3", 4", 5" & 6".

Panel Core: Continuously polyisocyanurate (ISO) core designated as Rubitherm WR 40618 and Rubinate 1850 foam system with Pentane blowing agent. Nominal core density is 2.36 pcf with flame spread index of 25 or less and smoke-developed index of 450 or less 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) with ‘Mesaline’, ‘Shadowline’, ‘Waveline’ or ‘Impression’ profiles with embossed, smooth or coated finish as per FBC 2020 Section 1405.2.

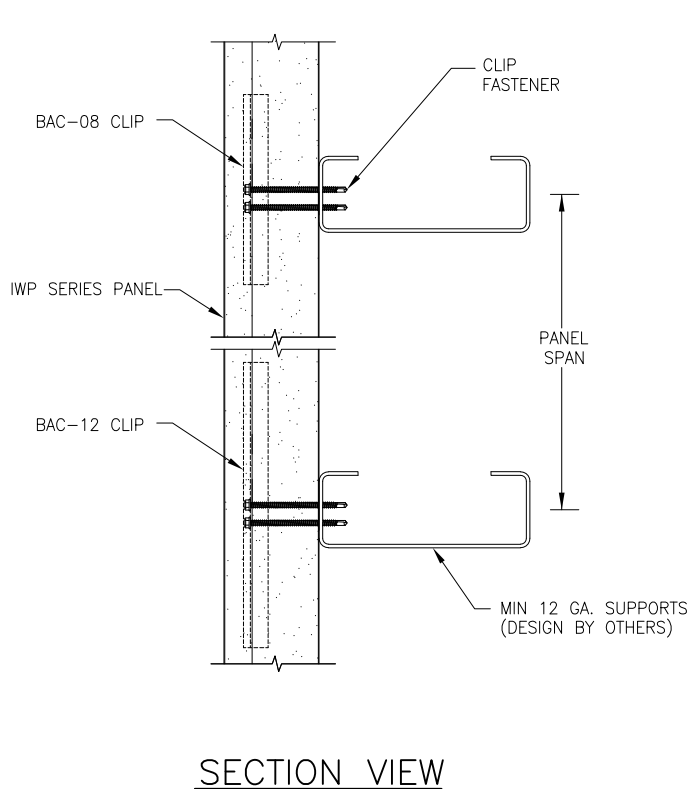
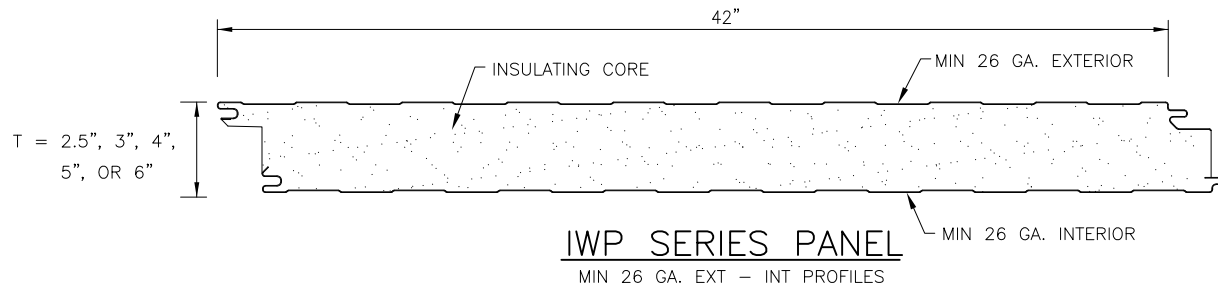
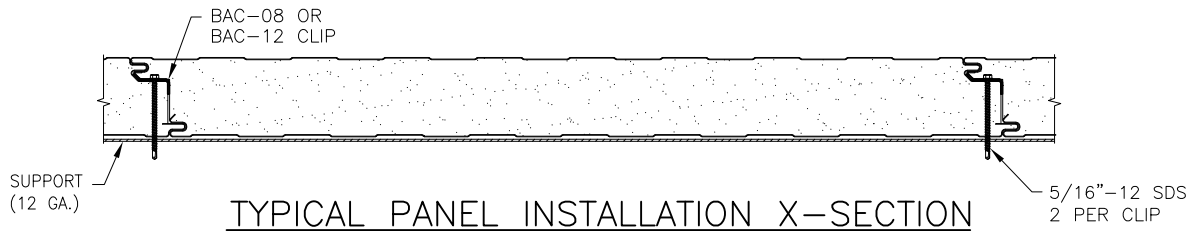
Interior skin: Min. 26 ga., 33 ksi galvanized coated steel (ASTM A653), galvalume AZ50 or AZ55 coated steel (ASTM A792) with ‘Mesaline’ profiles with embossed or smooth finish as per FBC 2020 Section 1405.2.

Support Description: Min. 12 ga., 50 ksi steel section (Must be designed by others)

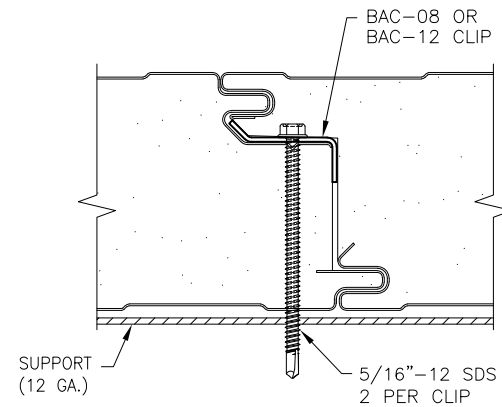
Design Pressure: Allowable outward loads for BAC-08 and BAC-12 clips are shown below. The allowable loads were developed from test data with safety factor of 2.

Panel Thickness	Span (ft)	Clip Type	Allowable Outward Load (psf)
2.5"	12	BAC-08	22.8
		BAC-12	23.4
	6	BAC-08	47.7
		BAC-12	50.9
4"	12	BAC-08	25.9
		BAC-12	26.8
	6	BAC-08	48.0
		BAC-12	51.3
6"	12	BAC-08	23.2
		BAC-12	27.8
	6	BAC-08	43.5
		BAC-12	51.1

- Panel Clips: BAC-08 Clip (8" long, 1.75" wide, 1.03" deep, 14 ga. galvanized steel) or BAC-12 clip (12" long, 1.8" wide, 1.03" deep, 12 ga. galvanized steel)
- Panel Attachment: BAC-08 or BAC-12 clip fastened to min. 12 ga. steel supports with 5/16"-12 DP3 self-drilling screws. In lieu of self-drilling screws, self-tapping screws may be used. Clips and all fasteners are corrosion resistant.
- Test Standards: Wall assembly tested in accordance with ASTM E1592-05(2012) 'Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference'.
- Test Equivalency: The test procedures in ASTM E84-11 comply with test procedures prescribed in ASTM E84-16.
- Code Compliance: The product described herein has demonstrated compliance with FBC 2020 Section 1404.5 and 2603.3.
- Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The design pressure for other support spacing and panel thickness may be computed using rational analysis prepared by a Florida Professional Engineer. This evaluation report is not applicable in High Velocity Hurricane Zone.
- Supporting Documents: ASTM E1592 Test Reports
ENCON Technology Inc.
C2301-1, Reporting Date 12/17/2019
- ASTM E84 Test Report
Intertek Testing Services NA Ltd.
100595219SAT-006D, E, F, Reporting Date 1/18/2012



SECTION VIEW



PANEL SIDELAP

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 7-16 MUST BE MULTIPLIED BY 0.6.
2. PANELS ARE MAX 42" WIDE, CONSIST OF MIN. 26 GA. (t = 0.017" MIN.) EXTERIOR OR INTERIOR STEEL SKINS (F_y = MIN. 33 KSI) AND ARE SANDWICHED WITH FOAMED-IN-PLACE NON-CFC 2.36 LB/CU. FT. DENSITY POLYISOCYANURATE.
3. PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THIS DRAWING.
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 GREEN SPAN SPECIFICATIONS AND EACH PANEL END IS SECURED PER THIS DRAWING.
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.
6. ALL SCREWS SHALL BE CORROSION RESISTANT SCREWS.
7. THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 12 GAGE (MIN. 0.102") STEEL WITH MIN. F_y = 50 KSI.
8. THESE WALL PANELS SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAGM ACTION OF WALL TO SUPPORTING STRUCTURE.

DRAWN BY: B.S.	CHECKED BY: C.T.
PLOT:	DATE: 8/8/22
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
IWP SERIES WALL PANELS

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