Force Engineering & Testing Inc.
19530 Ramblewood Drive
Humble,TX 77338

Product Evaluation Report
GREEN SPAN PROFILES®

Green Span's IWP Series

Florida Product Approval # 16327.1 R2

Florida Building Code 2017
Per Rule 61G20-3
Method: 2 –B

Category: Structural Components
Subcategory: Structural Wall
Compliance Method: 61G20-3.005(2)(b)
NON HVHZ

Product Manufacturer:
Green Span Profiles®
21200 FM 362
Waller, Texas 77484

Engineer Evaluator:
Terrence E. Wolfe, P.E. # 44923
Florida Evaluation ANE ID: 1920

Validator:
Gary Hartman, P.E. #73227

Contents:

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Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2017, Sections 1403.3, 1709.2, 2603.3.

Product Description: Insulated wall panel system with an interior and exterior steel facing bonded to an insulating polyisocyanurate foam core. A concealed clip in the interlocking side joint attaches the wall panels to supports. Structural Application.

Panel:

Series:	Green Span's IWP
Profiles:	MesaLine
	ShadowLine
	WaveLine
	VeeLine
	Impression
	Stucco
	Infinity
Panel Thickness:	2", 2 ½", 3", 4", 5", 6"
Panel Coverage:	42" maximum
Side Joint:	Green-Lock interlocking tongue and groove side joint

Panel Interior Face:

Material:	Steel, ASTM A792 coated or ASTM A653 G90 Galvanized
Yield Strength:	Min. 50.0 ksi
Thickness:	26 Ga., 24 Ga., 22 Ga.
Texture:	Embossed or Smooth

Panel material shall comply with Florida Building Code 2017 Section 1405.2.

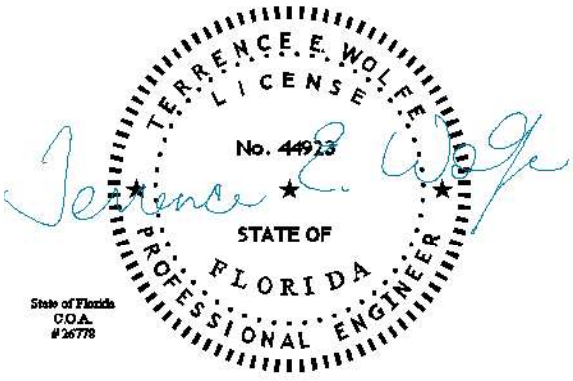
Panel Core: Polyisocyanurate insulating foam with a 2.5 pcf density (nominal).

Panel Concealed Clip:

Material:	Galvanized Steel
Thickness:	0.070", 14 Ga.
Dimensions:	1 7/16" wide x 4" long with (5) pre punched holes

Corrosion Resistance: Per Florida Building Code 2017.

Panel Fastener: (3) ¼ - 14 HWH Self Driller or approved equal per clip.
The fasteners shall be long enough to ensure a minimum penetration of 3 pitches of thread through steel girt.
Corrosion Resistance: Per Florida Building Code 2017.



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Substrate Description: Min. 16 Ga. Steel Framing. Substrate must be designed in accordance w/ Florida Building Code 2017.

Allowable Design Pressures:

Table "A"

Maximum Design Pressures:	-44.2 psf / +101.4 psf	-31.2 psf / +59.8 psf
Panel Clip Spacing:	5'-0" O.C.	7'-6" O.C.

*Design Pressure includes a Safety Factor = 2.0.

Code Compliance: The product described herein has demonstrated compliance with The Florida Building Code 2017, Section 1403.3, 1709.2, 2603.3.

Evaluation Report Scope: The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2017, as relates to Rule 61G20-3.

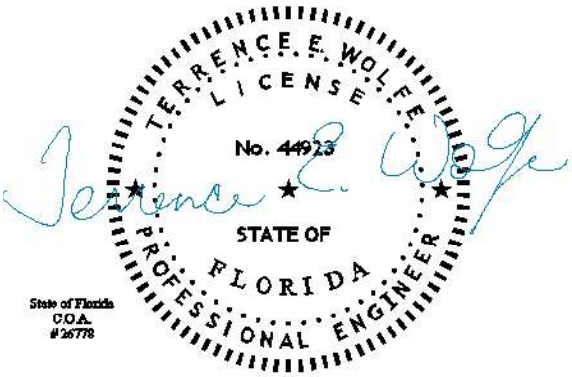
Performance Standards: The product described herein has demonstrated compliance with:

- ASTM E 1592-05 (2012) Standard Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference.
- ASTM E84-2013A Standard Test Method for Surface Burning Characteristics of Building Materials

Reference Data:

1. ASTM E 1592-01
   Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
   Report No. 438-0046T-12
2. ASTM E 84-11a
   FM Approvals
   Project ID: 3044381
3. Certificate of Independence
   By Terrence E. Wolfe, P.E. (No. 44923) @ Force Engineering & Testing, Inc.
   (FBC Organization # ANE ID: 1920)

Test Standard Equivalency: The ASTM E84-11a test standard is equivalent to ASTM E84-2013A.
The ASTM E 1592-01 test standard is equivalent to ASTM E 1592-05 (2012).



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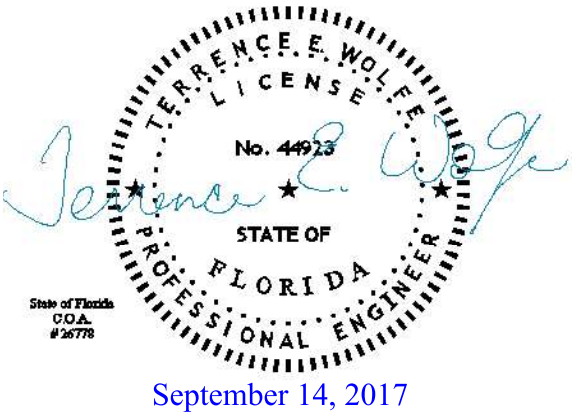
Quality Assurance Entity: The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.

Installation: Install per manufacturer's recommended details.

Shear Diaphragm: Shear diaphragm values are outside the scope of this report.

Design Procedure: Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2017 for wall cladding wind loads. These component wind loads for wall cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with Florida Building Code 2017 Chapter 22 for steel, and Chapter 16 for structural loading.



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