Force Engineering & Testing
19530 Ramblewood Drive
Humble, Texas 77338
Phone: (281) 540-6603 FAX: (281) 540-9966
Website: www.forceengineeringtesting.com

Product Evaluation Report

CAROLINA CARPORTS, INC.

26 Ga. AG Wall Panel over Open Framing

Florida Product Approval # 6702.1 R6

Florida Building Code 2020
Per Rule 61G20-3
Method: 2 –B

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

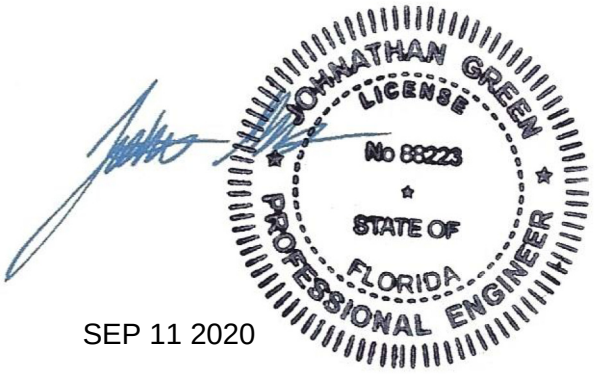
Product Manufacturer:
Carolina Carports, Inc.
187 Cardinal Ridge Trail
Dobson, NC 27017

Engineer Evaluator:
Johnathan Green, P.E. #88223
Florida Evaluation ANE ID: 12901

Validator:
Brian Jaks P.E. #70159

Contents:

Evaluation Report Pages 1 – 4



SEP 11 2020

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Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2020, Section 1709.2.

Product Description: AG Wall Panel, 26 Ga. Steel, 36" Wide, through fastened structural wall panel. Structural Application.

Panel Material/Standards: Material: 26 Ga. Steel, panel material shall comply with Florida Building Code 2020 Section 1405.2.
Yield Strength: Min. 80.0 ksi

Panel Dimension(s):
Thickness: 0.0185" min. order thickness
Width: 36" maximum coverage
Rib Height: ¾" major rib at 9" O.C.
Panel Rollformer: MRS Metal Rollforming Systems

Panel Fastener: #12-14 x ¾" HWH SD#3 with 5/8" (16mm) diameter sealing washing or approved equal.
Corrosion Resistance: Per Florida Building Code 2020.

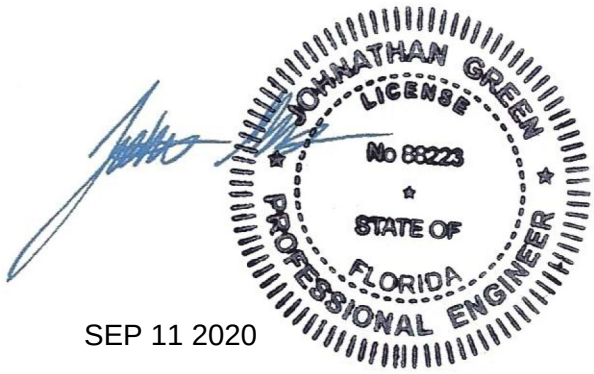
Substrate Description: Minimum 14 Ga. (Grade 50) Steel tube framing or Minimum 18 Ga. (Grade 50) Steel hat channel purlins/girts. See Table A for steel gauge. Framing must be designed in accordance w/ Florida Building Code 2020.

Allowable Design Pressures:

Table "A"

Maximum Design Pressure:	-59.9 psf	-62.5 psf	-83.3 psf	+46.9 psf	+57.3 psf
Panel Fastener Pattern:	2-1-2-1	2-1-2-1	2-1-2-1	2-1-2-1	2-1-2-1
Panel Span:	5'-0" O.C.	4'-0" O.C.	4'-0" O.C.	5'-0" O.C.	4'-0" O.C.
Substrate:	Min. 14 Ga. Steel Framing	Min. 18 Ga. Steel Framing	Min. 14 Ga. Steel Framing	Min. 18 Ga. Steel Framing	Min. 18 Ga. Steel Framing

*Design Pressure includes a Safety Factor = 2.0.



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Code Compliance: The product described herein has demonstrated compliance with The Florida Building Code 2020, Section 1709.2.

Evaluation Report Scope: The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2020, as relates to Rule 61G20-3.

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

- ASTM E 1592-05(2012) Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference

Reference Data:

1. ASTM E 1592-05 Test
   Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
   Report No. 183-0063T-16A-E
2. Certificate of Independence
   By Johnathan Green, P.E. (No. 88223) @ Force Engineering & Testing
   (FBC Organization # ANE ID: 12901)

Test Standard Equivalency: The ASTM E 1592-05 test standard is equivalent to the ASTM E 1592-05 (2012) test standard.

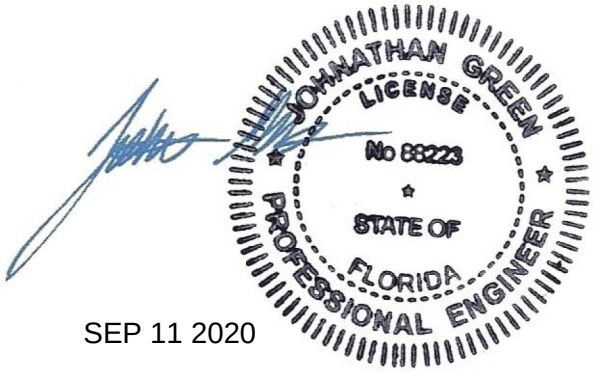
Quality Assurance Entity: The manufacturer has established compliance of wall panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.

Installation: Install per manufacturer's recommended details.

Insulation: Manufacturer's approved product (Optional)

Panel Fire Classification: Fire classification is not part of this acceptance.

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



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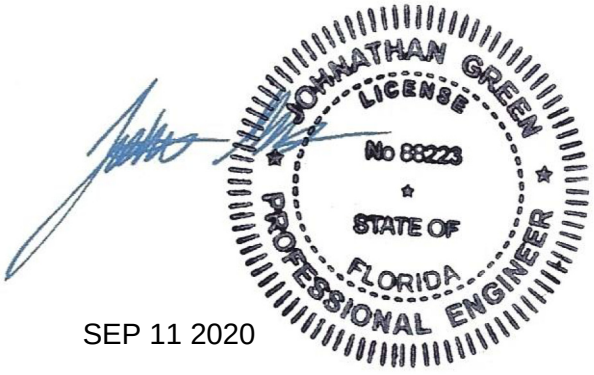
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Design Procedure:

Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2020 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 2020 Chapter 22 for steel, and Chapter 16 for structural loading.



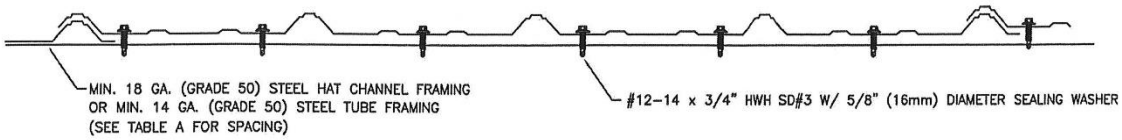
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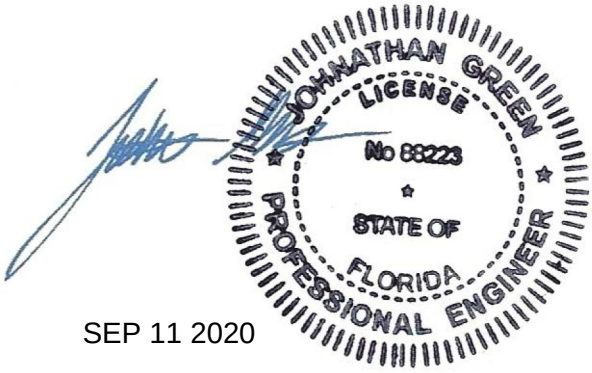
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PANEL FASTENER 2-1-2-1 PATTERN





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