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.

Dutch Lap Wall Panel over Open Framing

Florida Product Approval # 6702.3 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

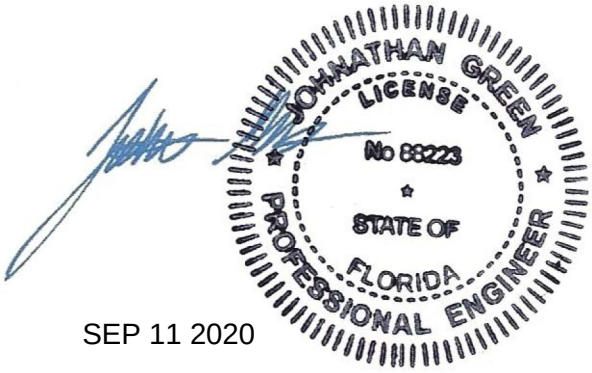
Product Manufacturer:
Carolina Carports, Inc.
187 Cardinal Ridge Trail
Dobson, NC 27017

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

Validator:
Brian Jaks P.E. #70159

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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: Dutch Lap Wall Panel, 29 Ga. or 26 Ga. Steel, 36" Coverage, through fastened structural wall panel. Structural Application.

Panel Material/Standards: Material: 29 Ga. or 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:	29 Ga. 0.0140" min.
	26 Ga. 0.0185" min.
Width:	36" maximum coverage
Height:	0.648" tall

Panel Fastener: #12-14 x ¾" HWH SD with sealing washing or approved equal.
Corrosion Resistance: Per Florida Building Code 2020.

Substrate Description: Min. 14 Ga. Steel Framing. Framing must be designed in accordance w/ Florida Building Code 2020.

Allowable Wall Design Pressures:

29 Ga. Dutch Lap Design Pressures

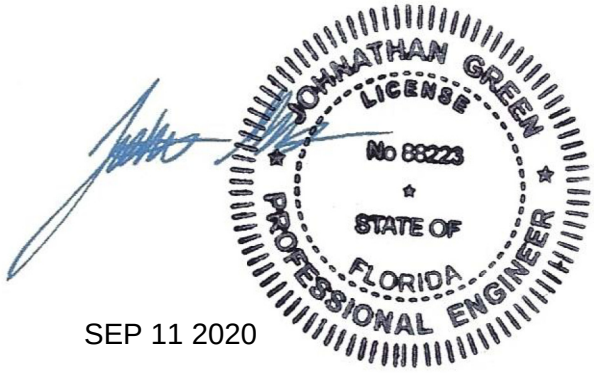
Maximum Wall Design Pressure:	-35.5 psf	+35.1 psf
Panel Fastener Pattern:	6"-6"-6"-6"-6"-6"	6"-6"-6"-6"-6"-6"
Panel Fastener (Post) Spacing:	4'-0" O.C.	4'-0" O.C.

*Design Pressure includes a Safety Factor = 1.5.

26 Ga. Dutch Lap Design Pressures

Maximum Wall Design Pressure:	-26.0 psf	+24.4 psf	-37.0 psf	+36.8 psf
Panel Fastener Pattern:	6"-6"-6"-6"-6"-6"	6"-6"-6"-6"-6"-6"	6"-6"-6"-6"-6"-6"	6"-6"-6"-6"-6"-6"
Panel Fastener (Post) Spacing:	5'-0" O.C.	5'-0" O.C.	4'-0" O.C.	4'-0" O.C.

*Design Pressure includes a Safety Factor = 1.5.



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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 330-02 Test method for structural performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure difference.

Reference Data:

1. ASTM E 330-02 Test
   American Test Lab, Inc (FBC Organization # TST-1555)
   Report No. ATLNC 0315.01-17
2. Certificate of Independence
   By Johnathan Green, P.E. (No. 88223) @ Force Engineering & Testing
   (FBC Organization # ANE ID: 12901)

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:

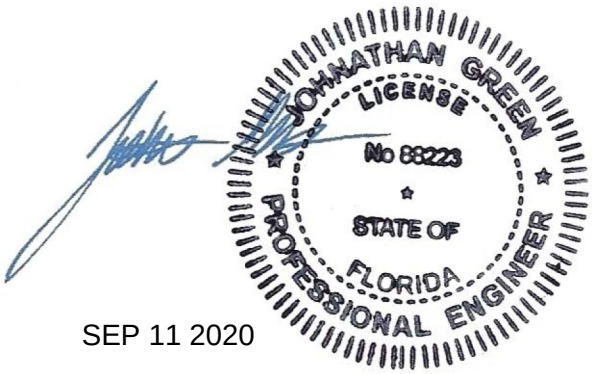
Manufacturer's approved product (Optional)

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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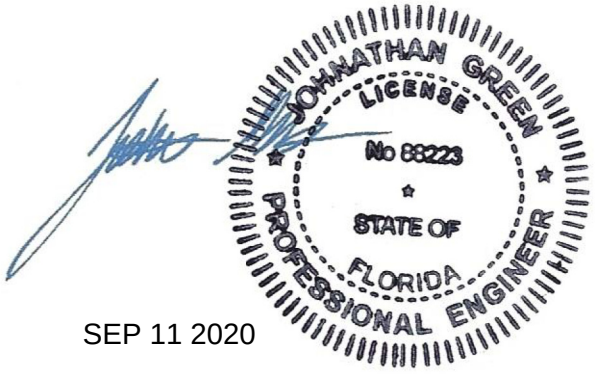
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Design Procedure:

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.



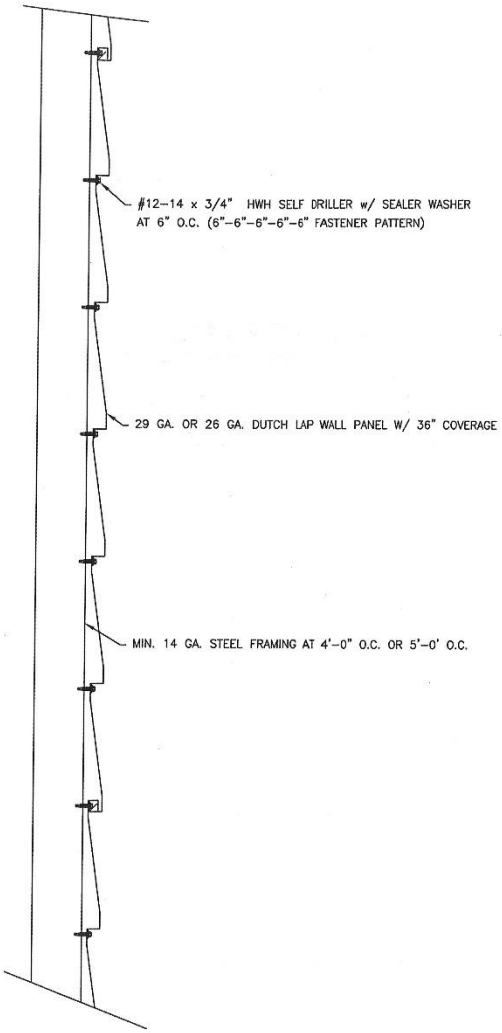
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DUTCH LAP WALL PANEL



JOHNATHAN GREEN LICENSE No 88223 STATE OF FLORIDA PROFESSIONAL ENGINEER

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FL# 6702.3 R6