



ATLNC 0311.02-19

Report Date: 04/02/2019

Test Date: 03/11/19

Dade Certification # 18-0213.12
FBC Organizational # TST 1555
IAS Certification # TL-423

Test Requested By: Carolina Carports Inc.
187 Cardinal Ridge Trail
Dobson, NC 27017
Phone 800 670 4262

Test Standards: ASTM E330-02, ANSI / DASMA 108-2012

Test Conditions: 70-75 degrees F

Design Pressures: +40 psf, -45 psf

Description of product tested: 26 ga 12' x 8' Steel Roll Up Door as shown in Carolina Carport Inc, Roll-Up Sheet Door 12' Maximum Width drawing dated 4/01/19 sheet 1 of 1. Drawing is an integral part of the report and must accompany report.

Description of Unit:

Component	Number	Description	Location
Curtain	1	Curtain consisted of 26 ga steel galvanized corrugated sheets 12' wide x 19-1/4" high crimped together	
Track	2	Rolled form 12 ga steel 3-3/4" x 2-1/4" as shown in drawing.	Each side of door attached to wood substrate with 5/16" x 3" washer head lag screws at 3-1/2" then 12" OC

Track insert	2	12 ga 1.38" wide then 110-degree angle .837" high clinched to the track at 3-1/2" OC (+ or - 1/2") as shown in drawing.	In track as shown in drawing.
Windlock Clip		10 ga x 1" wide x 2.15" long with a 70-degree turn down .68" long as shown in drawing. Attached to the curtain and backer plate with (2) 3/16" x .440" pop rivets.	Side of door at 1 st then every corrugation channel as shown in drawing.
Backer Plate	1 each windload clip	1" x 1.25" galvanized 12 ga steel plate	Attached to the curtain and windload clip with (2) 3/16" x .440" pop rivets
Roller Assembly	1	1.32" x 12 ga rod with tension springs attached to the roller assembly support brackets with 1/2" x 2" U-Bolts with washers and nuts.	Top of the tracks.
Roller Assembly Support Bracket	2	L bracket as shown in drawing.	Top of tracks as shown in drawing
Slide lock assembly	2	12 ga x 1" wide galvanized slide with assembly as shown in drawing.	Bottom corners of door
Bottom Seal	1	Aluminum frame with bottom bulb seal as shown in drawing	Bottom of door
Bottom Reinforcement	1	1 angle (.101" thick x 1-1/2" x 2") starting 11" from each end forming a U attached to the aluminum bulb frame attached together with (5) 1/4" x 1" bolts with nuts located 2" from end of angle then 30" OC + or - 1"	Bottom of Door

STATIC AIR PRESSURE
ASTM E 330-02, DASMA 108-12

Specimen A
Design Loads +40 psf -45 psf

Range of
tests

Positive loads	Time Seconds	Load psf	Max.	Perm.	Recovery
½ Test	10	30	9-5/8"	1/16"	99%
Design	10	40	11"	1/8"	99%
Test Load	10	60	13-5/16"	7/16"	97%

Range of
tests

Negative loads	Time Seconds	Load psf	Max.	Perm.	Recovery
½ Test	10	33.8	10-1/4"	1/16"	99%
Design	10	45	11-1/8"	1/16"	99%
Test Load	10	67.5	12-3/4"	1/16"	99%

Forced Entry Test

Forced entry test was conducted in accordance with FBC TAS 202 with no deviations.
Specimen passed.

Note: 2 mil polyethylene film was used for the Static Air Pressure. It is the opinion of the undersigned that it had no influence on the results of the test.

Technicians: Keith Owen

Observers-

Keith Owen / ATL
Samuel Poplin, Keith D. Owen, Jr. / ATL
Ashley Poplin / ATL
David W. Johnson, P.E.

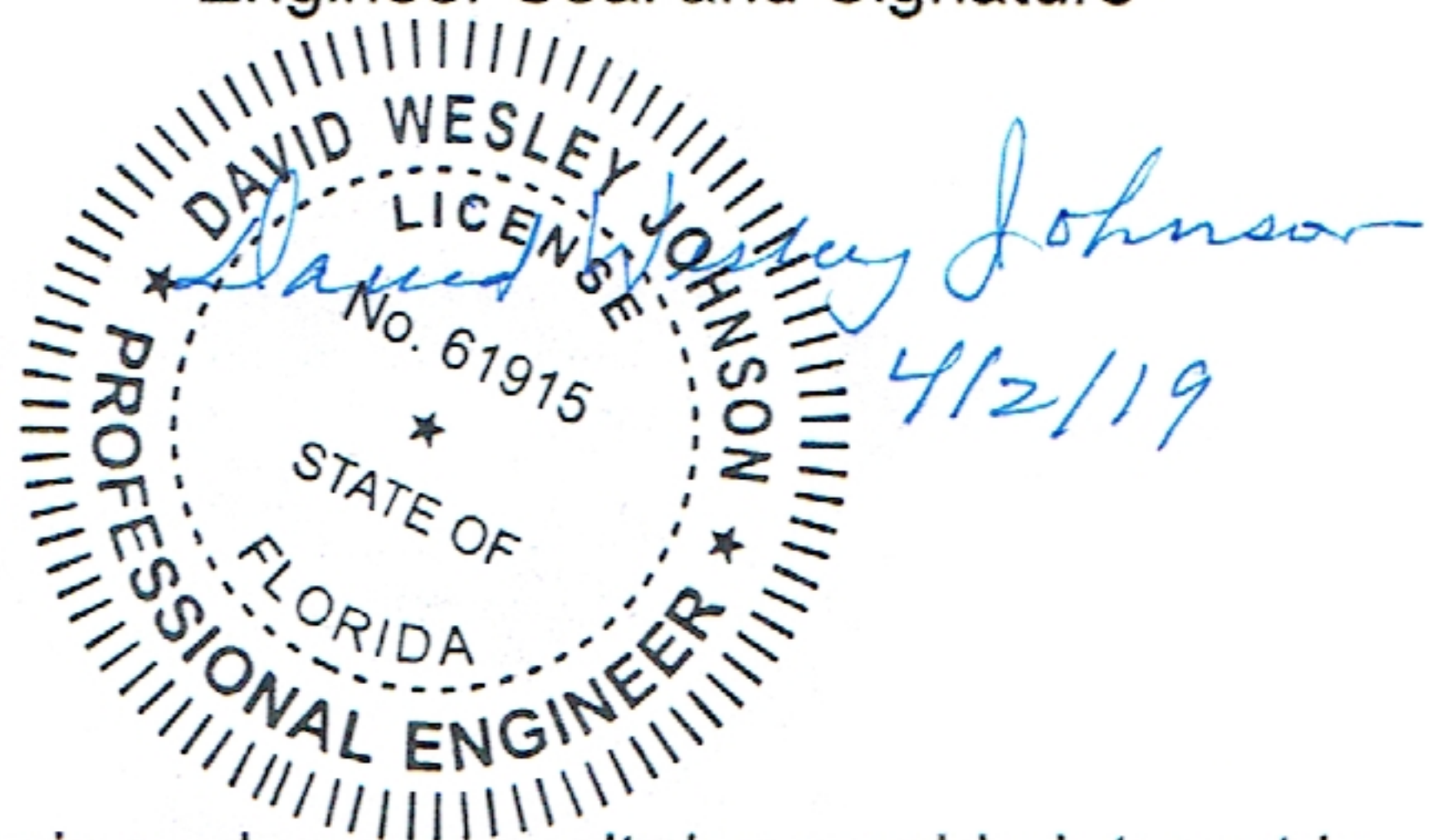
Keith Owen, Lab Director
American Test Lab, Inc.

Keith Owen
4/2/19

All Tests Witnessed and Certified by:

David Johnson P. E.
1122 Calvert Rd.
Brevard, NC 28712
Florida P.E. # 61915

Engineer Seal and Signature



Certificate of Independence: The witnessing engineer has no equity/ownership interest in American Test Lab of North Carolina, Carolina Carports or their parts vendors. Witnessing engineer is in complete compliance of Florida Statue 9B-72, Section 72.110.

Disclaimer

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