



American Test Lab, Inc
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ATLNC 0131.01-22

Report Date: 04/14/22

Test Date: 01/31/22

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: TAS 202
ASTM E330-02, ANSI / DASMA 108-2017

Test Conditions: 70-75 degrees F

Design Pressures: +35 psf, -38 psf

Description of product tested: 26 ga 16' x 8' Steel Roll Up Door as shown in Carolina Carport Inc, drawing for project G22001 dated 4/12/22 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 sheet 16' 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 6" 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	2	2 angles .102" thick x 1-1/2" forming a U (as shown in drawing) attached to the aluminum bulb frame with (8) 1/4" x 3/4" bolts with nuts located 8-1/2" from end then 20" OC	Bottom of Door

STATIC AIR PRESSURE
TAS 202, ASTM E 330-02, DASMA 108-17

Specimen A
Design Loads +35 psf -38 psf

Range of
tests

Positive loads	Time Seconds	Load psf	Max.	Perm.	Recovery
½ Test	30	26.3	13-13/16"	0"	100%
Design	30	35	16-1/16"	0"	100%
Test Load	30	52.5	18-1/8"	1/8"	99%

Range of
tests

Negative loads	Time Seconds	Load psf	Max.	Perm.	Recovery
½ Test	30	28.5	13-1/4"	1/8"	99%
Design	30	38	14-7/8"	1/8"	99%
Test Load	30	57	15-5/8"	3/8"	98%

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

Technicians: Keith Owen
Keith Owen Jr
Samuel Poplin

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
4/14/22

All Tests Witnessed and Certified by:
David Johnson P. E.
1122 Calvert Rd.
Brevard, NC 28712
Florida P.E. # 61915

Engineer Seal and Signature

David Wesley Johnson
4/14/22
PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 61915
DAVID WESLEY JOHNSON
P.E.

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 Statute 9B-72, Section 72.110.

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