

STRUCTURAL SOLUTIONS, P.A. *

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR STATIC PRESSURE EVALUATION REPORT

Garage Door No.:	IRC-9518-165-26-G		Test Date:	8/2-8/4/2010	Project No.:	10-085
Design Pressures:	+42.0 psf, -46.0 psf		Report Date:	10/26/2020		
Test Pressures:	+63.0 psf, -69.0 psf		Test Location:	American Test Lab, Inc., Brevard, NC		
ASCE 7-16 Criteria:	Up to 5 Feet of Door Width in Zone 5; Any Roof Slope; Enclosed Building					
	Exp. B, 30' MRH	Exp. C, 15' MRH	Exp. C, 25' MRH	Exp. D, 15' MRH	Exp. D, 25' MRH	
	212 mph	193 mph	183 mph	175 mph	168 mph	

Reference Test Report and Drawing:

American Test Lab, Inc. report number ATLNC-0802.01-10R dated 11/3/2010

American Test Lab, Inc. Addendum dated 12/9/2010

Amarr Garage Doors drawing IRC-9518-165-26-G dated 8/9/2010

Description of Test Specimen:

Amarr Garage Door 18' x 7' 24 ga steel garage door Model #950 Heritage 1000 as shown in drawing IRC-9518-165-26-G.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

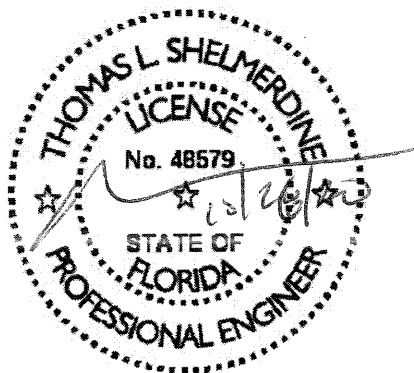
- The test was conducted in accordance with FBC TAS 201, 202, 203, ASTM E-330, ASTM E1996, and ASTM E8.
- The door was operable before and after test
- The test was witnessed and certified by David Johnson, P.E. of Brevard, NC (FL PE #00061915)

Summary:

The 18' x 7' Model #950 Heritage 1000 door as described on Drawing IRC-9518-165-26-G meets the testing criteria as described above. By comparison to the construction of the 18' x 7' Model #950 Heritage 1000, the following doors also meet the above testing criteria, when constructed in accordance with Drawing IRC-9518-165-26-G:

- Model 950 Heritage 2000 doors (which have drop in insulation)
- Model 655 Oak Summit 1000 doors (24 ga. doors which have the "Oak Summit" embossment pattern)
- Model 655 Oak Summit 2000 doors (24 ga. doors which have the "Oak Summit" embossment pattern and have drop in insulation)
- Model 950 Heritage 1000 & 2000, and Model 655 Oak Summit 1000 & 2000 doors with widths of up to 18' and heights of up to 14'.

Submitted by:



STRUCTURAL SOLUTIONS, P.A.

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