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GARAGE DOOR STATIC PRESSURE EVALUATION REPORT

Garage Door No.:	IRC-9518-165-26-I	Test Date:	6/4-6/6/2007	Project No.:	07-055
Design Pressures:	+42.0 psf, -46.0 psf	Report Date:	11/12/2020		
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-0604.02-07 dated 06/30/07

American Test Lab, Inc. Addendum dated 5/19/2008

Architectural Testing, Inc. report number A7420.01-106-18 dated 4/12/2011

Amarr Garage Doors drawing number IRC-9518-165-26-I dated 5/16/07

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-I.

Test Standards and Report Conclusion:

The above referenced American Test Lab reports state the following:

- The test was conducted in accordance with FBC TAS 201, 202, 203, ASTM F588, E330, and ANSI / DASMA 108
- The weight of the missile used for the Large Missile Impact Test was 9 lbs.
- 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)

The above referenced Architectural Testing report states the following:

- The test was conducted in accordance with Miami Dade County Checklist #0220, ASTM D1654-08, and ASTM B117-09
- The coated steel test panels supplied by Amarr exhibited rust creepage ratings of 0, while the G-90 coated steel control samples displayed rust creepage of 6.
- The test was witnessed and certified by Joseph A. Reed, PE (FL PE #58920)

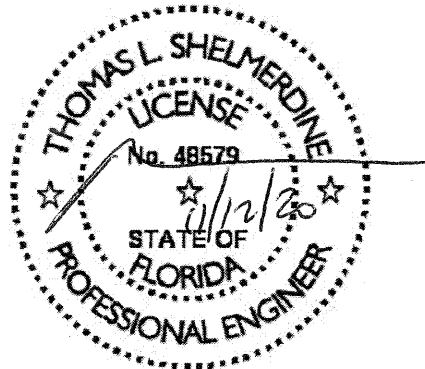
Summary:

The 18' x 7' Model 950 Heritage 1000 door as described on Drawing IRC-9518-165-26-I 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-I:

- Model 655 and Oak Summit 1000 doors (24 ga. doors which have the "Oak Summit" embossment pattern)
- Heritage 2000 and Oak Summit 2000 doors (which have drop-in insulation)
- Short, Long, Flush, and Oak Summit Panels, which are alternate embossment patterns in the skin
- Model 655, 950, Heritage 1000 & 2000, and Oak Summit 1000 & 2000 doors with widths of up to 18'-0" and heights of up to 14'-0".

To the best of my knowledge, the above garage door conforms to the requirements of the Florida Building Code 7th Edition (2020).

Submitted by:



STRUCTURAL SOLUTIONS, P.A.

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