

STRUCTURAL SOLUTIONS, P.A. *

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GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-6016-140-24-I	Test Date:	12/18/06-1/4/07	Project No.:	03-029
Design Pressures:	+29.7 psf, -33.1 psf	Report Date:	11/12/2020		
Test Pressures:	+44.6 psf, -49.7 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
	179 mph	162 mph	154 mph	148 mph	141 mph

Reference Test Report and Drawing:

American Test Lab, Inc. report number ATLNC-1218.02-06 dated 02/21/2007

American Test Lab, Inc. ADDENDUM number ATLNC-1220.01-06 dated 02/27/2007

Amarr Garage Doors drawing number IRC-6016-140-24-I dated 03/06/2007

Description of Test Specimen:

Amarr Garage Door 16' x 7' 25 ga steel garage door Model # 600 Stratford as shown in drawing IRC-6016-140-24-I.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

- The test was conducted in accordance with ASTM E-330, and ANSI / DASMA 108, and TAS 201, 202 & 203
- 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)

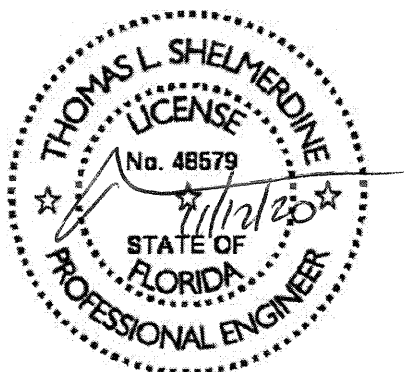
Summary:

The 16' x 7' Model 600 Stratford door as described on Drawing IRC-6016-140-24-I meets the testing criteria as described above. By comparison to the construction of the 16' x 7' Model 600 Stratford, the following doors also meet the above testing criteria, when constructed in accordance with Drawing IRC-6016-140-24-I:

- Model 950 and Heritage 1000 doors (which are constructed of thicker 24 gauge steel in lieu of 25 gauge steel)
- Model 650 and Oak Summit 1000 doors (which have the "Oak Summit" embossment pattern)
- Stratford 1000 doors (which is an alternate name for the Model 600)
- Stratford 2000, 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 600, 650, 950, Stratford 1000 & 2000, Heritage 1000 & 2000, and Oak Summit 1000 & 2000 doors with widths of up to 16'-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.

Thomas L. Shelmerdine, PE (Florida PE #0048579)