

STRUCTURAL SOLUTIONS, P.A.

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR STATIC PRESSURE EVALUATION REPORT

Garage Door No.:	IRC-3316-130-24-I	Test Date:	3/18-3/20/2014	Project No.:	13-086
Design Pressures:	+25.3 psf, -28.8 psf	Report Date:	11/3/2020	Model #	3000
Test Pressures:	+38 psf, -43.2 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
	168 mph	152 mph	145 mph	138 mph	133 mph

Reference Test Report and Drawing:

- American Test Lab, Inc. report number ATLNC-0318.01-14 dated 4/29/2014
- Amarr Garage Doors drawing number IRC-3316-130-24-I dated 3/6/2014

Description of Test Specimen:

Amarr Garage Door 16'-0"x8'-0" Model 3000, 25/27 ga steel garage door as shown in drawing IRC-3316-130-24-I.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

- The weight of the missile used for the Large Missile Impact Test was 9.3 lbs.
- The test was conducted in accordance with ASTM E1886-05, E1996-09, F588-07; and ANSI / DASMA 115-2005
- 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)

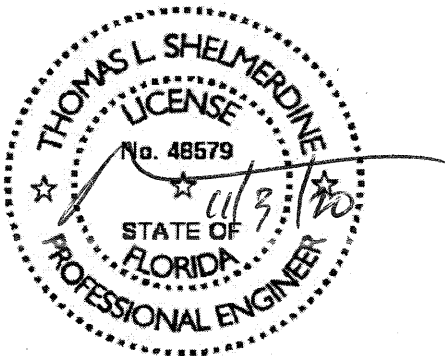
Summary:

The 16'-0"x8'-0" Model 3000 door as described on Drawing IRC-3316-130-24-I meets the testing criteria as described above. By comparison to the construction of the 16'-0"x8'-0" Model 3000, the following doors also meet the above testing criteria, when constructed in accordance with Drawing IRC-3316-130-24-I:

- Classica 3000 doors (which is an alternate name for the Model 3000)
- Model 3000 and Classica 3000 doors with widths up to 16'-0" and heights 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. (Florida: dba Structural Solutions of North Carolina, Inc., Firm #29412)

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