

STRUCTURAL SOLUTIONS, P.A. *

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-3316-140-45	Test Date:	11/15/2005	Project No.:	05-073
Design Pressures:	+29.7 psf, -33.8 psf	Report Date:	10/26/2020		
Test Pressures:	+44.5 psf, -50.6 psf	Test Location:	Amarr Garage Doors Test Facility		
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
	182 mph	165 mph	157 mph	150 mph	144 mph

Reference Test Report and Drawing:

- Structural Solutions, P.A.* Garage Door Static Pressure Test Report for IRC-3316-140-45 dated 10/26/2020.
- Entrematic Drawing number IRC-3316-140-45 dated 3/13/2006.

Description of Test Specimen:

16' x 8' galvanized steel garage door Model 3000 as shown in drawing IRC-3316-140-45.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

- The test was conducted in accordance with ASTM E330
- The door was operable before and after test
- The test was witnessed and certified by Thomas L. Shelmerdine, PE (FL PE# 48579)
- The test facility at Entrematic is accredited by the American Association for Laboratory Accreditation, Certificate #2595.01.

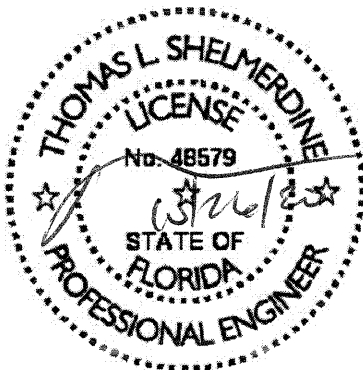
Summary:

The 16' x 8' Model 3000 as described on Drawing IRC-3316-140-45 meets or exceeds the testing criteria as described above. By comparison to the construction of the 16' x 8' Model 3000, the following doors also meet or exceed the above testing criteria, when constructed in accordance with Drawing IRC-3316-140-45:

- Classica 3000 doors (which is an alternate name for the Model 3000)
- 4 long panel windows may be installed in 1 section (1/8" tempered glass - meets ASTM E1300-04)
- Model 3000 and Classica 3000 doors with widths up to 16'-0" and heights up to 8'-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)