

STRUCTURAL SOLUTIONS, P.A.*

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-3316-120-24		Test Date:	9/23/2013	Project No.:	13-092
Design Pressures:	+21.8 psf, -24.8 psf		Report Date:	11/3/2020	Model #	3000
Test Pressures:	+32.7 psf, -37.2 psf		Test Location:	Entrematic, Winston-Salem, 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	
	156 mph	141 mph	134 mph	128 mph	123 mph	

Reference Test Report and Drawing:

- Structural Solutions, P.A.* Garage Door Static Pressure Test Report for IRC-3316-120-24 dated 11/03/2020
- Entrematic Drawing number IRC-3316-120-24 dated 9/24/2013

Description of Test Specimen:

16'-0"x8'-0" Model 3000, 25 ga exterior/27 ga interior steel garage door as shown in drawing IRC-3316-120-24.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

- The tests were conducted in accordance with ASTM E330 and DASMA 108.
- 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.

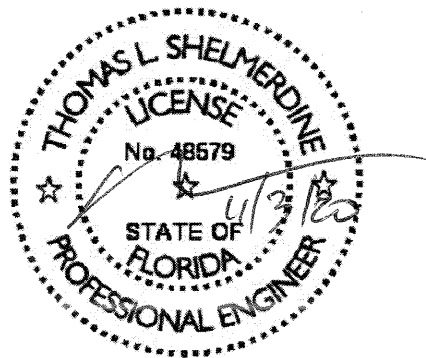
Summary:

The 16'-0"x8'-0" Model 3000 as described on drawing IRC-3316-120-24 meets or exceeds the testing criteria as described above. By comparison to the construction of the 16'-0"x8'-0" Model 3000, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing IRC-3316-120-24:

- 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"
- 4 long panel windows may be installed in 1 section (1/8" tempered glass - meets ASTM E1300-04)

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)

Thomas L. Shelmerdine, PE (NC PE #14654; Florida PE #0048579)

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