

STRUCTURAL SOLUTIONS, P.A.*

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-3316-130-24		Test Date:		9/4/2013	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:		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
	168 mph		152 mph		145 mph		138 mph		133 mph

Reference Test Report and Drawing:

- Structural Solutions, P.A.* Garage Door Static Pressure Test Report for IRC-3316-130-24 dated 11/03/2020
- Entrematic Drawing number IRC-3316-130-24 dated 9/24/3012

Description of Test Specimen:

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

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.

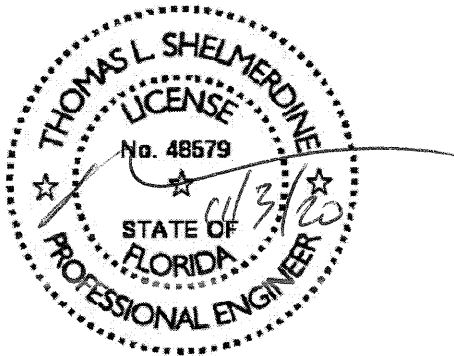
Summary:

The 16'-0"x8'-0" Model 3000 as described on drawing IRC-3316-130-24 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-3316-130-24:

- 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)

5921-G West Friendly Avenue ■ Greensboro, North Carolina 27410 ■ (336) 856-2686 ■ www.ssipa.biz ■ NC Firm #C-1096