

STRUCTURAL SOLUTIONS, P.A. *

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IBC-3516-120-15		Test Date:	11/12/2004	Project No.:	04-066
Design Pressures:	+19.8 psf, -22.4 psf		Report Date:	11/13/2020		
Test Pressures:	+29.7 psf, -33.6 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	
	155 mph	140 mph	134 mph	128 mph	122 mph	

Reference Test Report and Drawing:

- Structural Solutions, P.A.* Garage Door Static Pressure Test Report for IBC-3516-120-15 dated 11/13/2020.
- Entrematic Drawing number IBC-3516-120-15 dated 11/17/2004.

Description of Test Specimen:

16'-2" x 8' 24 ga steel garage door Model 3500 as shown in drawing IBC-3516-120-15.

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.

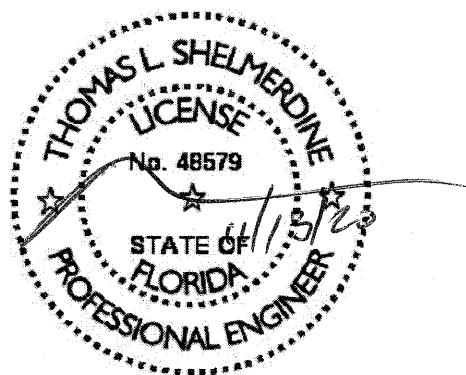
Summary:

The 16'-2" x 8' Model 3500 as described on Drawing IBC-3516-120-15 meets or exceeds the testing criteria as described above. By comparison to the construction of the 16'-2" x 8' Model 3500, the following doors also meet or exceed the above testing criteria, when constructed in accordance with Drawing IBC-3516-120-15:

- Model 3500 doors with widths up to 16'-2" and heights up to 20'-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)