

STRUCTURAL SOLUTIONS, P.A. *

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IBC-3609-140-00		Test Date:	4/20/2010		Project No.:	10-041			
Design Pressures:	+28.2 psf, -33.1 psf		Report Date:	11/10/2020						
Test Pressures:	+42.3 psf, -49.6 psf		Test Location:	Amarr Garage Doors Test Facility						
ASCE 7-16 Criteria:	Up to 5 Feet of Door Width in Zone 5; Roof Slope ≤ 10°; Enclosed Building									
	Exp. B, 30' MRH		Exp. C, 15' MRH		Exp. C, 25' MRH		Exp. D, 15' MRH		Exp. D, 25' MRH	
	180 mph		163 mph		155 mph		148 mph		142 mph	

Reference Test Report and Drawing:

- Structural Solutions, P.A.* Garage Door Static Pressure Test Report for IBC-3609-140-00 dated 11/11/2020.
- Entrematic Drawing number IBC-3609-140-00 dated 3/1/2012.

Description of Test Specimen:

9'-2" x 8'-0" 0.050 inch aluminum garage door Model 3550 as shown in drawing IBC-3609-140-00.

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.

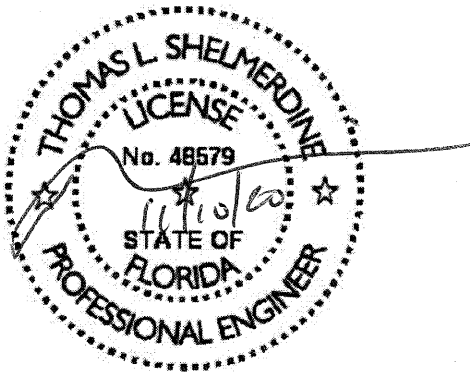
Summary:

The 9'-2" x 8'-0" Model 3550 as described on Drawing IBC-3609-140-00 meets or exceeds the testing criteria as described above. By comparison to the construction of the 9'-2" x 8'-0" Model 3550, the following doors also meet or exceed the above testing criteria, when constructed in accordance with Drawing IBC-3609-140-00:

- Model 3550 doors with widths of up to 9'-2" and heights of up to 24'

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)