

STRUCTURAL SOLUTIONS, P.A. *

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	SBC-580-020	Test Date:	5/24/2000	Project No.:	2K-016
Design Pressures:	+33.0 psf, -34.6 psf	Report Date:	10/29/2020		
Test Pressures:	+49.5 psf, -52.0 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
	183 mph	166 mph	158 mph	151 mph	145 mph

Reference Test Report and Drawing:

- Structural Solutions, P.A.* Garage Door Static Pressure Test Report for SBC-580-020 dated 10/29/2020.
- Entrematic Drawing number SBC-580-020 dated 4/24/2001.

Description of Test Specimen:

16' x 7' 27 ga steel garage door Model 1500 as shown in drawing SBC-580-020.

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.

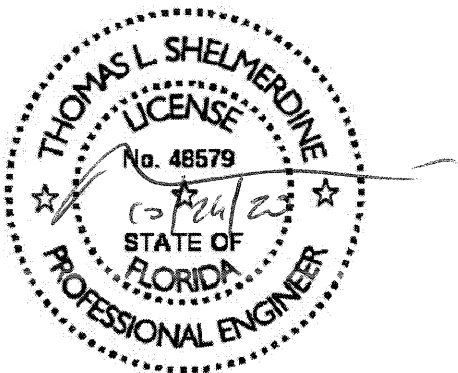
Summary:

The 16' x 7' Model 1500 as described on Drawing SBC-580-020 meets or exceeds the testing criteria as described above. By comparison to the construction of the 16' x 7' Model 1500, the following doors also meet or exceed the testing criteria:

- 16' x 7' Model 1200 doors, which are 2" thick and have thicker 24 ga exterior skin
- Model 1500 and 1200 doors up to 16'-0" wide and up to 14'-0" high
- Heritage 3000 doors (which are Model 1200); Stratford 3000 and Oak Summit 3000 doors (which are Model 1500)
- Short, Long, Flush, Flush-Ribbed and Oak Summit Panels, which are alternate embossment patterns in the skin
- 8 windows may be installed in 1 section (25 5/8" x 14 1/4" x 3/32" annealed 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.

Thomas L. Shelmerdine, PE (Florida PE #0048579)