

STRUCTURAL SOLUTIONS, P.A.*

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	SFC-590-010		Test Date:	8/17-8/18/2016		Project No.:	01-059			
Design Pressures:	+46 psf, -56 psf		Report Date:	10/30/2020		Model #	1200			
Test Pressures:	+69 psf, -84 psf		Test Location:	American Test Lab, Inc., Brevard, 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	
	225 mph		204 mph		194 mph		185 mph		178 mph	

Reference Test Report and Drawing:

- American Test Lab, Inc. report number ATLNC-0817.01-16 dated 2/2/2017
- Entrematic Drawing number SFC-590-010 dated 6/21/2001

Description of Test Specimen:

16'-0"x7'-0" Model 1200, 24/27 ga (exterior/interior gauges) steel garage door as shown in drawing SFC-590-010.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

- The tests were conducted in accordance with FBC TAS 201, 202, 203; ASTM E330-02, E1996-09, and ANSI / DASMA 108-2005, 115-2005.
- The weight of the missile used for the Large Missile Impact Test was 9 lbs.
- All tests were conducted with no deviations.
- The test was witnessed and certified by David Johnson, PE, 1656 Calvert Road, Brevard, NC (FL PE #00061915)
- American Test Lab is accredited by IAS, Certification #TL-423.

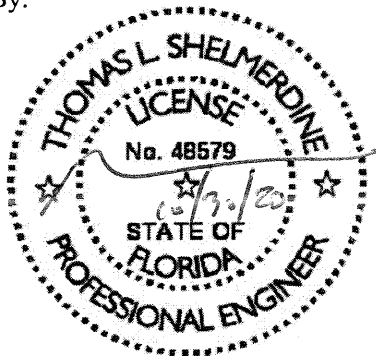
Summary:

The 16'-0"x7'-0" Model 1200 as described on drawing SFC-590-010 meets or exceeds the testing criteria as described above. By comparison to the construction of the 16'-0"x7'-0" Model 1200, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing SFC-590-010:

- 16' x 7' Heritage 3000 and Oak Summit 3000 doors (which are alternate names for Model 1200)
- Short, Long, Flush, and Oak Summit panels, which are alternate embossment patterns in the skin
- Model 1200 Heritage 3000 Short, Long, and Flush panel doors with widths up to 16'-0" and heights up to 14'-0"
- Model 1200 Oak Summit 3000 doors with widths of 9'-2" thru 10'-10", 12'-0" thru 14'-6", and 15'-6" thru 16'-0" and heights up to 14'-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.* (*Florida: dba Structural Solutions of North Carolina, Inc., Firm #29412)

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