

STRUCTURAL SOLUTIONS, P.A.*

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IBC-2726-104-26		Test Date:	9/14/2016		Project No.:	17-028			
Design Pressures:	+14.3 psf, -16 psf		Report Date:	10/28/2020		Model #	2700			
Test Pressures:	+21.5 psf, -24 psf		Test Location:	American Test Lab, Inc., Brevard, NC						
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	
	134 mph		122 mph		116 mph		111 mph		106 mph	

Reference Test Report and Drawing:

- American Test Lab, Inc. report number ATLNC-0914.01-16 dated 4/5/2017, and Addendum dated 3/2/2020
- Entrematic Drawing number IBC-2726-104-26 dated 2/8/2017

Description of Test Specimen:

26'-2"x8'-0" Model 2700, 27 ga steel garage door as shown in drawing IBC-2726-104-26.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

- The tests were conducted in accordance with ASTM E330-02, and ANSI / DASMA 108-2005.
- 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.

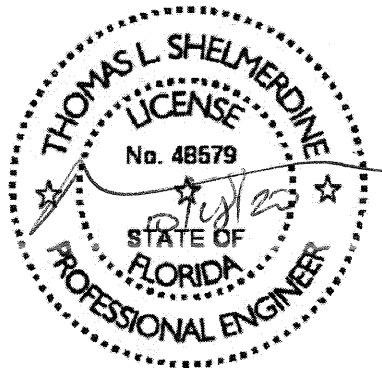
Summary:

The 26'-2"x8'-0" Model 2700 as described on drawing IBC-2726-104-26 meets or exceeds the testing criteria as described above. By comparison to the construction of the 26'-2"x8'-0" Model 2700, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing IBC-2726-104-26:

- 26'-2" x 8' Model 2720 doors (which are constructed of thicker 20 gauge steel in lieu of 27 gauge steel)
- 26'-2" x 8' Amarr 2742 & 2042 doors, which are alternate model numbers for Models 2700 & 2720
- Model 2700, 2720, Amarr 2742 and Amarr 2042 doors with widths up to 26'-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.* (*Florida: dba Structural Solutions of North Carolina, Inc., Firm #29412)

Thomas L. Shelmerdine, PE (NC PE #14654; Florida PE #0048579)

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