

STRUCTURAL SOLUTIONS, P.A.*

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IBC-1812-130-15-I		Test Date:	3/23-3/25/2015		Project No.:	15-013			
Design Pressures:	+23.8 psf, -27.3 psf		Report Date:	10/30/2020		Model #	1380			
Test Pressures:	+35.7 psf, -41 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	
	168 mph		152 mph		145 mph		138 mph		133 mph	

Reference Test Report and Drawing:

- American Test Lab, Inc. report number ATLNC-0323.04-15 dated 4/21/2015
- Entrematic Drawing number IBC-1812-130-15-I dated 2/16/2015

Description of Test Specimen:

12'-2"x8'-0" Amarr Model 1380, 27 ga steel garage door as shown in drawing IBC-1812-130-15-I.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

- The tests were conducted in accordance with ASTM E1886-05, E1996-09, F588-07; and ANSI / DASMA 115-2005.
- The weight of the missile used for the Large Missile Impact Test was 9.3 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.

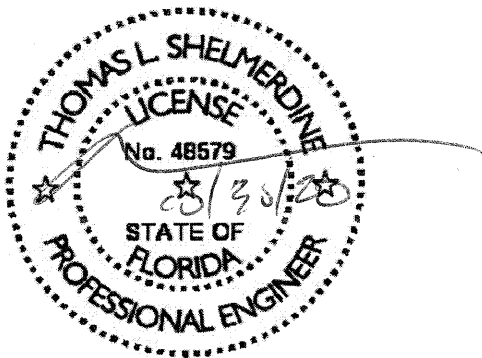
Summary:

The 12'-2"x8'-0" Amarr Model 1380 as described on drawing IBC-1812-130-15-I meets or exceeds the testing criteria as described above. By comparison to the construction of the 12'-2"x8'-0" Amarr Model 1380, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing IBC-1812-130-15-I:

- Amarr Model 1380 doors up to 12'-2" wide and up to 14'-0" high

To the best of my knowledge, the above garage door conforms to the requirements of the Florida Building Code 7th Edition (2020).

Submitted By:



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

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