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Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR STATIC PRESSURE EVALUATION REPORT

Garage Door No.:	IBC-2420-130-26-I	Test Date:	4/4-4/6/2011	Project No.:	11-004
Design Pressures:	+22.9 psf, -25.7 psf	Report Date:	10/22/2020		
Test Pressures:	+34.4 psf, -38.6 psf	Test Location:	American Test Lab, Inc., Brevard, NC		
ASCE 7-16 Criteria:	Up to 5 Feet of Door Width in Zone 5; ≤ 10° Roof Slope; Enclosed Building				
	Exp. B, 30' MRH	Exp. C, 15' MRH	Exp. C, 25' MRH	Exp. D, 15' MRH	Exp. D, 25' MRH
	167 mph	151 mph	144 mph	138 mph	132 mph

Reference Test Report and Drawing:

American Test Lab, Inc. report number ATLNC-0404.01-11R dated 05/24/2011

Amarr Garage Doors drawing number IBC-2420-130-26-I dated 4/10/2011

Description of Test Specimen:

Amarr Garage Door 20'-2" x 8' 24 ga steel garage door Model #2400 as shown in drawing IBC-2420-130-26-I.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

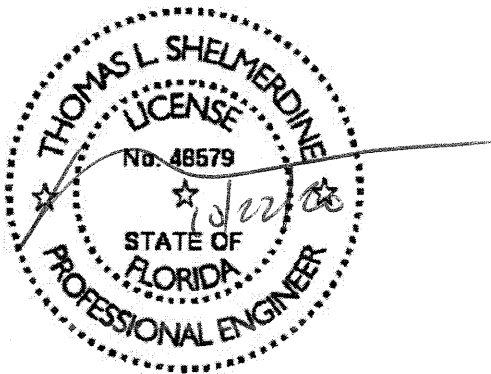
- The test was conducted in accordance with ASTM E330, E1996, and ANSI / DASMA 108, 115
- The door was operable before and after test
- The test was witnessed and certified by David Johnson, P.E. of Brevard, NC (FL PE #00061915)

Summary:

The 20'-2" x 8' Model 2400 door as described on Drawing IBC-2420-130-26-I meets the testing criteria as described above. By comparison to the construction of the 20'-2" x 8' Model 2400, the following doors also meet the above testing criteria, when constructed in accordance with Drawing IBC-2420-130-26-I:

- Model 2000 doors (which are constructed of thicker 20 ga. steel)
- Model 2400 and 2000 doors with widths up to 20'-2" and heights up to 24'-0"

Submitted by:



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