

STRUCTURAL SOLUTIONS, P.A.*

Structural Engineering ■ Investigations ■ Consulting

GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-6218-130-24		Test Date:	10/14/2015	Project No.:	15-115
Design Pressures:	+25.4 psf, -28.7 psf		Report Date:	10/29/2020	Model #	625
Test Pressures:	+38.1 psf, -43.1 psf		Test Location:	Entrematic, Winston-Salem, 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	
	168 mph	152 mph	145 mph	138 mph	133 mph	

Reference Test Report and Drawing:

- Structural Solutions, P.A.* Garage Door Static Pressure Test Report for IRC-6218-130-24 dated 10/29/2020
- Entrematic Drawing number IRC-6218-130-24 dated 12/7/2015

Description of Test Specimen:

18'-0"x7'-0" Model 625, 25 ga steel garage door as shown in drawing IRC-6218-130-24.

Test Standards and Report Conclusion:

The above referenced Test Report states the following:

- The tests were conducted in accordance with ASTM E330-14 and DASMA 108-05.
- 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.

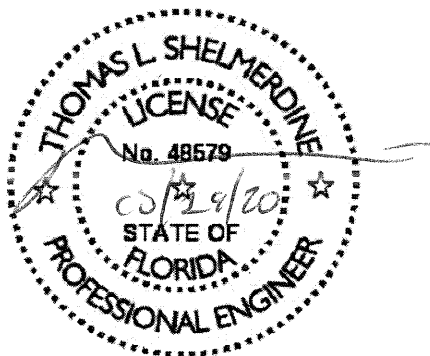
Summary:

The 18'-0"x7'-0" Model 625 as described on drawing IRC-6218-130-24 meets or exceeds the testing criteria as described above. By comparison to the construction of the 18'-0"x7'-0" Model 625, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing IRC-6218-130-24:

- 18' x 7' Model 675 doors, which have alternate embossment patterns in the skin
- 18' x 7' Amarr Lincoln 1000 and Amarr Hillcrest 1000 doors (which are alternate names for Models 625 & 675)
- 18' x 7' Amarr Lincoln 1500 & 2000 and Amarr Hillcrest 1500 & 2000 doors (which are Models 625 & 675 with insulation)
- Model 625, 675, Amarr Lincoln & Amarr Hillcrest 1000, 1500 & 200 doors, with widths up to 18'-0" and heights up to 14'-0"
- 8 short panel windows (18-1/8" x 10-5/8") with 3/32" SSB glass minimum may be installed in 1 section

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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