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GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-6212-175-24-I	Model #	625	Report Date:	9/25/2023
Design Pressures:	+47.4 psf, -54.8 psf	Test Pressures:	+71.1 psf, -82.2 psf	Project No. 17-097	
Test Date:	2/20-2/22/2017	Test Location:	American Test Lab, Inc., Brevard, NC		
ASCE 7-22 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
	226 mph	205 mph	195 mph	186 mph	179 mph

Reference Drawing and Test Report(s):

- Amarr Drawing number IRC-6212-175-24-I dated 12/04/2017
- American Test Lab, Inc. report number ATLNC 0220.03-17 dated 12/13/2017
 - Tests witnessed and certified by David Johnson, PE (FL PE #61915) for:
 - Static Air Pressure Test • Large Missile Impact Test • Forced Entry Test • Cyclical Test • Tensile Test

Description of Test Specimen:

A 12'-2" wide x 7'-0" high x 2" thick sectional garage door, Model # 625. All sections were made of 25 ga galvanized steel sheet. The test unit is further described on Drawing IRC-6212-175-24-I.

Test Standards and Report Conclusions:

The above referenced Test Reports state the following:

- The tests were conducted in accordance with ANSI/DASMA 108-05; ASTM E330-02; FBC TAS 201 202 203; ASTM E8 E330-02 E1886-05 E1996-09 F588-07; ANSI/DASMA 108-05 115-12
- The tests were witnessed and certified by: David Johnson, PE (FL PE #61915)
- The weight of the missile used for the Large Missile Impact Test was 9.3 lbs.
- The maximum cycle time noted in the report is less than the maximum permitted based on the formula:
(area of specimen -75) x (F) + 3, where F= 0.06 for sectional doors.
- All tests passed the referenced Test Standards.
- The test facility at American Test Lab, Inc. is accredited by IAS, Certification #TL-423.

Summary:

The 12'-2"x7'-0" Model # 625 door as described on drawing IRC-6212-175-24-I meets or exceeds the testing criteria as described above. By comparison to the construction of the 12'-2"x7'-0" Model # 625, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing IRC-6212-175-24-I:

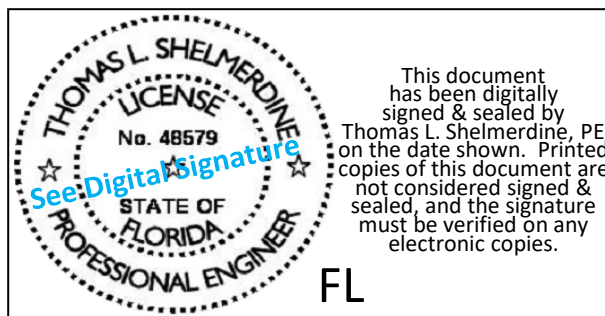
- 12'-2" x 7' Model 675 doors, which have alternate embossment patterns in the skin
- 12'-2" x 7' Model 950 doors, which have thicker 24ga steel skin
- 12'-2" x 7' Amarr Lincoln 1000, Hillcrest 1000, & Heritage 1000 doors (which are alternate names for Models 625, 675 & 950)
- 12'-2" x 7' Amarr Lincoln 1500 & 2000, Hillcrest 1500 & 2000, and Heritage 1500 & 2000 doors (which are Models 625, 675 & 950 with insulation)
- Model 625, 675, 950, Amarr Lincoln, Hillcrest & Heritage 1000, 1500 & 2000 doors, with widths up to 12'-2" and heights up to 14'-0"
- 6 windows may be installed in 1 section (18-1/8" x 10-5/8" x 5/16" overall thickness [1/8" annealed glass, 0.090" Solutia PVB interlayer, 1/8" annealed glass] - meets ASTM E1300-04)
- Windows are not required to be installed in any section.

To the best of my knowledge, the above garage door conforms to the requirements of the Florida Building Code 8th Edition (2023). I certify that I have no financial interest in the testing lab(s) that performed the tests, nor in Amarr Garage Doors.

Submitted By:

Thomas L
Shelmerdine

Digitally signed by Thomas L Shelmerdine
DN: c=US, o=North Carolina,
dnQualifier=A01410D000001856487A7B100
125CE2, cn=Thomas L Shelmerdine
Date: 2023.09.25 08:48:30 -04'00'



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