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GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-6216-130-15-I	Model #	625	Report Date:	2/11/2025
Design Pressures:	+25.6 psf, -29.1 psf	Test Pressures:	+38.4 psf, -43.6 psf		Project No. 15-133
Test Date:	7/16-7/18/2024	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
	168 mph	152 mph	145 mph	138 mph	133 mph

Reference Drawing and Test Report(s):

- Amarr Drawing number IRC-6216-130-15-I dated 04/14/2020
- American Test Lab, Inc. report number ATLNC 0716.01-24 dated 02/11/2025
 - 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

Description of Test Specimen:

A 16'-0" 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-6216-130-15-I.

Test Standards and Report Conclusions:

The above referenced Test Reports state the following:

- The tests were conducted in accordance with ANSI/DASMA 108-12; ASTM E330-14; ASTM E1886-05 E1996-09 F588-07; ANSI/DASMA 115-17
- 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 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 16'-0"x7'-0" Model # 625 door as described on drawing IRC-6216-130-15-I meets or exceeds the testing criteria as described above. By comparison to the construction of the 16'-0"x7'-0" Model # 625, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing IRC-6216-130-15-I:

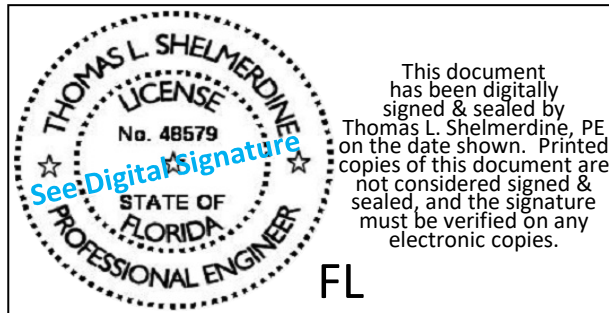
- 16' x 7' Model 675 doors, which have alternate embossment patterns in the skin
- 16' x 7' Model 950 doors, which have thicker 24ga steel skin
- 16' x 7' Amarr Lincoln 1000, Hillcrest 1000, & Heritage 1000 doors (which are alternate names for Models 625, 675 & 950)
- 16' x 7' Amarr Lincoln 2000, Hillcrest 2000, and Heritage 2000 doors (which are Models 625, 675 & 950 with insulation)
- Model 625, 675, 950, Amarr Lincoln, Hillcrest & Heritage 1000 & 2000 doors, with widths up to 16'-0" and heights up to 14'-0"
- Up to 8 windows (18-1/8" x 10-5/8" x 5/16" annealed glass with PVB interlayer) may be installed in 1 section.
- Alternatively, windows (18-1/8" x 10-5/8" x 5/16" annealed glass with PVB interlayer) may be installed in each end or both ends of each section.
- 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=Unaffiliated,
dnQualifier=A01410D000001938E1ECCE
A0007AC7B, cn=Thomas L Shelmerdine
Date: 2025.02.11 16:32:35 -05'00'



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