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GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-9518-169-26-I		Model # 950		Report Date: 4/17/2025	
Design Pressures:	+43 psf, -48.5 psf		Test Pressures:	+64.5 psf, -72.8 psf		Project No. 25-038
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	
	218 mph	198 mph	188 mph	180 mph	172 mph	

Reference Drawing and Test Report(s):

- Amarr Drawing number IRC-9518-169-26-I dated 02/10/2025
- American Test Lab, Inc. report number ATLNC 0716.02-24 dated 04/15/2025
 - 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 • Tensile Test

Description of Test Specimen:

A 18'-0" wide x 7'-0" high x 2" thick sectional garage door, Model # 950. All sections were made of 24 ga galvanized steel sheet. The test unit is further described on Drawing IRC-9518-169-26-I.

Test Standards and Report Conclusions:

The above referenced Test Reports state the following:

- The tests were conducted in accordance with ANSI/DASMA 108-17; ASTM E330-14; FBC TAS 201 202 203; ASTM E8 E330-14 ; ANSI/DASMA 108-17 115-17
- 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 18'-0"x7'-0" Model # 950 door as described on drawing IRC-9518-169-26-I meets or exceeds the testing criteria as described above. By comparison to the construction of the 18'-0"x7'-0" Model # 950, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing IRC-9518-169-26-I:

- 18' x 7' Amarr Heritage 1000 doors (which is an alternate name for Model 950)
- 18' x 7' Amarr Heritage 2000 doors (which is Model 950 with insulation)
- Model 950, Amarr Heritage 1000 & 2000 doors, with widths up to 18'-0" and heights up to 14'-0"
- Up to 8 short-panel windows (5/16" x 18-1/8" x 10-5/8" annealed laminated glass with .090" PVB interlayer - meets ASTM E1300-04) may be installed in one section.
- Alternatively, one short-panel window may be installed in one end or both ends of any section, multiple sections or all sections.
- Windows are not required to be installed in any section.

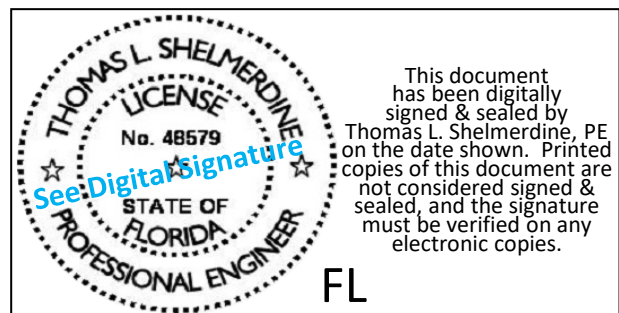
To the best of my knowledge, the above garage door conforms to the requirements of the Florida Building Code 8th Edition (2023).

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=A01410D000001938E1ECCEA
0007AC7B, cn=Thomas L Shelmerdine
Date: 2025.04.17 08:36:26 -04'00'



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