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GARAGE DOOR EVALUATION REPORT

Garage Door No.:	IRC-P518-130-24-I		Model # P500		Report Date:	10/4/2023
Design Pressures:	+25.4 psf, -28.7 psf		Test Pressures:	+38.1 psf, -43.1 psf		Project No. 11-027
Test Date:	4/4-4/7/2011	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-P518-130-24-I dated 04/18/2011
- American Test Lab, Inc. report number ATLNC 0404.02-11 dated 05/05/2011
 - 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 18'-0" wide x 7'-0" high x 2" thick sectional garage door, Model # P500. All sections were made of 27 ga exterior / 27 ga interior galvanized steel sheet. The test unit is further described on Drawing IRC-P518-130-24-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; ASTM E330-02 E1996-05 ; ANSI/DASMA 108-05 115-05
- 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 # P500 door as described on drawing IRC-P518-130-24-I meets or exceeds the testing criteria as described above. By comparison to the construction of the 18'-0"x7'-0" Model # P500, the following doors also meet or exceed the above testing criteria, when constructed in accordance with drawing IRC-P518-130-24-I:

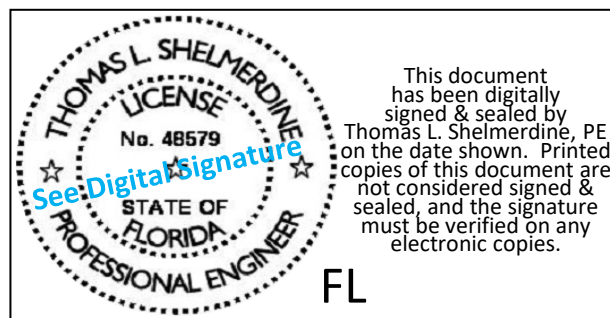
- 18' x 7' Model D500 doors, which have alternate embossment patterns in the skin
- 18' x 7' Amarr Olympus & Amarr Designer's Choice doors, which are alternate names for Models P500 & D500 respectively
- Model P500, D500, Amarr Olympus & Amarr Designer's Choice doors, with widths up to 18' and heights up to 14'

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=A01410D000001856487A7B
100125CE2, cn=Thomas L Shelmerdine
Date: 2023.10.04 16:18:17 -04'00'



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