



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

Amarr Garage Doors dba Entrematic
165 Carriage Court
Winston Salem, NC 27105

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model 950 Amarr Heritage 1000, 2000 (Dp: +38.0, -42.0 psf) Steel Sectional Garage Door up to 16'-0" Wide with Optional Impact Resistant Windows

APPROVAL DOCUMENT: Drawing No. **IRC-9516-156-26-I**, titled "Model #950 Amarr Heritage 1000, 2000", sheets 1 through 3 of 3, dated 09/22/2022, prepared by the manufacturer, signed and sealed by Thomas L. Shelmerdine, P.E. on 11/16/2022, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



NOA No. 22-1024.01
Expiration Date: December 15, 2027
Approval Date: December 15, 2022
Page 1

Amarr Garage Doors dba Entrematic

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **IRC-9516-156-26-I**, titled “Model #950 Amarr Heritage 1000, 2000”, sheets 1 through 3 of 3, dated 09/22/2022, prepared by manufacturer, signed and sealed by Thomas L. Shelmerdine, P.E. on 11/16/2022.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
5) Tensile Test per ASTM E8
along with marked-up drawings and installation diagram of Amarr 16’ x 7’ 24 ga steel garage door Model 950, prepared by American Test Lab, Inc, Test Report No. **ATLNC 0920.02-22**, dated 10/06/2022, signed and sealed by David W. Johnson, P.E.
2. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654 & ASTM B117, prepared by Architectural Testing, Inc., Test Report No. **C5463.01-106-18**, dated 04/03/2013, signed and sealed by Gary T. Hartman, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by Structural Solutions, P.A., dated 10/15/2022, signed and sealed by Thomas L. Shelmerdine, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** for their “**Saflex PVB Clear and Color Glass Interlayers**” dated 04/20/2021, expiring on 05/21/2026.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and of no financial interest, dated 10/15/2022, issued by Structural Solutions, P.A., signed and sealed by Thomas L. Shelmerdine, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 22-1024.01
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1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +304.0 LBS/FT & -336.0 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.021) MIN. ROLLED FORMED LIGHT COMMERCIAL QUALITY
5. SEE TABLE 2 ON PAGE 3 FOR REINFORCEMENT SCHEDULE
6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
7. REFER TO TABLES ON PAGE 3 FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES
8. THIS APPROVAL REQUIRES THE MANUFACTURER TO DO TESTING OF ALL COILS USED TO FABRICATE DOOR PANELS UNDER THIS NOTICE OF ACCEPTANCE. A MINIMUM OF 2 SPECIMENS SHALL BE CUT FROM EACH COIL AND TENSILE TESTED ACCORDING TO ASTM E-8 BY A DADE COUNTY APPROVED LAB SELECTED AND PAID BY THE MANUFACTURER. EVERY 3 MONTHS, 4 TIMES A YEAR, THE MANUFACTURER SHALL MAIL TO THIS OFFICE: A COPY OF THE TEST REPORTS WITH CONFIRMATION THAT THE SPECIMENS WERE SELECTED FROM COILS AT THE MANUFACTURER PRODUCTION FACILITIES. AND A NOTARIZED STATEMENT FROM THE MANUFACTURER THAT ONLY COILS WITH YIELD STRENGTH OF 44,000 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.



TOP FIXTURE REINFORCEMENT ILLUSTRATION

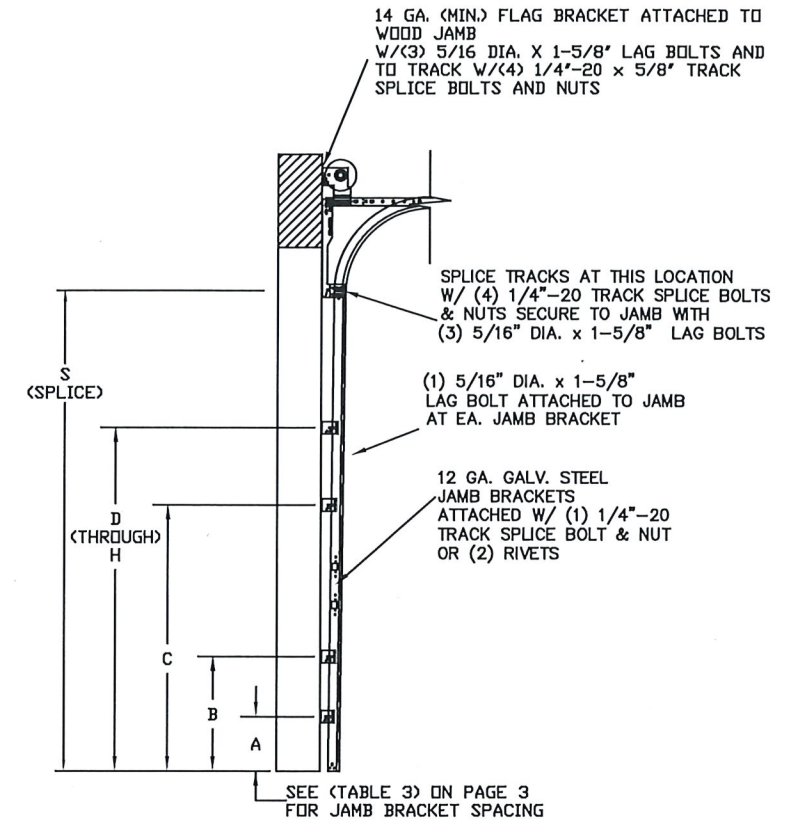


PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. 22-1024.01

Approval Date 12/15/2022

By 
Miami-Dade Product Control



TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

<p>MAX SIZE 16' x 14'</p> <p>DESIGN LOADS +38.0 PSF -42.0 PSF</p> <p>TEST LOADS (1.5 x DESIGN LOADS) +57.0 PSF -63.0 PSF</p> <p>LARGE MISSILE IMPACT RESISTANCE</p>	<p>Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)</p> <p>FL</p> <div><p>THOMAS L. SHELMERDINE</p><p>LICENSE</p><p>No. 48579</p><p>12.16.22</p><p>STATE OF FLORIDA</p><p>PROFESSIONAL ENGINEER</p></div> <p>d/b/a Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410</p>
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<p><i>Amarr</i></p> <p>ENTRE/MATIC</p>			
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MODEL #950 AMARR HERITAGE 1000, 2000			
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SIZE	DRAWN BY	RLR	DATE	9/22/22	DRAWING NUMBER IRC-9516-156-26-I
B	CHECKED BY	RLR	DATE	9/22/22	
ENTRE/MATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 2

SECTION	STRUT SIZE
TOP	5.5"
7TH	5.5"
6TH	5.5"
5TH	5.5"
4TH	5.5"
3RD	5.5"
2ND	5.5"
BOTTOM	5.5"
	3"

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 16" O.C. (1 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS
THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS
THEN 14" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS
THEN 24" O.C. (2 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3" APART)
AT 8" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS
THEN 16" O.C. (1 1/4" EMBEDMENT)
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

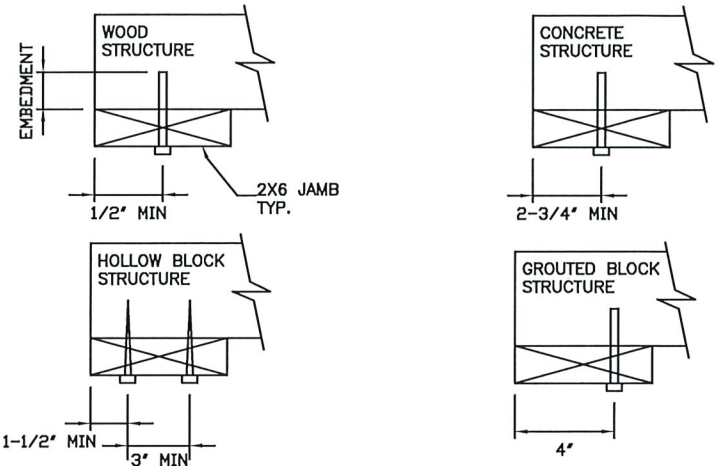


TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT								
	A	B	C	D	E	F	G	H	I
6' 6"	3.5"	10"	21"	39"	57"				
7'	3.5"	10"	21"	42"	63"				
7' 6"	3.5"	10"	18"	36"	54"	72"			
8'	3.5"	10"	21"	39"	57"	75"			
8' 6"	3.5"	10"	21"	42"	63"	81"			
9'	3.5"	10"	18"	36"	54"	72"	90"		
9' 6"	3.5"	10"	21"	39"	57"	75"	93"		
10'	3.5"	10"	21"	42"	63"	81"	99"		
10' 6"	3.5"	10"	21"	42"	63"	84"	105"		
11'	3.5"	10"	21"	39"	57"	75"	93"	111"	
11' 6"	3.5"	10"	21"	42"	63"	81"	99"	117"	
12'	3.5"	10"	21"	42"	63"	84"	105"	123"	
12' 6"	3.5"	10"	21"	39"	57"	75"	93"	111"	129"
13'	3.5"	10"	21"	42"	63"	81"	99"	117"	135"
13' 6"	3.5"	10"	21"	42"	63"	84"	105"	123"	141"
14'	3.5"	10"	21"	42"	63"	84"	105"	126"	147"

ALL TRACK AND ATTACHMENT SPACING +/-2"
ALLOWED WITH SYP OR SPF NO. 2 OR BETTER ONLY

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 22-1024.01
Approval Date 12/15/2022
By *[Signature]*
Miami-Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

DESIGN LOADS
+38.0 PSF
-42.0 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+57.0 PSF
-63.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48579
12-16-22
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr
ENTRE/MATIC

MODEL #950 AMARR HERITAGE 1000, 2000

SIZE B	DRAWN BY RLR	DATE 9/22/22	DRAWING NUMBER IRC-9516-156-26-1
CHECKED BY RLR	DATE 9/22/22	ENTRE/MATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 3 OF 3	