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 1000 Amarr 2432 Insulated Steel Sectional Garage Doors up to 16'-2" Wide with Impact Resistant Windows

APPROVAL DOCUMENT: Drawing No., titled “Model 1000 Amarr 2432”, sheets 1 through 4 of 4, dated 01/25/2017, prepared by Amarr Garage Doors, signed and sealed on 09/20/201 by Thomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:
1. See sheet 3 for Polycarbonate panel glazing, not to exceed 38-1/16" Wide DLO x 10-3/8" High DLO.

LABELING: A permanent label with the manufacturer’s name or logo, 3800 Greenway Circle, Lawrence, Kansas, 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 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 revises #17-0321.05 and consists of this page 1 and evidence page E-1 & E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 17-1010.22
Expiration Date: November 9, 2022
Approval Date: December 28, 2017
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS

B. TESTS
1. Addendum letter to Test Report No. ATLNC 1130.02-16, prepared by American Test Lab, Inc., dated 06/19/2017, signed and sealed by David W. Johnson, P.E.
2. 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'-2" x 8', 24 ga. exterior/27 ga. interior steel insulated garage door Model 1000, prepared by American Test Lab, Inc., Test Report No. ATLNC 1130.02-16, dated 02/13/2017 and revised on 09/21/2017, 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 D1654-08 and Salt Spray (Fog) per ASTM B117-11, prepared by Intertek/ATI, Test Report # C5463.01-106-18, dated 04/03/2013, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS
1. Anchor calculations prepared by Structural Solutions, P.A., dated 03/02/2017, 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. UL evaluation report on Surface Burning Characteristics per ASTM E84 an ANSI/UL723 of Grade 54 and 40 Expandable Polystyrene Resins manufactured by Flint Hills Resources, Evaluation Report #UL ER7503-01, dated May 22, 2013 and revised on May 12, 2014.
3. Notice of Acceptance No. 17-0410.01 issued to Covestro, LLC for its Makrolon Polycarbonate Sheets, approved on 06/08/2017 and expiring on 08/27/2022.

F. STATEMENTS

Ishah I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1010.22
Expiration Date: November 9, 2022
Approval Date: December 28, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
   1. None.

B. CALCULATIONS
   1. None

C. QUALITY ASSURANCE
   1. Miami Dade Department of Regulatory and Economic Resources (RER).

D. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 17-0410.01 issued to Covestro, LLC for its Makrolon Polycarbonate Sheets, approved on 06/08/2017 and expiring on 08/27/2022.

E. STATEMENTS

F. OTHER
   1. This NOA revises NOA # 17-0321.05, expiring 11/09/22.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1010.22
Expiration Date: November 9, 2022
Approval Date: December 28, 2017
WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

2 X 8 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 1" O.C. (1 1/2" EMBRACE)
2 X 6 VERTICAL JAMB ATTACHMENT TO 3,000 PSI CONCRETE
HELI TANK BOLT 3/8" X 4" STARTING 6" FROM ENDS
THEN 24" O.C. (2 1/2" EMBRACE)
HELI SLEEVE ANCHOR 3/8" X 2 3/4" STARTING 6" FROM ENDS
THEN 10" O.C. (1 1/2" EMBRACE)
MT/RAMSET REDHEAD (MT=307) 3/8" X 4" STARTING 6" FROM ENDS
THEN 18" O.C. (2 1/2" EMBRACE)
2 X 8 VERTICAL JAMB ATTACHMENT TO HOLLOW C-20 BLOCK
SIMPSON 1/4" X 3" TEEN SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3 APART)
AT 8" O.C. (1 1/2" EMBRACE)
HELI 1/4" X 2 3/4" MINI-COM (3) SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3 APART) AT 8" O.C. (1 1/2" EMBRACE)
2 X 6 VERTICAL JAMB ATTACHMENT TO SPLICED C-20 BLOCK (1,000 PSI CONCRETE)
HELI SLEEVE ANCHOR 3/8" X 2 3/4" STARTING 6" FROM ENDS
THEN 12" O.C. (1 1/4" EMBRACE)
(CAN, USE FASTENERS FOR HOLLOW C-20 BLOCK)
*ADS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE
*PREPARATION OF WOOD JAMBS BY OTHERS

NOTES:
1. ALL SCREWS TO BE EQUALLY SPACED BETWEEN THE HEADER AND FLOOR.
2. FIRST HORIZONTAL ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM CENTER DISTANCE; HOLLOW ANCHORS INSTALLED AT LEAST AS HIGH AS THE GIRDERS SPACING.
3. MINIMUM DISTANCE OF 3" REQUIRED.
4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
5. SUPPORTED STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS IN ADDITION TO OTHER LOADS.
6. MUST SHAVE SCREWS TO GALVANIZED STEEL. USE ALL NECESSARY PRECAUTIONS WHEN WELDING GALVANIZED STEEL.
7. ALL VELDTS SHALL BE PERFORMED BY A CERTIFIED VENDOR OR INSPECTED BY A CERTIFIED VENDOR TO INSPECT THE VENDOR TO INSPECT THE MOUNTING OF THE JAMB.
8. ALL VELDTS TO HAVE A STRAIGHT OR CONVEX FACE SURFACE
9. CLEAR VELDTS TO HIDE ANGLES AT SAME SPACING TO PREVENT RIB ATTACHMENT TO STRUCTURE

TRACK CONNECTION TO WOOD JAMB OPTIONS
FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1 ON PAGE 4

PRODUCT REVIEWED
As complying with the Florida Building Code
No. No.
17-0315.05
Approval Date
11/09/2017

Mamiha Product Control

MODEL 1000 AMARR 2432

### Table 1

| Height | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W |
| 10'    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 12'    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 14'    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 16'    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

All track attachments I = 1" allowed using SPD No. 2 or better only.