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 EPS Insulated Steel Sectional Garage Door up to 9'-2" Wide with Impact Resistant Windows

APPROVAL DOCUMENT: Drawing No. IBC-1009-195-15-F, titled “Model 1000 Amarr 2432”, sheets 1 through 3 of 3, dated 06/05/2017, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E. on 08/28/2018, 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: A permanent label with the manufacturer’s name or logo, 3800 Greenway Circle, Lawrence, KS 66046, 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.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

B. TESTS
   1. Addendum letter to Test Report No. ATLNC 0327.01-17, dated 09/05/2018, 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
      3) Large Missile Impact Test per FBC, TAS 201-94
      5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   3. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654-08 & 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 03/21/2018, 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. 17-1219.02 issued to Covestro, LLC for its Makrolon Polycarbonate Sheets, approved on 03/22/2018 and expiring on 08/27/20222.
   2. UL Evaluation Report No. UL ER7503-01 issued to Flint Hills Resources, LP for its Grades 54 and 40 EPS Resins, issued on 05/22/2013 and revised on 05/12/2014.

F. STATEMENTS

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 18-0504.05
Expiration Date: November 8, 2023
Approval Date: November 8, 2018
WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

2 X 6 VERTICAL JAMM ATTACHMENT TO WOOD FRAME STRUCTURE
2.0" x 3.0" long screws starting 6" from ends
Then 18" O.C. (1 1/2" embedment)

2.0" x 4.0" VERTICAL JAMM ATTACHMENT TO 4000 PSI CONCRETE
Hilti 1/4" x 2 3/4" Kwik Bolt starting 6" from ends
Then 24" O.C. (2 1/2" embedment)
Hilti sleeve anchor 3/8" x 2 1/4" starting 6" from end
Then 16" O.C. (1 1/4" embedment)

2.0" x 4.0" VERTICAL JAMM ATTACHMENT TO HOLLOW C-90 BLOCK (1500 PSI MIN)
SIMPSON 1/4" x 3.0" 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 Bolt x 4 screws starting 6" from ends, use pairs of fasteners (3" apart) at 8" O.C. (1 1/4" embedment)
2.0" x 4.0" VERTICAL JAMM ATTACHMENT TO GREIZED C-90 BLOCK (2500 PSI MIN)
Hilti sleeve anchor 3/8" x 2 3/4" starting 6" from ends
Then 20" O.C. (1 1/4" embedment)
(Or, use fasteners for hollow C-90 block)

*AAS and bolts can be countersunk to provide a flush mounting surface.
*Preparation of wood jambs by others.

PRODUCT APPROVED
and complying with the Florida Building Code
NDA No.: 18-0504.05
Approval Date: 11/08/2018
By: Miami-Dade Product Control

SPECIFICATIONS AND NOTES
1. All the load from the door is transferred to the vertical jambs. The horizontal jambs or headers receive no portion of the load transferred from the door.
2. Each vertical jamb receives maximum design loads of:
   - +252.6 Lbs/ft² and -295.6 Lbs/ft².
   - Each door header will be designed, manufactured and installed with standards as set forth by DASMA.
3. Door sections shall be 24 ga. (0.091) min. exterior skin rolled formed, 0.030 galvanized steel, 0.030 galvanized steel.
   - Door sections shall be 0.030 galvanized steel.
   - High tensile strength, 0.030 galvanized steel.
4. Supporting structural elements shall be designed by a registered professional engineer for wind loads.
5. Each vertical jamb shall be reinforced with the following:
   - Vertical jamb shall be reinforced with the following:
   - Vertical jamb shall be reinforced with the following:
   - Vertical jamb shall be reinforced with the following:
6. All the load from the door is transferred to the vertical jambs.

INTERIOR OF GARAGE
MAX. WIDTH 9'0"

MODEL 1000 AMARR 2432

SIZE
SWING HARDS
B
8'10" 8'10" 8'10" 10'0" 10'0" 10'0" 10'0" 10'0"

DESCRIPTION OF DESIGN
DATE
REV

TEST LOAD
85.7 PSI
88.8 PSI

LATE MODEL RESISTANCE

Amarr ENTRETIEN