Amarr Garage Doors dba Entrematic
125 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 2400 & 2000 Steel Sectional Garage Doors up to 16'-2" Wide

APPROVAL DOCUMENT: Drawing No. IBC-2416-180-26-I, titled “Model 2400 (24 GA), Model 2000 (20 GA)”, sheets 1 through 3 of 3, dated 05/30/2013, prepared by Amarr Garage Doors, signed and sealed by Tomas L. Shermerdney, P.E., bearing the Miami-Dade County Product Control renewal 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

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 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 renews NOA # 17-1010.10 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous NOA's

A. DRAWINGS "Submitted under NOA # 13-1113.02"
   1. Drawing No. IBC-2416-180-26-I, titled "Model 2400 (24 GA), Model 2000 (20 GA)", sheets 1through 3 of 3, dated 05/30/2013, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS "Submitted under NOA # 13-1113.02"
   1. Addendum to Test Report No. ATLNC 0618.01-13 prepared by American Test Lab, Inc., dated 08/19/2013, 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) Tensile Test per ASTM E8
      5) Forced Entry Resistance Test per FBC, TAS 202-94
      along with marked-up drawings and installation diagram of 16'2"x 8' 24 ga steel garage door Model 2400, prepared by American Test Lab, Inc., Test Report No.
      ATLNC 0618.01-13, dated 07/10/2013, signed and sealed by David W. Johnson, P.E.

C. CALCULATIONS "Submitted under NOA # 13-1113.02"
   1. Anchor calculations prepared by Structural Solutions, P.A., dated 08/20/2013, 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. None.

F. STATEMENTS "Submitted under NOA # 15-0505.18"

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 18-1128.06
Expiration Date: February 13, 2024
Approval Date: December 27, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUB

2. Evidence submitted under NOA # 17-1010.10

A. DRAWINGS
   1. None.

B. TESTS
   1. None.

C. CALCULATIONS
   1. None.

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

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 18-1128.06
Expiration Date: February 13, 2024
Approval Date: December 27, 2018
**SPECIFICATIONS AND NOTES**

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 door is hung with a portion of the load transferred from the floor.

2. Each vertical jamb receives maximum design loads of:
   - +303.78 kips per foot and -420.5 kips per foot.

3. Door and hardware are designed, manufactured, and installed in accordance with the Building Code and Florida Building Code.

4. Each section shall be a 24-ga. (0.020) minimum exterior skin rolled frame, galvanized or backed on polyester finish.

5. Doors up to 24' high use a 5' x 5' x 8' truss per section and each 20' tall on bottom and intermediate sections.

6. Supports and structural elements shall be designed by a registered professional engineer for wind loads.

7. Wood door trims are used on all vertical jambs designed to exceed the minimum requirements.

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**WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)**

1. **2 x 6 JAMB ATTACHMENT TO WOOD FRAME STRUCTURE:**
   - 5/16" x 2" lag screws starting 6" from ends (1" x 1½" quadrant)

2. **2 x 6 JAMB ATTACHMENT TO 2,000 PSI CONCRETE:**
   - 1½" x 4" lag screws (1½" quadrant)

3. **2 x 6 JAMB ATTACHMENT TO 3,000 PSI CONCRETE:**
   - 1½" x 4" lag screws (1½" quadrant)

4. **2 x 6 JAMB ATTACHMENT TO HOLLOW 2x8 BLOCKS:**
   - Simpson 1½" x 3" timber screws starting 6" from ends

5. **2 x 6 JAMB ATTACHMENT TO HOLLOW 2x10 BLOCKS:**
   - Use pairs of fasteners (3/8" aperture) at 8" o.c. (1½" quadrant)

6. **2 x 6 JAMB ATTACHMENT TO HOLLOW 2x12 BLOCKS:**
   - Use pairs of fasteners (3/8" aperture) at 8" o.c. (1½" quadrant)

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**REVERSE JAMB ATTACHMENT NOTES:**

- Anchors to be evenly spaced between the header and floor.
- First (bottom) anchor starting at no more than half of the height on header. Supports shall be installed at least as high as the door opening.
- Min. edge distance of 3" required.
- Use washers provided by the manufacturer.
- Supports shall be designed by a registered professional engineer for wind loads.
- Use a 30-ga. (0.020) minimum exterior skin rolled frame, galvanized or backed on polyester finish.
- Supports shall be designed by a registered professional engineer for wind loads.
- Use pairs of fasteners (3/8" aperture) at 1½" o.c.
### Table 1

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<th>A 12&quot;</th>
<th>B 15&quot;</th>
<th>C 18&quot;</th>
<th>D 24&quot;</th>
<th>E 30&quot;</th>
<th>F 36&quot;</th>
<th>G 42&quot;</th>
<th>H 48&quot;</th>
<th>I 54&quot;</th>
<th>J 60&quot;</th>
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**Product Renewed**

as complying with the Florida Building Code
N.O.A. No. 18-1128.06
Expiration Date 02/13/2024

By Miami-Dade Product Control

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**Table Configuration for Up to 24" Tall Doors**

See Table 1 on Page 3

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**Note:**
- Track attachment can be bracket mounted, inverted, or five bolt or four bolt configurations, as shown.
- All track brackets and track splices are attached to track splices and bolts as shown.
- Track brackets are for doors up to 24" wide.