Miami Rolling Doors, Corp.
276 W 24 Street
Hialeah, FL 33010

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 MRD-65 Steel Rolling Door up to 24’- 6 5/8” Wide

APPROVAL DOCUMENT: Drawing No. AD10-25, titled “Model MRD-65 Rolling Door (LMI)”, sheets 1 through 4 of 4, dated 09/14/2010, with revision 3 dated 07/20/2017, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, 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

LABELING: A permanent label with the manufacturer’s name or logo, manufacturing address, model/series 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 revises NOA # 15-0731.06 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.

NOA No. 17-0725.14
Expiration Date: December 30, 2020
Approval Date: October 26, 2017
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS
   1. Drawing No. AD10-25, titled “Model MRD-65 Rolling Door (LMI)”, sheets 1 through 4 of 4, dated 09/14/2010, with revision 3 dated 07/20/2017, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

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. 17-0725.14
Expiration Date: December 30, 2020
Approval Date: October 26, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS “Submitted under NOA #15-0731.06”
   1. Drawing No. AD10-25, titled “Model MRD-65 Rolling Door (LMI)”, sheets 1 through 4 of 4, dated 09/14/2010, with revision 2 dated 06/26/2015, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

B. TESTS “Submitted under NOA # 10-0928.08”
   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 A370-05,
      along with installation diagram of Series MRD-65 Garage Doors, prepared by Fenestration Testing Laboratory, Inc, Test Report No. FTL-6223, dated 08/31/2010, signed and sealed by Jorge A. Causo, P.E.

C. CALCULATIONS “Submitted under NOA #15-0731.06”
   1. Anchor verification calculations and structural analysis prepared by MCY Engineering, Inc, dated 07/15/2015, signed and sealed by Yiping Wang, P.E.

   “Submitted under NOA # 10-0928.08”

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

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS “Submitted under NOA #15-0731.06”
   2. Statement letter of no financial interest issued by MCY Engineering, Inc, dated 07/15/2015, signed and sealed by Yiping Wang, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 17-0725.14
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**GENERAL NOTES:**

- **TYPICAL ELEVATION**

- **HOOD - 24 GA.** (OPTIONAL)

- **SECTION**

- **DESIGN LOADS**
  - 65 PSF
  - 65 PSF

- **24" - 6/68" MAX. DOOR WIDTH**

- **STEEL SLIDE BOLTS (LATCH/HS) AND FASTENERS**

- **DOOR IMPACTED ON BOTH SIDES AND MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL. THE SLATS MAY BE INSTALLED CONCAVE SIDE FACING OUTSIDE OR INSIDE OF BUILDING**

- **DESIGN LOAD SHALL BE DETERMINED BASED ON BASIC WIND SPEED, BUILDING HEIGHT AND WIND ZONE USING APPLICABLE ASCE 7 STANDARD**

- **HOOD TO BE 24 GA. ASTM A653 DESIGNATION G - 90 FINISH TYPE COATING.**

- **ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBLEDIMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO**

- **ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.**

- **MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 6TH EDITION FLORIDA BUILDING CODE (2017) SECTION AS APPLICABLE.**

- **IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT VA & VY FORCES AT BOTH JAILS.**

- **ULTIMATE LOAD OBTAINED FROM ASCE T-10, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.**
## ANCHOR SPACING (INCHES)

<table>
<thead>
<tr>
<th>MAXIMUM DESIGN LOAD (PSF)</th>
<th>DOOR WIDTH (FT)</th>
<th>DESIGN SLIP (IN)</th>
<th>Vₓ (LB/FT)</th>
<th>Vᵧ (LB/FT)</th>
<th>MOUNTING 1</th>
<th>MOUNTING 2</th>
<th>MOUNTING 3</th>
<th>MOUNTING 4</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1/2&quot; Ø KWK BOLT</td>
<td>5/8&quot; Ø KWK BOLT</td>
<td>1/2&quot; Ø KWK BOLT</td>
<td>5/8&quot; Ø KWK BOLT</td>
<td>1/2&quot; MACHINE BOLT GRADE 2</td>
<td>5/8&quot; MACHINE BOLT GRADE 2</td>
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</table>

**TYPICAL ANCHORS @ JAMB:**

**TYPE A**
1/2" DIA, KWK BOLT 3, ANCHOR BY MILIT
DIRECTLY INTO 6"=6000 PSI OR 6/4=4000 PSI CONCRETE, 4" MIN EMBEDED.
MIN EDGE 6.5" @ MOUNTING 1
MIN EDGE 6" @ MOUNTING 2

**TYPE B**
5/8" DIA, KWK BOLTS BY MILIT
DIRECTLY INTO 6"=6000 PSI OR 6/4=4000 PSI CONCRETE
5 1/2" MIN. EMBEDED
MIN EDGE 6.5" @ MOUNTING 1
MIN EDGE 6" @ MOUNTING 2

**TYPE C**
1/2" DIA, MACHINE BOLTS (MIN. GRADE 2 CRS) W/ WASHER & NUTS
INTO STEEL 1/4" MIN. THICK STEEL, Fᵧ = 36 KSI MIN.

**TYPE D**
5/8" DIA, MACHINE BOLTS (MIN. GRADE 2 CRS) W/ WASHER & NUTS
INTO STEEL 1/4" MIN. THICK STEEL, Fᵧ = 56 KSI MIN.

**TYPE E**
3/16" WELDS ELECTRODE E70
3/16" X 1" WELD AT EACH SIDE OF STEEL ANGLE

**PRODUCT REVISED**
As complying with the Florida Building Code NOA-No. 17-0725.14
Expiration Date 12/30/2020
By Miami-Dade Product Control
# Bill of Materials

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>QTY.</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>MANUFACTURER/REMARKS</th>
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<tbody>
<tr>
<td>A</td>
<td>AS REQD</td>
<td>22 GA FLAT SLAT</td>
<td>GALVANIZED STEEL OR STAINLESS STEEL</td>
<td>ASTM A465 Fy = 50 KSI OR STAINLESS STEEL ASS'N 20H Fy = 80KSI</td>
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<td>B</td>
<td>AS REQD</td>
<td>INSULATED FLAT SLAT</td>
<td>EXP. POLYTHENE</td>
<td>DARA 20H</td>
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<tr>
<td>C</td>
<td>EVERY OTHER SLAT</td>
<td>11 GA WINDL 0CKS</td>
<td>PLATED STEEL</td>
<td>ASTM A36 MIN.</td>
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<td>D</td>
<td>2 PER FRAME</td>
<td>3 x 3 x 1/4&quot; STEEL ANGLE</td>
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<td>ASTM A36 MIN.</td>
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<tr>
<td>F</td>
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<td>2 x 3 x 1/4&quot; STEEL ANGLE</td>
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<td>D' FROM BOTTOM AND 1/2&quot; O.C.</td>
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<tr>
<td>2</td>
<td>AS REQD</td>
<td>3/4&quot; x 3/4&quot; CONTINUOUS SOLID STEEL WINDBAR</td>
<td>STEEL ASTM A36 MIN.</td>
<td>3/4&quot; x 1&quot; WELDED TO TRACK EACH SIDE @ 12 O.C.</td>
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<td>3</td>
<td>AS REQD</td>
<td>1/2&quot; x 1 1/4&quot; CONTINUOUS SOLID STEEL WINDBAR</td>
<td>STEEL ASTM A36 MIN.</td>
<td>3/4&quot; x 1&quot; WELDED TO TRACK EACH SIDE @ 12 O.C.</td>
</tr>
</tbody>
</table>

**INTERLOCKING SLATS W/ WINDLOCKS @ EVERY OTHER SLAT**

**PRODUCT REVISED**

as complying with the Florida Building Code

NOCR-No. 17-9726.14

Expiration Date 12/30/2020

By Miami-Dade Product Control