Cornell Iron Works, Inc.
24 Elmwood Avenue
Mountaintop, PA 18707

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: Insulated Steel Rolling Door up to 12'-5" Wide (80 FPS Impact)

APPROVAL DOCUMENT: Drawing No. ES-16-54-CIW, titled “12'-5" Wide 65 PSF 80 FPS Insulated Rolling Steel Door”, sheets 1 through 5 of 5, dated 03/30/2015, prepared by The Cookson Company, dated 01/12/18, signed and sealed by Shawn Patrick Kelley, 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, one of the 3 manufacturing addresses on drawings, 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 revises NOA # 15-0504.04 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. 18-0125.15
Expiration Date: July 9, 2020
Approval Date: April 26, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’s

A. DRAWINGS “Submitted under NOA # 15-0504.04”
   1. Drawing No. ES-16-54-CIW, titled “12’-5” Wide 65 PSF 80 FPS Insulated Rolling Steel Door”, sheets 1 through 5 of 5, dated 03/30/2015, prepared by The Cookson Company, signed and sealed by Joseph H. Dixon, Jr., P.E.

B. TESTS “Submitted under NOA # 15-0504.02”
   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 (Level ‘E’)
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   4) Forced Entry Test, per FBC, TAS 202-94
   5) Tensile Test per ASTM E8-08,

C. CALCULATIONS “Submitted under NOA # 15-0504.02”
   1. Calculations prepared by Joseph H. Dixon, Jr., P.E., dated 04/03/2015, signed and sealed by Joseph H. Dixon, Jr., 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 # 15-0504.04”
   1. Private label agreement dated 03/23/2015.

   “Submitted under NOA # 15-0504.02”
   3. Statement letter of no financial interest issued by Joseph H. Dixon, Jr., P.E., dated 04/14/2015, signed and sealed by Joseph H. Dixon, Jr., P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 18-0125.15
Expiration Date: July 9, 2020
Approval Date: April 26, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS
   1. Drawing No. ES-16-54-CIW, titled “12'-5" Wide 65 PSF 80 FPS Insulated Rolling Steel Door”, sheets 1 through 5 of 5, dated 03/30/2015, prepared by Cornell Iron Works, Inc., dated 01/12/18, signed and sealed by Shawn Patrick Kelley, P.E.

B. TESTS
   1. None.

C. CALCULATIONS “Submitted under NOA # 18-0125.07”
   1. Calculations prepared by moment ENGINEERING + DESIGN, LLC, dated 01/12/2018, signed and sealed by Shawn Patrick Kelley, P.E.

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. 18-0125.15
Expiration Date: July 9, 2020
Approval Date: April 26, 2018
HOOD
#24 GA MINIMUM
GALVANIZED OR
STAINLESS STEEL

ROLL-UP MECHANISM NOT INCLUDED IN THIS
APPROVAL. MUST BE CERTIFIED BY AN
INDEPENDENT TESTING AGENCY IF REQUIRED.

OPERATION:
PUSH-UP
CHAIN
(SHOWN)
CRANK
MOTOR
BRACKET

1 SLAT
2 GUIDE ASSEMBLY
3 GUIDE ASSEMBLY
4 BOTTOM BAR
SLIDE BOLT
SEE NOTE 11

CLEAR OPENING HEIGHT
30” MAXIMUM

OPTIMUM HEIGHT

OPENING WIDTH
12”- 5” DISTANCE BETWEEN GUIDES (D.B.G.)

GUIDE SETBACK Varies
1/2” STANDARD

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 18-0125.15
Expiration Date 07/09/2020

MIA MI-DADE COUNTY APPROVED
12”-5” WIDE 65 PSF 80 FPS
INSULATED ROLLING STEEL DOOR

24 ELWOOD AVE 1901 S LITCHFIELD RD
MIAMI DADE COUNTY, FL
GOODYEAR, AZ
800 TULIP DRIVE
GASTONIA, NC

P: 800.233.9366
F: 800.026.0841
E: ADS@COR NELL IRON.COM

Jan 12 2018

NOTES:
1. THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLORIDA
BUILDING CODE, AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.
2. POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE
PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH ASCE 7 MINIMUM DESIGN
LOADS FOR BUILDINGS AND OTHER STRUCTURES. WIND LOADS DETERMINED FOR
OPENINGS SHALL BE LESS THAN OR EQUAL TO DOOR DESIGN PressURES NOTED
BELOW.
3. THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS
TESTED FOR UNIFORM STATIC AIR PRESSURE IN CONFORMANCE WITH DADE
COUNTY PROTOCOLS TAS 201, 202 AND 203.
4. DESIGN LOAD = E 65 PSF
NEGATIVE DESIGN LOAD = E 65 PSF
5. TESTING PERFORMED BY ARCHITECTURAL TESTING, INC. (YORK, PENNHSLANNA)
TEST REPORT No. D2982.01-109-18.
6. SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS F1,
F2, AND F3 HEREIN. CONTRACTORS SHALL HAVE FLORIDA REGISTERED
PROFESSIONAL ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST
SUPERIMPOSED LOAD F1, F2, AND F3.
7. ANCHOR NOTES:
A. EMBEDMENT DEPTH DOES NOT INCLUDE STUCCO FINISH.
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS
SPECIFICATIONS.
8. FOAMED IN PLACE INSULATION, TESTED IN ACCORDANCE WITH ASTM E-84 AND
D-1965 OR MINERAL WOOL INSULATION.
9. DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL.
10. A 3% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF
THIS PRODUCT.
11. SLIDE BOLTS ARE NOT REQUIRED FOR WINDLOAD RESISTANCE. SLIDE BOLTS
ARE ONLY REQUIRED ON PUSH UP OPERATED UNITS FOR FORCED ENTRY
RESISTANCE. LOCKING IS TO BE PROVIDED BY OTHERS OR AS CYLINDER LOCKS BY
CORNELL IRON WORKS.
12. ENDLOCK/WINDLOCKS AND WINDLOCKS ARE SECURED TO EACH END OF
ALTERNATING SLATS WITH 3 1/4” RIVETS PER END RESULTING IN CONTINUOUS SLAT
WINDLOCK SUPPORT.
13. GUIDE ASSEMBLY AND BOTTOM BAR ARE TO BE PROTECTED FROM CORROSION
WITH POLYESTER POWDER COATING WHEN NOT MINIMUM 090 GALVANIZED STEEL,
OR STAINLESS STEEL.
ENDLOCK / WINDLOCK DETAIL
FERRITIC MALLEABLE IRON, PER ASTM A47, GRADE 32510
OR DUCTILE IRON PER ASTM A638, GRADE 65-45-12, GALVANIZED
IN ACCORDANCE WITH ASTM A153, G90 ZINC-COATING.
1/2 SCALE

WINDLOCK DETAIL
CAST MALLEABLE IRON, ASTM A47, GRADE 32510, OR
DUCTILE IRON, PER ASTM A638, GRADE 65-45-12, GALVANIZED
IN ACCORDANCE WITH ASTM A153, GRADE 65 ZINC-COATING.
1/2 SCALE

BRACKET MOUNTING DETAIL
0.172 MIN. THICKNESS
* 2" EXTENSION WHEN 8" AND LARGER SHAFT ASSEMBLY IS SUPPLIED
1/4 SCALE

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 18-0125.15
Expiration Date 07/09/2020
By Miami-Dade Product Control
CONCRETE FASTENER SPACING

<table>
<thead>
<tr>
<th>CONCRETE STRENGTH (psi)</th>
<th>MAXIMUM FASTENER SPACING (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HILTI</td>
</tr>
<tr>
<td>2000</td>
<td>16</td>
</tr>
<tr>
<td>3000</td>
<td>16</td>
</tr>
<tr>
<td>4000</td>
<td>16</td>
</tr>
</tbody>
</table>

EXISTING CONCRETE STRUCTURE MIN. 2000 PSI

5 1/2 MINIMUM EDGE DISTANCE

EXISTING STEEL STRUCTURE

5 1/2 MINIMUM EDGE DISTANCE

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 18-0125.15
Expiration Date 07/09/2020

By Miami-Dade Product Control

EXISTING FILLED BLOCK STRUCTURE MIN. 1500 PSI

COMPRESSIVE STRENGTH

CONCRETE STRUCTURE (Z-GUIDE)

5/8" HILTI KWIK BOLT 3
3-3/4" MINIMUM EMBEDMENT
OR
5/8" SIMPSON WEDGE-ALL
3-3/4" MINIMUM EMBEDMENT
OR
5/8" ITW REDHEAD TRUBOLT
4-5/8" MINIMUM EMBEDMENT
(SEE TABLE FOR SPACING)

OPTIONAL STEEL MOUNTING

EXISTING STEEL STRUCTURE

(WELD ENTIRE PERIMETER OF SLOT)

5/8" HILTI KWIK BOLT 3
3-3/4" MINIMUM EMBEDMENT
AT 8" O.C. SPACING

GUIDE ASSEMBLY CONCRETE STRUCTURE (Z-GUIDE)

GUIDE ASSEMBLY STEEL STRUCTURE (Z-GUIDE OR E-GUIDE)

GUIDE ASSEMBLY STEEL STRUCTURE (Z-GUIDE OR E-GUIDE)

(WELD ENTIRE PERIMETER OF SLOT)

GUIDE ASSEMBLY FILLED BLOCK STRUCTURE (Z-GUIDE)

CONCRETE STRUCTURE (Z-GUIDE)

BY: TJE 1614

Dwg No. ES-16-54-CIW

12'-5" Wide 65 PSF 80 FPS Insulated Rolling Steel Door

MiamlDade County Approved

Jan 12 2018
EXISTING STEEL STRUCTURE
OPENING WIDTH
SLIP 0.532
12'-5" MAX. D.B.G.
3/4"
GUIDE ASSEMBLY
STEEL STRUCTURE
(BETWEEN JAMBS GUIDE)
FOOT OF HEIGHT)
POSITIVE NEGATIVE
F1 F2 F3 F1 F2 F3
1102 690 371 1021 1434 371
E-GUIDE
POSITIVE NEGATIVE
F1 F2 F3 F1 F2 F3
1683 1271 371 1211 1824 371
BETWEEN JAMBS GUIDE
POSITIVE NEGATIVE
F1 F2 F3 F1 F2 F3
609 238 413 3058 2887 413
BUILDING DESIGNER NOTE:
STRUCTURE MUST BE DESIGNED TO SUPPORT F1, F2, AND F3 FORCES (LBS./FT. OF OPENING HEIGHT) AT EACH JAMB.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 18-0125.15
Expiration Date 07/09/2020
By
Miami-Dade Product Control

UNRECOMMENDED WIND FORCES ON BUILDING STRUCTURE (LBS / FOOT

1/2-13 SAE GR. 5, SAE GR. 8,
ASTM A325 OR A490 HEX HEAD BOLT,
1/2-13 NUT AND 3/8" HARDENED FLAT WASHERS AT 18" O.C.

COIL DIMENSION
SHAFT ASSEMBLY
COIL DIMENSION STA. 2
BRACKET MOUNTING / TOP WALL ANGLE FASTENING
BRACKET MOUNTING PER DETAIL 7 DEPICTED. OTHER BRACKET MOUNTINGS ARE AVAILABLE
SCALE: NT5

BRACKET PACKOFF
BRACKET MOUNTING HARDWARE
WALL ANGLE OR EXISTING STRUCTURE FOR BETWEEN JAMBS
Z OR E GUIDE
BETWEEN JAMBS GUIDE
CORNER SAFE AND SECURE

MIA MIA DE DE COUNTY APPROVED
12'-5" WIDE 65 PSF 80 FPS
INSULATED ROLLING STEEL DOOR

DATE: JAN 2 2018