

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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: Steel Rolling Door up to 14ft-5in Wide (80 FPS Impact)

APPROVAL DOCUMENT: Drawing No. **ES-16-56-CIW**, titled "14'-5" Wide 65 PSF 80 FPS Non-Insulated Rolling Steel Door", sheets 1 through 6 of 6, dated 09/10/2014, with revision **B** dated 01/23/2020, prepared by Cornell Iron Works, Inc., signed and sealed by Shawn Patrick Kelley, P.E. on 03/18/2020, 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 2 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 # 20-0416.17 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.

MIAMI-DADE COUNTY
APPROVED

NOA-No. 20-0625.07 Expiration Date: July 9, 2025 Approval Date: December 10, 2020

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS "Submitted under NOA # 15-0112.06"

1. Drawing No. **ES-16-56-CIW**, titled "14'-5" Wide 65 PSF 80 FPS Non-Insulated Rolling Steel Door", sheets 1 through 6 of 6, dated 09/10/2014, with revision **A** dated 03/27/2015, prepared by Cornell Iron Works, Inc., signed and sealed by Joseph Dixon, Jr., P.E.

B. TESTS "Submitted under NOA # 15-0112.04"

- 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,

along with marked-up drawings and installation diagram of C20 Roll-up Garage Doors, prepared by Intertek/Architectural Testing, Inc., compliance letter and Test Report No. **D1278.01-109-18**, dated 01/29/2014, with revision 1 dated 03/25/2015, signed and sealed by Michael D. Stremmel, P.E.

2. Test report on Salt Spray Performance Test per ASTM B117-09 of G90 unpainted and G40 painted samples, prepared by Intertek, compliance letter and Test Report No. **G100075502MID-002**, dated 05/26/2010, signed and sealed by Rick Curkeet, P.E.

C. CALCULATIONS "Submitted under NOA # 15-0112.04"

1. Calculations prepared by Joseph H. Dixon, Jr., P.E., dated 10/03/2014, 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 # 15-0112.06"

- 1. Private label agreement dated 12/11/2014.
- 2. Statement letter of code conformance to 2010 and 5th edition (2014) FBC issued by Joseph H. Dixon, Jr., P.E., dated 01/03/2015, signed and sealed by Joseph H. Dixon, Jr., P.E. "Submitted under NOA # 15-0112.04"
- 3. Statement letter of no financial interest issued by Joseph H. Dixon, Jr., P.E., dated 01/03/2015, signed and sealed by Joseph H. Dixon, Jr., P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 20-0625.07
Expiration Date: July 9, 2025
Approval Date: December 10, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA # 20-0416.17

A. DRAWINGS

1. Drawing No. **ES-16-56-CIW**, titled "14'-5" Wide 65 PSF 80 FPS Non-Insulated Rolling Steel Door", sheets 1 through 6 of 6, dated 09/10/2014, with revision **B** dated 01/23/2020, prepared by Cornell Iron Works, Inc., signed and sealed by Shawn Patrick Kelley, P.E. on 03/18/2020.

B. TESTS

1. None.

C. CALCULATIONS "Submitted under NOA # 18-0125.02"

 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

- 1. Statement letter of code conformance to FBC6th Edition (2017) and of no financial interest, dated March 21, 2020, issued by Moment Engineering+ Design, LLC, signed and sealed by Shawn Patrick Kelley, PF
- 2. Private label agreement dated 02/27/2020.

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

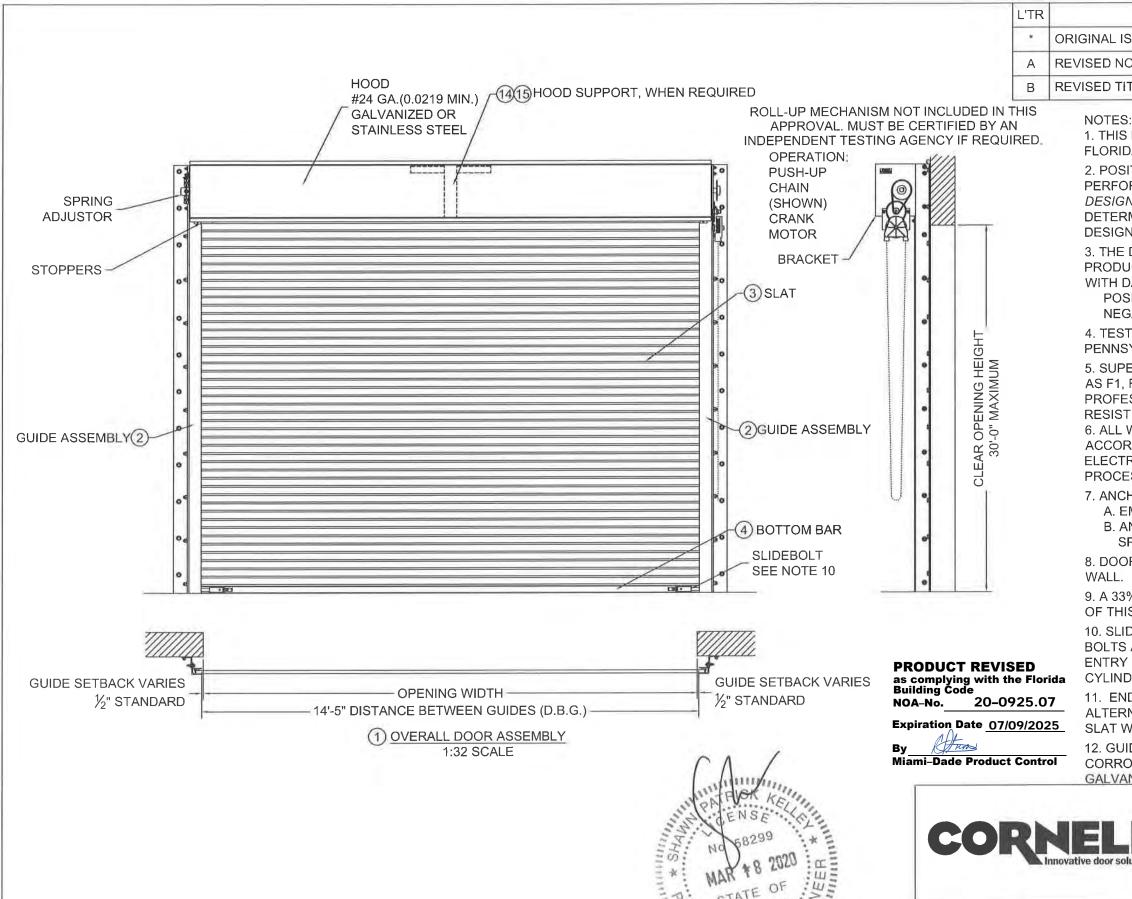
E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to FBC7th Edition (2020) and of no financial interest, dated August 12, 2020, issued by Moment Engineering + Design, LLC, signed and sealed by Shawn Patrick Kelley, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 20-0625.07
Expiration Date: July 9, 2025
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BY E.C.O. DATE REVISION 09/10/2014 1614 **ORIGINAL ISSUE** 03/27/2015 TJE 1614 **REVISED NOTES** REVISED TITLE BLOCK: HOOD SUPPORT UPDATE 01/23/2020 MAN 2026

- 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.

POSITIVE DESIGN LOAD = 65 PSF NEGATIVE DESIGN LOAD = 65 PSF

- 4. TESTING PERFORMED BY ARCHITECTURAL TESTING, INC. (YORK, PENNSYLVANIA) TEST REPORT No. D1278.01-109-18.
- 5. 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 FI, F2, AND F3.
- 6. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO AWS A5.1, GRADE E-70. MINIMUM WELDING PROCESS SHALL BE ARC WELDING AWS E7014 OR MIG WELDING AWS ER70S-6.
- 7. ANCHOR NOTES:
 - A. EMBEDMENT DEPTH DOES NOT INCLUDE STUCCO FINISH
 - B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- 8. DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR
- 9. A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.
- 10. 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.
- 11. 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.
- 12. GUIDE ASSEMBLY AND BOTTOM BAR ARE TO BE PROTECTED FROM CORROSION WITH POLYESTER POWDER COATING WHEN NOT MINIMUM G90 GALVANIZED STEEL OR STAINLESS STEEL



24 ELMWOOD AVE 1901 S. LITCHFIELD RD Unless otherwise specified, MOUNTAINTOP, PA GOODYEAR, AZ

dimensions are in inches & tolerances are:

P: 800.233.8366 F: 800.526.0841

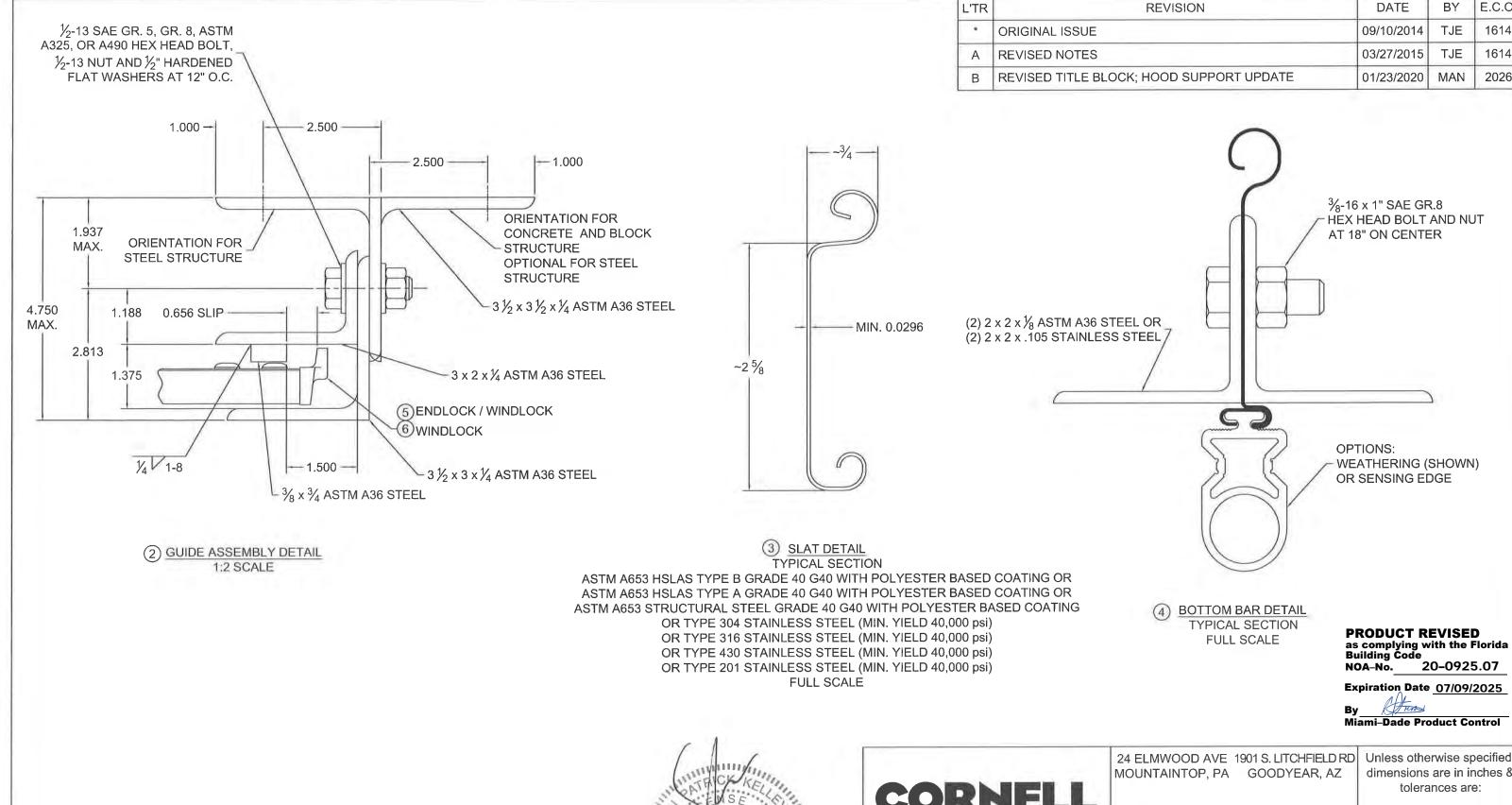
E: ADS@CORNELLIRON.COM

0.000 = +/- 0.031FRACTIONAL = +/- 1/32ANGLES = +/- 1/2 DEG

TITLE: MIAMI DADE COUNTY APPROVED 14'-5" WIDE 65 PSF 80 FPS NON-INSULATED ROLLING STEEL DOOR

SIZE: SCALE: SHEET DRAWN BY: AS NOTED 1/6 DWG NO:

ES-16-56-CIW



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20-0925.07

BY

TJE

TJE

MAN

E.C.O.

1614

1614

2026

0.000 = +/-0.031FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG

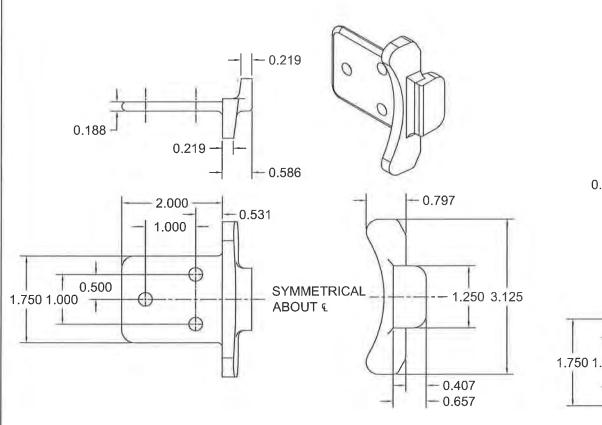
TITLE: MIAMI DADE COUNTY APPROVED 14'-5" WIDE 65 PSF 80 FPS NON-INSULATED ROLLING STEEL DOOR

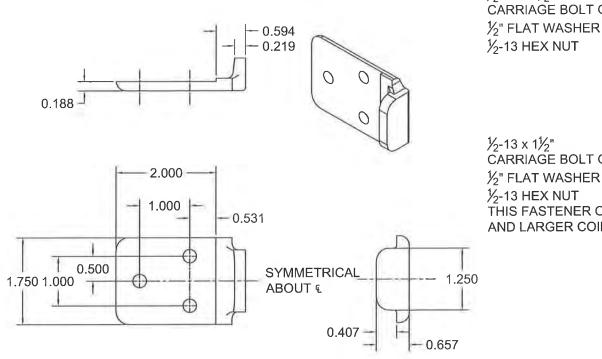
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SCALE: SHEET SIZE: AS NOTED 2/6 В

DWG NO:

ES-16-56-CIW





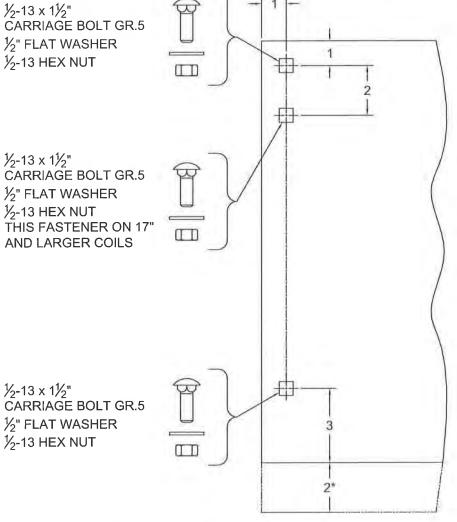
6 WINDLOCK DETAIL

CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR

ACCORDANCE WITH ASTM A123, GRADE 85 ZINC-COATING

1/2 SCALE

½-13 x 1½" CARRIAGE BOLT GR.5 1/2" FLAT WASHER DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN $\frac{1}{2}$ -13 HEX NUT



(5) ENDLOCK / WINDLOCK DETAIL CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN ACCORDANCE WITH ASTM A123, GRADE 85 ZINC-COATING 1/2 SCALE

> **PRODUCT REVISED** as complying with the Florida Building Code NOA-No. 20-0925.07

> Expiration Date 07/09/2025

Hum Miami-Dade Product Control (7) BRACKET MOUNTING DETAIL 0.172 MIN. THICKNESS

REVISION

REVISED TITLE BLOCK; HOOD SUPPORT UPDATE

* 2" EXTENSION WHEN 8" AND LARGER SHAFT ASSEMBLY IS SUPPLIED 1/4 SCALE





L'TR

ORIGINAL ISSUE

REVISED NOTES

%" FLAT WASHER ½-13 HEX NUT

AND LARGER COILS

24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ

Unless otherwise specified, dimensions are in inches & tolerances are:

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0.000 = +/-0.031FRACTIONAL = +/- 1/32 ANGLES = +/- 1/2 DEG

TITLE: MIAMI DADE COUNTY APPROVED 14'-5" WIDE 65 PSF 80 FPS NON-INSULATED ROLLING STEEL DOOR

DRAWN BY: SIZE: TJE DWG NO:

SCALE: SHEET: AS NOTED 3/6

ES-16-56-CIW

DATE

09/10/2014

03/27/2015

01/23/2020

BY

TJE

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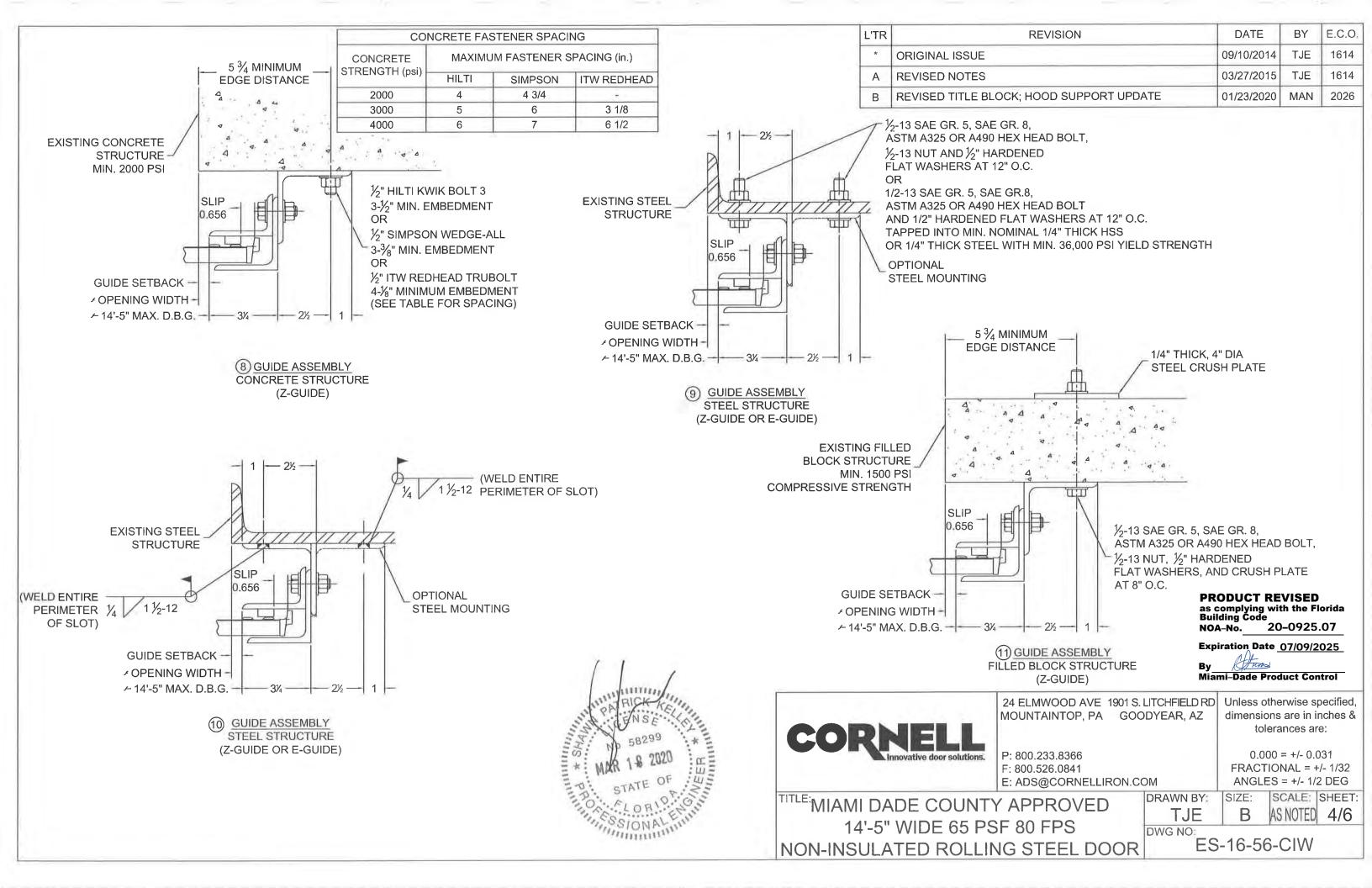
MAN

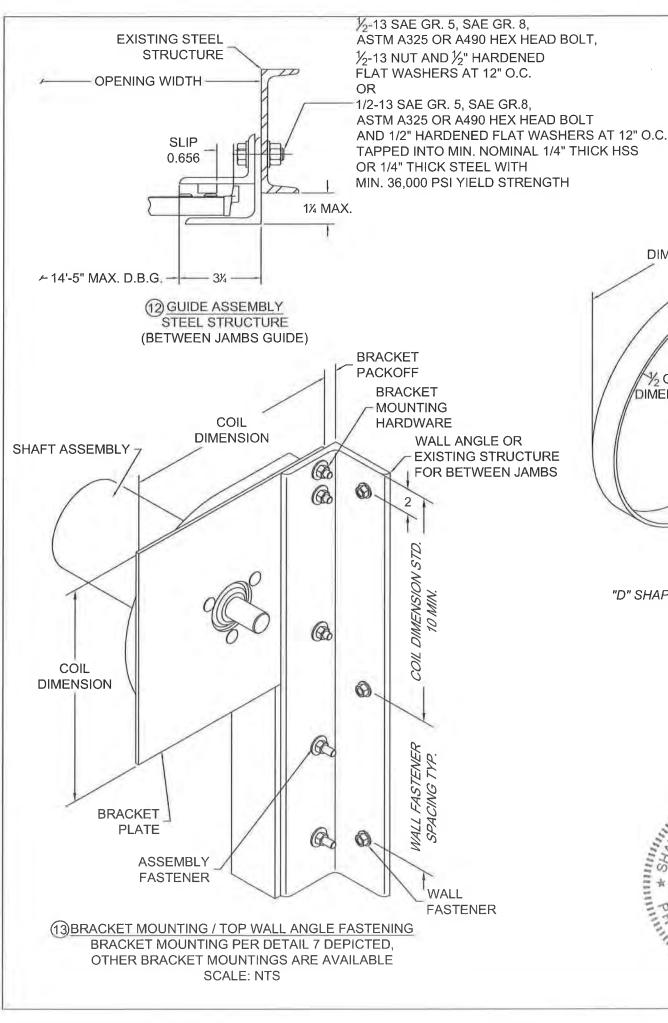
E.C.O.

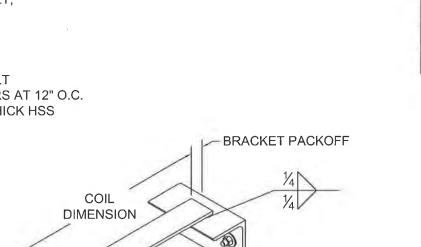
1614

1614

2026







ASTM A36 STEEL % WEDGE ANCHOR, SLEEVE ANCHOR, OR THRU BOLT FOR CONCRETE STRUCTURE 3/8-16 x 1" HEX HEAD CAP SCREW OR WELD FOR STEEL STRUCTURE TYP. AT (2) SLOTS

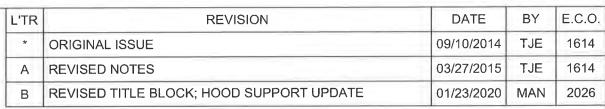
 $4 \times 3 \times \frac{1}{4} \times 6 \text{ LONG}$

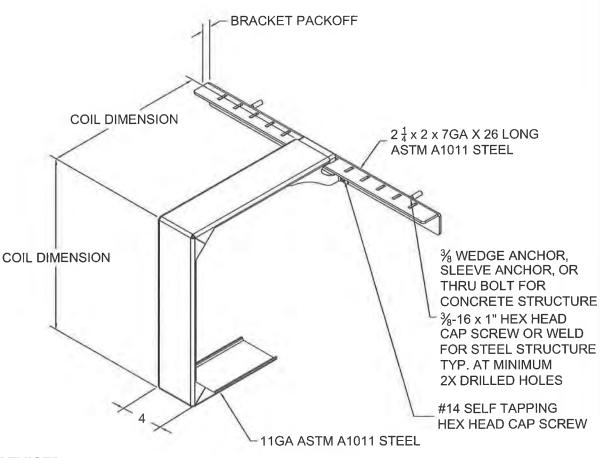
3/8 x 2 ASTM A36 STEEL OVER 19" COIL (14) MID-HOOD SUPPORT

1/2 x 2 ASTM A36 STEEL THRU 19" COIL

(WHEN REQUIRED) "D" SHAPE DEPICTED, SQUARE STYLE ALSO AVAILABLE SCALE: NTS

1/2 COIL DIMENSION





PRODUCT REVISED
as complying with the Florida
Building Code 20-0925.07 NOA-No. Expiration Date 07/09/2025

Miami-Dade Product Control

SCALE: NTS

P: 800.233.8366



24 ELMWOOD AVE 1901 S. LITCHFIELD RD Unless otherwise specified, MOUNTAINTOP, PA GOODYEAR, AZ

15 MID-HOOD SUPPORT (WHEN REQUIRED)

SQUARE STYLE DEPICTED, "D" SHAPE ALSO AVAILABLE

dimensions are in inches & tolerances are: 0.000 = +/-0.031

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FRACTIONAL = \pm 1/32 ANGLES = +/- 1/2 DEG

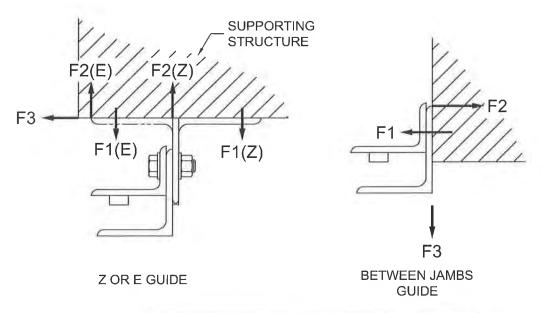
TITLE: MIAMI DADE COUNTY APPROVED 14'-5" WIDE 65 PSF 80 FPS

DRAWN BY: SIZE: TJE DWG NO

SCALE: SHEET: AS NOTED 5/6 В

ES-16-56-CIW

NON-INSULATED ROLLING STEEL DOOR



UNREDUCED WIND FORCES ON								
BUILDING STRUCTURE (LBS / FOOT								
OF HEIGHT)								
Z-GUIDE								
POSITIVE			NEGATIVE					
F1	F2	F3	F1	F2	F3			
1986	1508	1913	3156	3634	1913			
E-GUIDE								
POSITIVE			NEGATIVE					
F1	F2	F3	F1	F2	F3			
6517	6039	1913	6338	6816	1913			
BETWEEN JAMBS GUIDE								
POSITIVE			NEGATIVE					
F1	F2	F3	F1	F2	F3			
3745	1832	478	8004	6091	478			
BUILDING DESIGNER NOTE:								

STRUCTURE MUST BE DESIGNED TO SUPPORT F1, F2, AND F3 FORCES (LBS./FT. OF OPENING HEIGHT) AT EACH JAMB.



j	L'TR	REVISION	DATE	BY	E.C.O.
	*	ORIGINAL ISSUE	09/10/2014	TJE	1614
	Α	REVISED NOTES	03/27/2015	TJE	1614
	В	REVISED TITLE BLOCK; HOOD SUPPORT UPDATE	01/23/2020	MAN	2026

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24 ELMWOOD AVE 1901 S. LITCHFIELD RD MOUNTAINTOP, PA GOODYEAR, AZ

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Unless otherwise specified,

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TITLE: MIAMI DADE COUNTY APPROVED 14'-5" WIDE 65 PSF 80 FPS NON-INSULATED ROLLING STEEL DOOR

DRAWN BY: TJE DWG NO:

SIZE:

AS NOTED 6/6 В

ES-16-56-CIW