



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

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/pera/

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 PERA -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. PERA 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 Roll-up Door up to 12'-5" Wide

APPROVAL DOCUMENT: Drawing No. **ES16-36**, titled "Dade County Approved 12'-5" wide 60 psf Insulated Rolling Steel Door", sheets 1 and 2 of 2, dated 04/10/2008, with revision C dated 09/23/2010, prepared by Cornell Iron Works, Inc, signed and sealed by Joseph H. Dixon, Jr., 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 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 # 10-1013.08 and 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.**



Signature
04/10/2012

NOA No. 12-0206.11
Expiration Date: July 17, 2013
Approval Date: April 19, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS** *“Submitted under NOA # 10-1013.08”*
1. Drawing No. **ES16-36**, titled “Dade County Approved 12’-5” wide 60 psf Insulated Rolling Steel Door”, sheets 1 and 2 of 2, dated 04/10/2008, with revision C dated 09/23/2010, prepared by Cornell Iron Works, Inc, signed and sealed by Joseph Dixon Jr; P.E.
- B. TESTS** *“Submitted under NOA # 10-1013.08”*
1. Test reports on 1000 hours of Salt Spray per ASTM B117 of G-90 and G-40 painted samples, prepared by Intertek, Test Report No. **G100075502**, dated 05/26/2010, signed and sealed by Rick Curkeet, P.E.
- “Submitted under NOA # 09-0218.10”*
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 E 8-01,
Along with marked-up drawings and installation diagram of Thermiser Rolling Steel Garage Doors, prepared by Architectural Testing, Inc., Test Report No. **79232.01-109-18**, dated 02/25/2008, signed and sealed by Michael D. Stremmel, P.E.
- “Submitted under NOA # 08-0425.10”*
3. Test reports on Surface Burning Characteristics of Plastics per ASTM D 1929 and E 84 of Polyurethane Foam, prepared by ETC Laboratories, Test Report No. **ETC-07-1071-18738.0**, dated 03/26/2007, signed and sealed by Joseph L. Doldan, P.E.
- C. CALCULATIONS** *“Submitted under NOA # 10-1013.08”*
1. Between-jamb guide anchoring calculations and structural analysis, dated 10/10/2010, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E.
 2. Anchoring calculations and structural analysis, dated 02/10/2009, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E. *“Submitted under NOA # 09-0218.10”*
- D. QUALITY ASSURANCE**
1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)
- E. MATERIAL CERTIFICATIONS**
1. None.
- F. STATEMENTS**
1. Statement letter of code conformance to 2010 FBC, dated 01/25/2012, signed and sealed by Joseph H. Dixon, Jr., P.E.
 2. Statement letter of no financial interest, dated 10/11/2010, signed and sealed by Joseph H. Dixon, Jr., P.E. *“Submitted under NOA # 10-1013.08”*

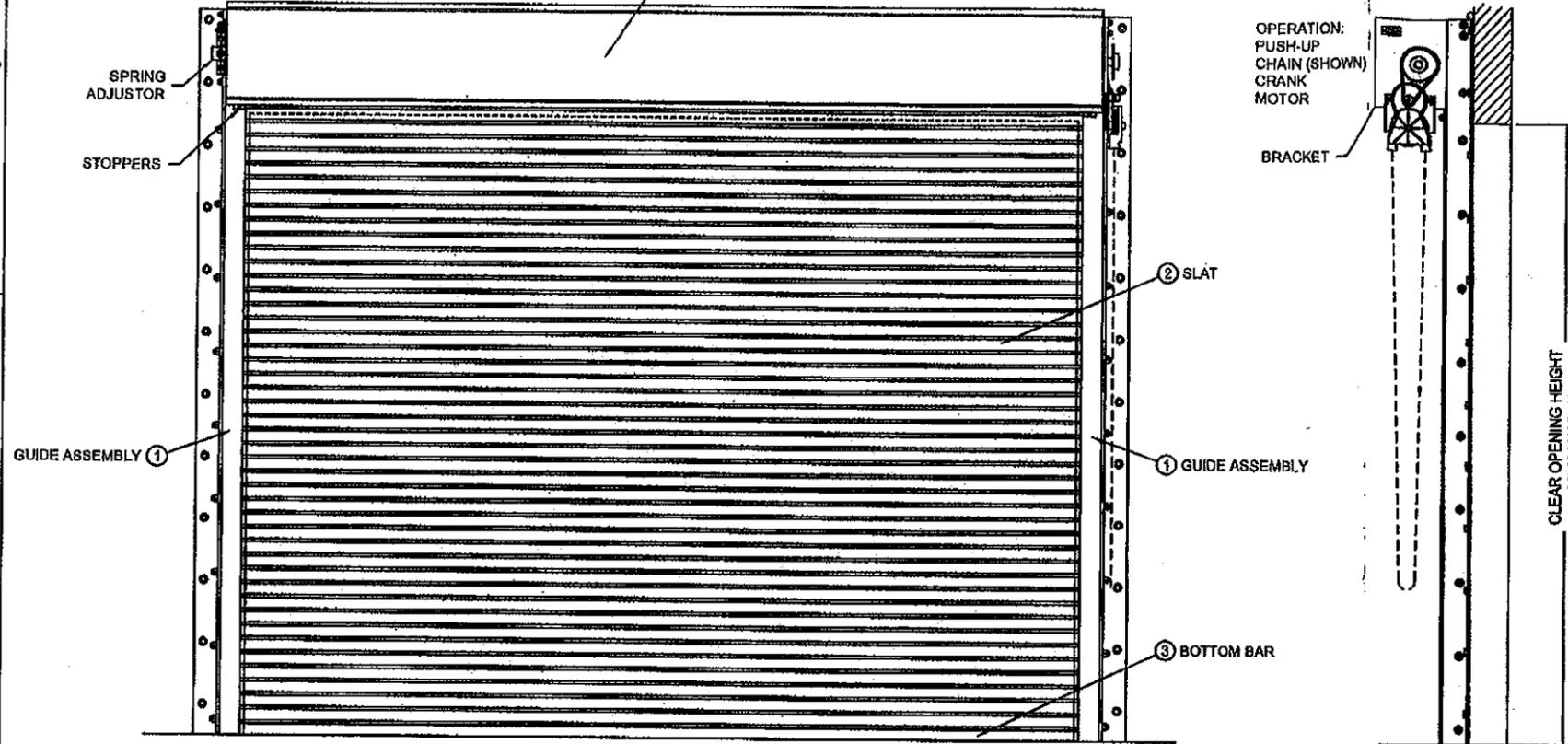


Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0206.11
Expiration Date: July 17, 2013
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HOOD
#24 GA. MINIMUM
GALVANIZED OR
STAINLESS STEEL

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

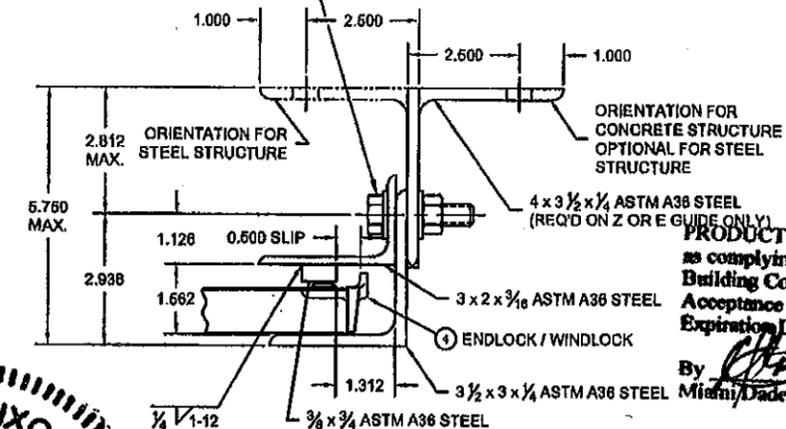
LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	04/10/2003	R.M.	*
A	REVISED NOTE SECTION PER DADE COUNTY LETTER	08/02/2008	R.M.	*
B	ADDED OPTIONAL ZEE GUIDE MOUNTING TO STEEL	12/04/2009	R.M.	*
C	REVISED CURTAIN TO G40 GALVANIZED	09/23/2010	R.M.	*



OPERATION:
PUSH-UP
CHAIN (SHOWN)
CRANK
MOTOR

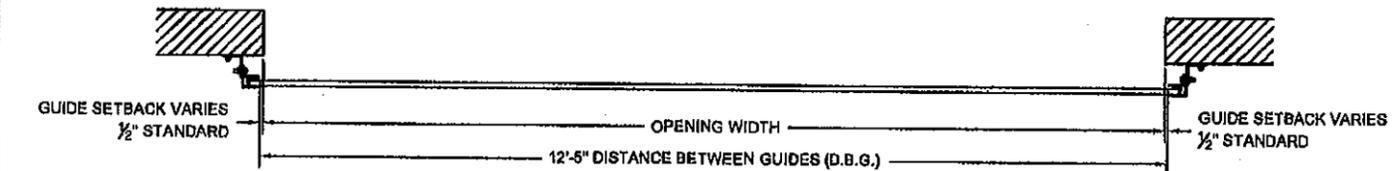
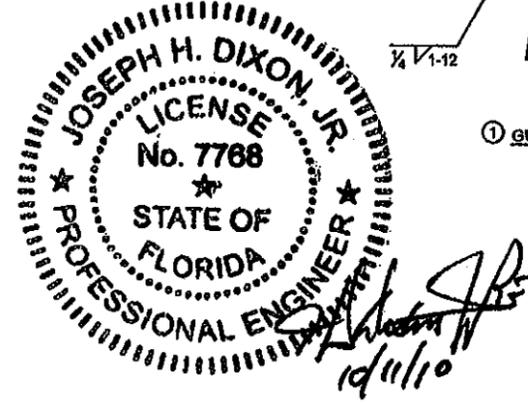
BRACKET

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

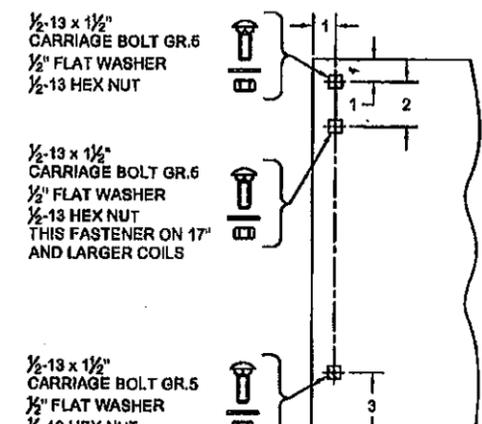
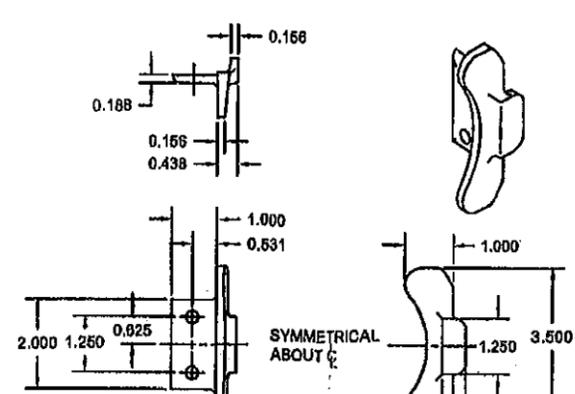
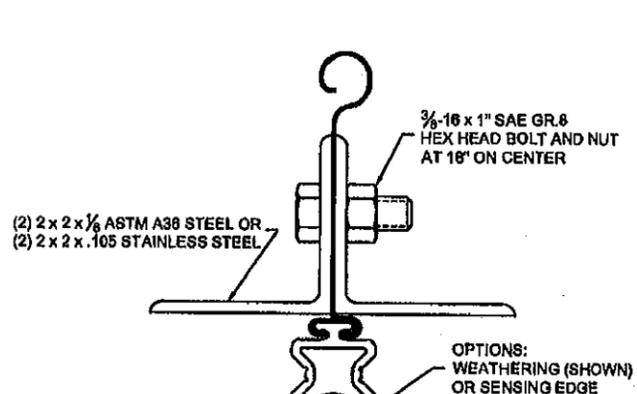
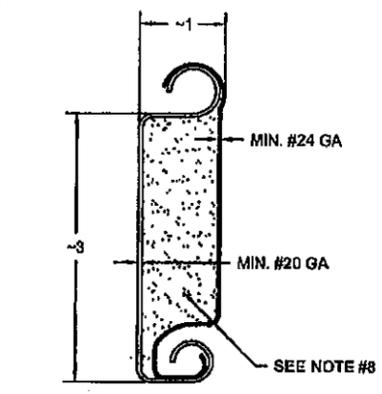


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0206.11
Expiration Date 07/17/2013
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-1013.08
Expiration Date 07/17/2013
By *[Signature]*
Miami Dade Product Control



- NOTES:
- THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, LATEST EDITION, AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.
 - 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.
 - 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 = 60 PSF
NEGATIVE DESIGN LOAD = 60 PSF
 - TESTING PERFORMED BY ARCHITECTURAL TESTING, INC (YORK, PA.) TEST REPORT NO. 79232.01-109-18.
 - 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 LOADS F1, F2, AND F3.
 - 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.
 - ANCHOR NOTES:
A. EMBEDMENT DEPTH DOES NOT INCLUDE STUCCO FINISH.
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - FOAMED IN PLACE INSULATION, TESTED IN ACCORDANCE WITH ASTM E-84 AND D-1929 OR MINERAL WOOL INSULATION.
 - DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL.
 - A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.



② SLAT DETAIL
TYPICAL SECTION
ASTM A553 HSLAS TYPE B GRADE 40 G40 OR
ASTM A553 HSLAS TYPE A GRADE 40 G40 OR
ASTM A553 STRUCTURAL STEEL GRADE 40 G40
OR TYPE 304 STAINLESS STEEL (MIN. YIELD 40,000 psi)
OR TYPE 430 STAINLESS STEEL (MIN. YIELD 40,000 psi)
OR TYPE 201 STAINLESS STEEL (MIN. YIELD 40,000 psi)
FULL SCALE

CORNELL 24 ELMWOOD AVENUE
ORESTWOOD INDUSTRIAL PARK
MOUNTAIN TOP, PA 18707

TITLE
DADE COUNTY APPROVED
12'-5" WIDE 60 PSF INSULATED
ROLLING STEEL DOOR

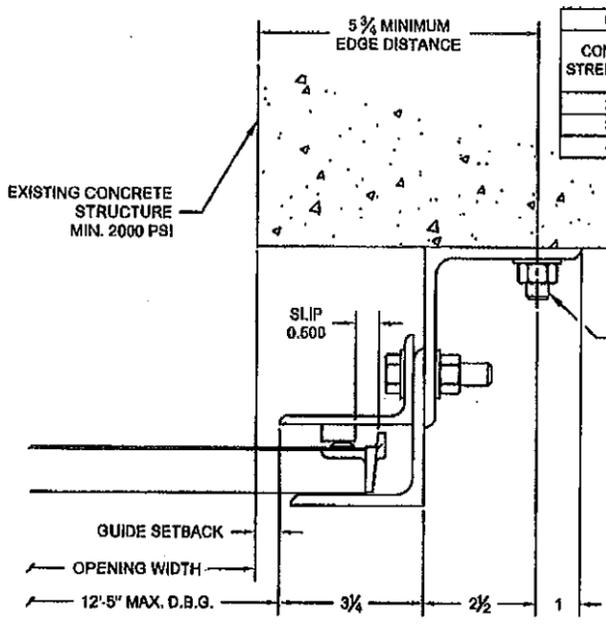
SIZE DRAWN DWG NO REV
D R. MAGGIO ES16-36-01 c

SCALE 1:16 & AS NOTED SHEET 1 OF 2

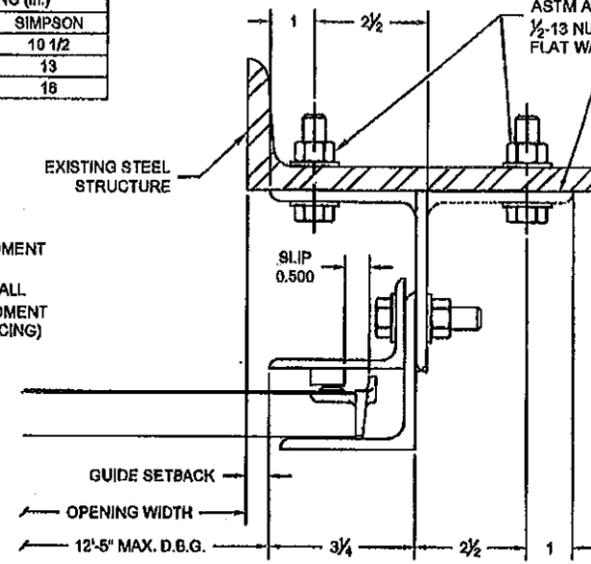
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A	REVISED NOTE SECTION PER DADE COUNTY LETTER	08/02/2008	R.M.	*
B	ADDED OPTIONAL ZEE GUIDE MOUNTING TO STEEL	12/04/2008	R.M.	*
C	ADDED OPTIONAL BETWEEN JAMBS GUIDE MOUNTING TO STEEL	08/23/2010	R.M.	*

CONCRETE STRENGTH (psi)	MAXIMUM FASTENER SPACING (in.)	
	HILTI	SIMPSON
2000	13	10 1/2
3000	14 1/2	13
4000	15 1/2	15

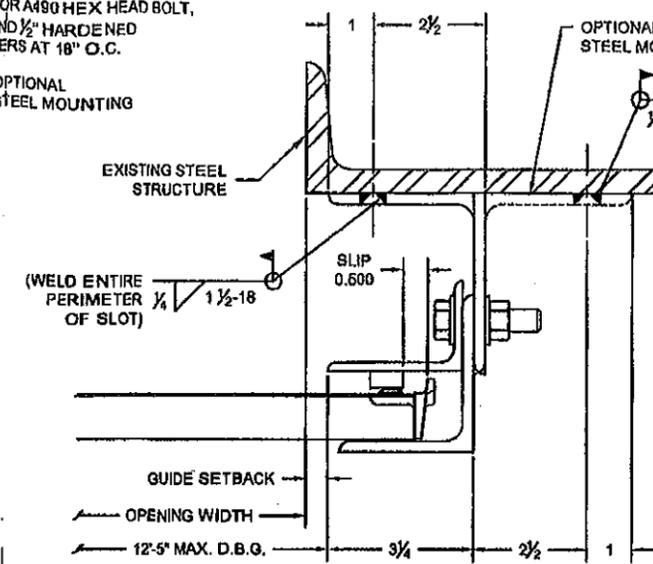
1/2-13 SAE GR. 5, SAE GR. 8, ASTM A325 OR A490 HEX HEAD BOLT, 1/2-13 NUT AND 1/2" HARDENED FLAT WASHERS AT 18" O.C.



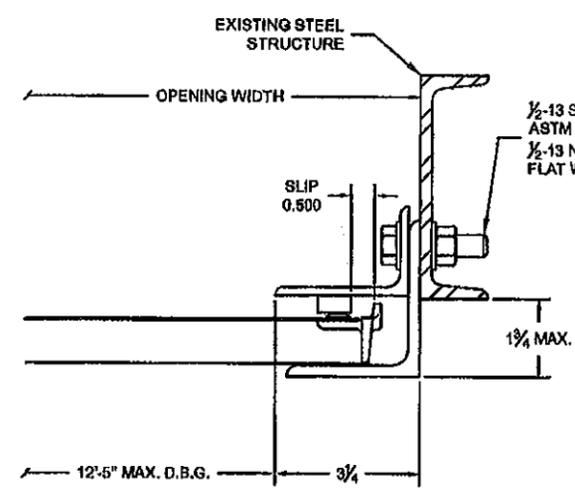
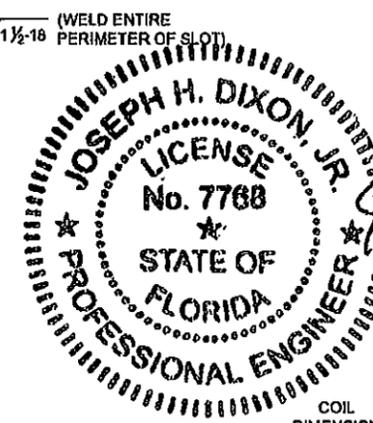
GUIDE ASSEMBLY CONCRETE STRUCTURE (Z-GUIDE)



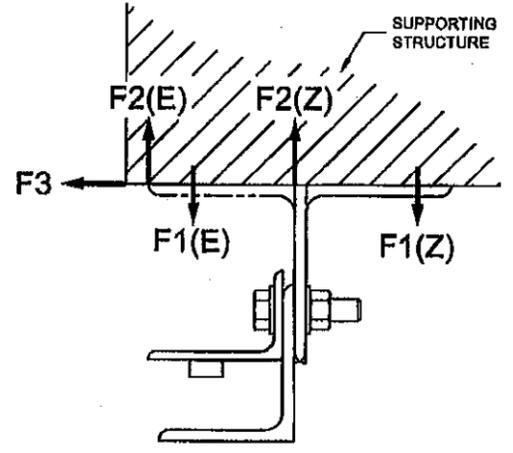
GUIDE ASSEMBLY STEEL STRUCTURE (Z-GUIDE OR E-GUIDE)



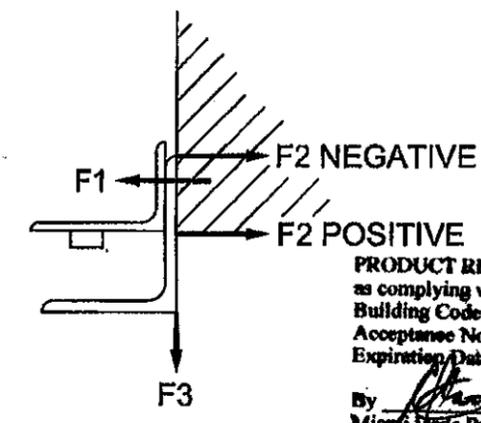
GUIDE ASSEMBLY STEEL STRUCTURE (Z-GUIDE OR E-GUIDE)



GUIDE ASSEMBLY STEEL STRUCTURE (BETWEEN JAMBS GUIDE)

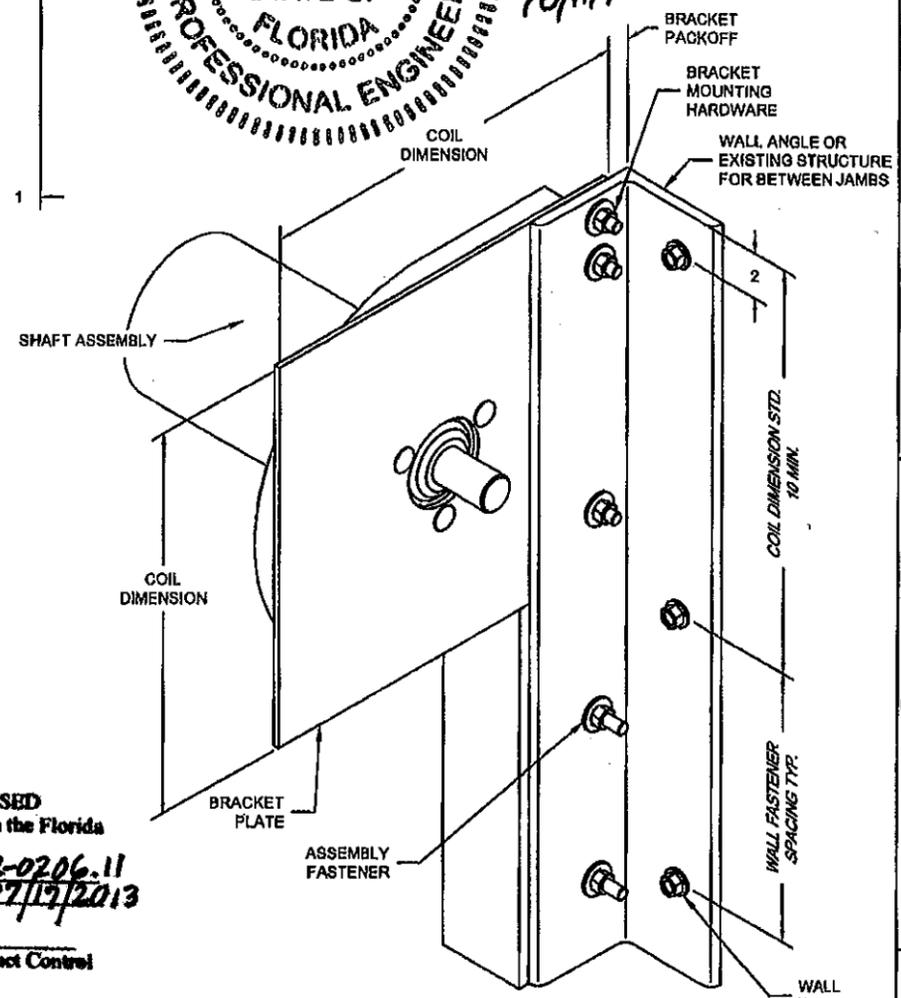


Z OR E GUIDE



BETWEEN JAMBS GUIDE

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0206-11 Expiration Date 07/17/2013 By Miami Dade Product Control



BRACKET MOUNTING / TOP WALL ANGLE FASTENING BRACKET MOUNTING PER DETAIL 6 DEPICTED, OTHER BRACKET MOUNTINGS ARE AVAILABLE SCALE: NTS

UNREDUCED WIND FORCES ON BUILDING STRUCTURE (LBS / FOOT OF HEIGHT)																	
Z-GUIDE						E-GUIDE						BETWEEN JAMBS GUIDE					
POSITIVE			NEGATIVE			POSITIVE			NEGATIVE			POSITIVE			NEGATIVE		
F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3
892	311	685	1534	1915	685	2988	2587	685	2586	2977	685	850	165	381	4785	4081	381

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 Acceptance No 10-1013-08 Expiration Date 07/17/2013 By Miami Dade Product Control

CORNELL 24 ELMWOOD AVENUE CRESTWOOD INDUSTRIAL PARK MOUNTAIN TOP, PA 18767

TITLE: DADE COUNTY APPROVED 12'-5" WIDE 60 PSF INSULATED ROLLING STEEL DOOR

SIZE: D DRAWN: R. MAGGIO DWG NO: ES16-36-02 REV: C

SCALE: 1/4" & AS NOTED SHEET 2 OF 2