



**MIAMI-DADE COUNTY**  
**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)**  
**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

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/building/home/asp](http://www.miamidade.gov/building/home/asp)

**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 by Miami-Dade County Product Control Section and accepted by the Board of Rules and Appeals (BORA) 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. BORA 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: 25'-5" Wide Insulated Steel Roll-up Door**

**APPROVAL DOCUMENT:** Drawing No. **ES16-29-01/02**, titled "Dade County Approved 25'-5" wide 60 psf Insulated Rolling Steel Door", sheets 1 and 2 of 2, dated 05/23/07, with revision B dated 10/26/10, 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:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**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 # 09-0127.06** 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.**



*[Handwritten Signature]*  
 2/3/11

**NOA No. I0-1112.07**  
**Expiration Date: July 05, 2012**  
**Approval Date: February 24, 2011**  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **ES16-29-01/02**, titled "Dade County Approved 25'-5" wide 60 psf Insulated Rolling Steel Door", sheets 1 and 2 of 2, dated 05/23/07, with revision B dated 10/26/10, prepared by Cornell Iron Works, Inc, signed and sealed by Joseph Dixon Jr; P.E.

**B. TESTS**

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 05/26/10, signed and sealed by Rick Curkeet, P.E.

*"Submitted under NOA # 07-0108.02"*

2. Certified Testing Laboratories Report No. **CTLA-1600W-1**, pages 1 thru 7 of 7, dated 11/28/06, signed and sealed on 12/08/06 by Ramesh Patel, P.E. for Testing Standards TAS 201, TAS 202 and TAS 203.
3. Certified Testing Laboratories Report No. **CTLA-1600W** and **1600W-1** for Galvanized Steel, dated 12/04/06, signed and sealed on 12/08/06 for Tensile Test per ASTM E8 by Ramesh Patel, P.E.
4. Test Reports # **ETC-07-1071-18738.0**, Ignition Temperature per ASTM D1929 and Flame Spread/ Smoke generation per ASTM E84 Performed by ETC Lab. on 03/26/07.

**C. CALCULATIONS**

1. Between-jamb guide anchoring calculations and structural analysis, dated 10/25/10, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E.
2. Structural calculations prepared by Joseph H. Dixon, Jr. PE, dated 01/12/09, 18 pages, signed and sealed on 01/20/09 by Joseph H. Dixon Jr., P.E. *"Submitted under NOA # 09-0127.06"*

**D. QUALITY ASSURANCE**

1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2007 FBC, dated 11/05/10, signed and sealed by Joseph H. Dixon, Jr., P.E.
2. Statement letter of no financial interest, dated 11/05/10, signed and sealed by Joseph H. Dixon, Jr., P.E.

**G. OTHER**

1. Notice of acceptance No. **09-0127.06**, issued to Cornell Iron Works, Inc., approved on 03/11/09 and expiring on 07/05/12.



Carlos M. Utrera, P.E.

Product Control Examiner

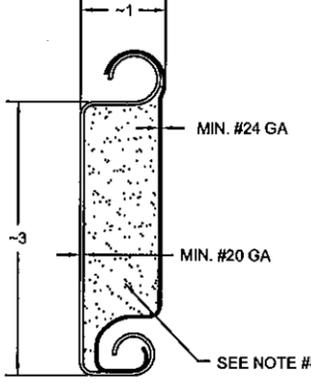
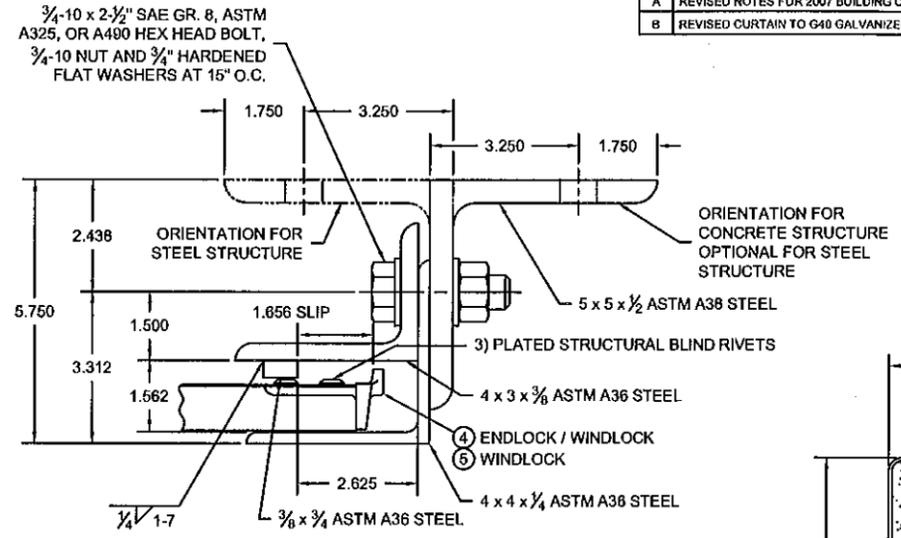
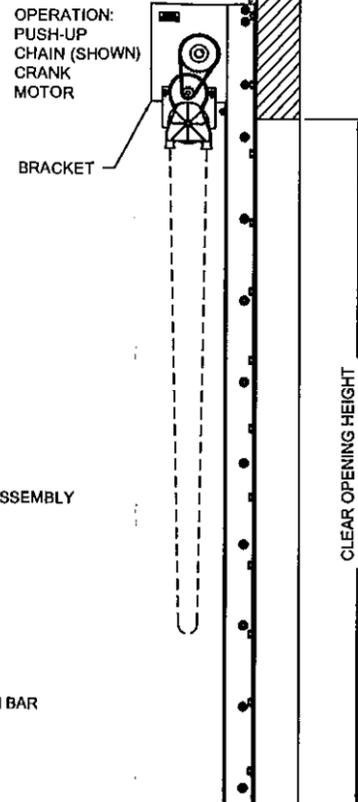
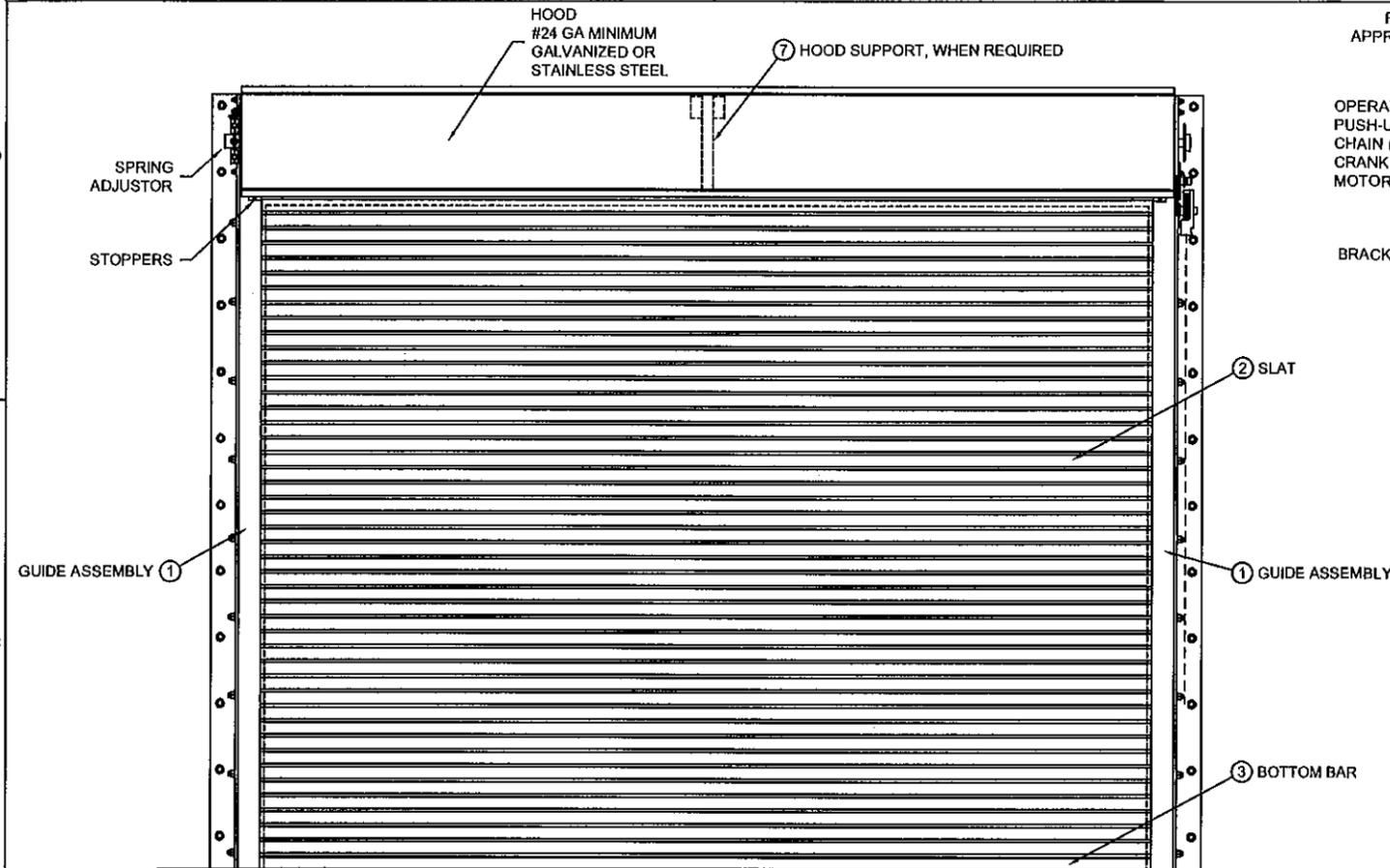
NOA No. 10-1112.07

Expiration Date: July 05, 2012

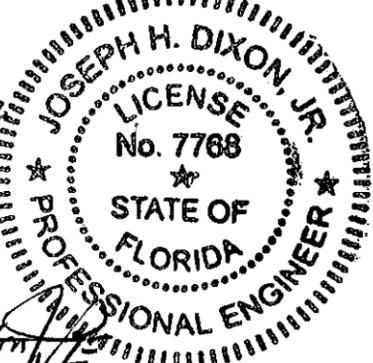
Approval Date: February 24, 2011

LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	05/23/2007	R.M.	*
A	REVISED NOTES FOR 2007 BUILDING CODE	12/03/2008	R.M.	*
B	REVISED CURTAIN TO G40 GALVANIZED	10/26/2010	R.M.	*

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

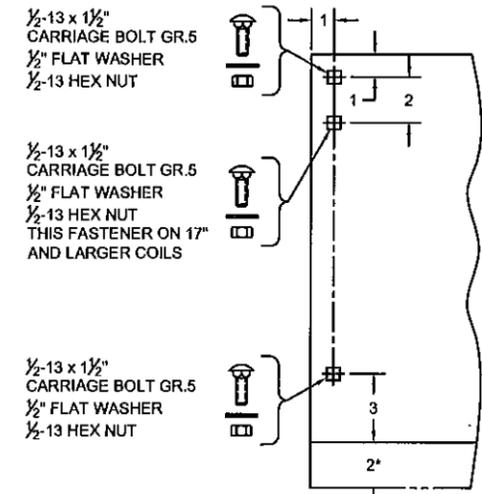
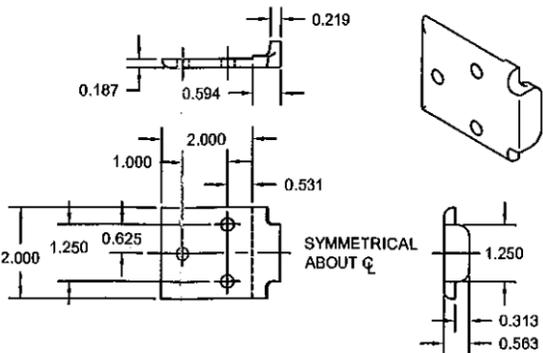
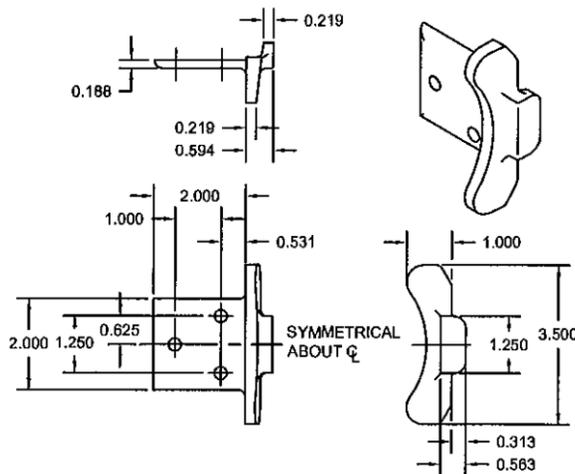
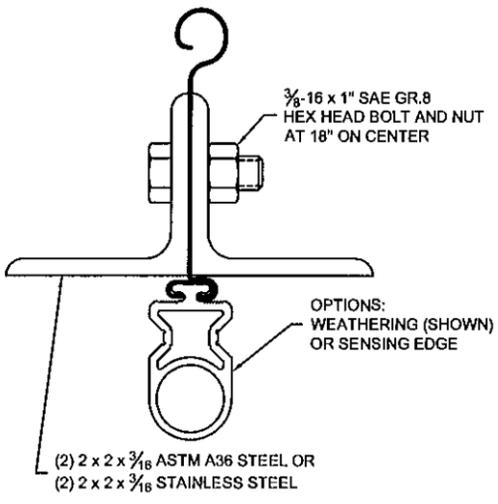
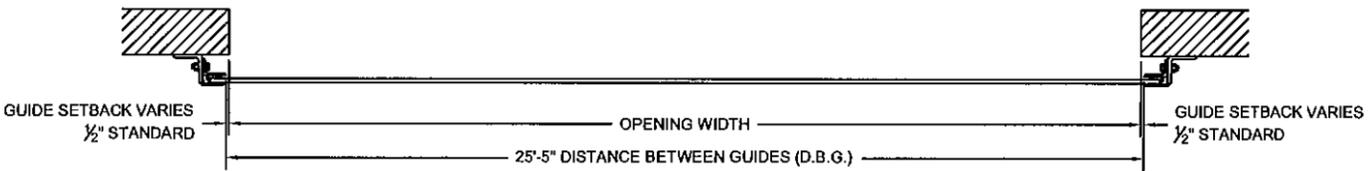


PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 10-1112-07  
 Expiration Date 07/25/2012  
 By *[Signature]*  
 Miami Trade Product Control



② SLAT DETAIL  
 TYPICAL SECTION  
 ASTM A653 HSLAS TYPE B GRADE 40 G40 OR  
 ASTM A653 HSLAS TYPE A GRADE 40 G40 OR  
 ASTM A653 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

- 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 CERTIFIED TESTING LABORATORIES (ORLANDO, FL.) TEST REPORT No. CTLA 1600W-1.
  - 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 MANUFACTURERS SPECIFICATIONS.
  - FOAMED IN PLACE INSULATION, TESTED IN ACCORDANCE WITH ASTM E-84 AND D1929 OR MINERAL WOOL INSULATION
  - DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF A WALL.
  - A 33% INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.



③ BOTTOM BAR DETAIL  
 TYPICAL SECTION  
 FULL SCALE

④ ENDLOCK / WINDLOCK DETAIL  
 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR  
 DUCTILE IRON PER ASTM A538 GRADE 65-45-12, GALVANIZED IN  
 ACCORDANCE WITH ASTM A123, GRADE 85 ZINC-COATING  
 1/2 SCALE

⑤ ENDLOCK DETAIL  
 CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR  
 DUCTILE IRON PER ASTM A538 GRADE 65-45-12, GALVANIZED IN  
 ACCORDANCE WITH ASTM A123, GRADE 85 ZINC-COATING  
 1/2 SCALE

⑥ BRACKET MOUNTING DETAIL  
 0.172 MIN. THICKNESS  
 \* 2" EXTENSION WHEN 8" AND LARGER SHAFT ASSEMBLY IS SUPPLIED  
 1/2 SCALE

**CORNELL** 100 ELMWOOD AVENUE  
 CRESTWOOD INDUSTRIAL PARK  
 MOUNTAINTOP, PA 18707

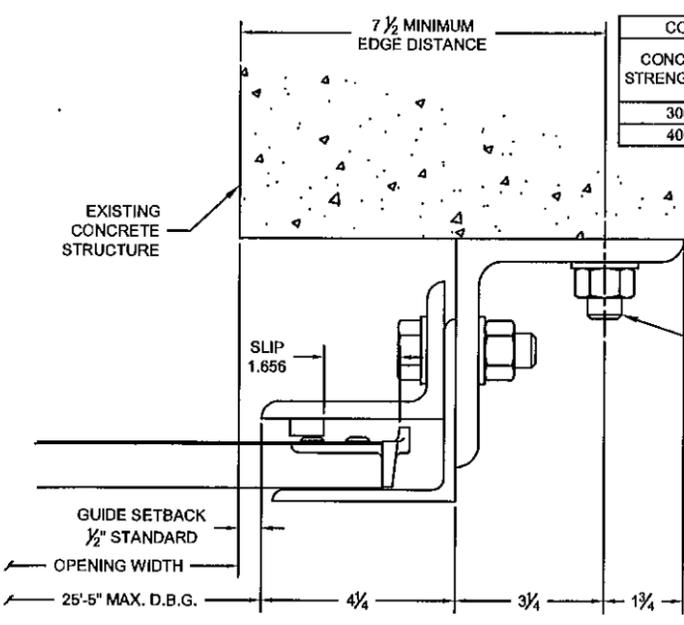
TITLE  
 DADE COUNTY APPROVED  
 25'-5" WIDE 60 PSF INSULATED  
 ROLLING STEEL DOOR

SIZE	DRAWN	DWG NO	REV
D	R. MAGGIO	ES16-29-01	B

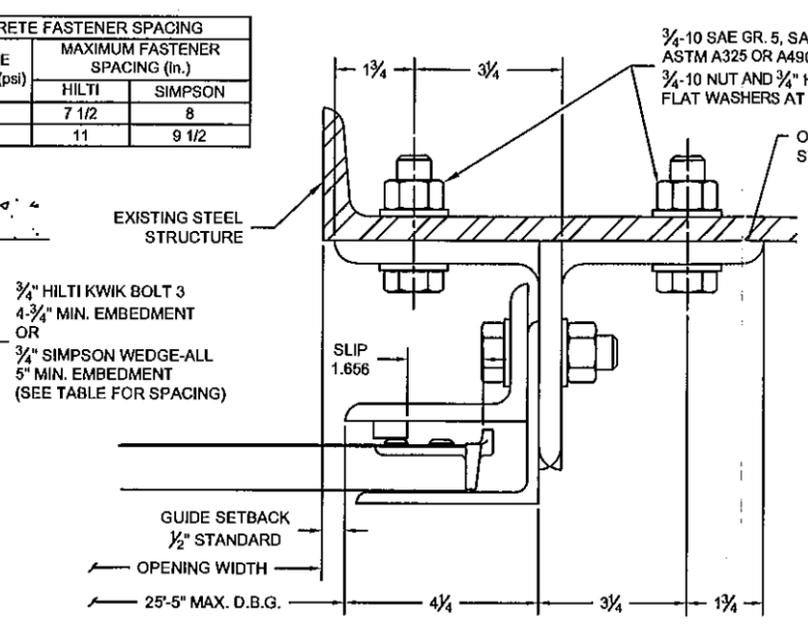
SCALE: 1:16 & AS NOTED SHEET 1 OF 2

LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	05/23/2007	R.M.	****
A	REVISED FOR 2007 FLORIDA BUILDING CODE	12/03/2008	R.M.	****
B	ADDED OPTIONAL BETWEEN JAMBS GUIDE MOUNTING TO STEEL	10/26/2010	R.M.	****

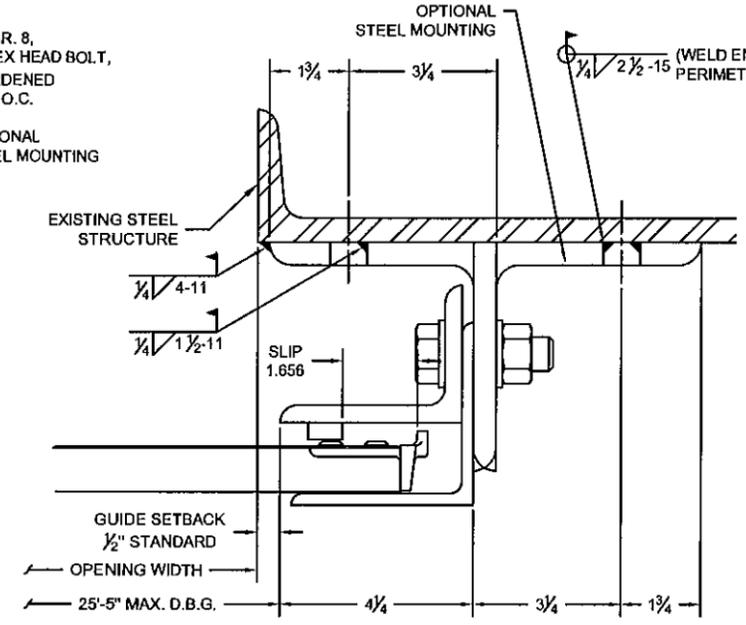
CONCRETE STRENGTH (psi)	MAXIMUM FASTENER SPACING (in.)	
	HILTI	SIMPSON
3000	7 1/2	8
4000	11	9 1/2



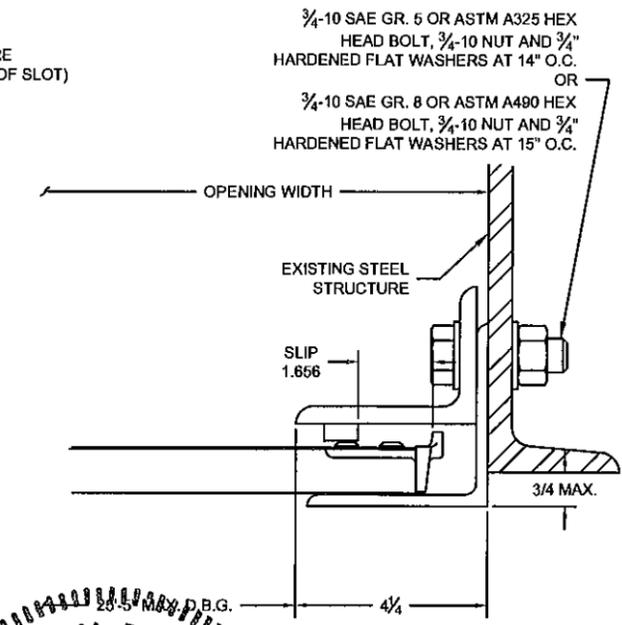
**GUIDE ASSEMBLY**  
CONCRETE STRUCTURE



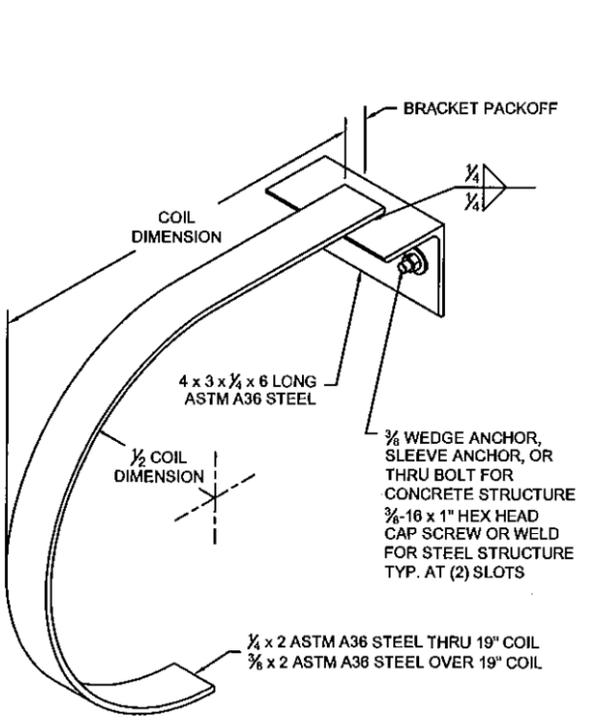
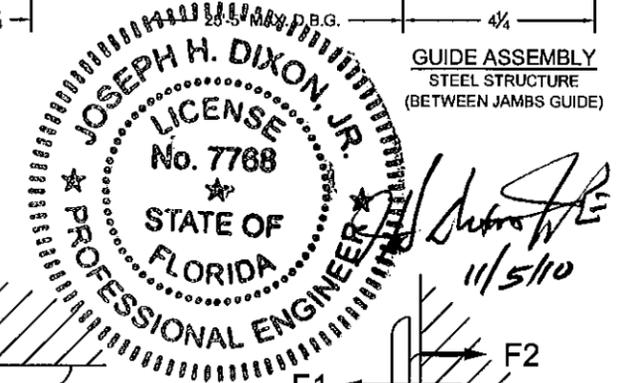
**GUIDE ASSEMBLY**  
STEEL STRUCTURE



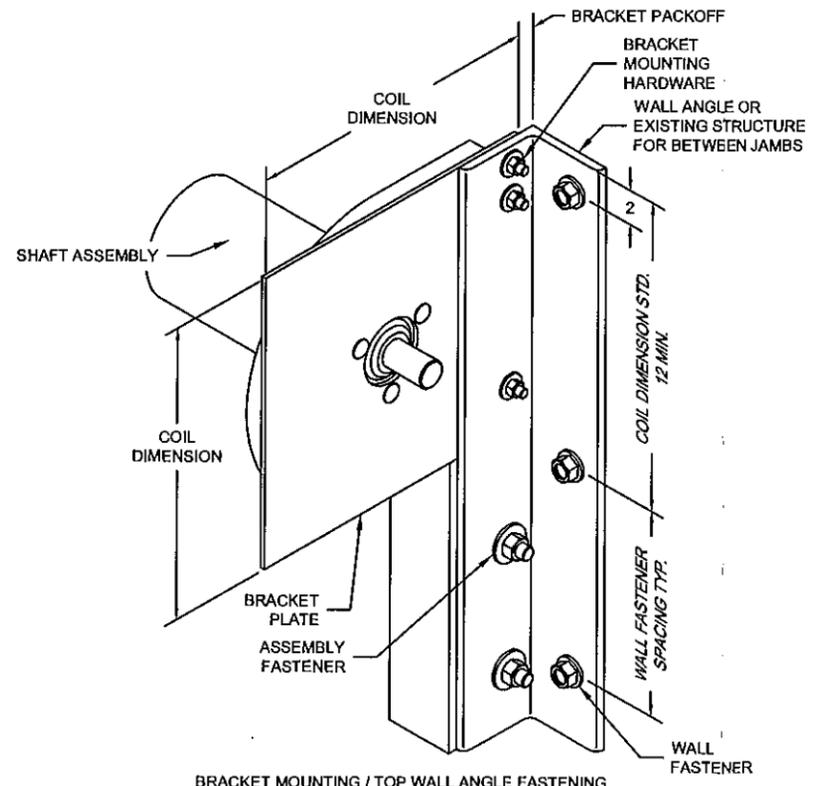
**GUIDE ASSEMBLY**  
STEEL STRUCTURE



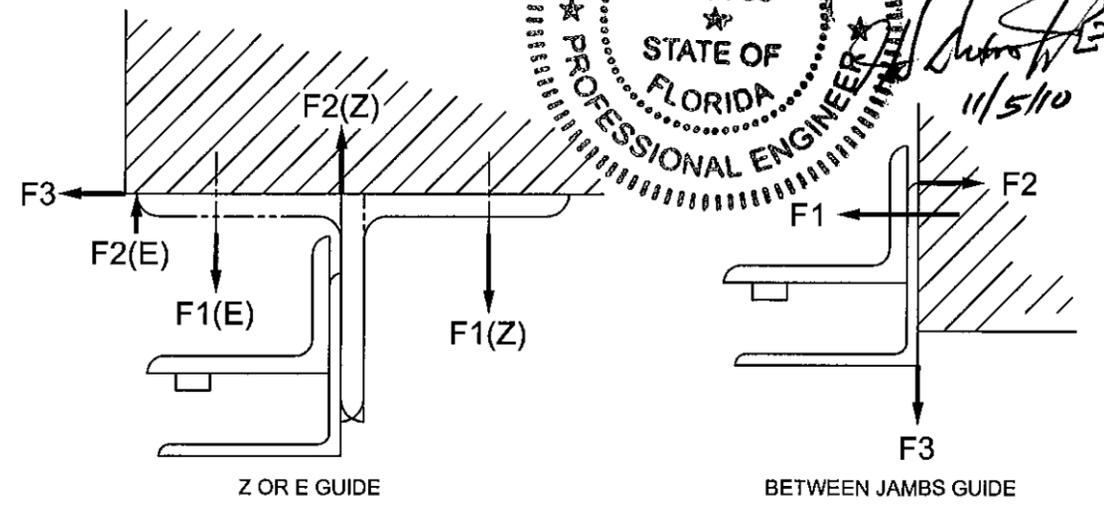
**GUIDE ASSEMBLY**  
STEEL STRUCTURE  
(BETWEEN JAMBS GUIDE)



**MID-HOOD SUPPORT**  
(WHEN REQUIRED)  
"D" SHAPE DEPICTED, SQUARE STYLE ALSO AVAILABLE  
SCALE: NTS



**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
2294	1532	2524	4199	4962	2524	6222	5459	2524	5838	6601	2524	4727	2114	762	16364	13751	762

**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 10-1112-07  
Expiration Date 07/05/2012  
By *[Signature]*  
Miami Jade Product Control

**CORNELL** 100 ELMWOOD AVENUE  
CRESTWOOD INDUSTRIAL PARK  
MOUNTAINTOP, PA 18707

TITLE  
DADE COUNTY APPROVED  
25'-5" WIDE 60 PSF INSULATED  
ROLLING STEEL DOOR

SIZE (DRAWN) (DWG NO) REV  
D R. MAGGIO ES16-29-02 B

SCALE: 1:2 & AS NOTED SHEET 2 OF 2