



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**Cornell Iron Works, Inc.
100 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 Division 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 Division (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 Division 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: 14'- 4" wide Roll-Up Door.

APPROVAL DOCUMENT: Drawing No. 16-18, without dated, with last revision on 05/11/06, titled "Dade County Approval Non-Insulated Rolling Door CP0020 Slat", sheets 1 and 2 of 2, prepared by Cornell Iron Works Inc signed and sealed by J.H. Dixon Jr PE, 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 or MDCPCA", 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 revises NOA # 03-0925.07 and, consists of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candida E. Font PE.**



**NOA No 05-0830.05
Expiration Date: August 21, 2008
Approval Date: October 12, 2006
Page 1**

Cornell Iron Works, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS

1. Drawing prepared by Cornell Iron Works Inc, titled "Dade County Approval Non-Insulated Rolling Door CP0020 Slat", Drawing No. 16-18, without date, with last revision on 05/11/06, sheets 1 and 2 of 2, signed and sealed by J. H. Dixon Jr PE.

B. TESTS

1. Test report on large missile impact test per PA 201, cyclic wind pressure test per PA 203 and uniform static air pressure test per PA 202 of "T150 Steel Rolling Garage Door", prepared by Architectural Testing, Inc report # 01-31475.01, dated 11/24/98, signed and sealed by A. N. Reeves, PE.
2. Test report on large missile impact test per PA 201, cyclic wind pressure test per PA 203 and uniform static air pressure test per PA 202 of "T150 Steel rolling Garage Door" prepared by Architectural Testing, Inc, report # ATI-15775, dated 10/16/96, signed and sealed by A. N. Reeves, PE.
3. Test report of tensile test per ASTM E8 on galvanized steel prepared by Architectural Testing Inc, report # 15775 dated 10/09/96 and signed by A. N. Reeves PE.

C. CALCULATIONS

1. Calculations for roll-up door, prepared by Knezevich & Associates Inc, dated 07/07/97; pages 1 through 10, signed and sealed by V.J. Knezevich PE.
2. Calculations for Cornell Iron Works prepared by Knezevich & Associates Inc, dated 12/18/96 sheets 1 through 7 signed and sealed by V. J. Knezevich, PE.
3. Calculations for Rolling Steel Door prepared by J. H. Dixon Jr on 07/03/06, sheets 1 & 2 signed and sealed by J. H. Dixon PE.

D. QUALITY ASSURANCE.

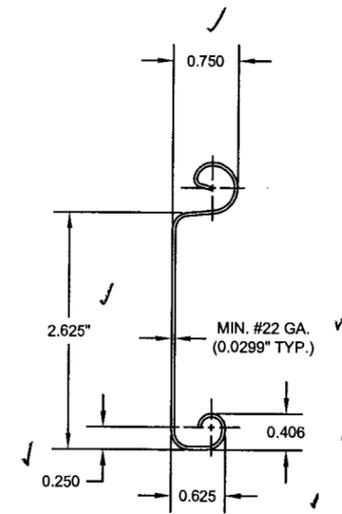
1. Miami-Dade County. Product Control Division

E. STATEMENTS.

1. Code Compliance letter issued by Knezevich & Associates Inc, on 01/15/97 signed by V. J. Knezevich PE.
2. No financial interest letter issued by Knezevich & Associates Inc, on 01/15/97 signed by V. J. Knezevich PE.
3. No change letter issued Cornell Iron Works on 04/25/00 and signed by J. Walsh.
4. No change letter issued by Cornell Iron Works on 09/19/03 and signed by L. Greiner.

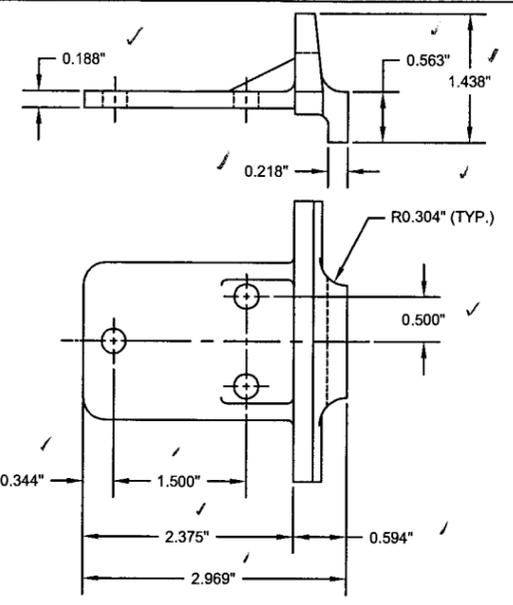

10/12/06
Candido F. Font PE
Senior Product Control Examiner
NOA No 05-0830.05
Expiration Date: August 21, 2008
Approval Date: October 12, 2006

LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE WAS KNEZEVICH 96-398 SHEET 1	08/11/05	R.M.	1197
A	REVISE PER DADE COUNTY	05/11/06	R.M.	1197



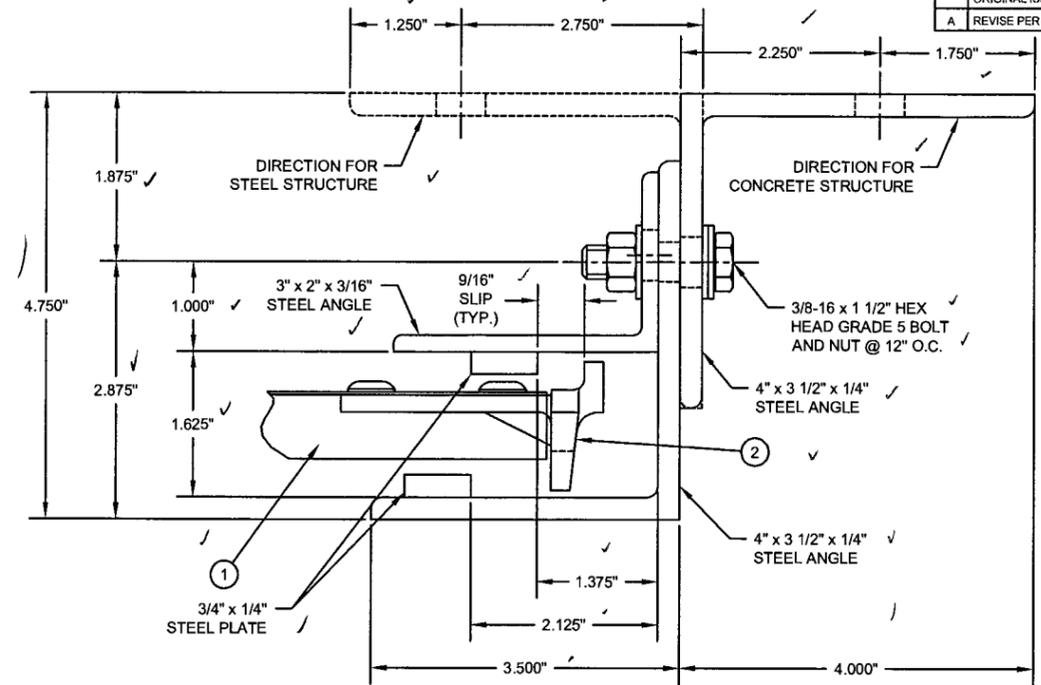
1 FLAT SLAT

SCALE: HALF SIZE
 MATERIAL:
 ASTM A653, HSLAS TYPE B, GRADE 40, G90 GALVANIZED
 OR A.S.T.M. A653, HSLAS TYPE A, GRADE 40, G90 GALVANIZED
 OR A.S.T.M. A653, STRUCTURAL STEEL, GRADE 40, G90 GALVANIZED
 OR AISI TYPE 304 STAINLESS STEEL (MIN. YIELD 45,000 psi)
 OR UNS S30400 STAINLESS STEEL (MIN. YIELD 45,000 psi)



2 WIND LOCK

SCALE: HALF SIZE
 MATERIAL:
 GALVANIZED CAST MALLEABLE IRON TYPE 32510 PER ASTM A47.

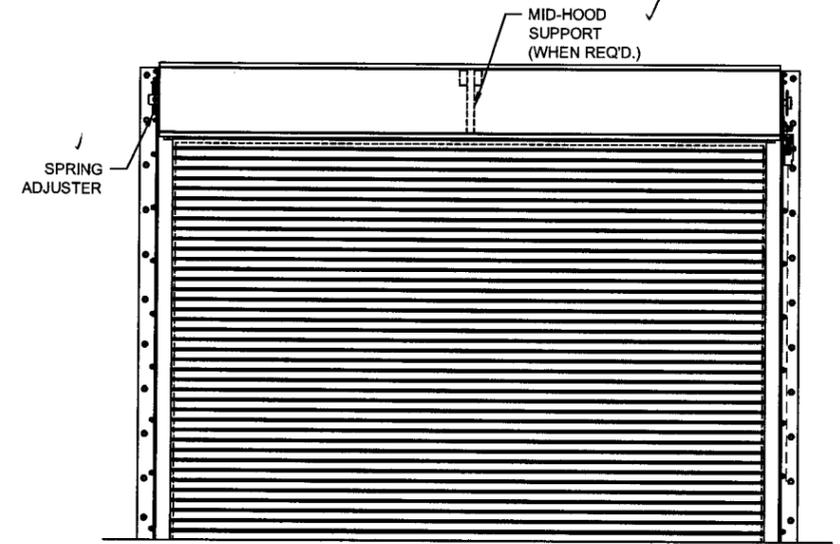


3 WIND LOCK GUIDE

SCALE: HALF SIZE
 ASTM A36 STEEL

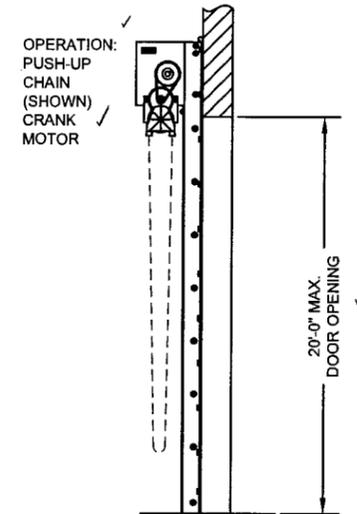
GENERAL NOTES:

- THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.
- A 33 1/3 % INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH ASCE 7-98 "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.
- PRODUCT MARKINGS SHALL INCLUDE A MINIMUM OF ONE MARKING PER DOOR AND SHALL BE LABELED AS FOLLOWS:
 CORNELL
 MOUNTAINTOP, PENNSYLVANIA
 DADE COUNTY PRODUCT CONTROL APPROVED
- ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM Fy = 60 KSI TENSILE STRENGTH.
- THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR IMPACT, CYCLIC, AND UNIFORM STATIC AIR PRESSURE IN CONFORMANCE WITH 2004 FLORIDA PROTOCOLS TAS 201, 202, AND 203.
 POSITIVE DESIGN LOAD = 60 P.S.F.
 NEGATIVE DESIGN LOAD = 60 P.S.F.
- DESIGN BASED ON ARCHITECTURAL TESTING, INC. (YORK, PENNSYLVANIA) TEST REPORT No. ATI-15775.
- SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS Vx AND Vy HEREIN. CONTRACTORS SHALL HAVE FLORIDA REGISTERED PROFESSIONAL ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOAD Vx AND Vy LOADS.
- ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70.
- ANCHOR NOTES:
 A. THE ANCHOR CAPACITY FOR THIS ROLL-UP DOOR IS BASED ON 4,000 PSI CONCRETE.
 B. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.
 C. ANCHORS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURERS SPECIFICATION.
- DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL.
- THE ROLL-UP MECHANISM IS NOT INCLUDED IN THIS APPROVAL. IT MUST BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY



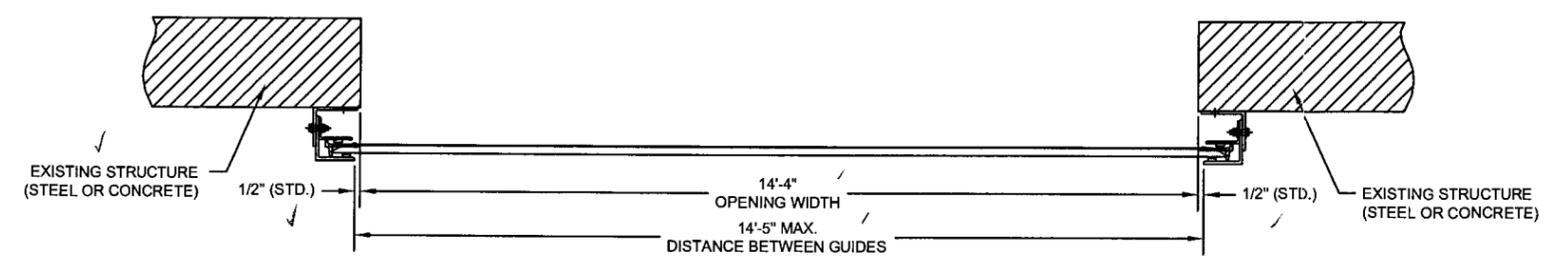
A FRONT ELEVATION

SCALE: 1/2" = 1'-0"



B SIDE ELEVATION

SCALE: 1/2" = 1'-0"



C PLAN VIEW

SCALE: 1 1/2" = 1'-0"

DESIGN REVISIONS
 05-083005
 05/21/06
 R.M. MAGGIO
 Division

All before jobs
 5/22/06
 FL 7768

CORNELL 100 ELMWOOD AVENUE
 CRESTWOOD INDUSTRIAL PARK
 MOUNTAINTOP, PA 18707

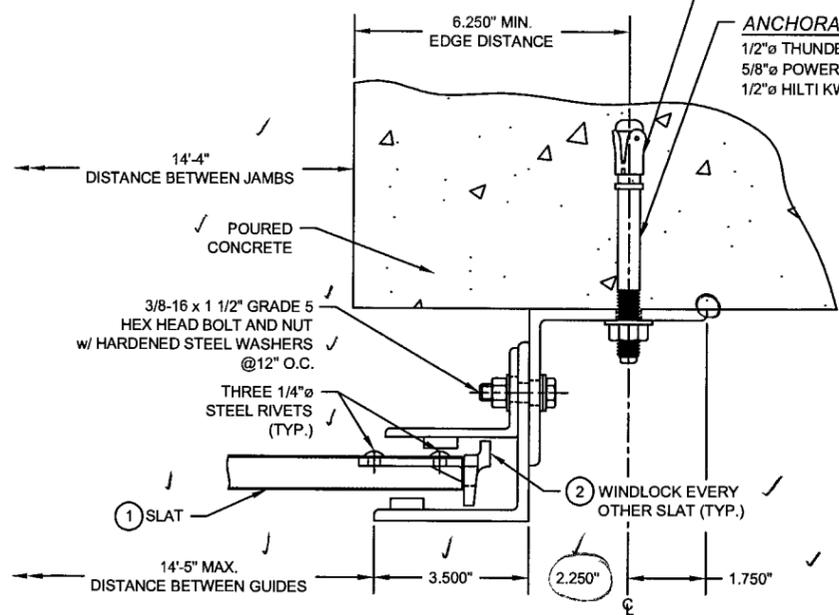
TITLE
 DADE COUNTY APPROVAL
 NON-INSULATED ROLLING DOOR
 CP0020 SLAT

SIZE DRAWN	DWG NO	REV
D R. MAGGIO	16-18	A
SCALE AS NOTED	SHEET 1	OF 2

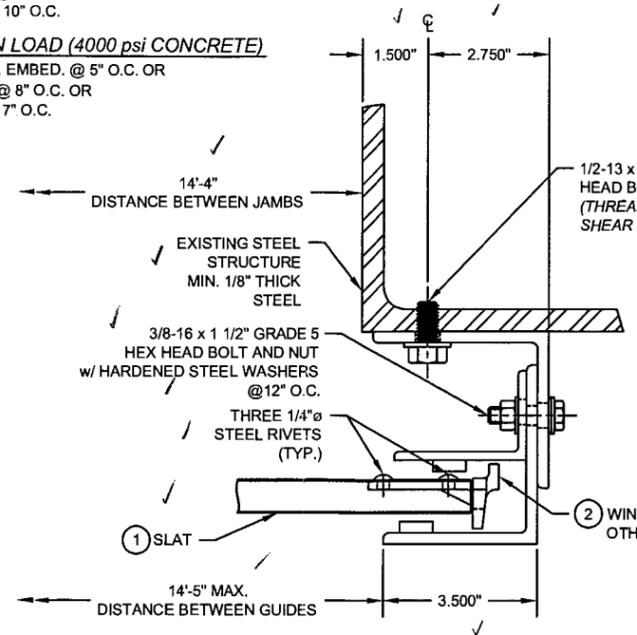
L/TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE WAS KNEZEVICH 96-399 SHEET 2	08/10/05	R.M.	1197
A	REVISE PER DADE COUNTY	05/11/06	R.M.	1197

ANCHORAGE FOR +/- 47 P.S.F. DESIGN LOAD (4000 psi CONCRETE)
 1/2" THUNDERSTUD WEDGE ANCHOR w/ 4" MIN. EMBED. @ 8" O.C. OR
 5/8" POWERS WEDGE-BOLT w/ 4" MIN. EMBED. @ 9" O.C. OR
 1/2" HILTI KWIK BOLT 3 w/ 3 1/2" MIN. EMBED. @ 10" O.C.

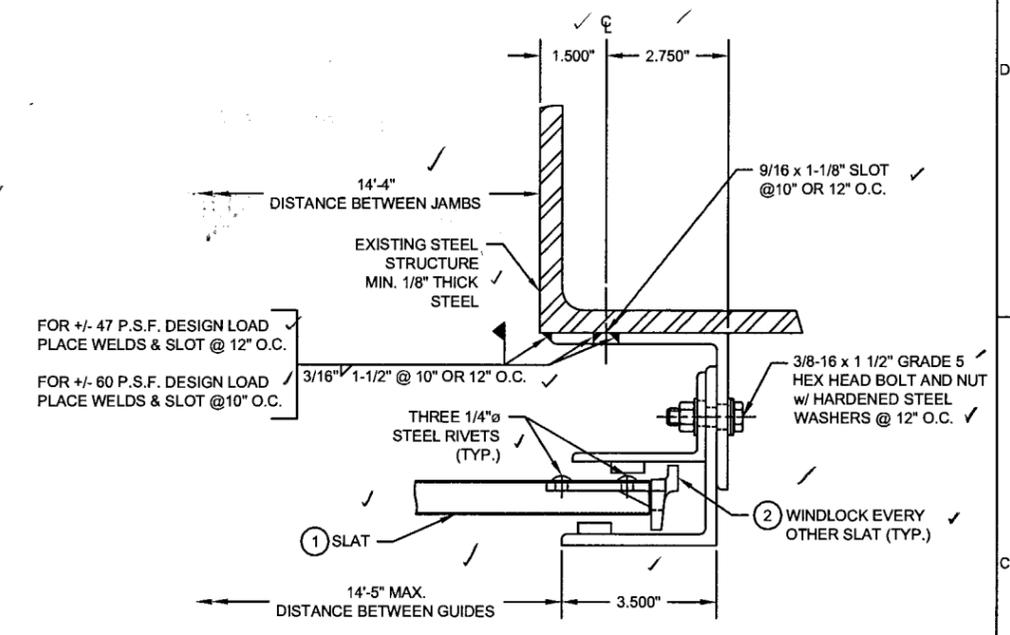
ANCHORAGE FOR +/- 60 P.S.F. DESIGN LOAD (4000 psi CONCRETE)
 1/2" THUNDERSTUD WEDGE ANCHOR w/ 4" MIN. EMBED. @ 5" O.C. OR
 5/8" POWERS WEDGE-BOLT w/ 4" MIN. EMBED. @ 8" O.C. OR
 1/2" HILTI KWIK BOLT 3 w/ 3 1/2" MIN. EMBED. @ 7" O.C.



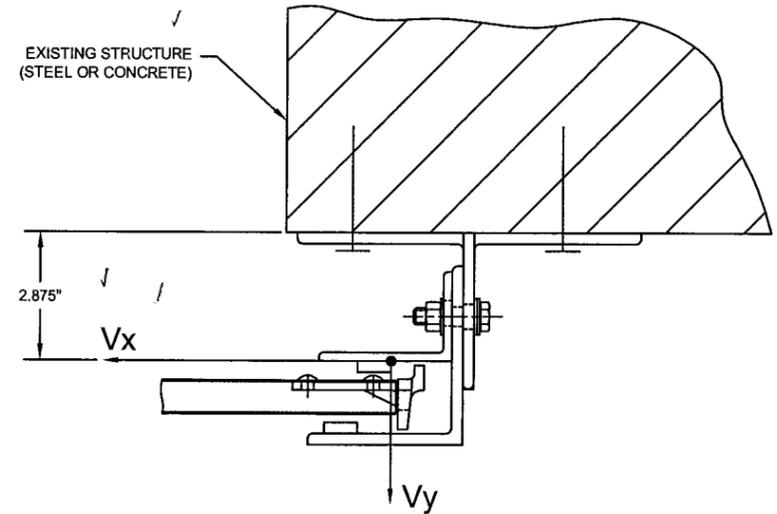
A GUIDE ASSEMBLY
 (4,000 P.S.I. CONCRETE)
 SCALE: 1/2



B GUIDE ASSEMBLY
 (STEEL STRUCTURE)
 SCALE: 1/2

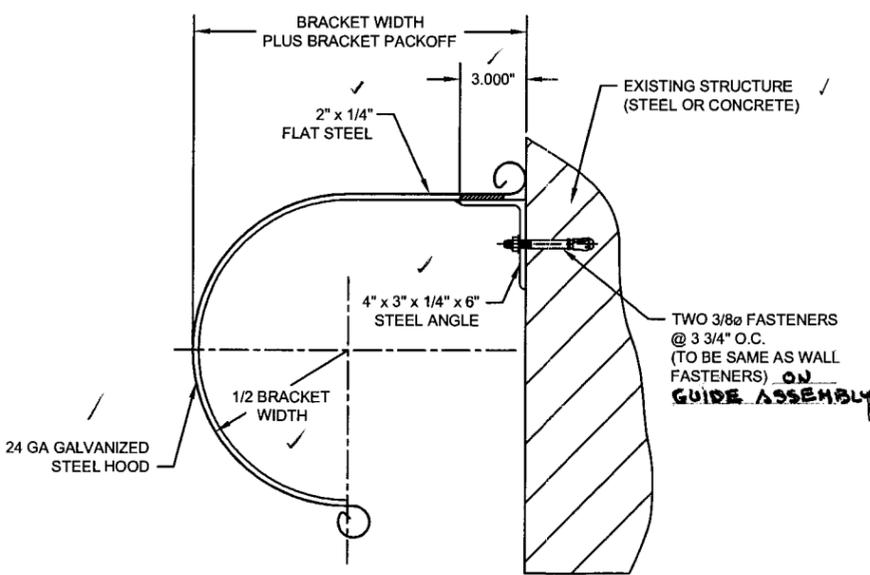


C GUIDE ASSEMBLY
 (STEEL STRUCTURE)
 SCALE: 1/2

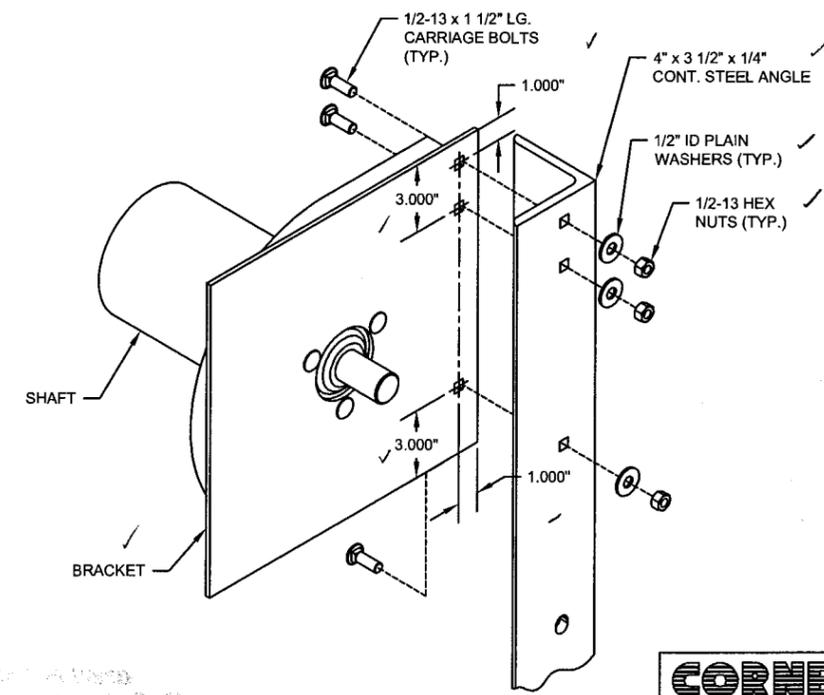


47 PSF $V_x = + 1289$ POUNDS / FT. OF HEIGHT 60 PSF $V_x = + 1763$ POUNDS / FT. OF HEIGHT
 47 PSF $V_y = +/- 339$ POUNDS / FT. OF HEIGHT 60 PSF $V_y = +/- 432$ POUNDS / FT. OF HEIGHT

D SUPERIMPOSED LOAD DIAGRAM
 SCALE: 1/2
 V_x & V_y FORCES ARE SHOWN AT THE CENTER OF THE FORCE. ANCHORS TO STRUCTURE ARE DESIGNED TO RESIST THE ECCENTRICITY INDICATED. EXISTING STRUCTURE SHALL BE CAPABLE OF RESISTING THE FORCES SHOWN AND THE CORRESPONDING REACTIONS AND MOMENT AT THE STEEL OR CONCRETE STRUCTURE.



E MID-HOOD SUPPORT DETAIL
 SCALE: 3" = 1'-0"



F BRACKET DETAIL
 SCALE: 3" = 1'-0"
 NOTE: FOR ANCHORAGE TO WALL SEE GUIDE ASSEMBLY.

Handwritten signature and date:
 5/22/06
 FL 7768

CORNELL		100 ELMWOOD AVENUE CRESTWOOD INDUSTRIAL PARK MOUNTAINTOP, PA 18707	
TITLE DADE COUNTY APPROVAL NON-INSULATED ROLLING DOOR CP0020 SLAT			
SIZE (DRAWN)	DWG NO	REV	
D	R.MAGGIO	16-18	A
SCALE	SHEET 2 OF 2		
AS NOTED			

05-0630 05
 08/2/08