



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Cornell Iron Works, Inc.
Crestwood Industrial Park
Mountaintop PA 18707

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Roll-Up Door

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 00-0508.01

Expires: 10/23/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

Approved: 06/15/2000

1 of 3



Cornell Iron Works, Inc.

ACCEPTANCE NO: 00-0508.01

APPROVED : JUN 15 2000

EXPIRES : 10/23/2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1.0 SCOPE

1.1 This renews the Notice of Acceptance No. 96-1220.01 which was issued on 10/23/97. It approves a roll up door with maximum dimensions of 14'-4" wide x 20'-0" high as described in section 2 of this Notice of Acceptance. It is designed to comply with the South Florida Building Code, 1994 edition for Miami-Dade County (S.F.B.C.). For the locations where the pressure requirements, as determined by the S.F.B.C. chapter 23, do not exceed the design pressure rating values indicated on the approved drawings.

2.0 PRODUCT DESCRIPTION:

2.1 The **Cornell Roll-Up Door** and its components shall be built in strict compliance with the following documents: Drawing No. 96-399, sheets 1 and 2 of 2, titled "Roll-Up Door", prepared by Knezevich & Associates, Inc., dated 12/13/96 and with latest revision on 09/23/97. The drawing shall bear the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3.0 LIMITATION:

3.1 Units with dimensions equal to or smaller than those shown on the approved drawing shall qualify under this approval.

4.0 INSTALLATION:

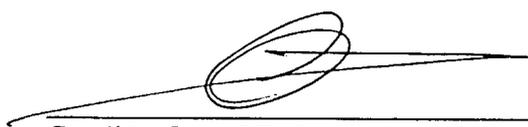
4.1 The Roll-Up Door and its components shall be installed in strict compliance with the approved drawings.
4.2 The installation of this door does **not require** a hurricane protection system.
4.3. The door operating mechanism (not included on this approval) shall be certified by Underwriters Laboratories or other recognized agency.

5.0 LABELLING

5.1 Each door shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement "Miami Dade County Product Control Approved"

6.0 BUILDING PERMIT REQUIREMENTS.

6.1 Application for Building Permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance including duplicate copies of the approved drawings, identified in section 2; clearly marked to show the components selected for the proposed installation.
6.1.2 Any other document required by the building Official or the S.F.B.C. in order to properly evaluate the installation of this system.


Candido Font, PE, Sr. Product Control Examiner
Product Control Division

Cornell Iron Works, Inc.

ACCEPTANCE NO : 00-0508.01

APPROVED : JUN 15 2000

EXPIRES : 10/23/2003

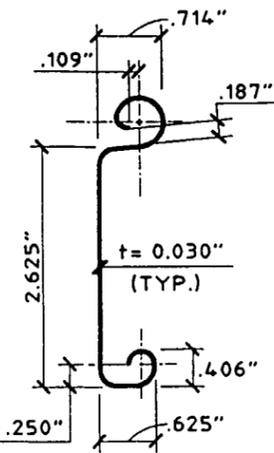
NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering professions.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process;
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1, 2, and this last page 3.



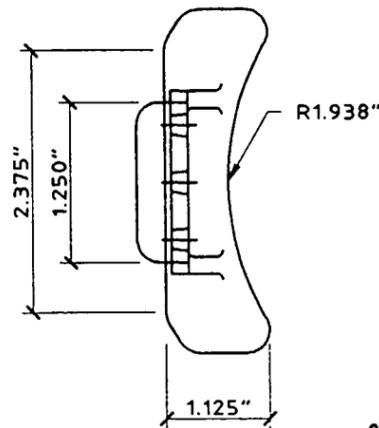
Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



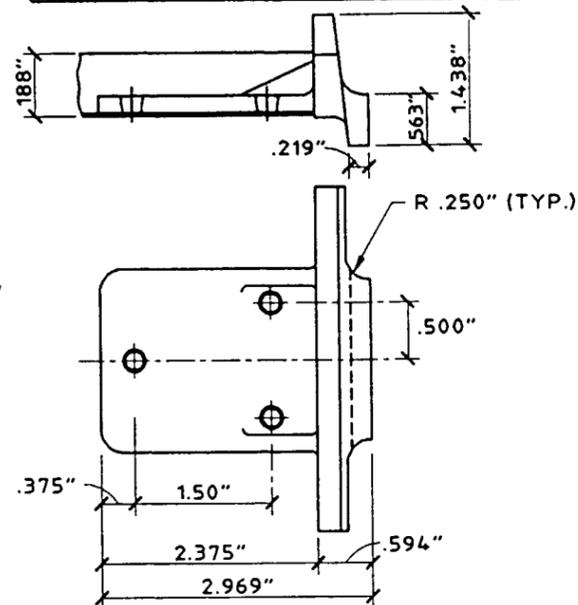
1 FLAT SLAT

SCALE: HALF SIZE
22 GAGE ASTM A446 GRADE C
MIN. 40 KSI STEEL GALV. IN
ACCORDANCE WITH ASTM A525 G90



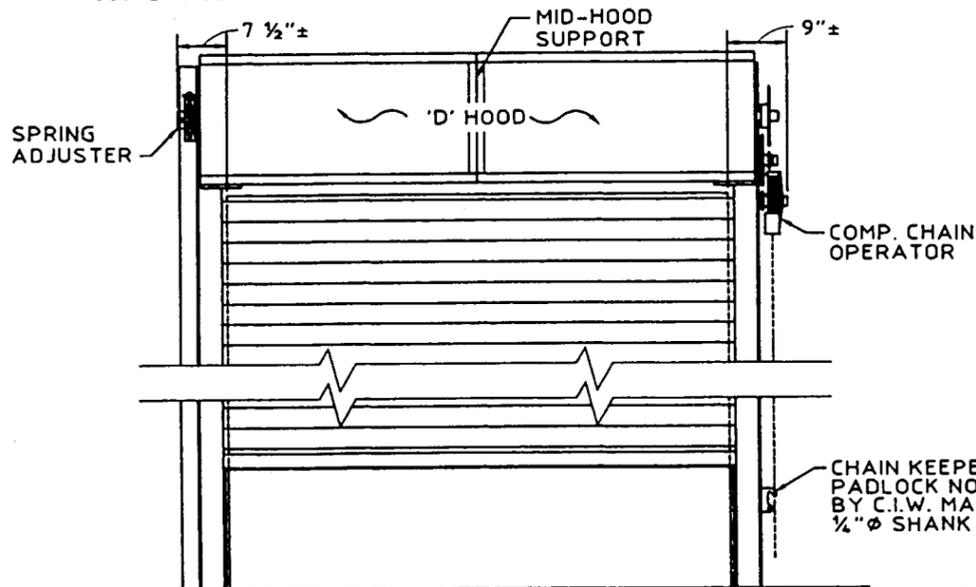
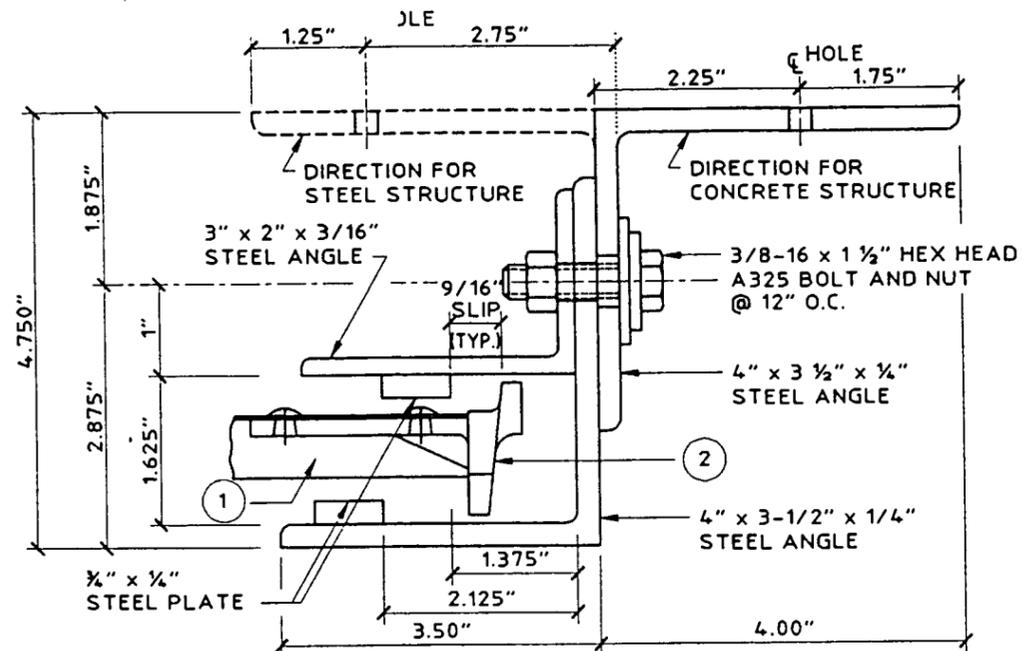
2 WIND LOCK

SCALE: HALF SIZE
CAST MALLEABLE IRON
GALVANIZED IN ACCORDANCE
WITH ASTM A525 G90



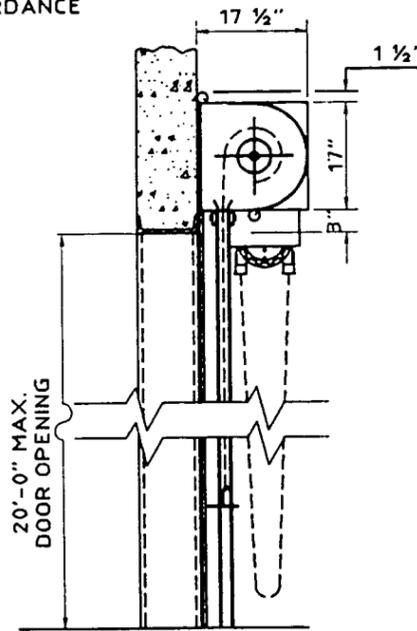
3 WIND LOCK GUIDE

SCALE: HALF SIZE
ASTM A36 STEEL



A FRONT ELEVATION

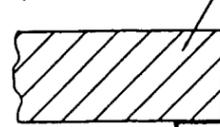
SCALE: 1/2" = 1'-0"



B SIDE ELEVATION

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

EXISTING STRUCTURE
(STEEL COLUMN, CONCRETE)



EXISTING STRUCTURE
(STEEL COLUMN, CONCRETE)



PRODUCT RENEWED

ACCEPTANCE NO. 00-0508.01 1/2"
EXPIRATION DATE October 23, 2003

By _____
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

14'-4" MAX.
OPENING WIDTH
14'-5" MAX.
DISTANCE BETWEEN GUIDES

PLAN VIEW

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

APPROVED AS COMPLYING WITH THE ANCHOR CAPACITY FOR THIS ROLL-UP DOOR IS BASED ON 4000 PSI CONCRETE. PROVIDE 4" MINIMUM EMBEDMENT FOR ALL ANCHORS.

SOUTH FLORIDA BUILDING CODE

DATE OCTOBER 23, 1997

BY _____

PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 96-1220-01

GENERAL NOTES:

- THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.
- POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH ASCE 7-88 "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 BE WITHIN 12" OF ONE END OF THE DOOR WITH A MIN 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 DADE COUNTY PROTOCOLS PA 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, Vy AND BRACKET LOADS SHOWN ON SHEET 2 OF 2.
- 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. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURERS SPECIFICATIONS.
- DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL.



KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS & PRODUCT TESTING
641 MOKENA DRIVE
MIAMI SPRINGS, FL 33166
PHONE: (305) 883-9571
FAX: (305) 883-9572
COPYRIGHT 1997 KNEZEVICH & ASSOCIATES, INC.

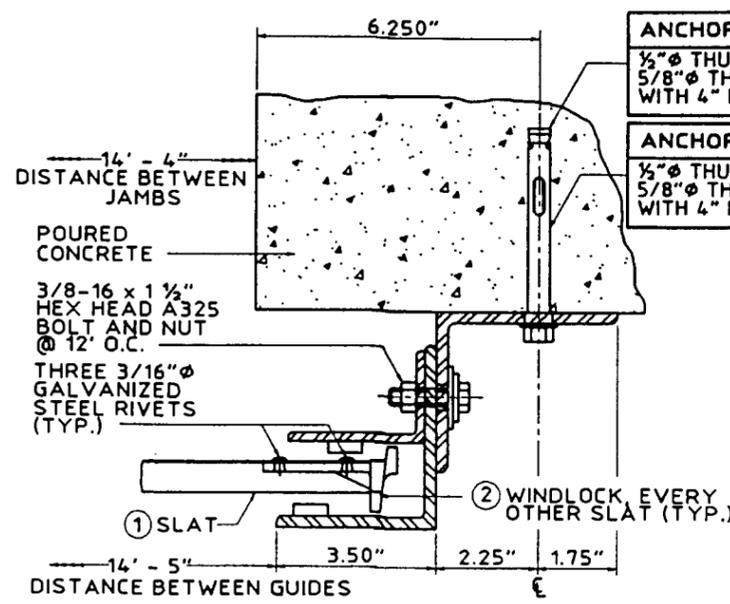
ROLL-UP DOOR
CORROLL
CRESTWOOD INDUSTRIAL PARK
MOUNTAINTOP, PENNSYLVANIA
(800) 233-8366

no.	date	description
1	1/24/97	JP COUNTY COMMENTS
2	1/23/97	JP COUNTY COMMENTS

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No:
PE 0010983

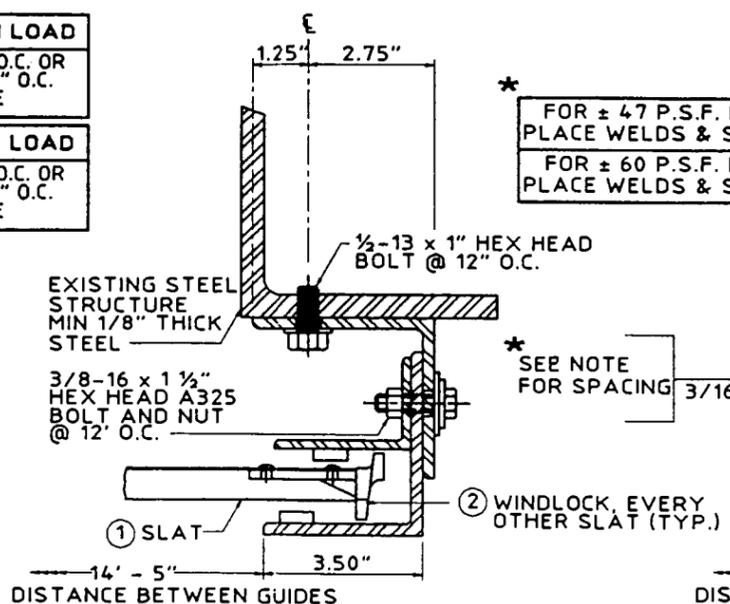
SEP 22 1997

date 2/13/98
scale AS NOTED
design by JWK/JP
checked by JWK
drawing no. 96-399
sheet 1 of 2



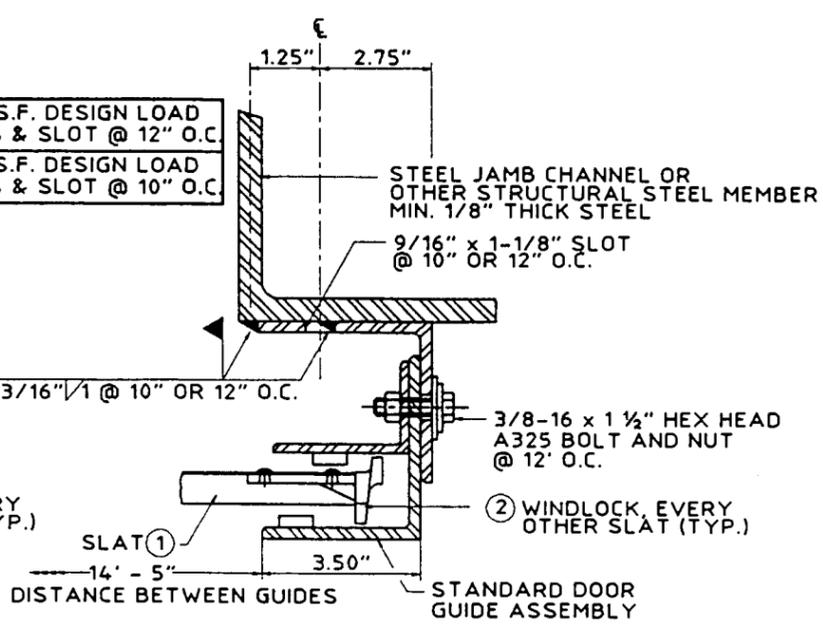
ANCHORAGE FOR ± 47 P.S.F. DESIGN LOAD
 1/2" THUNDERSTUD WEDGE ANCHOR @ 9" O.C. OR
 5/8" THUNDERBOLT SLEEVE ANCHOR @ 9" O.C.
 WITH 4" MIN. EMBED. IN 4000 PSI CONCRETE

ANCHORAGE FOR ± 60 P.S.F. DESIGN LOAD
 1/2" THUNDERSTUD WEDGE ANCHOR @ 7" O.C. OR
 5/8" THUNDERBOLT SLEEVE ANCHOR @ 9" O.C.
 WITH 4" MIN. EMBED. IN 4000 PSI CONCRETE



* FOR ± 47 P.S.F. DESIGN LOAD
 PLACE WELDS & SLOT @ 12" O.C.

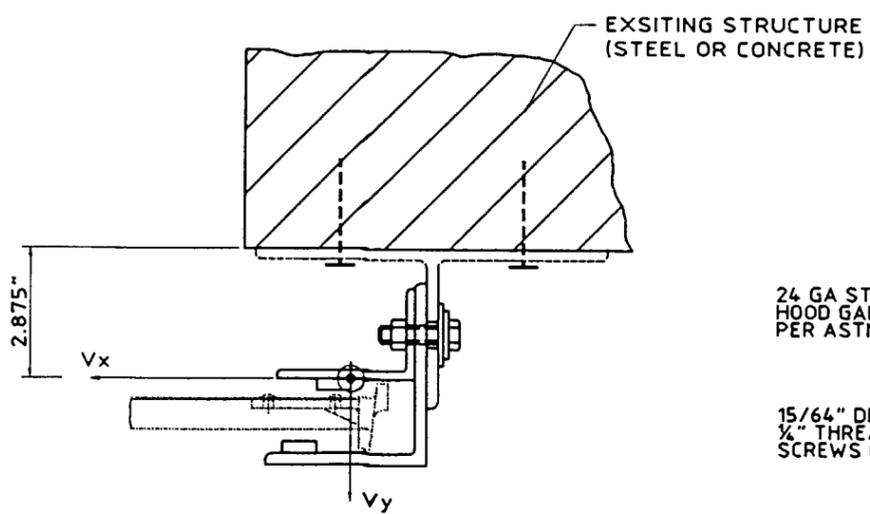
* FOR ± 60 P.S.F. DESIGN LOAD
 PLACE WELDS & SLOT @ 10" O.C.



A GUIDE ASSEMBLY (4000 P.S.I. CONCRETE)
 SCALE: 3" = 1'-0"

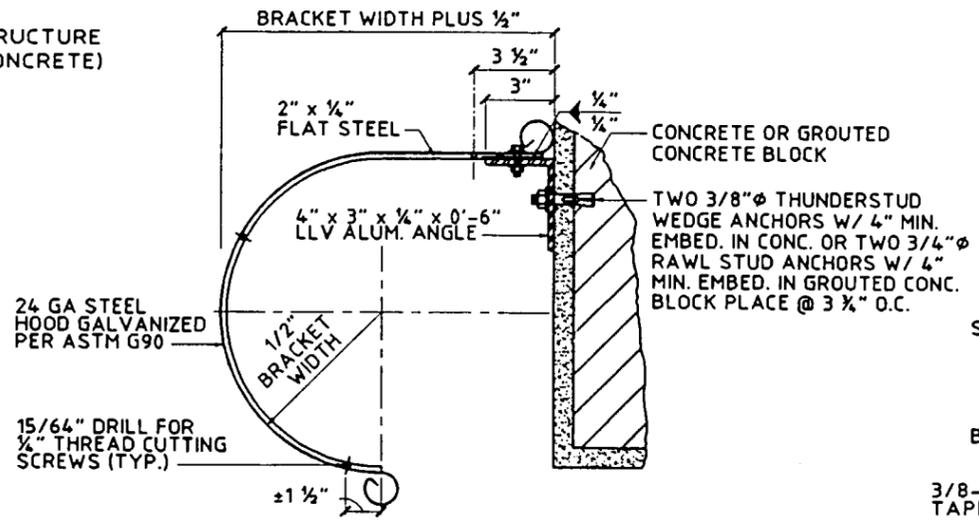
B GUIDE ASSEMBLY (STEEL STRUCTURE)
 SCALE: 3" = 1'-0"

C GUIDE ASSEMBLY (STEEL STRUCTURE)
 SCALE: 3" = 1'-0"

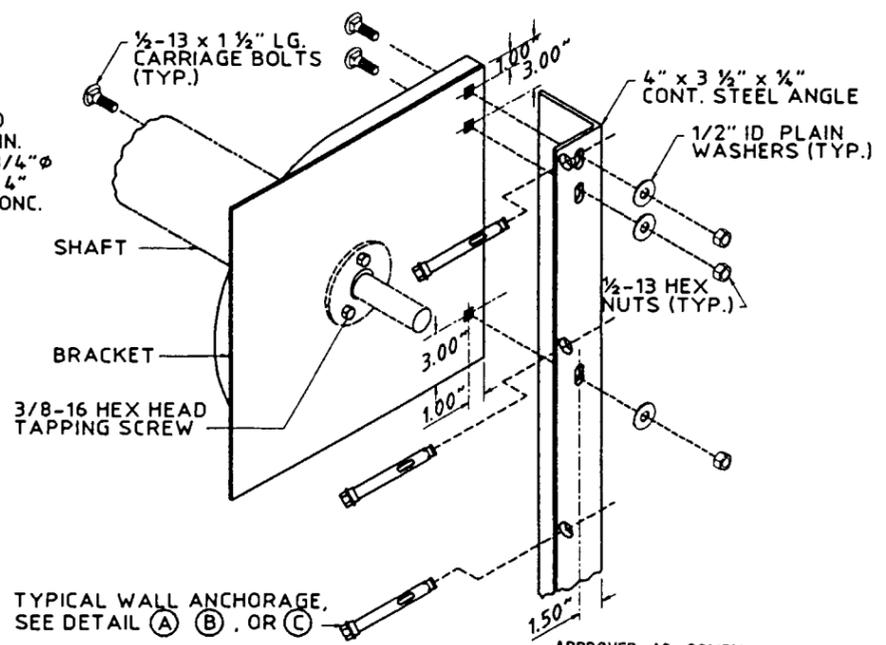


$V_x = + 1884$ POUNDS/FT.
 $V_y = ± 445$ POUNDS/FT.

D SUPERIMPOSED LOAD DIAGRAM
 SCALE: 3" = 1'-0"



E MID HOOD SUPPORT DETAIL
 SCALE: 1 1/2" = 1'-0"



TYPICAL WALL ANCHORAGE,
 SEE DETAIL (A), (B), OR (C)

F BRACKET DETAIL
 SCALE: 1 1/2" = 1'-0"

V_x & V_y FORCES ARE SHOWN AT THE CENTER OF 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.

ACCEPTANCE No. 00-0508.01
 EXPIRATION DATE October 23, 2003
 By: [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE October 23, 1997
 BY: [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 96-1220.01

KNEZEVICH & ASSOCIATES, INC.
 CONSULTING ENGINEERS & PRODUCT TESTING
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 MIAMI SPRINGS, FL 33166
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 COPYRIGHT 1997 KNEZEVICH & ASSOCIATES, INC.

ROLL-UP DOOR
CORROLL
 CRESTWOOD INDUSTRIAL PARK
 MOUNTAIN TOP, PENNSYLVANIA
 (800) 233-8366

no	date	description	no	date	description
1	7/4/97	JP	COUNTY COMMENTS		
2	9/23/97	JP	COUNTY COMMENTS		

V.J. KNEZEVICH
 PROFESSIONAL ENGINEER
 FL License No:
 PE 0010983

SEP 22 1997

date	9/23/97
scale	AS NOTED
drawn by	gd
design by	JWK/JP
checked by	JWK
drawing no.	96-399
sheet	2 of 2