



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

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

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

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

TGW Rolling Doors, Inc.
1891 E. 11th Avenue
Hialeah ,FL 33010

Your application for Notice of Acceptance (NOA) 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 NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time 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 by 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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 00-0919.09
EXPIRES: 06/08/2003

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 Miami-Dade County, Florida under the conditions set forth above.

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

APPROVED: 12/14/2000

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1.0 SCOPE

1.1 This revises the Notice of Acceptance No. 00-0411.03 that was issued on 06/08/2000. It approves a roll up door with maximum dimensions of 16'-0" wide x 30'-0" through 30'-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 **TGW Steel Rolling Door** and its components shall be built in strict compliance with the following documents: Drawing No. 99-218, sheets 1 through 3 of 3, titled "Roll-Up Door", prepared by Tilteco, Inc., dated 07/06/99 and revised on 09/05/2000. 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

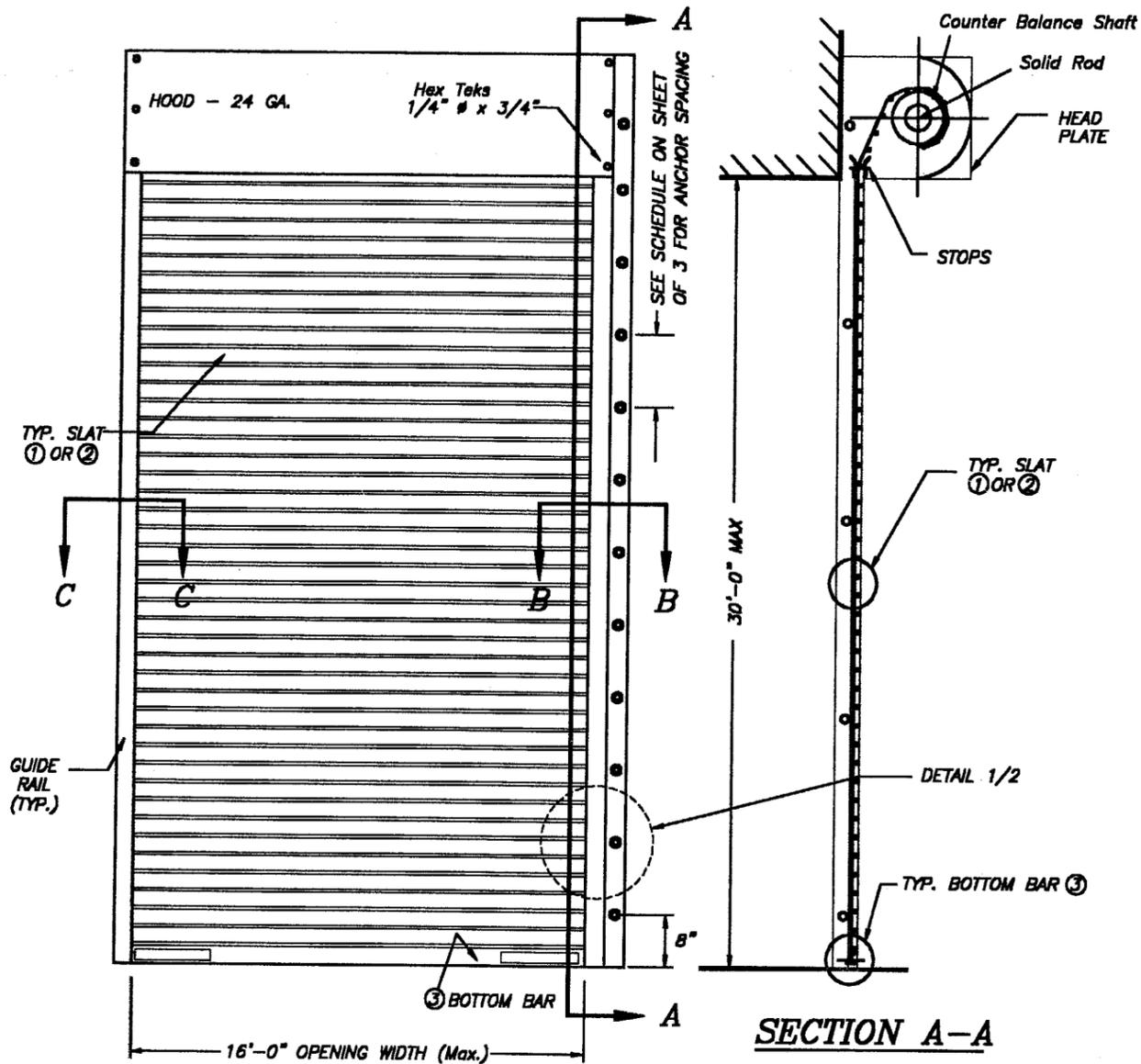
NOTICE OF ACCEPTANCE STANDARD CONDITIONS

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.



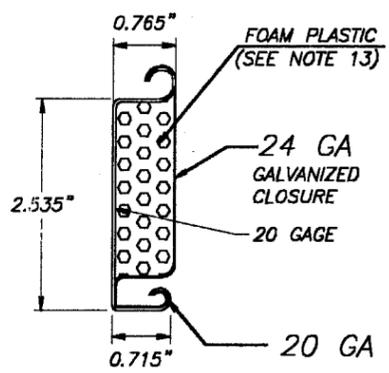
Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



TYPICAL DOOR ELEVATION

① FLAT SLAT

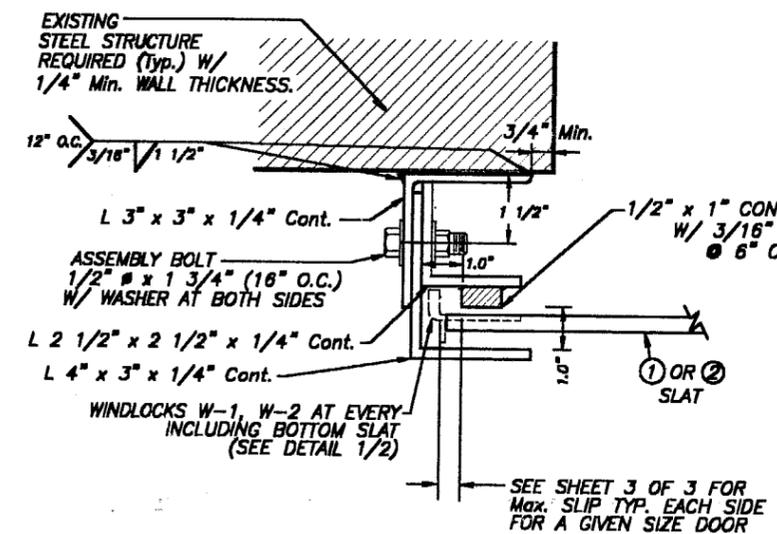


② INSULATED SLAT

SCALE: 1/2"=1"

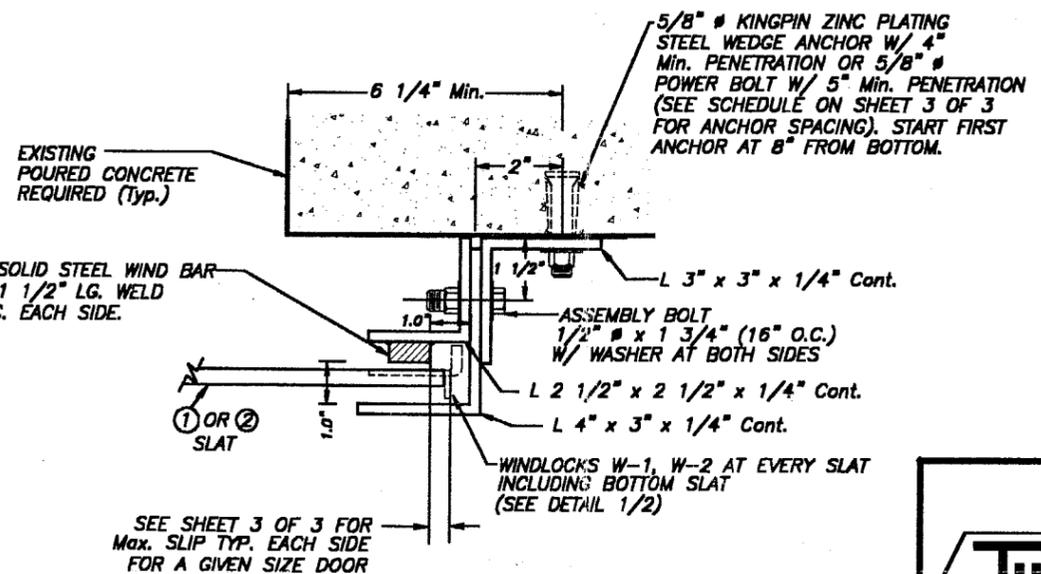
GENERAL NOTES:

- 1- This door has been designed in accordance with the South Florida Building Code, 1994 edition.
- 2- Positive and negative design pressure shall be determined in accordance with ASCE 7-88 "Minimum Design Loads for Building and Other Structures"; for a minimum basic wind speed of 110 m.p.h.
- 3- The details and specifications shown here in represent the products tested for impact, cyclic and uniform static air pressure in conformance with Dade County protocols PA 201, 202, and 203 as per HTL report # 0204-0710-99 with design loads as follows:
 -Positive Design Load 60.0 PSF
 -Negative Design Load 60.0 PSF
- 4- Slat to be A.S.T.M. A-653 Grade 50 Structural quality steel with a minimum $F_y = 50.0$ ksi and G-90 galvanizing, or A.I.S.I. series stainless steel manufactured with a minimum yield strength of $F_y = 50.0$ ksi.
- 5- All steel angles & channels to be A.S.T.M. A-36 designation, shop primed against corrosion prior to installation.
- 6- All assembly bolts to be S.A.E. Grade 2 or A.S.T.M. A-307 cadmium plated or galvanized steel.
- 7- Steel windbars to be A.S.T.M. A-36 designation, shop primed prior to installation.
- 8- Windlocks to be "Malleable Iron" $F_y=42$ ksi or A.I.S.I. designation steel with $F_y = 40$ ksi.
- 9- Hood to be 24 Ga. A.S.T.M. A-525 designation G-90 finish type coating.
- 10- All rivets to be A.I.S.I. 1006 Steel, Cadmium Plated, Stainless Steel or Zinc Plated w/ $F_y= 37,000$ psi
- 11- Concrete anchors to be as manufactured by U. S. Anchors Corporation or Powers Fastening, Inc. and shall be installed following all of the recommendations and specifications of the anchor's manufacturer.
- 12- All welding to conform to American Welding Society's latest edition's regulations, and the South Florida Building Code. Use A.W.S A5.1 or A5.5 E60xx electrodes with min. 3/16" fillet size.
- 13- Insulation material shall be AFM-Expanded Polystyrene Insulation, manufactured by ALLIED FOAM PRODUCTS, INC. with 1.93 Lb/ft³ density.
- 14- This door may be installed with slats concave side facing outside or inside of building.
- 15- It shall be the responsibility of the contractor to verify that the existing structure is designed to support V_x and V_y forces at both jambs. See sheet 3 of 3, for V_x & V_y values.
- 16- Roll up mechanism not included in this approval.



SECTIONS C-C

SCALE: 1/4"=1"

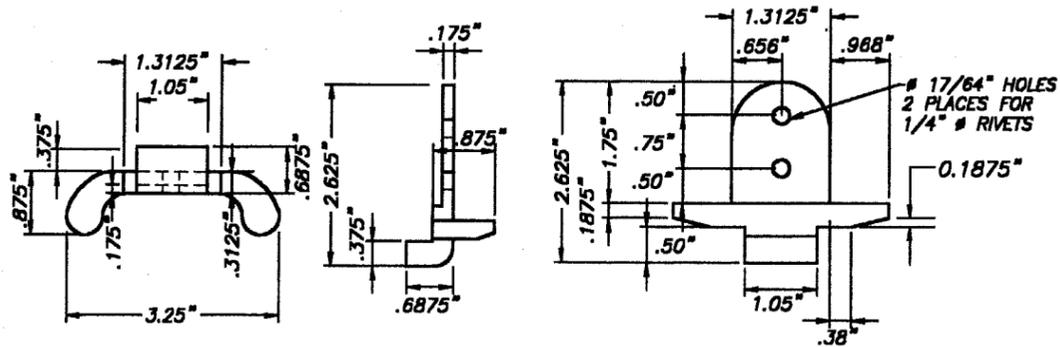


SECTIONS B-B

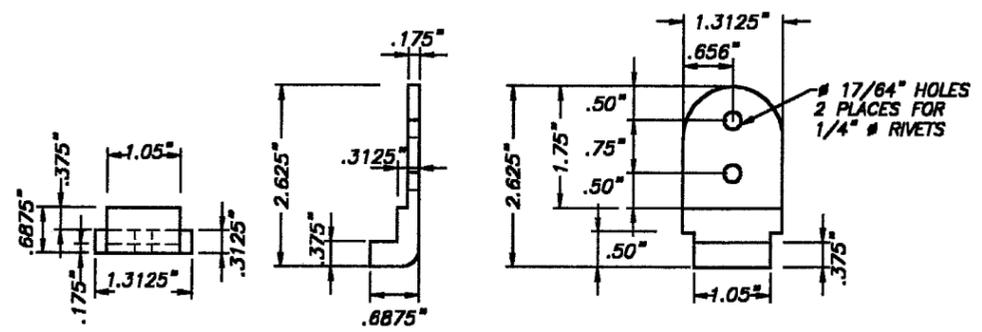
SCALE: 1/4"=1"

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE December 14, 2000
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0919.09 MIAMI-DADE COUNTY

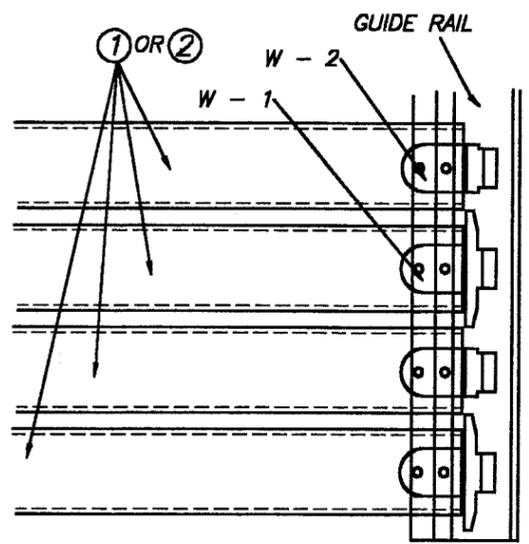
 TILECO Inc. TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33188 Phone: (305)871-1530, Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167		ROLL-UP DOOR TGW ROLLING DOORS, INC. 1891 E 11th AVE. HIALEAH, FL 33010		AS SHOWN SCALE	
		DATE 7/6/99 DRAWING No 99 - 218		SHEET 1 OF 3	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	SLATS	8/9/00	2		
2			4		



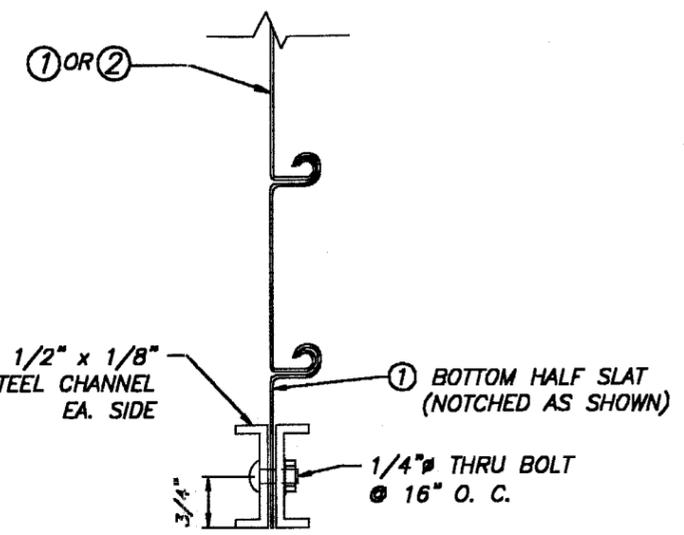
TYPICAL WINDLOCK W-1 DETAIL
SCALE : 3/8" = 1"



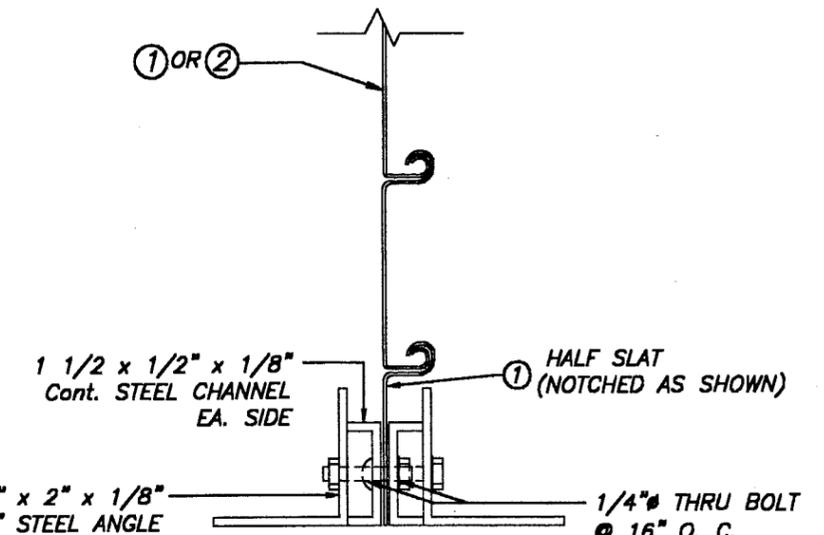
TYPICAL WINDLOCKS W - 2 DETAIL
SCALE : 3/8" = 1"



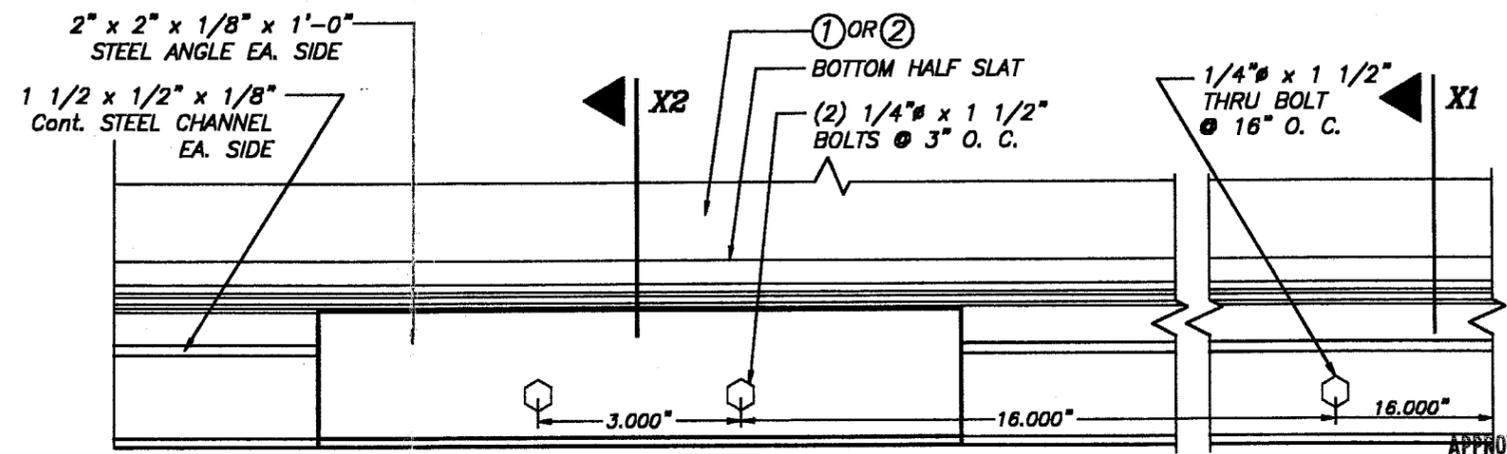
(ELEVATION)
DETAIL 1
SCALE : 3/16" = 1"



SECTION X1
③ BOTTOM BAR DETAIL
SCALE : 3/8" = 1"



SECTION X2
BOTTOM BAR ③ W/ ANGLE
SCALE : 3/8" = 1"



ELEVATION
BOTTOM BAR ③ W/ BRACKET
SCALE : 3/8" = 1"

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MIAMI-DADE COUNTY

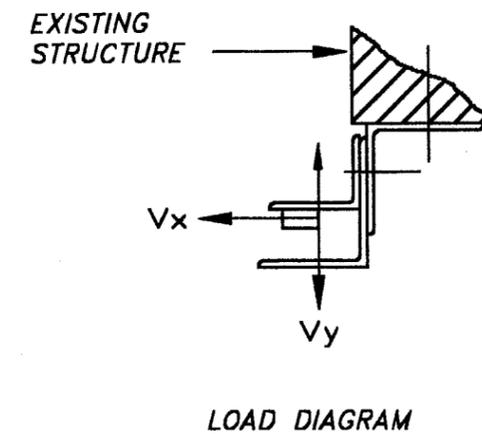
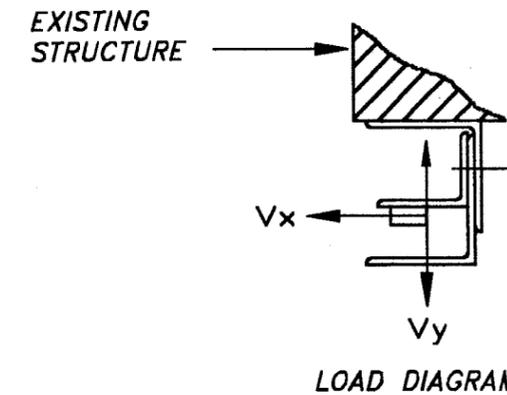
David [Signature]
8/2/00

 TILECO Inc. TILLIT TESTING & ENGINEERING COMPANY 6995 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33168 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44187		ROLL-UP DOOR		AS SHOWN SCALE
		TGW ROLLING DOORS, INC. 1891 E 11th AVE. HIALEAH, FL. 33010		7/6/99 DATE
				99 - 218 DRAWING No
				SHEET 2 OF 3

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	GENERAL	9/5/00	3	-	-
2	-	-	4	-	-

V_x & V_y REACTIONS & ANCHOR SCHEDULE

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (Ft.)	SLIP (In)	V _x (Lb/Ft)	V _y (Lb/Ft)	ANCHOR SPACING			
					FOR Min. f'c = 2000 psi CONCRETE		FOR Min. f'c = 4000 psi CONCRETE	
					TYPE 1 *	TYPE 2 **	TYPE 1 *	TYPE 2 **
+50.0, -50.0	10'-0" OR LESS	1/8"	1138	250	9"	12"	10 1/2"	12"
	12'-0"	1/4"	1316	300	7 1/2"	10"	9"	12"
	14'-0"	7/16"	1421	350	7"	9"	8"	10 1/2"
	16'-0"	5/8"	1595	400	6"	8"	7 1/2"	9 1/2"
+60.0, -60.0	10'-0" OR LESS	1/8"	1585	300	6 1/2"	9"	8"	10 1/2"
	12'-0"	1/4"	1731	360	6"	8"	7"	9"
	14'-0"	7/16"	1817	420	5 1/2"	7"	6 1/2"	8 1/2"
	16'-0"	5/8"	2000	480	5"	6 1/2"	6"	7 1/2"



* TYPE 1 ANCHOR : 5/8" Ø KINGPIN ZINC PLATING W/ 5" MINIMUM EMBEDMENT.
 ** TYPE 2 ANCHOR : 5/8" Ø POWER BOLT W/ 4" MINIMUM EMBEDMENT.
 MAXIMUM SPACINGS FOR f'c = 3000 psi CONCRETE MAY BE INTERPOLATED IN BETWEEN f'c = 2000 psi AND f'c = 4000 psi

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 DATE December 14, 2000
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0919.09

MIAMI-DADE COUNTY

[Handwritten Signature]
 9/2/00

 TILLIT TESTING & ENGINEERING COMPANY 6585 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33186 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167	ROLL-UP DOOR TGW ROLLING DOORS, INC. 1891 E 11th AVE. HIALEAH, FL. 33010	SCALE 7/8/99 DATE 99 - 218 DRAWING No																	
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE														
1	SCHEDULE	8/5/00	3	-	-														
2	-	-	4	-	-														