



**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)

**South Florida Rolling Door, Inc.
2724 B West 79th Street
Hialeah, FL 33016**

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 24' wide Roll-Up Door.

APPROVAL DOCUMENT: Drawing No. 03-145, dated 07/08/03, with last revision on 07/08/03, titled "24' Roll-Up Door", sheets 1 through 3 of 3, prepared by Tiltco, Inc. signed and sealed by W. A. Tillit, 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", 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 # 03-0206.12 and, consists of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**

(Signature)
10/16/03



**NOA No 03-0722.03
Expiration Date: October 16, 2008
Approval Date: October 16, 2003
Page 1**

South Florida Rolling Door, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING:

1. Drawing No. 03-145, titled "24' Roll-Up Door Door", sheet 1 and 3 of 3, prepared by Tilteco, Inc., dated 07/08/03, with latest revision on 07/08/03, signed and sealed by W. A. Tillit Jr, PE.

B. TEST:

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 "20 Ga Steel Roll-Up Door". Prepared by Hurricane Test Laboratory, Inc., report # 0204-0902-00, specimens 1, 2 & 3, dated 08/29/00 & 09/02/00, signed and sealed by V. J. Abraham. PE.

C. CALCULATIONS:

1. Calculations for attachment of guide to steel or masonry jamb, prepared by Tilteco, Inc., dated 09/14/00, sheets 1 to 29 of 29, signed and sealed by W. A. Tillit Jr, PE.

D. QUALITY ASSURANCE.

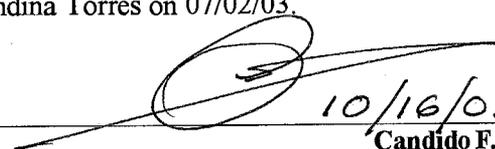
1. Miami Dade County. Building Code Compliance Office.

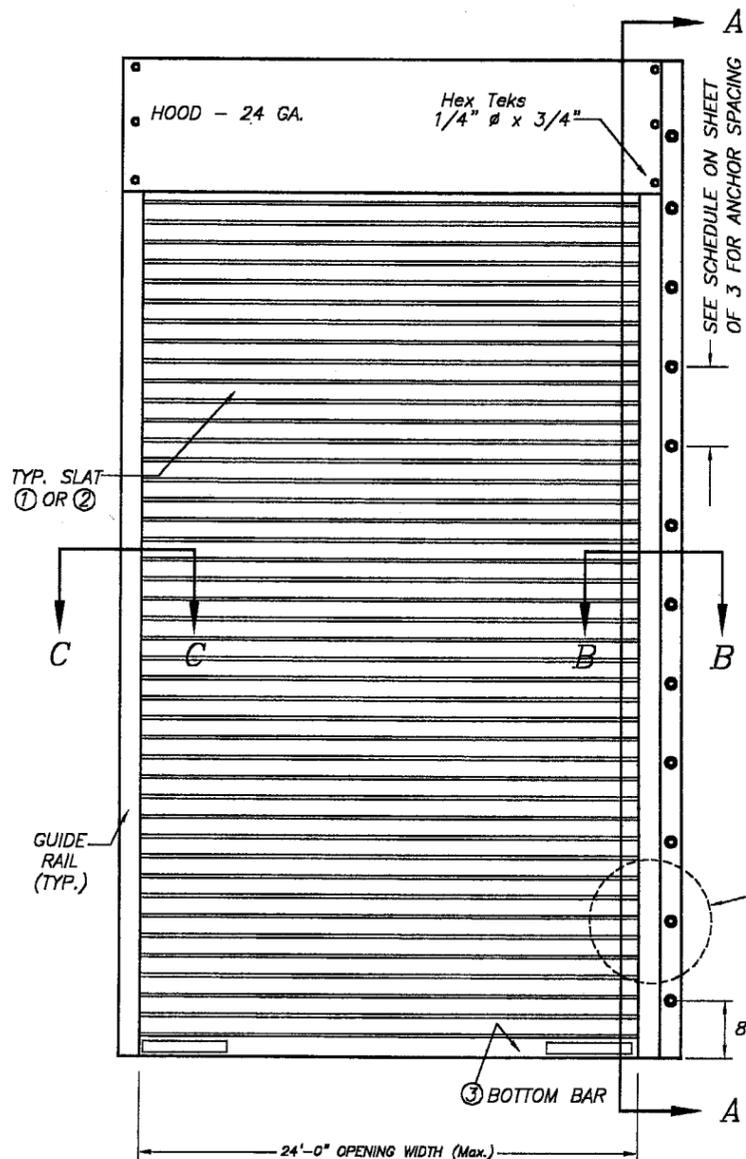
E. STATEMENTS:

1. Test Compliance letter issued by Hurricane Test Laboratory, Inc., on 10/17/2000, signed by V. J. Abraham, PE.
2. Compliance letter issued by Tilteco, Inc, on 11/21/2000, signed and sealed by W. A. Tillit Jr, PE.
3. No financial interest letter issued by Tilteco, Inc. on 11/21/2000, signed and sealed by W. A. Tillit, PE.
4. Test clarification letter issued by Hurricane Test Laboratory, Inc. on 05/08/2001, signed and sealed by V. J. Abraham, PE.

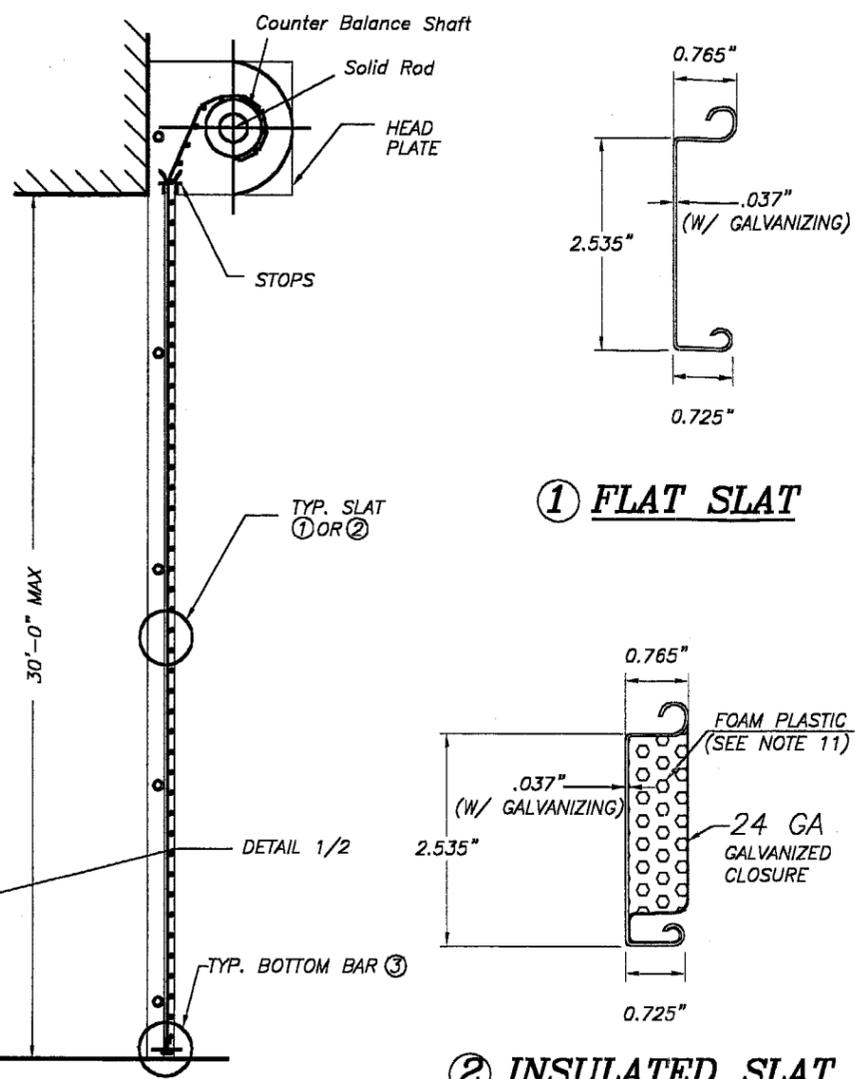
F. MATERIAL CERTIFICATION:

1. Product Control Notice of Acceptance No. 00-0403.11 issued to Allied Foam Products on 07/20/200, expiring on 06/19/2003.
2. Test report on tensile test of 1 Sample issued by Q C Metallurgical, Inc. on 12/13/2000, signed and sealed by F. Grate, PE.
3. No change letter issued by Tilteco, Inc on 12/17/02, signed and sealed by W. A. Tillit Jr. PE.
4. Bill of Sale of NOA numbers 01-0326.02 & 01-0622.01 from T.G.W. Rolling Doors, Inc to South Florida Rolling Doors, Inc, signed by Fidel & Ondina Torres on 07/02/03.


10/16/03
Candido F. Font PE
Senior Product Control Examiner
NOA No 03-0722.03
Expiration Date: October 16, 2008
Approval Date: October 16, 2003

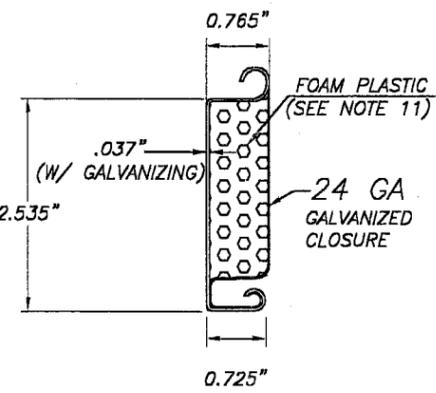


TYPICAL DOOR ELEVATION



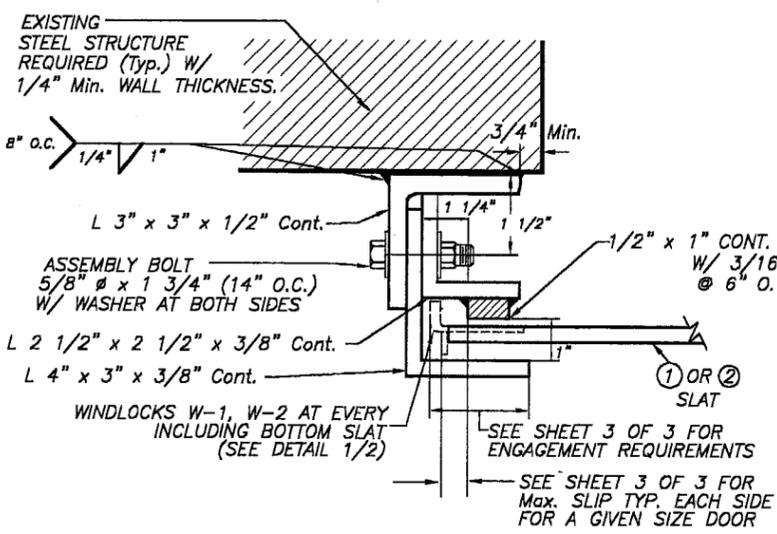
SECTION A-A

① FLAT SLAT



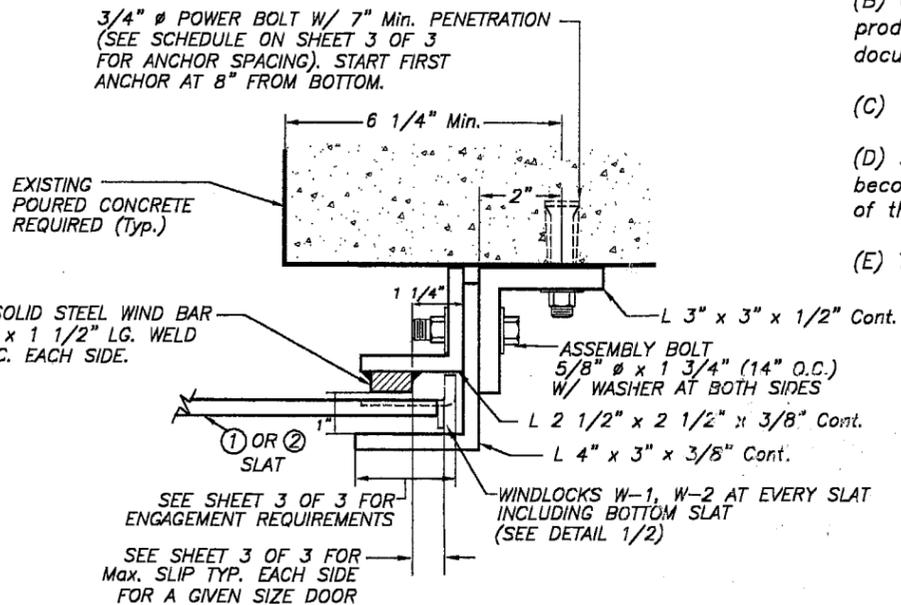
② INSULATED SLAT

SCALE: 1/2"=1"



SECTIONS C-C

SCALE: 1/4"=1"



SECTIONS B-B

SCALE: 1/4"=1"

GENERAL NOTES:

1- Roll-Up Door shown on this Product Approval Document (P.A.D.) has been designed in accordance with the 2001 Edition of the Florida Building Code. Design wind loads shall be Determined as per section 1619 of the above mentioned code, for a basic wind speed of 146 m.p.h., and in accordance w/ ASCE 7-98. standard. Roll-Up Door's adequacy for impact and fatigue resistance has been verified in accordance with section 1606.1.4 of the above mentioned code as per HTL report # 0204-0902-00 as per PA-201, PA-202 & PA-203 standard.

Max. design load is: +55.0, -55.0 psf.

- 2- 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.
- 3- All steel angles and channels to be A.S.T.M. A-36 designation, shop primed against corrosion prior to installation.
- 4- All assembly bolts to be S.A.E. Grade 2 or A.S.T.M. A-307 cadmium plated or galvanized steel.
- 5- Steel windbars to be A.S.T.M. A-36 designation, shop primed prior to installation.
- 6- Windlocks to be "Malleable Iron" $F_y=42$ ksi or A.I.S.I. designation steel with $F_y = 40$ ksi.
- 7- Hood to be 24 Ga. A.S.T.M. A-525 designation G-90 finish type coating.
- 8- All rivets to be A.I.S.I. 1006 Steel, Cadmium Plated, Stainless Steel or Zinc Plated with $F_y=37,000$ psi.
- 9- Concrete anchors to be as manufactured by Powers Fastening, Inc. and shall be installed following all of the recommendations and specifications of the anchor's manufacturer.
- 10- All welding to conform to American Welding Society's latest edition's regulations, and the Florida Building Code. Use A.W.S A5.1 or A5.5 E60xx electrodes with min. 3/16" fillet size.
- 11- Insulation material shall be AFM-Expanded Polystyrene Insulation, manufactured by ALLIED FOAM PRODUCTS, INC. with 1.93 Lb/ft³ density.
- 12- This door may be installed with slats concave side facing outside or inside of building.
- 13- 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.
- 14- Roll up mechanism not included in this approval. BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.
- 15- (A) This P.A.D. prepared by this Engineer is generic and does not provide information for a site specific project; i.e. where the site conditions deviate from the P.A.D.

- (B) Contractor to be responsible for the selection, purchase and installation including life safety of this product based on this P.A.D. provided he/she does not deviate from the conditions detailed on this document.
- (C) This P.A.D. will be considered invalid if modified.
- (D) Site specific projects shall be prepared by a Florida Registered Engineer or Architect which will become the Professional of Record (P.O.R) for the project and who will be responsible for the proper use of the P.A.D.
- (E) This P.A.D. shall comply with section 2: 61G15 of the Florida Administrative Code.

PRODUCT REVISED
 In compliance with the Florida Building Code
 Approved By: **03-0122.03**
 10/16/08
 By:
 Division

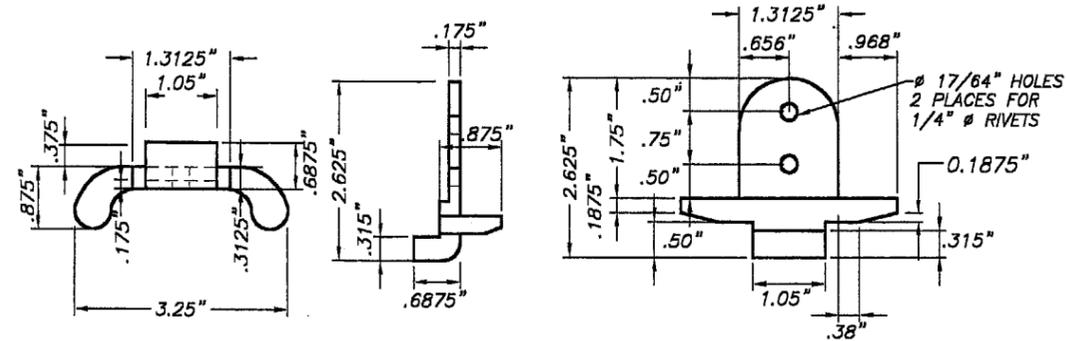
TILECO Inc.
 TILLIT TESTING & ENGINEERING COMPANY
 6585 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33166
 Phone : (305)871-1530 . Fax : (305)871-1531
 EB-0006719
 WALTER A. TILLIT Jr. P. E.
 FLORIDA Lic. # 44167

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

24' ROLL-UP DOOR		AS SHOWN SCALE
SOUTH FLORIDA ROLLING DOOR, INC.		7/8/03 DATE
2724 B WEST 79th STREET HIALEAH, FLORIDA 33016		03-145 DRAWING No
REV. NO	DESCRIPTION	DATE
1	OLD 02-316	7/8/03
2		

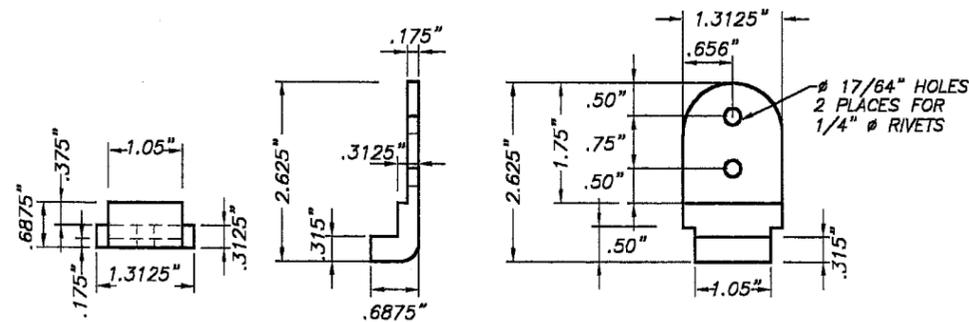
SHEET 1 OF 3

JUL 14 2003



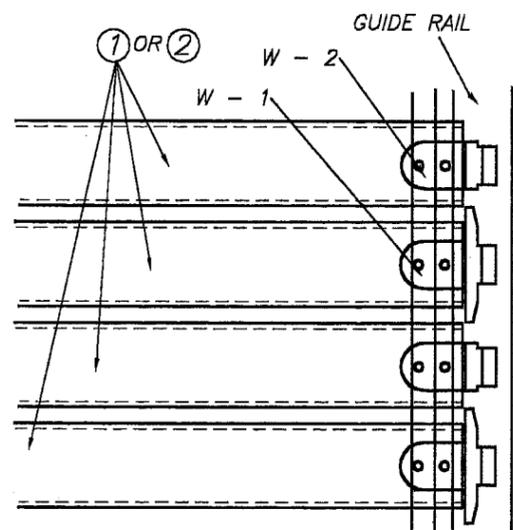
TYPICAL WINDLOCK W-1 DETAIL

SCALE : 3/8" = 1"



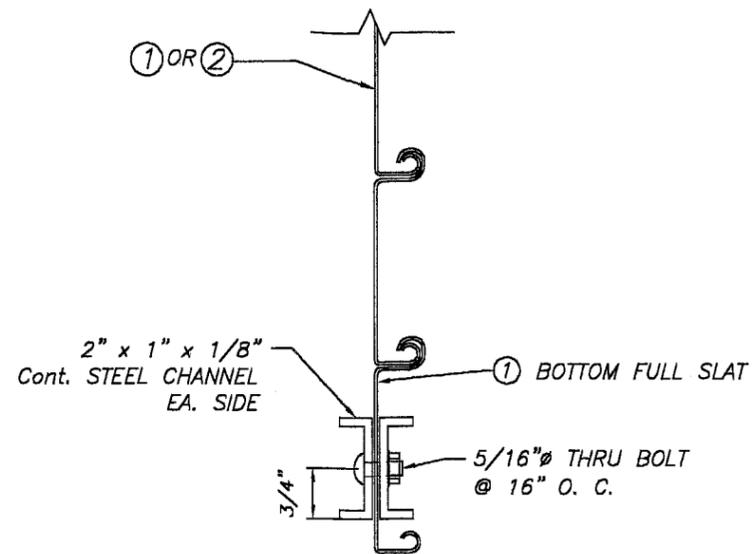
TYPICAL WINDLOCKS W - 2 DETAIL

SCALE : 3/8" = 1"



(ELEVATION)
DETAIL 1

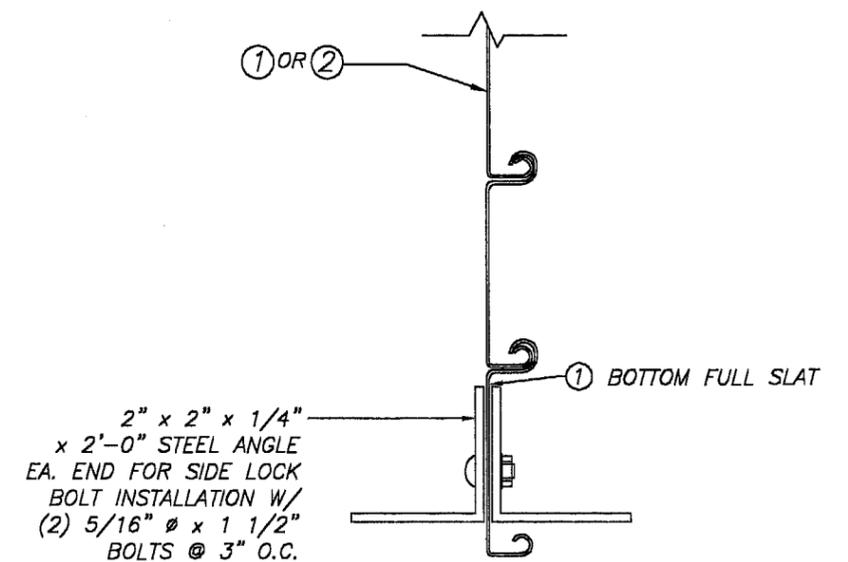
SCALE : 3/16" = 1"



SECTION XI

3 BOTTOM BAR DETAIL

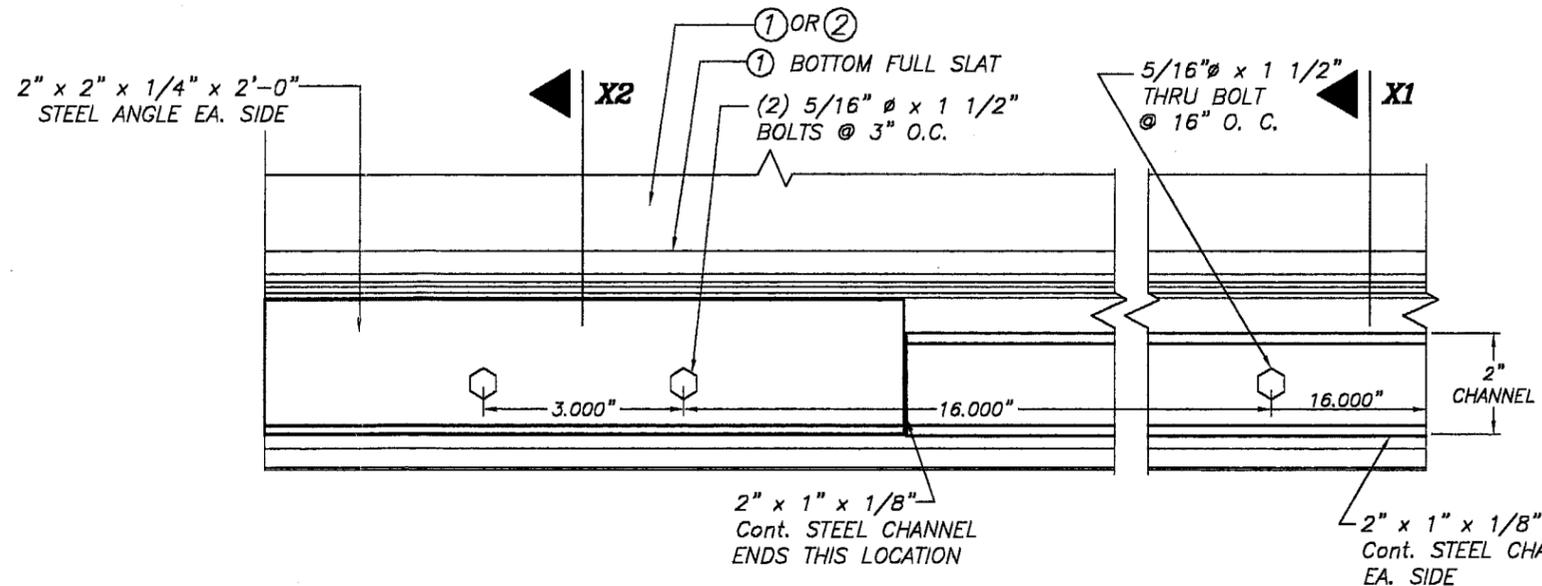
SCALE : 3/8" = 1"



SECTION X2

BOTTOM BAR 3 W/ ANGLE

SCALE : 3/8" = 1"



ELEVATION

BOTTOM BAR 3 W/ BRACKET

SCALE : 3/8" = 1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-072203
Expiration Date 10/16/08

By
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

JUL 14 2003

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6595 N.W. 36th, St., Ste. 217, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr. P. E.
FLORIDA Lic. # 44167

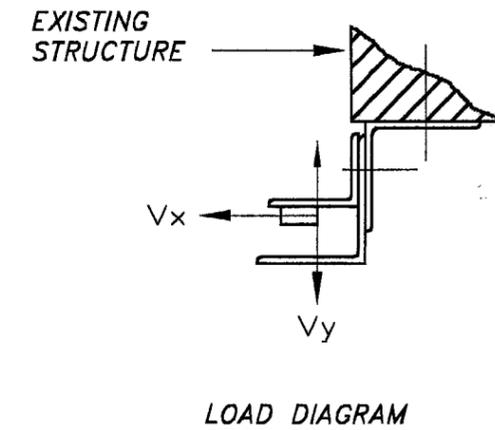
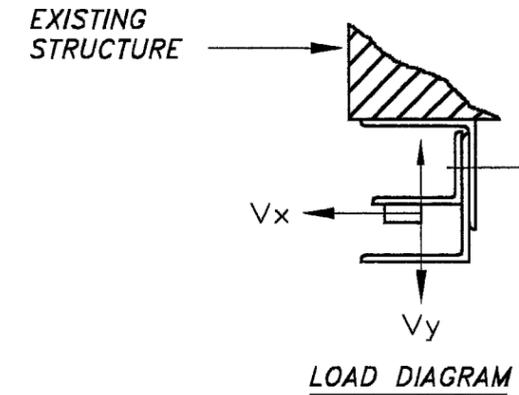
24' ROLL-UP DOOR
SOUTH FLORIDA ROLLING DOOR, INC.
2724 B WEST 79th STREET
HALEAH, FLORIDA 33018

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 02-516	7/8/03	3	-	-
2	-	-	4	-	-

AS SHOWN SCALE
7/8/03 DATE
03-145 DRAWING No
SHEET 2 OF 3

Vx & Vy REACTIONS & ANCHOR SCHEDULE

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (Ft)	SLIP (In)	Vx (Lb/Ft)	Vy (Lb/Ft)	ANCHOR SPACING	REQUIRED ENGAGEMENT (In)
					FOR Min. $f'_c = 3000$ psi CONCRETE TYPE 1*	
+45.0, -45.0	18'-0" OR LESS	15/16"	1436	405	11"	2 5/8"
	20'-0"	15/16"	1804	450	9"	2 5/8"
	22'-0"	15/16"	2171	495	8"	2 5/8"
	24'-0"	15/16"	2542	540	7"	2 5/8"
+55.0, -55.0	18'-0" OR LESS	7/8"	1906	495	9 1/2"	2 9/16"
	20'-0"	15/16"	2266	550	8"	2 5/8"
	22'-0"	15/16"	2704	605	7"	2 5/8"
	24'-0"	15/16"	3149	660	6"	2 5/8"



* TYPE 1 ANCHOR : 3/4" ϕ POWER BOLT W/ 7" MINIMUM EMBEDMENT, MANUFACTURED BY POWERS FASTENING INC.

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 03-0722.03
Expiration Date 10/16/08
By: [Signature]
Miami-Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

JUL 14 2003

 TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167	24' ROLL-UP DOOR		AS SHOWN SCALE		
	SOUTH FLORIDA ROLLING DOOR, INC. 2724 B WEST 79th STREET HIALEAH, FLORIDA 33016		7/8/03 DATE		
			03-145 DRAWING No		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 02-516	7/8/03	3	-	-
2	-	-	4	-	-
					SHEET 3 OF 3