



**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: 16' wide Roll-Up Door.

APPROVAL DOCUMENT: Drawing No. 03-144, dated 07/07/03, with last revision on 07/07/03, titled "16' Roll-Up Door", sheets 1 through 3 of 3, prepared by Tilteco, 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 # 01-0622.01 and, consists of this page, evidence page as well as approval document mentioned above.

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

[Handwritten Signature]
10/16/03



**NOA No 03-0722.04
Expiration Date: October 16, 2008
Approval Date: October 16, 2003**

South Florida Rolling Door, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING:

1. Drawing No. 03-144, titled "16' Roll-Up Door", sheet 1 through 3 of 3, prepared by Tilteco, Inc, dated 07/07/03, with last revision on 07/07/03, signed and sealed by W. A. Tillit, Jr. PE.

B TEST:

1. Test report on Uniform Static Air Pressure per PA 202, Large Missile Impact Test per PA 201 and Cyclic Wind Pressure Test per PA 203 of "22 GA. ROLL- UP DOORS", prepared by Hurricane Test Laboratory, Inc., report No. 0204-0520-01, dated 05/31-06/14/01, signed and sealed by V. J. Abraham, PE.

C CALCULATIONS:

1. Calculations prepared by Tillit Testing & Engineering Company, sheets 1 to 26 for "16' Roll-Up Door", signed and sealed by W. A. Tillit, PE. on 06/25/01.

D QUALITY ASSURANCE

1. Miami-Dade County. Building Code Compliance Office.

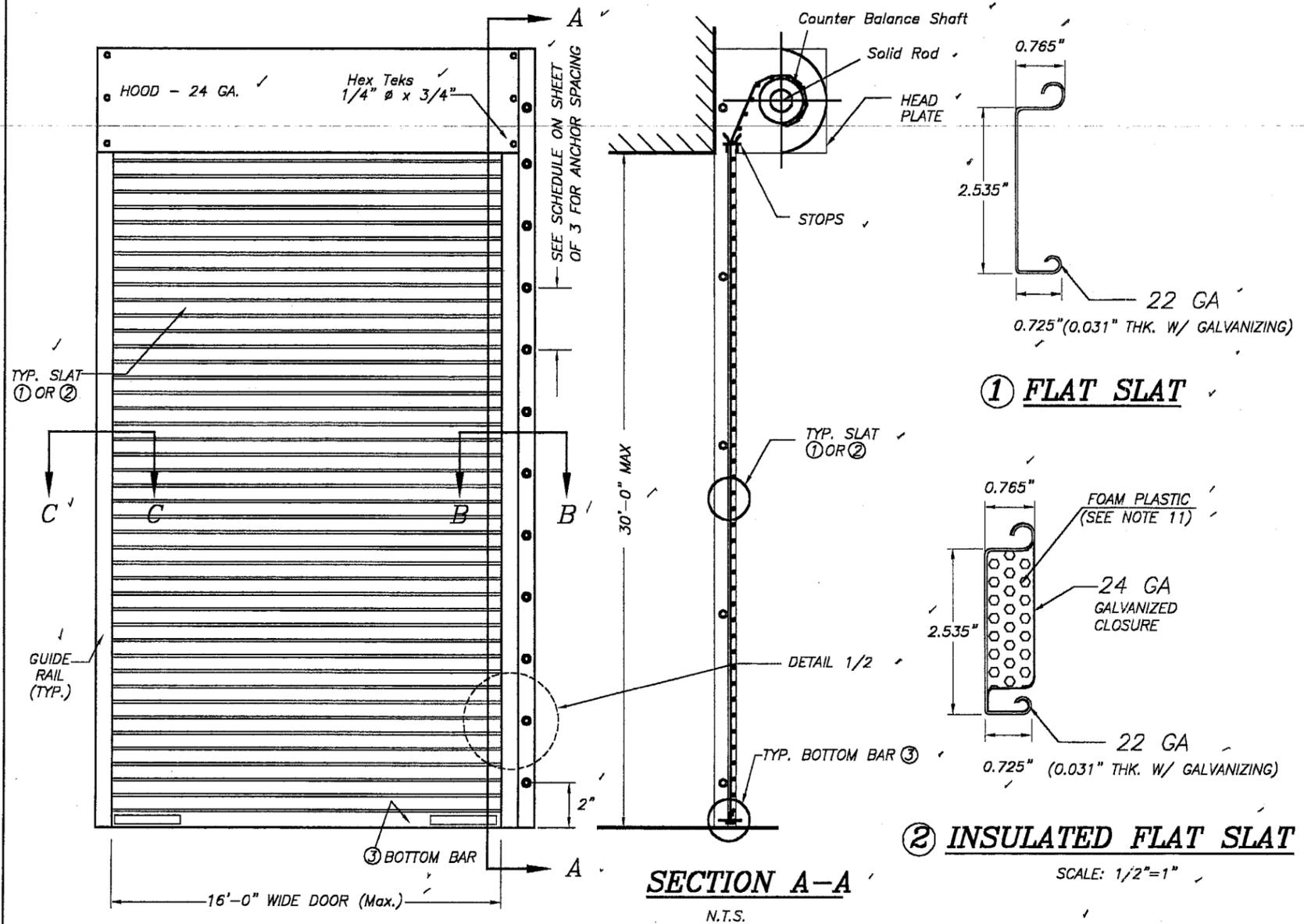
E STATEMENTS:

1. No Financial interest letter issued by Tilteco, Inc., on 06/22/01, signed and sealed by W. A. Tillit Jr. PE.
2. Test Compliance letter issued by Hurricane Test Laboratory, Inc., on 06/18/01, signed and sealed by V. J. Abraham, PE.
3. Code Compliance letter issued by Tilteco, Inc., on 06/22/01, signed and sealed by W. A. Tillit, Jr. PE.

F. MATERIAL CERTIFICATION:

1. Test Report on Tensile Test per ASTM E-8, of 1 sample Job # 0204-0520-01 (Specimen # 1), prepared by Q. C. Metallurgical, dated 07/06/01, signed and sealed by R. Kelly.
2. Report of Test and Analysis prepared by Bethlehem Steel Corporation, dated 06/28/2000 and signed by C. R. Richard.
3. Product Control Notice of Acceptance issued to Allied Foam Products, Inc. on 06/19/97, expiring on 06/19/2000.
4. Bill of Sale of NOA numbers 01-0326.02 & 01-0622.01 from TGW Rolling Doors, Inc to South Florida Rolling Doors, Inc signed by Ondina & Fidel Torres on 07/02/03.


Candido F. Font PE
Senior Product Control Examiner
NOA No 03-0722.04
Expiration Date: October 16, 2008
Approval Date: October 16, 2003



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 # 0204-0710-99 as per PA-201, PA-202 & PA-203 standard.

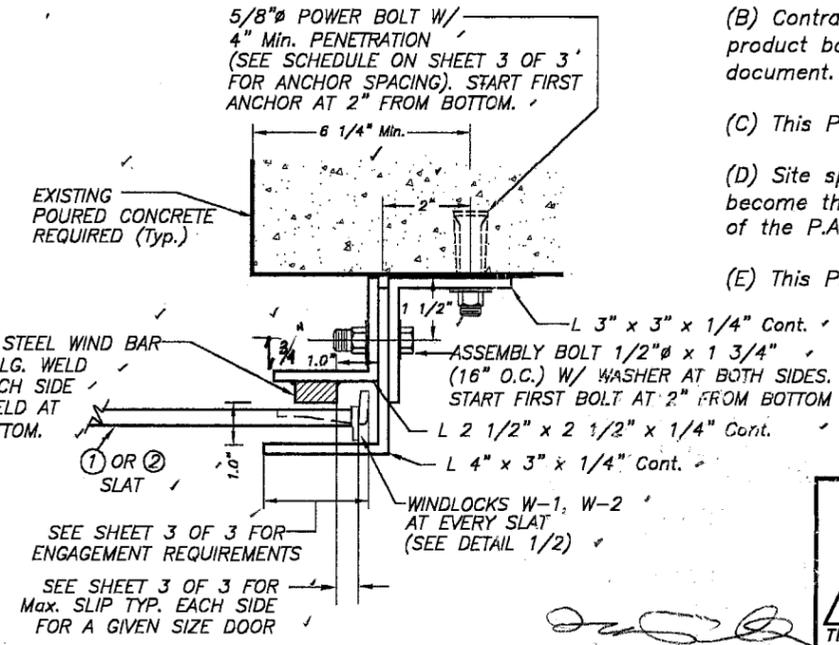
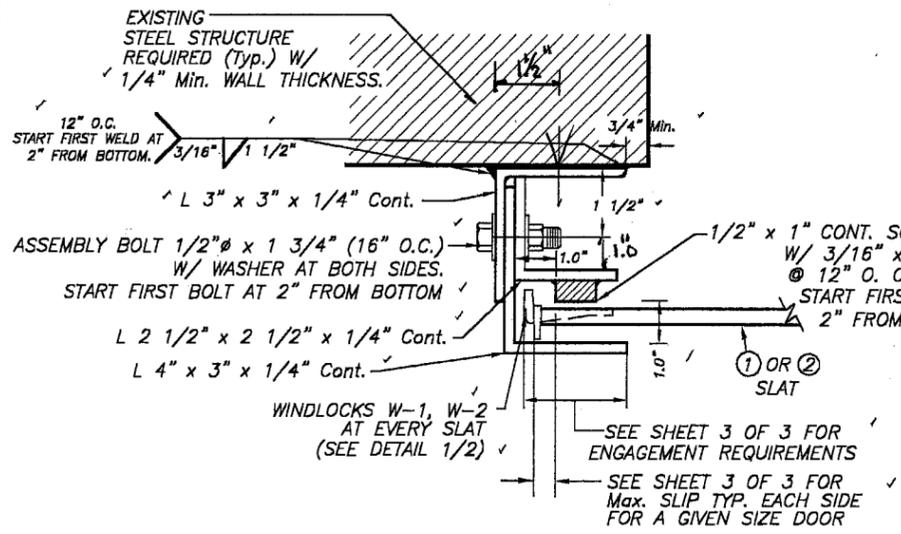
Max. design load is: +60.0, -60.0 psf.

- 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 cast Iron as per A.S.T.M. A47 grade 32510 with a minimum Tensile Strength of 50000 psi., and a minimum Yield Strength of 32,500 psi.
- 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.

TYPICAL DOOR ELEVATION
N.T.S.

1 FLAT SLAT
SCALE: 1/2"=1"

2 INSULATED FLAT SLAT
SCALE: 1/2"=1"



SECTIONS C-C
SCALE: 1/4"=1"

SECTIONS B-B
SCALE: 1/4"=1"

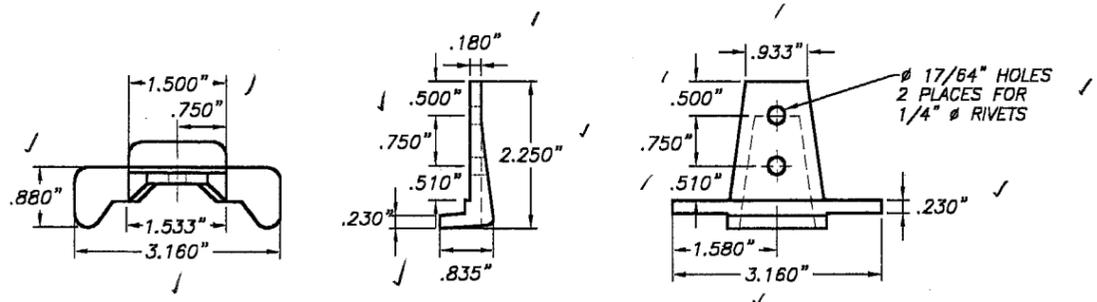
- (B) Contractor to be responsible for the selection, purchase and installation including life safety of this product based on this P.A.D. provided he/she does not deviate from the conditions detailed on this document.
- (C) This P.A.D. will be considered invalid if modified.
- (D) Site specific projects 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
to comply with the Florida
Building Code
Acceptance No. 03-072269
Expiration Date 10/16/08
By: [Signature]
Miami In-Place Product Control
Division

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

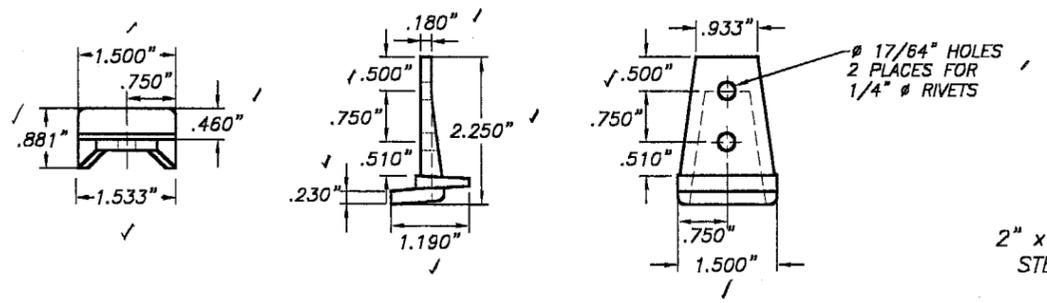
 TILECO INC. TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33168 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		16' ROLL-UP DOOR		AS SHOWN SCALE	
		SOUTH FLORIDA ROLLING DOOR, INC. 2724 B WEST 79th STREET HIALEAH, FLORIDA 33016		7/7/03 DATE	
				03-144 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 02-515	7/7/03	3	-	-
2	-	-	4	-	-

JUL 08 2003



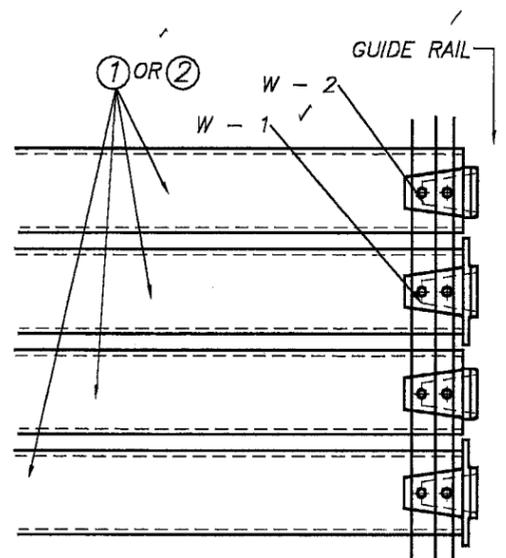
TYPICAL WINDLOCK W-1 DETAIL

SCALE : 3/8" = 1"



TYPICAL WINDLOCKS W - 2 DETAIL

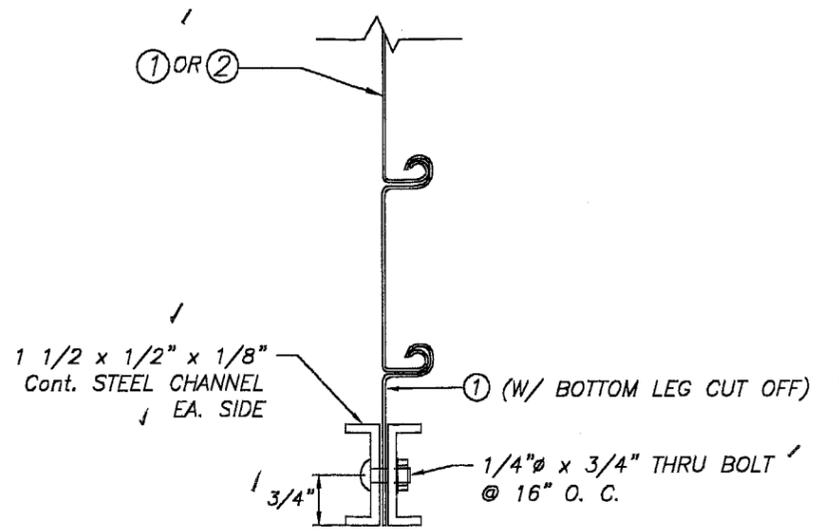
SCALE : 3/8" = 1"



(ELEVATION)

DETAIL 1

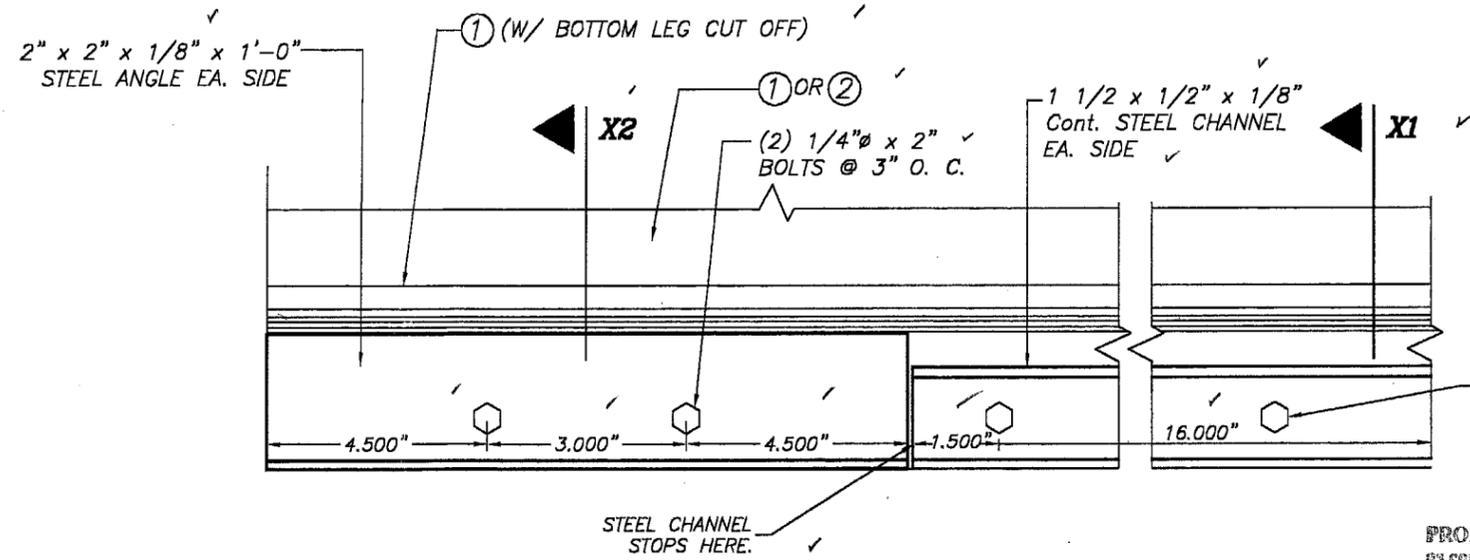
SCALE : 3/16" = 1"



SECTION X1

3 BOTTOM BAR DETAIL

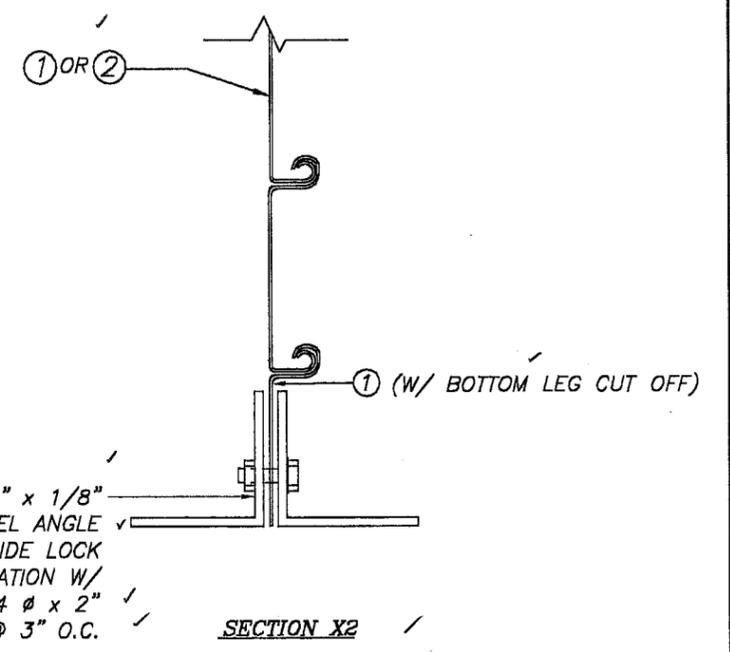
SCALE : 3/8" = 1"



ELEVATION

BOTTOM BAR 3 W/ BRACKET

SCALE : 3/8" = 1"



SECTION X2

BOTTOM ANGLE DETAIL

SCALE : 3/8" = 1"

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0722.04
 Expiration Date 1/16/08
 By: [Signature]
 Miami Dade Product Control
 Division

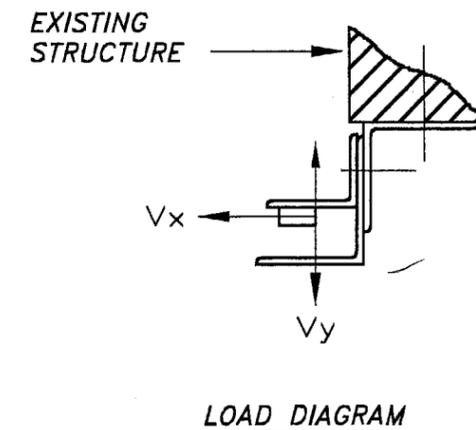
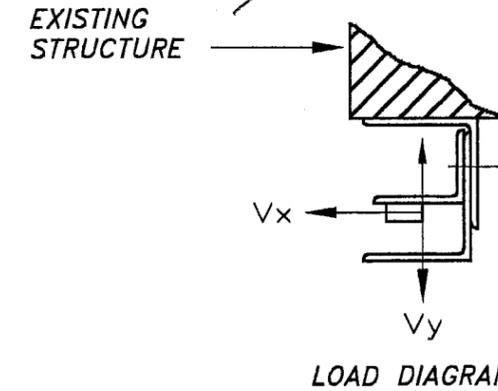
F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

 TILECO Inc. TILLIT TESTING & ENGINEERING COMPANY 6590 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. # 44167		16' ROLL-UP DOOR AS SHOWN SCALE			
		SOUTH FLORIDA ROLLING DOOR, INC. 2724 B WEST 79th STREET HIALEAH, FLORIDA 33016 7/7/03 DATE 03-144 DRAWING No			
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 02-515	7/7/03	3	-	-
2	-	-	4	-	-

JUL 08 2003

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*	
+50.0, -50.0	10'-0"	1/8"	1229	250	12"	2 1/16"
	12'-0"	1/4"	1379	300	10 1/2"	2 3/16"
	14'-0"	7/16"	1467	350	9 1/2"	2 3/8"
	16'-0"	11/16"	1537	400	9"	2 5/8"
+60.0, -60.0	10'-0"	1/8"	1677	300	9"	2 1/16"
	12'-0"	1/4"	1795	360	8 1/2"	2 3/16"
	14'-0"	7/16"	1864	420	8"	2 3/8"
	16'-0"	11/16"	1923	480	7"	2 5/8"



* TYPE 1 ANCHOR : 5/8" ϕ POWER BOLT W/ 4" MINIMUM EMBEDMENT, MANUFACTURED BY POWERS FASTENING INC. ✓

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 03-0722.04
Expiration Date 10/15/08
By: [Signature]
Miami Dade Product Control Division

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

JUL 08 2003

 TILLIT TESTING & ENGINEERING COMPANY 6595 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	16' ROLL-UP DOOR	AS SHOWN SCALE																		
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2	-	-	4	-	-															