



**MIAMI-DADE COUNTY, FLORIDA**  
**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)**

**TGW Rolling Doors, Inc.**  
**3501 NW 74<sup>th</sup> Street**  
**Miami, FL 33147**

**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: 26' wide Roll-Up Door.**

**APPROVAL DOCUMENT:** Drawing No. 02-515, dated 11/07/02, with last revision on 11/07/02, titled "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 1 as well as approval document mentioned above.

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

*(Signature)*  
 4/17/3



**NOA No 03-0206.11**  
**Expiration Date: July 26, 2006**  
**Approval Date: May 08, 2003**  
 Page 1

**TGW Rolling Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A DRAWING:**

1. Drawing No. 02-515, titled "Roll-Up Door", sheet 1 through 3 of 3, prepared by Tilteco, Inc, dated 11/07/02, revised on 11/07/02, 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 STATEMENTS:**

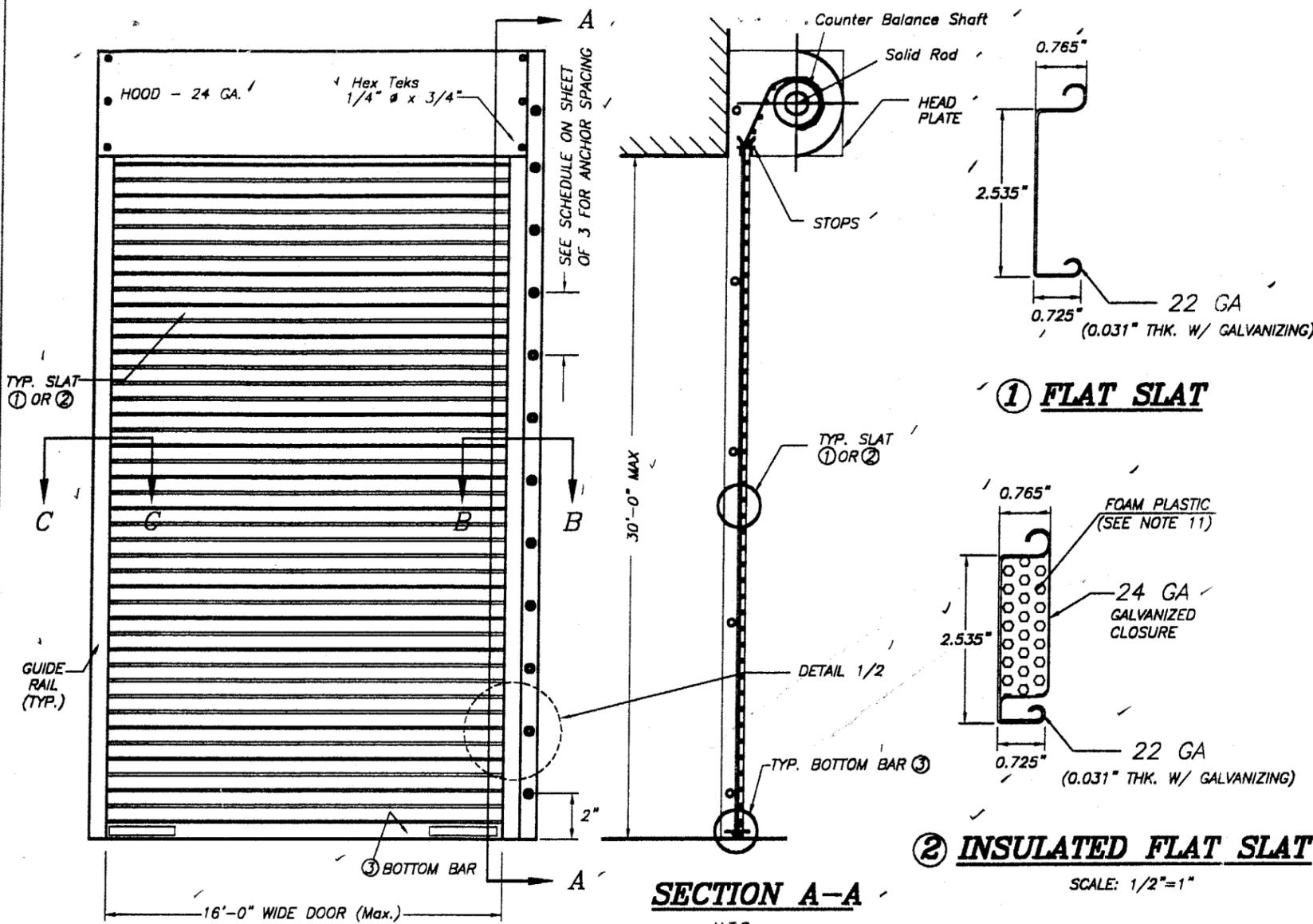
1. No Financial interest letter issued by Tilteco, Inc., on 06/22/01, signed and sealed by W. A. Tillit Jr. PE.
2. Test Compliance letter issued by Hurricane Test Laboratory, Inc., on 06/18/01, signed and sealed by V. J. Abraham, PE.
3. Code Compliance letter issued by Tilteco, Inc., on 06/22/01, signed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

**E. 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. No change letter issued by Tilteco, Inc on 12/17/02, signed and sealed by W. A. Tillit Jr PE.



**Candido F. Font PE**  
**Senior Product Control Examiner**  
**NOA No 03-0206.11**  
**Expiration Date: July 26, 2006**  
**Approval Date: May 08, 2003**



**TYPICAL DOOR ELEVATION**  
N.T.S.

**SECTION A-A**  
N.T.S.

**① FLAT SLAT**

**② INSULATED FLAT SLAT**

SCALE: 1/2"=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 # 0204-0520-01 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/ft<sup>3</sup> 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.

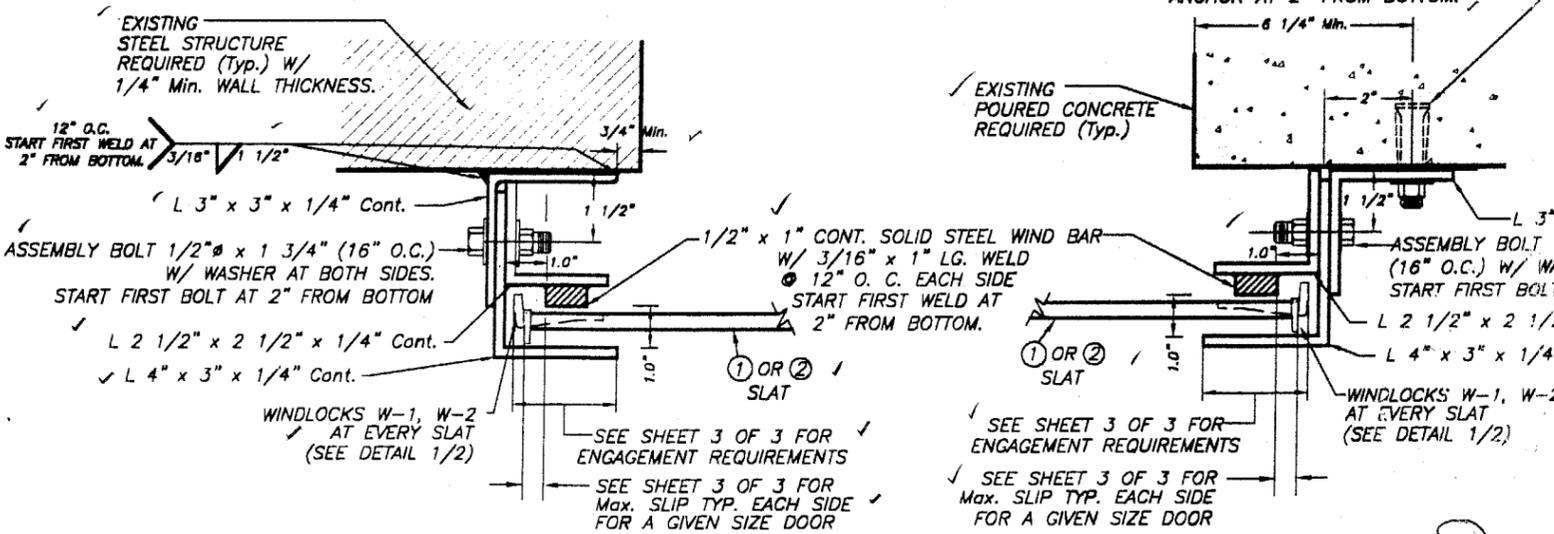
15- (A) This P.A.D. prepared by this Engineer is generic and does not provide information for a site specific project; i.e. where the site conditions deviate from the P.A.D.

(B) Contractor to be responsible for the selection, purchase and installation 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.



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

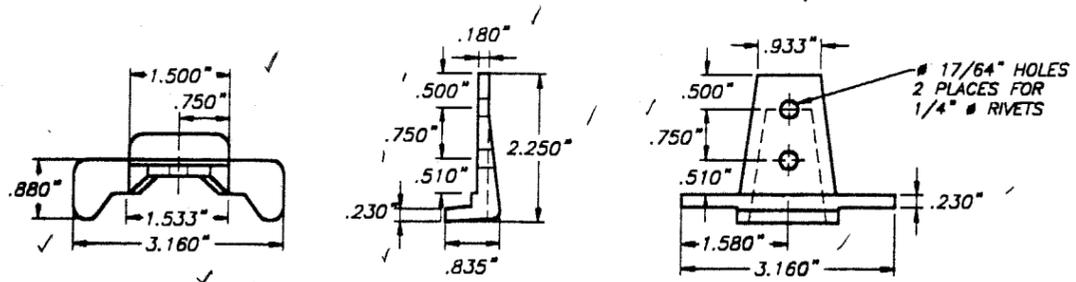
**SECTIONS B-B**  
SCALE: 1/4"=1"

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 03-0206.11  
Expiration Date 07/26/06

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

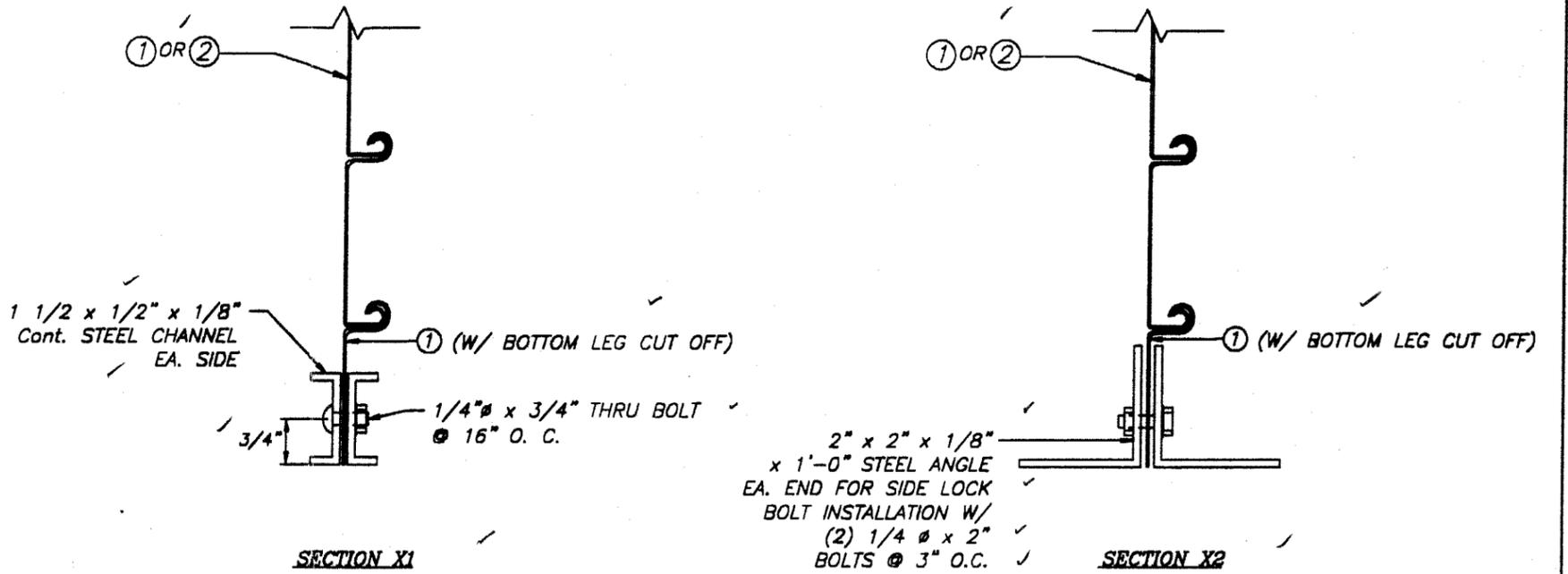
 <b>TILECO Inc.</b> TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		<b>ROLL-UP DOOR</b>  <b>TGW ROLLING DOORS, INC.</b> 3501 N.W. 74th STREET MIAMI, FLORIDA 33147		AS SHOWN SCALE  11/7/02 DATE  02 - 515 DRAWING No  SHEET 1 OF 3	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 01-185	11/7/02	3	-	-
2	-	-	4	-	-

JAN 27 2003



**TYPICAL WINDLOCK W-1 DETAIL**

SCALE : 3/8" = 1"



**SECTION XI**

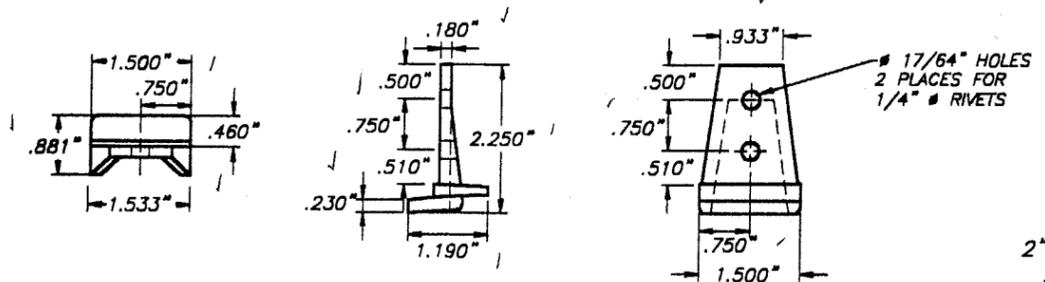
**SECTION X2**

**③ BOTTOM BAR DETAIL**

SCALE : 3/8" = 1"

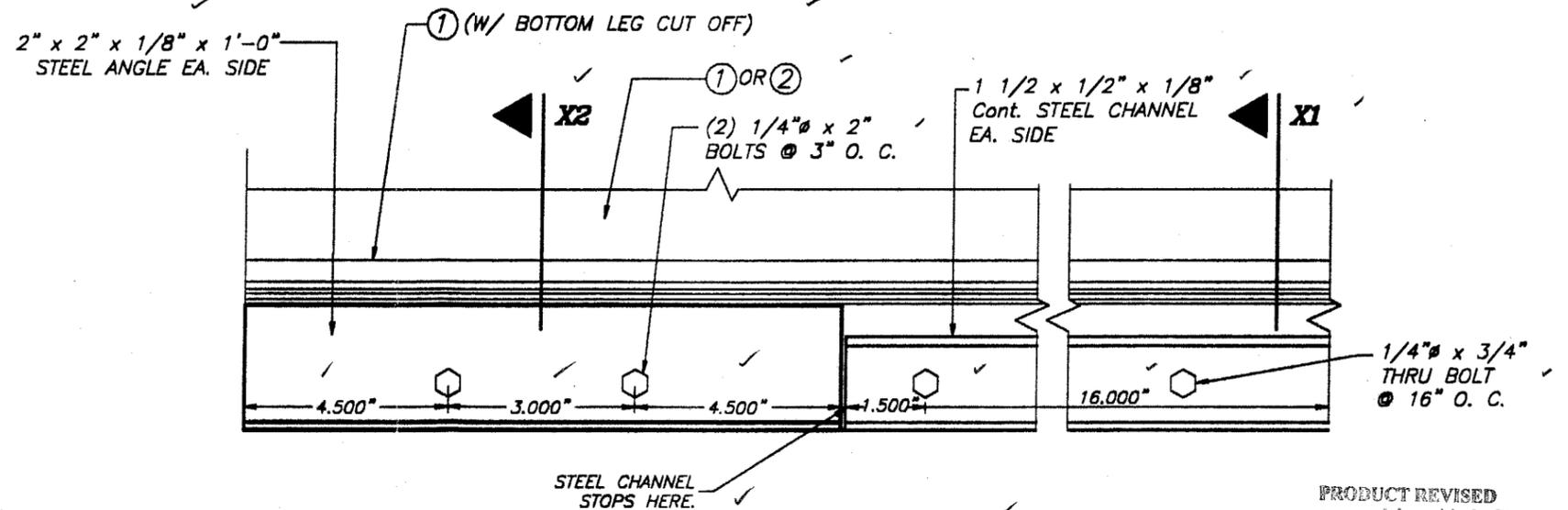
**BOTTOM ANGLE DETAIL**

SCALE : 3/8" = 1"



**TYPICAL WINDLOCKS W - 2 DETAIL**

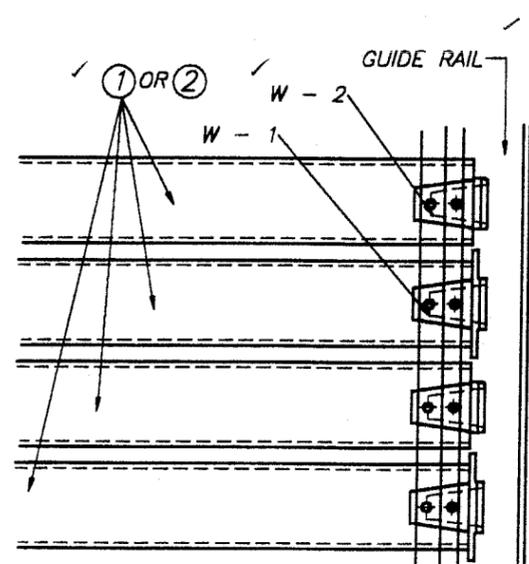
SCALE : 3/8" = 1"



**ELEVATION**

**BOTTOM BAR ③ W/ BRACKET**

SCALE : 3/8" = 1"



**(ELEVATION)**

**DETAIL 1**

SCALE : 3/16" = 1"

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 03-0206.11  
Expiration Date 07/26/06  
By:   
Miami Dade Product Control  
Division

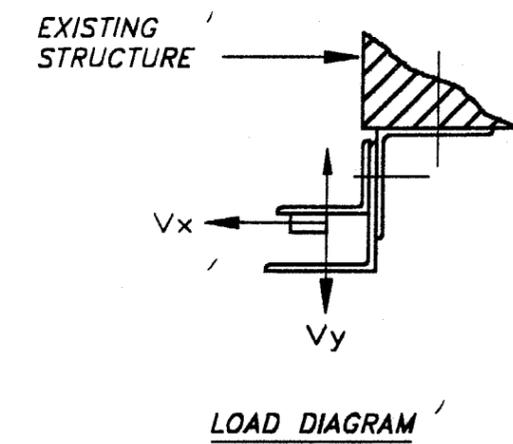
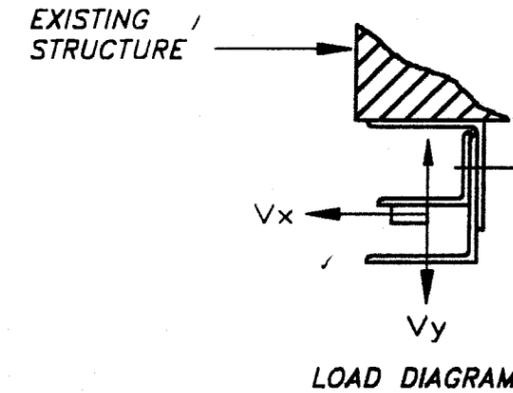
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JAN 27 2003

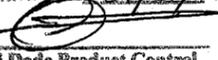
 <b>TILECO Inc.</b> <small>TILLIT TESTING &amp; ENGINEERING COMPANY</small> <small>6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33188</small> <small>Phone: (305)871-1630 Fax: (305)871-1331</small> <small>EB-0006719</small> <small>WALTER A. TILLIT Jr. P. E.</small> <small>FLORIDA Lic. # 44187</small>		<b>ROLL-UP DOOR</b>  <b>TGW ROLLING DOORS, INC.</b> <small>3501 N.W. 74th STREET</small> <small>MIAMI, FLORIDA 33147</small>		AS SHOWN SCALE	
				11/7/02 DATE	
		02 - 515		DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 01-165	11/7/02	3	-	-
2	-	-	4	-	-
					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*	
+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" Ø POWER BOLT W/ 4" MINIMUM EMBEDMENT, MANUFACTURED BY POWERS FASTENING INC.

PRODUCT REVISED  
 as complying with the Florida Building Code  
 Acceptance No. 03-0206,11  
 Expiration Date 07/26/06  
 By   
 Miami Dade Product Control Division

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

  
 JAN 27 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		ROLL-UP DOOR AS SHOWN SCALE	
		TGW ROLLING DOORS, INC. 3501 N.W. 74th STREET MIAMI, FLORIDA 33147	
11/7/02 DATE 02 - 515 DRAWING No SHEET 3 OF 3		REV. NO. DESCRIPTION DATE REV. No. DESCRIPTION DATE 1 OLD 01-165 11/7/02 3 - - 2 - - - 4 - -	