



**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)**

**Best Rolling Doors, Inc.  
9780 NW 79<sup>th</sup> Ave.  
Hialeah Gardens, 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: 14' Wide Roll-Up Door.**

**APPROVAL DOCUMENT:** Drawing No. 03-100, dated 05/08/03, with last revision on 10/30/03, titled "Roll-Up Door", sheets 1 through 3 of 3, prepared by Tilteco, Inc signed and sealed by W. A. Tillit Jr, 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**

**LIMITATIONS:** This approval requires the manufacturer to do testing of all coils used to fabricate door slats under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Miami-Dade County Certified Laboratory selected and paid by the manufacturer. Every 3 months, 4 times a year the manufacturer shall mail to this office a copy of the Test Reports with confirmation that the specimens were selected from coils at the manufacturer's production facilities and a notarized statement from that manufacturer that only coils with yield of 46.7 ksi or more shall be used to make panels for Miami-Dade County under this Notice of Acceptance.

**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 # 01-0129.04 and, consists of this page, evidence page as well as approval document mentioned above.

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

*[Handwritten signature]*  
01/15/04



**NOA No 03-0521.03  
Expiration Date: March 22, 2006  
Approval Date: January 15, 2004  
Page 1**

**Best Rolling Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A DRAWINGS:**

1. Drawing prepared by Tilteco, Inc., titled "Roll-Up Door", Drawing No.03-100, dated 05/08/03 with latest revision on 10/30/03, sheets 1 to 3 of 3, signed and sealed by W. A. Tillit Jr. PE.

**B TEST:**

- 1 Test report on Large Missile Impact Test and Cyclic Wind Pressure Test for a "14' x 8' Roll-Up Garage Door", prepared by Hurricane Engineering & Testing, Inc., Report No. HETI 97-624, dated 06/04/97, signed and sealed by H.M. Medina, PE.
- 2 Test report on Uniform Static Air Pressure Test & Forced Entry Resistance Test for a "14' x 8' Roll-Up Garage Door, " prepared by Hurricane Engineering & Testing, Inc., Report No. HETI 97-637, dated 06/11/97, signed and sealed by H. M. Medina, PE.

**C CALCULATIONS:**

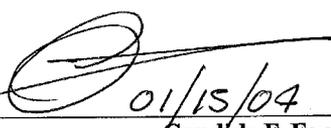
- 1 Calculations for Anchor spacing, dated 07/31/97, sheets 1 through 10 of 10, signed and sealed by W. A. Tillit Jr, PE.

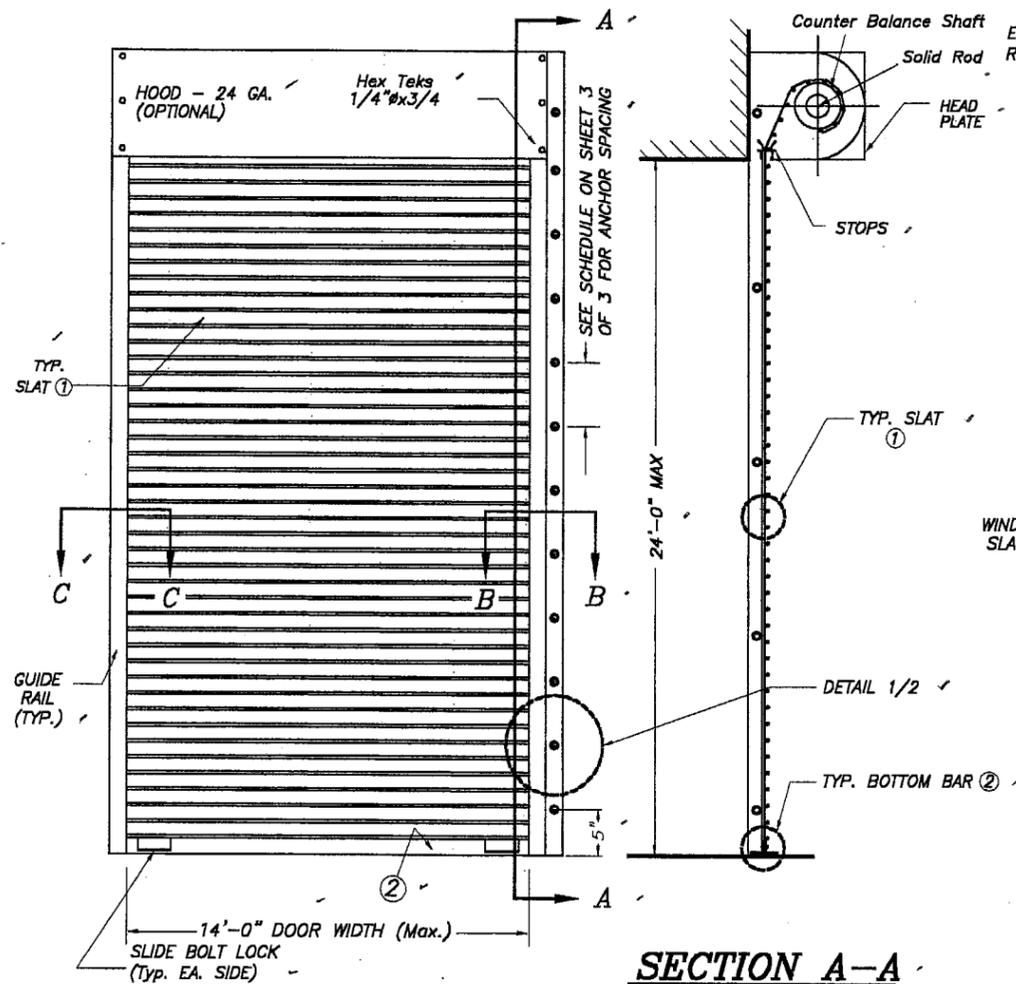
**D STATEMENTS:**

- 1 Code compliance letter, issued by Tilteco, Inc. on 08/04/97, signed and sealed by W. A. Tillit Jr. PE.
- 2 No-financial interest letter, issued by Tilteco, Inc. on 08/04/97, signed and sealed by W. A. Tillit Jr. PE.

**E MATERIAL CERTIFICATION:**

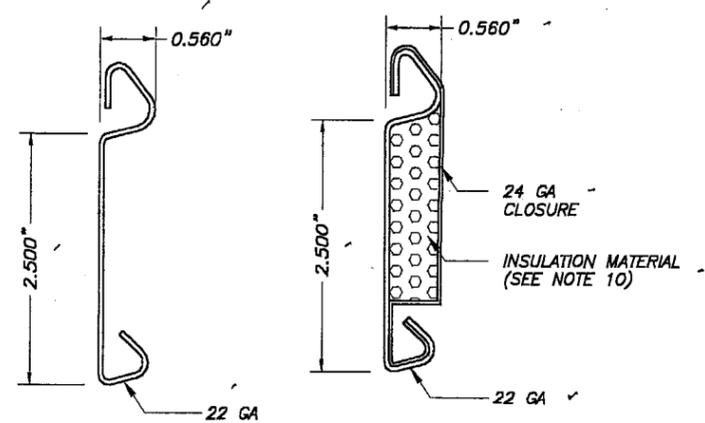
1. Test report on Tensile Test for 22 GA Steel Roll-Up Garage Door, prepared by Hurricane Engineering & Testing, Inc., Report No. HETI 97-T50, dated 07/24/97, signed and sealed by H. M. Medina, PE.
2. Notice of Acceptance # 98-0904.04, issued to Apache Products Company, and expiring on 01/11/2002
3. Tensile test and affidavit prepared by Best Rolling Doors on 10/25/03 signed by S. A. Suarez and notarized by M. E. Rivera.

  
Candido F. Font PE  
Senior Product Control Examiner  
NOA No 03-0521.03  
Expiration Date: March 22, 2006  
Approval Date: January 15, 2004



**TYPICAL DOOR ELEVATION**

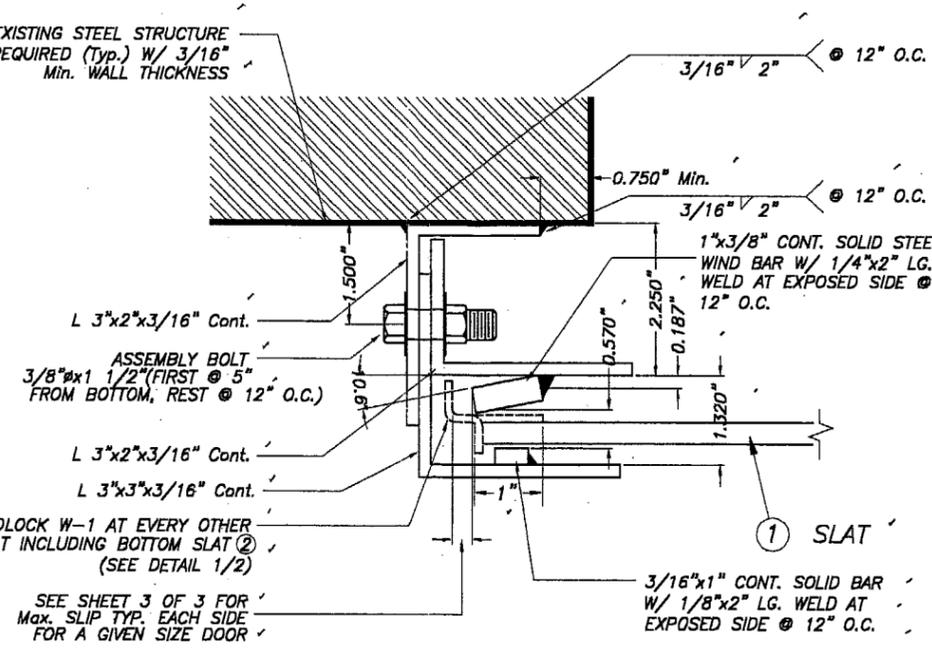
N. T. S.



**PLAIN INSULATED**

**1 FLAT SLAT**

SCALE : 1/2" = 1"

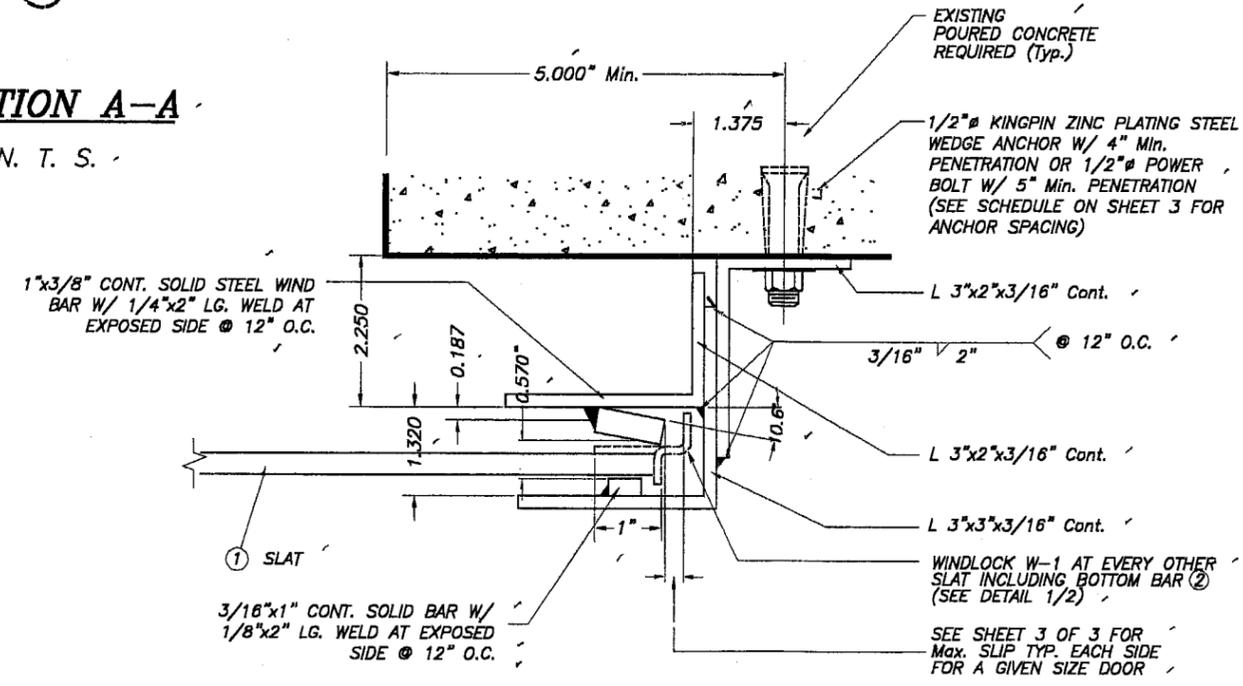


**SECTION C-C**

SCALE : 3/8" = 1"

**SECTION A-A**

N. T. S.



**SECTION B-B**

SCALE : 3/8" = 1"

*David*  
1/25/03

**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 HETI REPORT # 97-637 & 97-624 AS PER PA-201, PA-202 & PA-203 STANDARD.

MAX. DESIGN LOAD ARE: +50.0, -50.0 PSF

2- SLAT TO BE A.S.T.M. A-653 GR 40 STRUCTURAL QUALITY STEEL WITH MIN. FY = 46.7 KSI AND G-90 GALVANIZING PER A.S.T.M. A-653, OR A.I.S.I. 304 SERIES STAINLESS STEEL MANUFACTURED WITH A MINIMUM YIELD STRENGTH OF FY = 46.7 KSI.

3- ALL STEEL ANGLES & WINDLOCKS 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 CADMIUM PLATED OR GALVANIZED STEEL.

5- STEEL WINDBARS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED PRIOR TO INSTALLATION.

6- HOOD TO BE 24 GA. A.S.T.M. A-653 DESIGNATION G-90 FINISH TYPE COATING.

7- ALL RIVETS TO BE A.I.S.I. 1035 STEEL, CADMIUM PLATED, STAINLESS STEEL OR ZINC PLATED W/ FY= 37,000 PSI.

8- 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.

9- ALL WELDING TO CONFORM TO AMERICAN WELDING SOCIETY'S AWS D1.1 REGULATIONS. USE A.W.S A5.1 OR A5.5 E60XX ELECTRODES MIN. 3/16" FILLET SIZE.

10- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION MANUFACTURED BY APACHE PRODUCTS COMPANY, NOTICE OF ACCEPTANCE # 01-110B.09.

11- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT Vx AND Vy FORCES AT BOTH JAMBS. SEE SHEET 3 OF 3, TABLE 1 FOR Vx & Vy VALUES.

12- ROLL-UP MECHANISM NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.

13- (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. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(C) THIS P.A.D. WILL BE CONSIDERED INVALID IF MODIFIED.

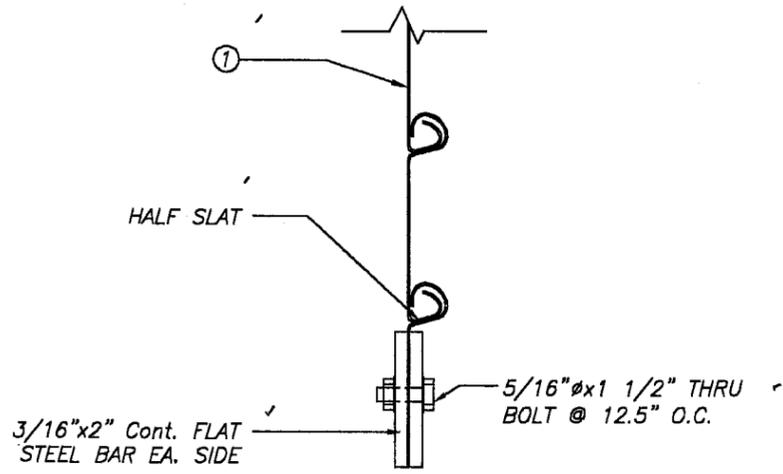
(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE PROFESSIONAL OF RECORD (P.O.R) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D.

(E) THIS P.A.D. SHALL COMPLY WITH SECTION 2: 61G15 OF THE FLORIDA ADMINISTRATIVE CODE.

PRODUCT REVISED  
 as complying with the Florida Building Code  
 Amendment No. 03-0521.03  
 Effective Date 03/22/06  
 By *[Signature]*  
 Miami Dade Product Control Division

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

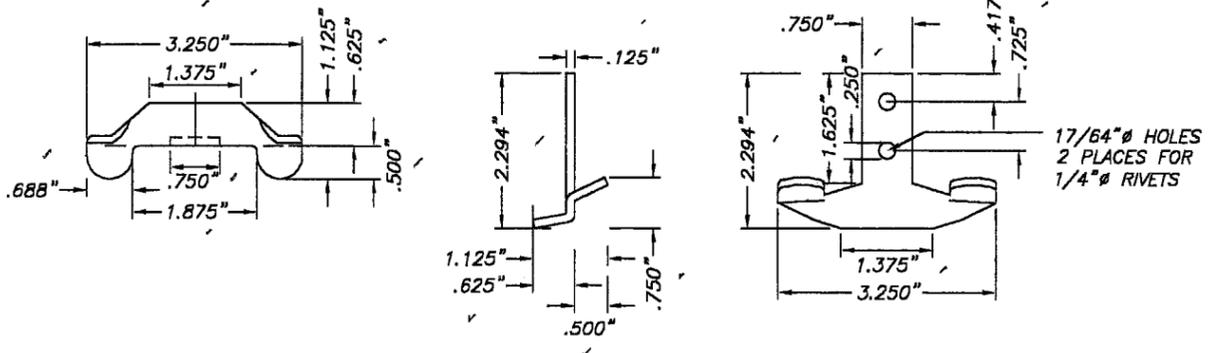
 TILLIT TESTING & ENGINEERING COMPANY 6599 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33186 Phone : (305)871-1530 Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		<b>ROLL-UP DOOR</b> AS SHOWN SCALE			
		<b>BEST ROLLING DOORS, INC.</b> 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33016			
5/8/03 DATE 03-100 DRAWING No		SHEET 1 OF 3			
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 97-192	5/8/03	3	-	-
2	GENERAL NOTE 12	10/30/03	4	-	-



**SECTION X1**

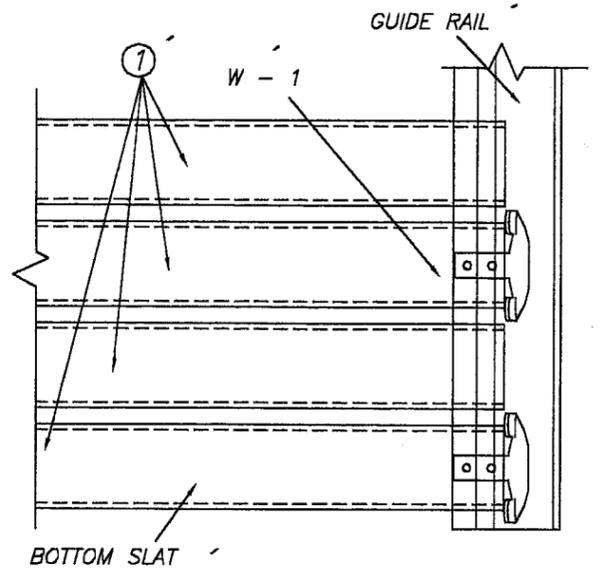
**② BOTTOM BAR DETAIL**

SCALE : 3/8" = 1"



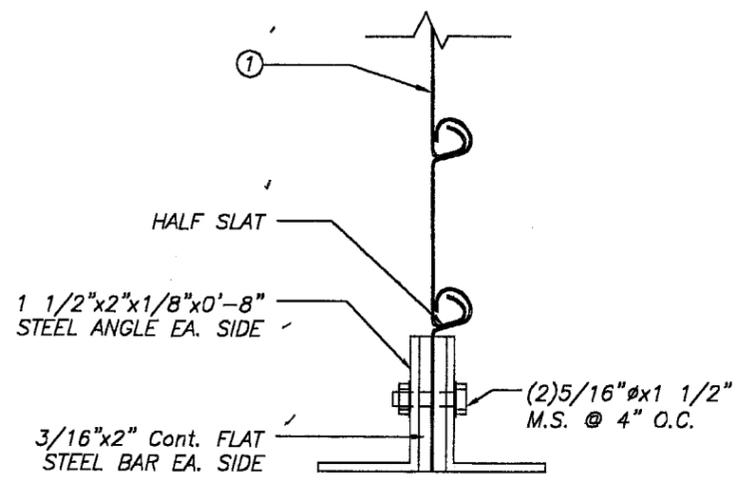
**TYPICAL WINDLOCK W - 1 DETAIL**

SCALE : 3/8" = 1"



**DETAIL 1 (elevation)**

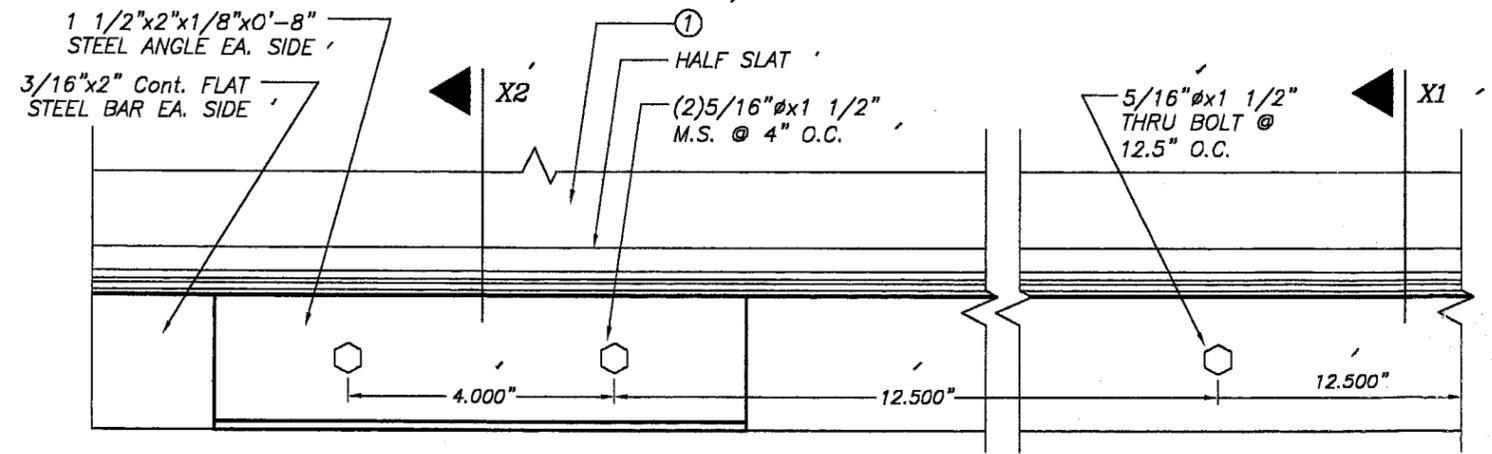
N. T. S.



**SECTION X2**

**BOTTOM BAR ② W/ BRACKET DETAIL**

SCALE : 3/8" = 1"



**ELEVATION**

**BOTTOM BAR ② W/ BRACKET**

SCALE : 3/8" = 1"

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 03-0521.03  
 Inspection Date 03/22/03  
 By [Signature]  
 William Dade Product Control  
 Division

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

**TILECO Inc.**  
 TILLIT TESTING & ENGINEERING COMPANY  
 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33166  
 Phone : (305)871-1530 Fax : (305)871-1631  
 EB-0008719  
 WALTER A. TILLIT Jr., P. E.  
 FLORIDA Lic. # 44167

<b>ROLL-UP DOOR</b>						AS SHOWN SCALE
<b>BEST ROLLING DOORS, INC.</b>						5/8/03 DATE
9780 N.W. 79th AVENUE HALEAH GARDENS, FLORIDA 33016						03-100 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 2 OF 3
1	OLD 97-192	5/8/03	3	-	-	
2	-	-	4	-	-	

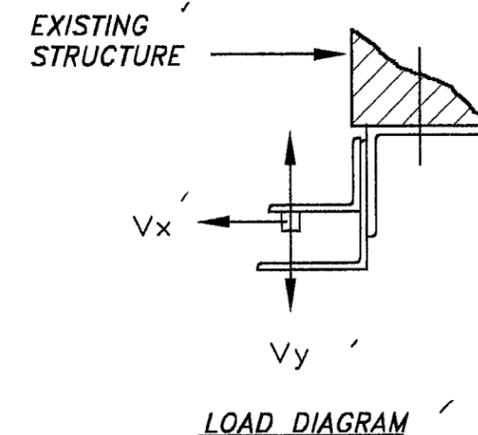
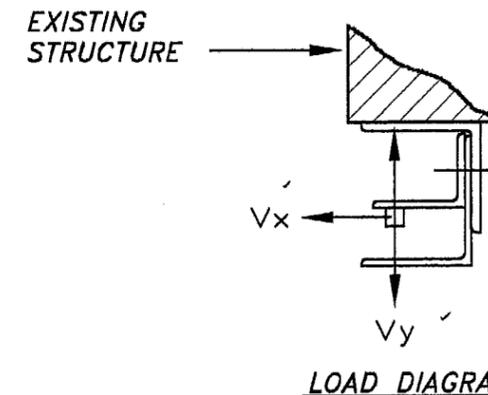
*[Handwritten Signature]*  
 11/25/03

Vx & Vy REACTIONS & ANCHOR SCHEDULE

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (Ft.)	SLIP (In)	Vx (Lb/Ft)	Vy (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	12'-0"	5/16"	1513	300	4 1/2"	5 1/2"	6"	7"
	13'-0"	7/16"	1477	325	4 1/2"	5 1/2"	6"	7"
	14'-0"	9/16"	1492	350	4 1/2"	5 1/2"	6"	7"

\* TYPE 1 ANCHOR : 1/2"Ø KINGPIN ZINC PLATING W/ 4" MINIMUM EMBEDMENT.

\*\* TYPE 2 ANCHOR : 1/2"Ø POWER BOLT W/ 5" MINIMUM EMBEDMENT.



PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 03-0521.03  
Expiration Date 03/22/06  
By  
Miami Dade Product Control  
Division

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

*[Handwritten Signature]*  
11/25/03

 <b>TILTECO inc.</b> TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 36th 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	AS SHOWN SCALE																		
	BEST ROLLING DOORS, INC. 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33016	5/8/03 DATE																		
	03-100 DRAWING No	SHEET 3 OF 3																		
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