



**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 Florida Building Code including the High Velocity Hurricane Zone.

**DESCRIPTION: 16'-0" Max. 20 Gage Slat Roll-Up Door.**

**APPROVAL DOCUMENT:** Drawing No. 05-084, dated 05/16/05, with last revision on 09/29/05, titled "16'-0" Max 20 Gage Slat 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 80.0 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 # 03-0521.06 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]*  
01/05/06



**NOA No. 05-0606.03  
Expiration Date: September 2, 2009  
Approval Date: January 5, 2006  
Page 1**

**Best Rolling Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A DRAWINGS:**

1. Drawing prepared by Tilteco, Inc., titled "16'-0" Max. 20 Gage Slat Roll-Up Door", Drawing No.05-084, dated 05/16/05 with latest revision on 09/29/05, 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 per PA 201, Cyclic Wind Pressure Test per PA 203 and Uniform Static Air pressure per PA 202 on "Series: Roll-Up Door; Steel Garage Door", prepared by Fenestration Testing Laboratory Inc., Report No. 2337, dated 11/09/99, signed and sealed by A.P. Gonzalez, PE.

**C CALCULATIONS:**

- 1 Calculations for attachment of guide to steel or masonry jamb, prepared by Tilteco, Inc. with no date, sheets 1 through 26, signed and sealed by W. A. Tillit Jr, PE on 08/27/99.
2. Revise anchor calculations prepared by Tilteco Inc. on 09/29/05, signed and sealed by W. A. Tillit Jr PE.

**D QUALITY ASSURANCE:**

1. Building Code Compliance Office.

**E STATEMENTS:**

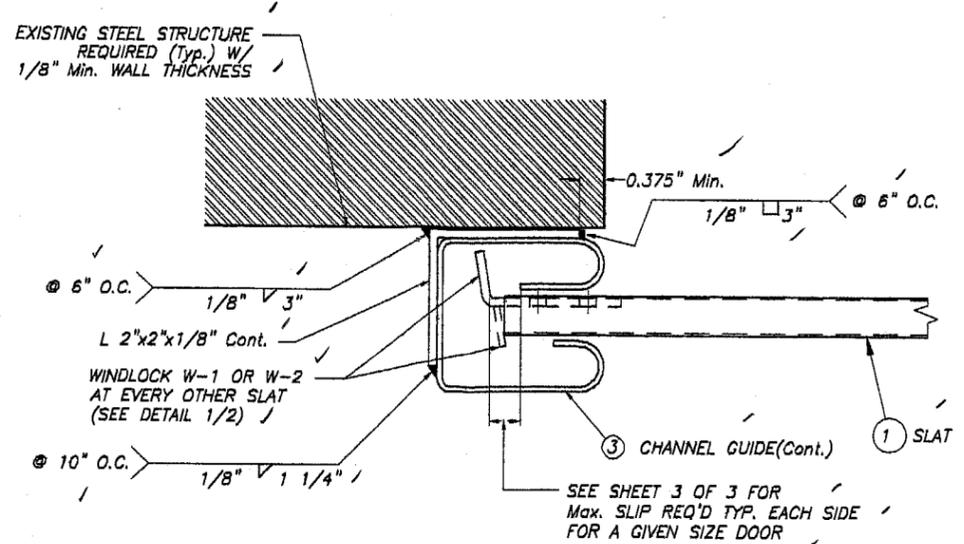
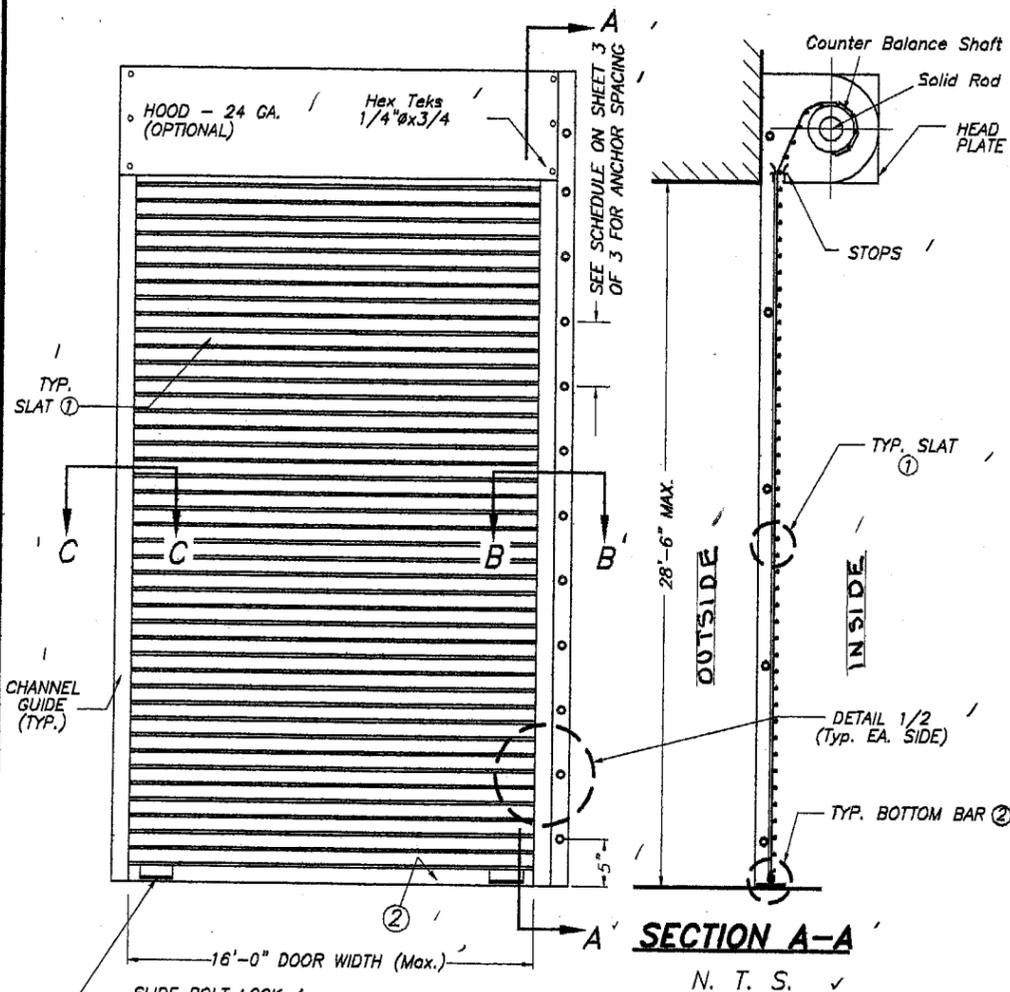
- 1 Code compliance letter, issued by Tilteco, Inc. on 08/27/99, signed and sealed by W. A. Tillit Jr. PE.
- 2 No-financial interest letter, issued by Tilteco, Inc. on 08/27/99, signed and sealed by W. A. Tillit Jr. PE.
- 3 Test Compliance letter issued by Fenestration Testing Laboratory, Inc on 12/06/99 signed and sealed by A. P. Gonzalez, PE.
- 4 Yield Strength compliance affidavit prepared by Best Rolling Door, Inc. on 09/28/05, signed by S. A. Suarez and notarized by M. E. Rivera on 09/30/05.
- 5

**F MATERIAL CERTIFICATION:**

1. Tensile Test Report No. ATC 13974.0001 per ASTM A370 on slats material, prepared by ATC Associates, Inc. on 05/24/99 and 10/18/99, signed and sealed by S. E. Black, PE.
2. Tensile Test Report No. ATC 13974.0001 per ASTM A370 on components prepared by ATC Associates on 05/24/99 signed and sealed by S. E. Black PE.



Candido F. Font PE  
Senior Product Control Examiner  
NOA No. 05-0606.03  
Expiration Date: September 2, 2009  
Approval Date: January 5, 2006



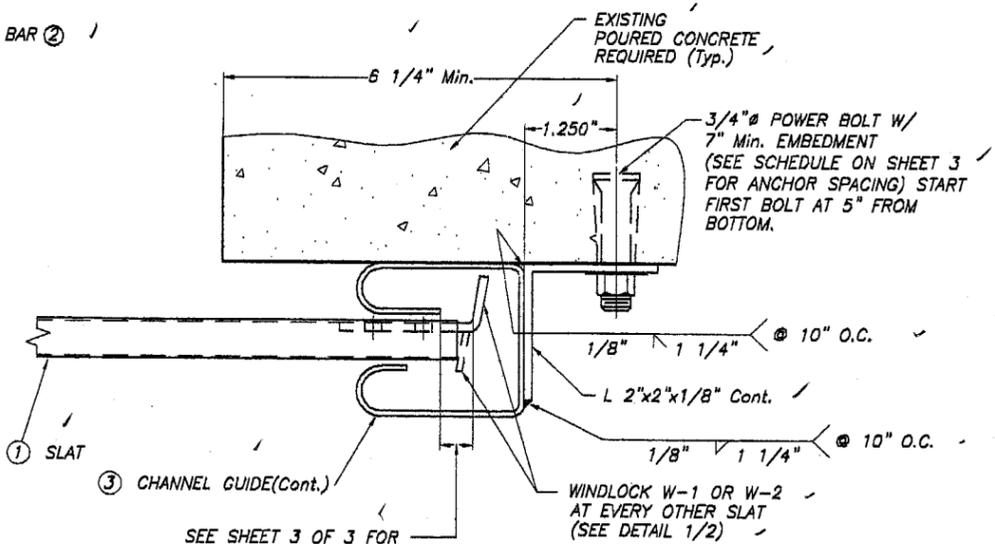
**SECTION C-C**

SCALE : 3/8" = 1"



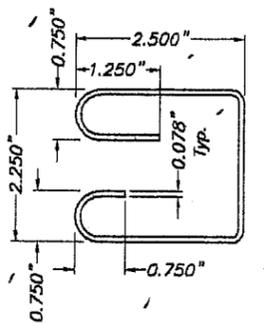
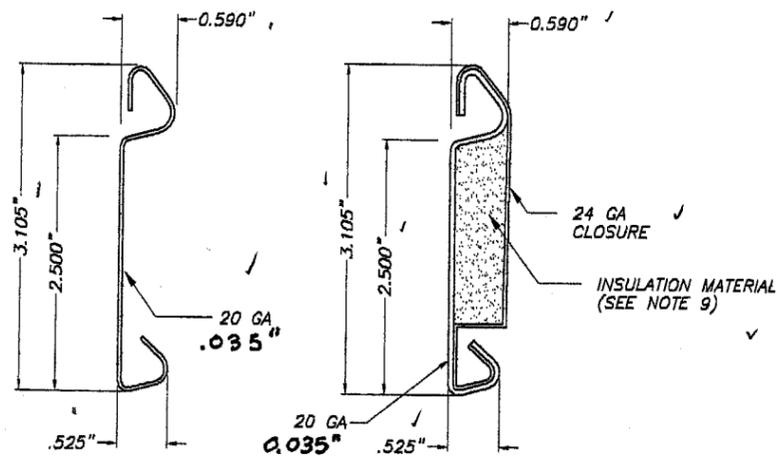
**SECTION A-A**

N. T. S.



**SECTION B-B**

SCALE : 3/8" = 1"



**3 CHANNEL GUIDE**

**1 FLAT SLAT**

SCALE : 1/2" = 1"

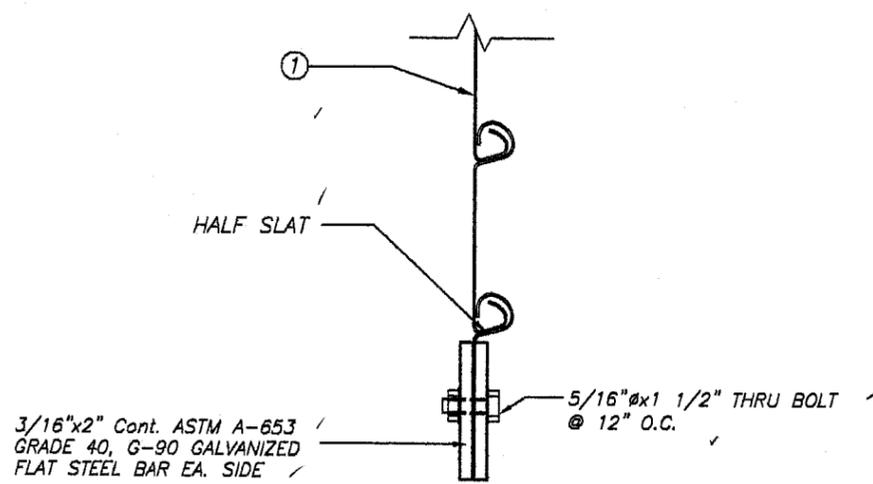
**GENERAL NOTES:**

- 1- ROLL-UP DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE. ROLL-UP DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER FTL REPORT # 2337, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.
- DESIGN PRESSURE RATING: +90.0, -90.0 PSF.
- 2- SLAT TO BE A.S.T.M. A-653 SQ. GRADE 80, WITH G-90 GALVANIZING OR A.I.S.I. STAINLESS STEEL SERIES MANUFACTURED WITH A MINIMUM YIELD STRENGTH OF 80.0 KSI.
- 3- ALL STEEL ANGLES TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.
- 4- GUIDES & WINDLOCKS TO BE A.S.T.M. A-653 GRADE 50 COLD FORMED STEEL DESIGNATION, WITH G-60 GALVANIZING.
- 5- HOOD TO BE 24 GA. A.S.T.M. A-653 DESIGNATION, WITH G-90 GALVANIZING.
- 6- ALL RIVETS TO BE A.I.S.I. 1006 STEEL, ZINC PLATED W/48.42 KSI MINIMUM TENSILE STRENGTH.
- 7- CONCRETE ANCHORS TO BE AS MANUFACTURED BY POWERS FASTENERS INC., AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
- 8- 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. 1/8" FILLET SIZE.
- 9- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION, MANUFACTURED BY APACHE PRODUCTS COMPANY, NOTICE OF ACCEPTANCE # 01-1108.09.
- 10- 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.
- 11- ROLL-UP MECHANISM NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.
- 12- THE CURTAIN (TOP SLAT) IS FASTENED TO THE WHEEL WITH (4) 6 1/8" LONG SLATS USING ONE 3/8" BOLT & NUT.
- 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 ENGINEER OF RECORD (E.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 Acceptance No. 05-0606.03 Expiration Date 09/02/09  
 By: [Signature] Miami Dade Product Control Division

F.B.C. (High Velocity Hurricane Zone)

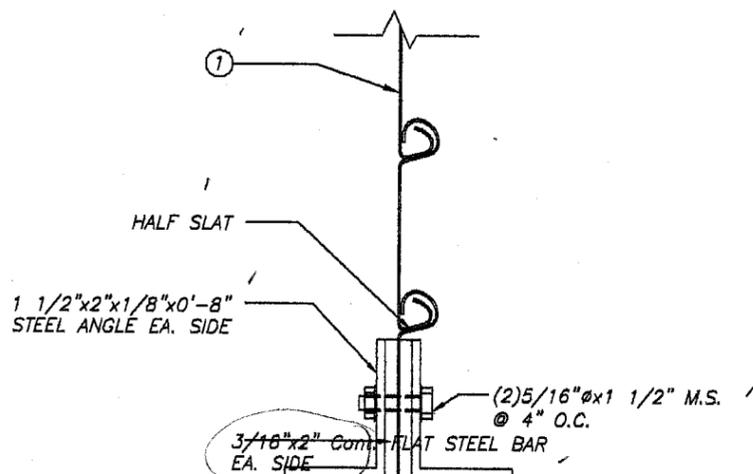
 TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT, Jr. P. E. FLORIDA Lic. # 44167	16'-0" MAX. 20 GAGE SLAT ROLL-UP DOOR DRAWN BY: M.C.V. / L.G.																		
	BEST ROLLING DOORS, INC. 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33018 DATE: 5/16/05 DRAWING No: 05-084 SHEET 1 OF 3																		
<table border="1"> <thead> <tr> <th>REV. NO</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>OLD 03-101</td> <td>5/16/05</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td>ANCHOR EMBED.</td> <td>9/29/05</td> <td>4</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 03-101	5/16/05	3	-	-	2	ANCHOR EMBED.	9/29/05	4	-	-	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE														
1	OLD 03-101	5/16/05	3	-	-														
2	ANCHOR EMBED.	9/29/05	4	-	-														



**SECTION X1**

**② BOTTOM BAR DETAIL**

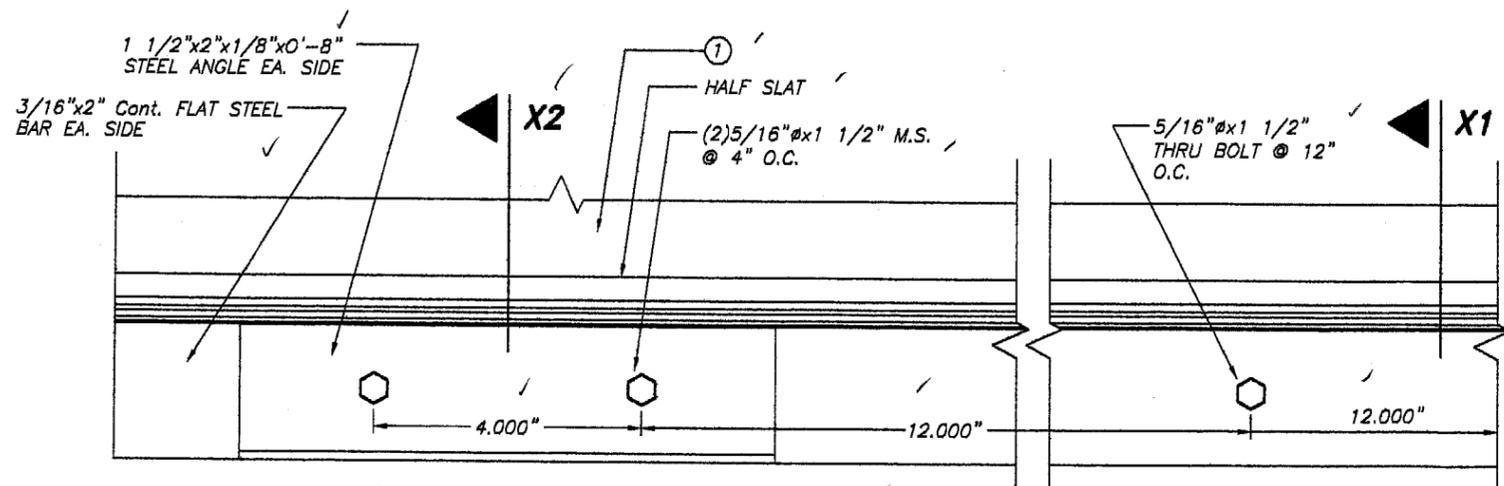
SCALE : 3/8" = 1"



**SECTION X2**

**BOTTOM BAR ② W/ BRACKET DETAIL**

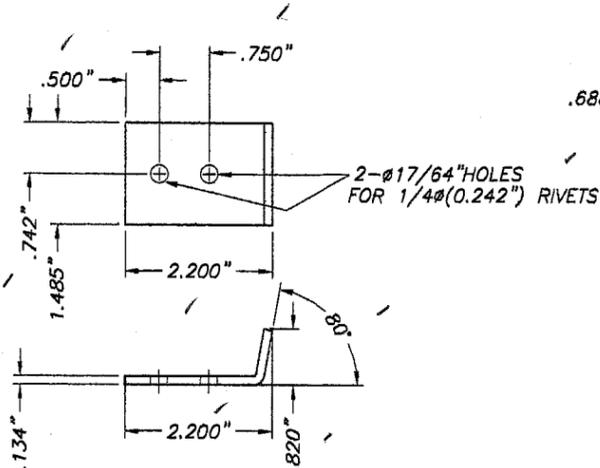
SCALE : 3/8" = 1"



**ELEVATION**

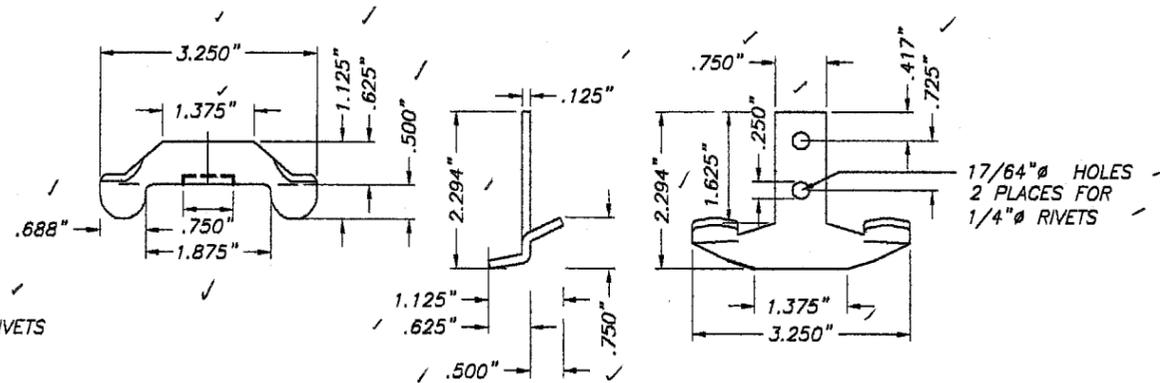
**BOTTOM BAR ② W/ BRACKET**

SCALE : 3/8" = 1"



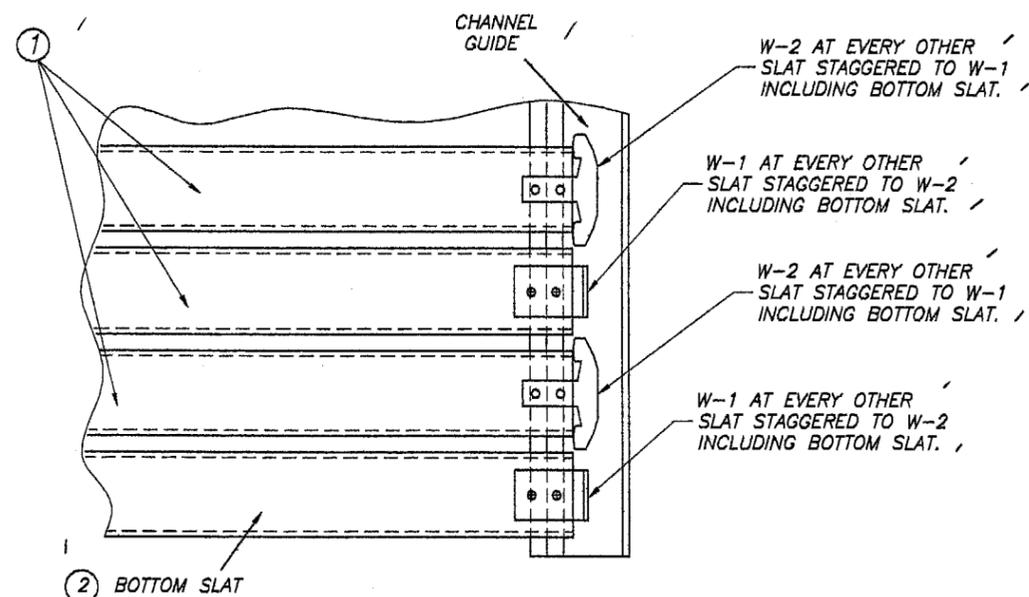
**TYPICAL WINDLOCK W-1 DETAIL**

SCALE : 3/8" = 1"



**TYPICAL WINDLOCK W-2 DETAIL**

SCALE : 3/8" = 1"



**DETAIL 1 (ELEVATION)**

N. T. S.

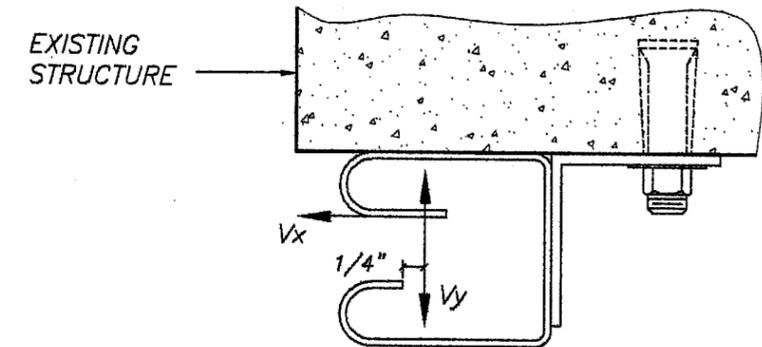
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 05-0606.03  
 Expiration Date 09/02/09  
 By: [Signature]  
 Product Control  
 Division

F.B.C. (High Velocity Hurricane Zone)

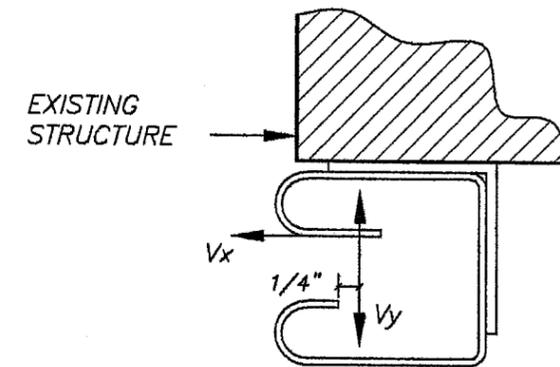
 <b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33188 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT, Jr. P. E. FLORIDA Lic. # 44167		16'-0" MAX. 20 GAGE SLAT ROLL-UP DOOR		DRAWN BY: M.C.V. / L.G.	
		<b>BEST ROLLING DOORS, INC.</b> 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33018		5/16/05 DATE	
		05-084 DRAWING No			
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 03-101	5/16/05	3	-	-
2			4		

## 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 = 3000 psi CONCRETE	FOR Min. f'c = 4000 psi CONCRETE
+80, -80	8'-0" OR LESS	3/16"	1264	320	12"	12"
	12'-0"	5/8"	1736	480	11 1/2"	12"
	14'-0"	7/8"	1970	560	10"	11"
	16'-0"	7/8"	2530	640	8 1/2"	9"
+90, -90	8'-0" OR LESS	3/16"	1525	360	12"	12"
	12'-0"	5/8"	1999	540	10"	11"
	14'-0"	7/8"	2250	630	9"	9 1/2"
	16'-0"	7/8"	2872	720	7 1/2"	8"



**LOAD DIAGRAM**



**LOAD DIAGRAM**

\* 3/4"Ø POWER BOLT W/ 7" MINIMUM EMBEDMENT.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 05-0606.03  
 Expiration Date 09/29/09  
 By   
 Material Basis Product Control  
 Division

F.B.C. (High Velocity Hurricane Zone)

*[Handwritten Signature]*  
 4/30/05

 <b>TILTECO INC.</b> <small>TILLIT TESTING &amp; ENGINEERING COMPANY                  6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186                  Phone: (305)871-1530 • Fax: (305)871-1531                  EB-0006719                  WALTER A. TILLIT Jr. P. E.                  FLORIDA Lic. # 44167</small>	16'-0" MAX. 20 GAGE SLAT ROLL-UP DOOR	DRAWN BY: M.C.V. / L.G.
	<b>BEST ROLLING DOORS, INC.</b> <small>9780 N.W. 79th AVENUE                  HIALEAH GARDENS, FLORIDA 33016</small>	5/16/05 DATE
		05-084 DRAWING No
		SHEET 3 OF 3

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD Q3-101	5/16/05	3	-	-
2	ANCHOR SPACING	9/29/05	4	-	-