



**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 2004 including the High Velocity Hurricane Zone.

**DESCRIPTION: 16'-0" Max. 24 Gage Slat Roll-Up Door.**

**APPROVAL DOCUMENT:** Drawing No. 05-081, dated 05/16/05, with last revision on 05/16/05, titled: "16'-0" Max. 24 Gage Slat Roll-Up Door", sheets 1 through 3 of 3, prepared by Tiltco, 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 40 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 # 04-0413.02 and, consists of this page, evidence page as well as approval document mentioned above.

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

  
11/03/05



**NOA No 05-0606.01  
Expiration Date: June 28, 2009  
Approval Date: November 03, 2005  
Page 1**

**Best Rolling Doors, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A DRAWINGS:**

1. Drawing prepared by Tilteco, Inc., titled: 16'-0"Max. 24 Gage Slat Roll-Up Door", Drawing No.05-081, dated 05/16/05 with latest revision on 05/16/05, 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 TAS 201, Cyclic Wind Pressure Test per TAS 203 and Uniform Static Air Pressure Test per TAS 202 on Series: Roll-Up Door; Steel Garage Door", prepared by Fenestration Testing Laboratory, Inc., laboratory # 2288, dated 05/05/99, signed and sealed by A. P. Gonzalez, PE.
2. Test report on Tensile Test per ASTM A370 on Flat Tensile Steel, prepared by ATC Associates Inc Laboratory Inc, Project # 13974.0001, dated 10/20/99, signed and sealed by S. E. Black PE.

**C CALCULATIONS:**

- 1 Calculations for attachment of guide to steel or masonry jamb, prepared by Tilteco, Inc with no date, sheets 1 to 26, signed and sealed by W. A. Tillit Jr, PE on 03/14/00.
2. Revised calculations of 16'-0" Max 24 gage Slat Roll-Up Door dated 05/16/05, signed and sealed by W.A. Tillit Jr. PE.

**D. QUALITY ASSURANCE:**

1. Building Code Compliance Office.

**E STATEMENTS:**

- 1 Clarification letter issued by Fenestration Testing Laboratory, Inc. on 03/05/01 and signed by A. Acevedo PE.
- 2 Code compliance letter, issued by Tilteco, Inc. on 08/27/99, signed and sealed by W. A. Tillit Jr. PE.
- 3 No-financial interest letter, issued by Tilteco, Inc. on 08/27/99, signed and sealed by W. A. Tillit Jr. PE.
- 4

**F MATERIAL CERTIFICATION:**

1. Notice of Acceptance # 01-1108.09, issued to Apache Products Company, and expiring on 01/11/2007.
2. Tensile test and affidavit complying with section 5 of the NOA, dated 09/28/05 signed by S. A. Suarez and notarized by M.E. Rivera.



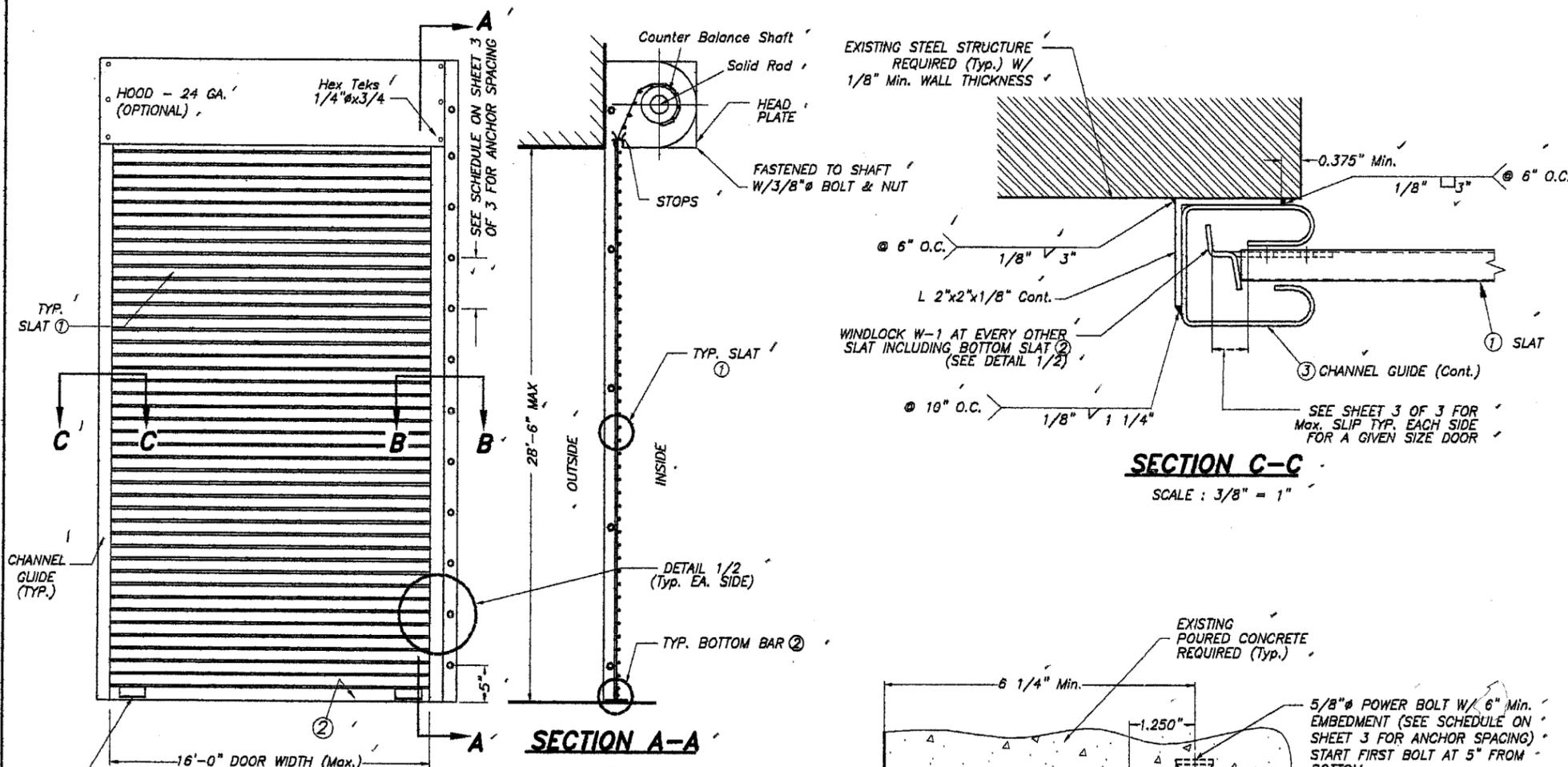
Candido F. Font PE

Senior Product Control Examiner

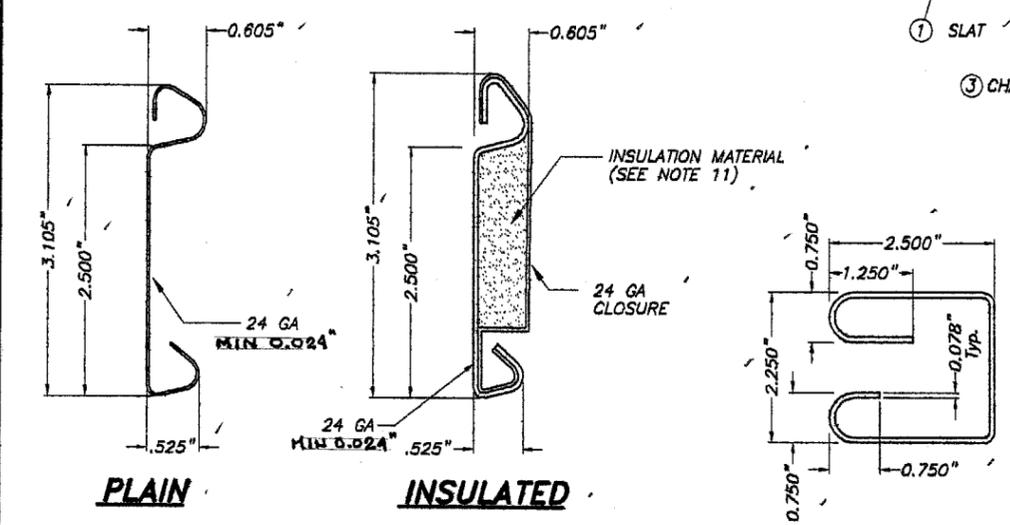
NOA No 05-0606.01

Expiration Date: June 28, 2009

Approval Date: November 03, 2005



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

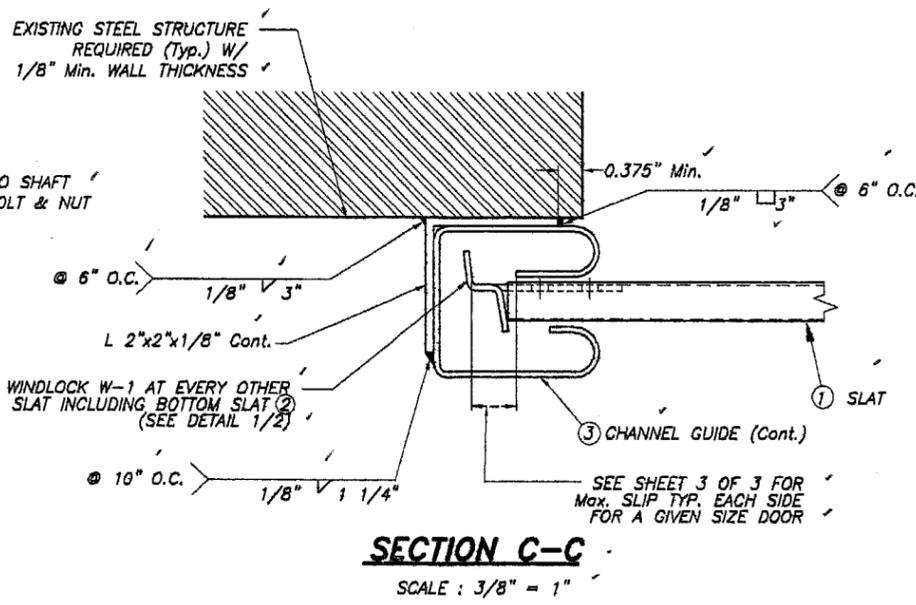


**PLAIN**

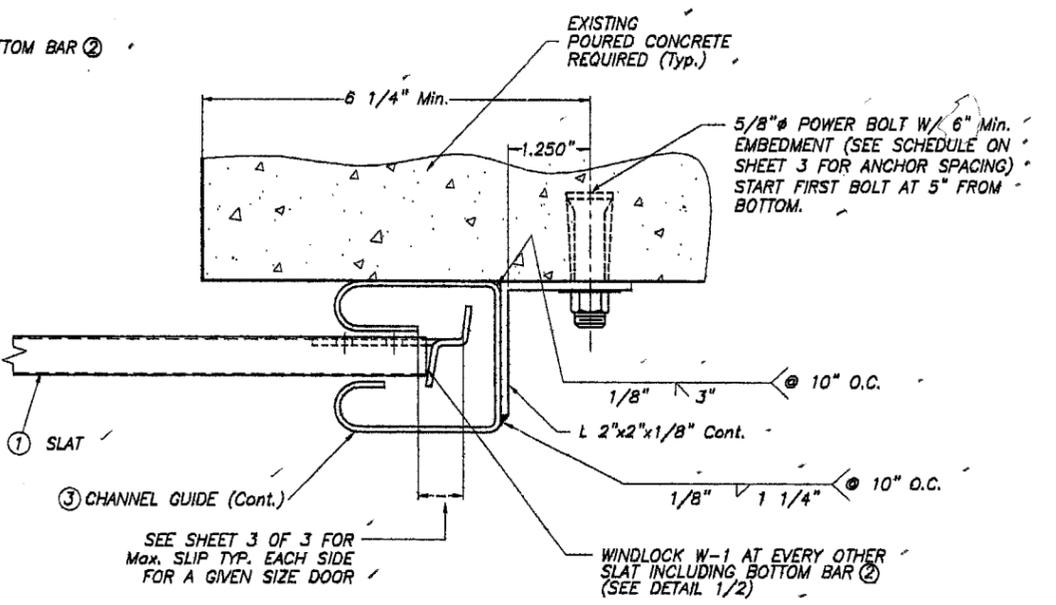
**INSULATED**

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

**3 CHANNEL GUIDE**



**SECTION C-C**  
SCALE : 3/8" = 1"



**SECTION B-B**  
SCALE : 3/8" = 1"

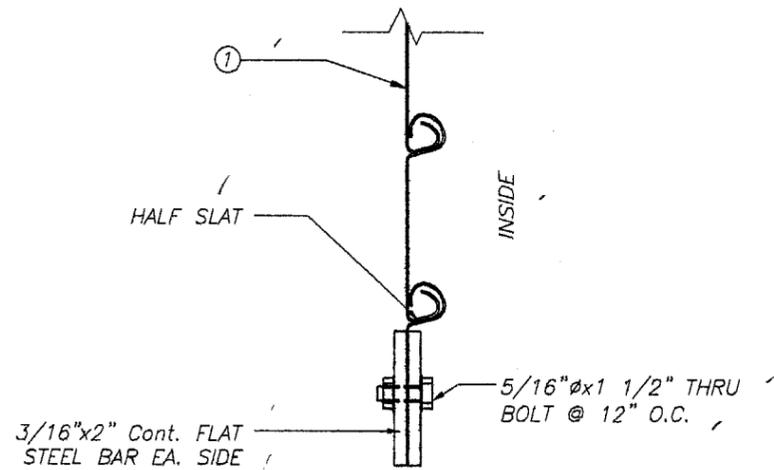
**GENERAL NOTES:**  
 1- ROLL-UP DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE.  
 ROLL-UP DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER FTL REPORT # 2288 AS PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.

- DESIGN PRESSURE RATING: +60.0, -60.0 PSF.
- 2- SLAT TO BE A.S.T.M. A-653 SQ. GRADE 40, WITH G-90 GALVANIZING OR A.I.S.I. STAINLESS STEEL SERIES MANUFACTURED WITH A MINIMUM YIELD STRENGTH OF 40.0 KSI.
  - 3- ALL STEEL ANGLES TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.
  - 4- GUIDES TO BE A.S.T.M. A-653 SQ. GRADE 50. COLD FORMED STEEL DESIGNATION, SHOP PRIMED OR WITH G-90 GALVANIZING.
  - 6- WINDLOCKS TO BE A.S.T.M. A-653 SQ. GRADE 40 MIN. COLD FORMED STEEL DESIGNATION, WITH G-60 GALVANIZING.
  - 7- HOOD TO BE 24 GA. A.S.T.M. A-653 DESIGNATION, WITH G-60 GALVANIZING.
  - 8- ALL RIVETS TO BE A.I.S.I. 1006 STEEL, ZINC PLATED W/48.42 KSI MINIMUM TENSILE STRENGTH.
  - 9- 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.
  - 10- 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.
  - 11- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION, MANUFACTURED BY APACHE PRODUCTS COMPANY, NOTICE OF ACCEPTANCE # 01-1108.09.
  - 12- 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.
  - 13- ROLL-UP MECHANISM NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.
  - 14- THE CURTAIN (TOP SLAT) IS FASTENED TO THE WHEEL WITH (4) 6 1/8" LONG SLATS USING ONE 3/8" BOLT & NUT.
  - 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. 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. 05-0606.01  
 Expiration Date 06/25/09  
 By: [Signature]  
 Miami Dade Product Control  
 Division

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

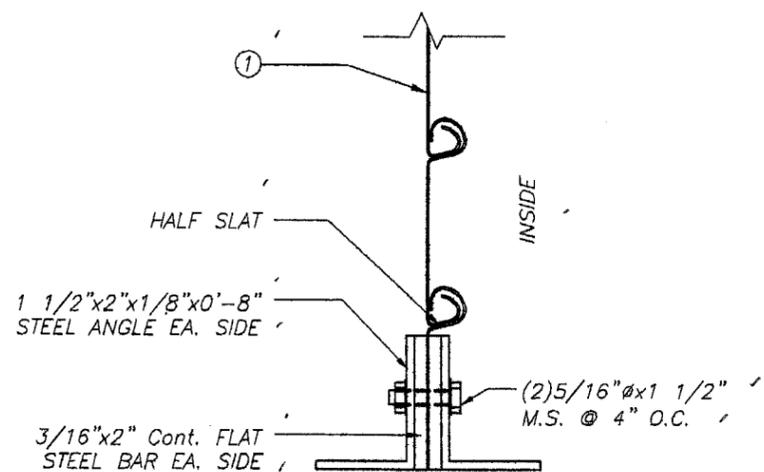
 TILLIT TESTING & ENGINEERING COMPANY 6335 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0008719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		16'-0" MAX. 24 GAGE SLAT ROLL-UP DOOR	DRAWN BY: M.C.V.
		<b>BEST ROLLING DOORS, INC.</b> 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33018	5/16/05 DATE
REV. NO. DESCRIPTION DATE REV. NO. DESCRIPTION DATE 1 OLD 03-098 5/16/05 3 - - 2 - - - 4 - -		05-081 DRAWING No	SHEET 1 OF 3



**SECTION X1**

**② BOTTOM BAR DETAIL**

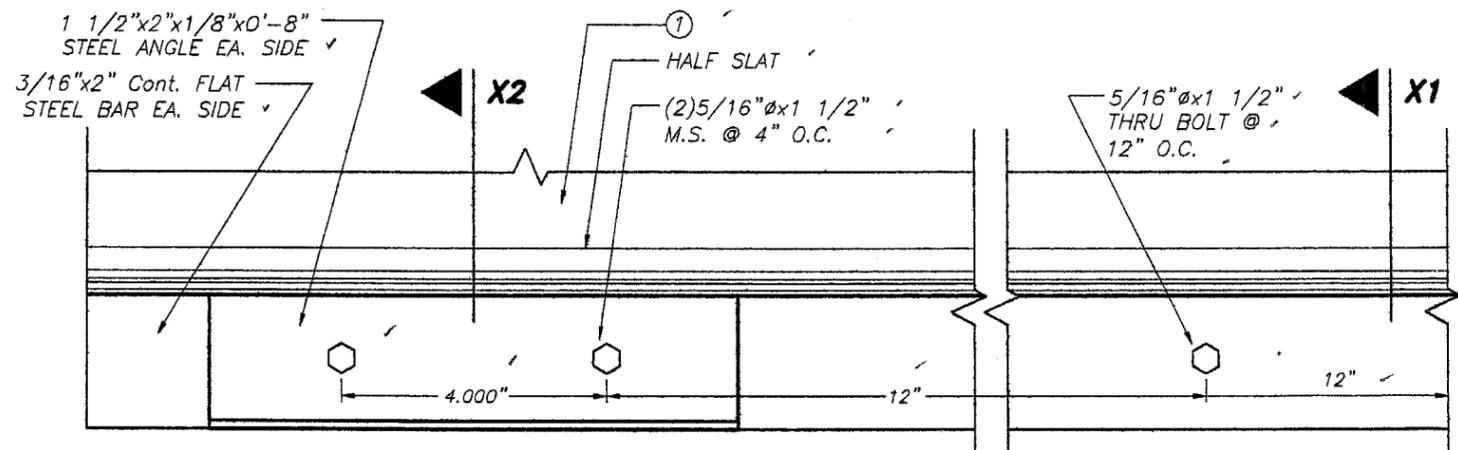
SCALE : 3/8" = 1"



**SECTION X2**

**BOTTOM BAR ② W/ BRACKET DETAIL**

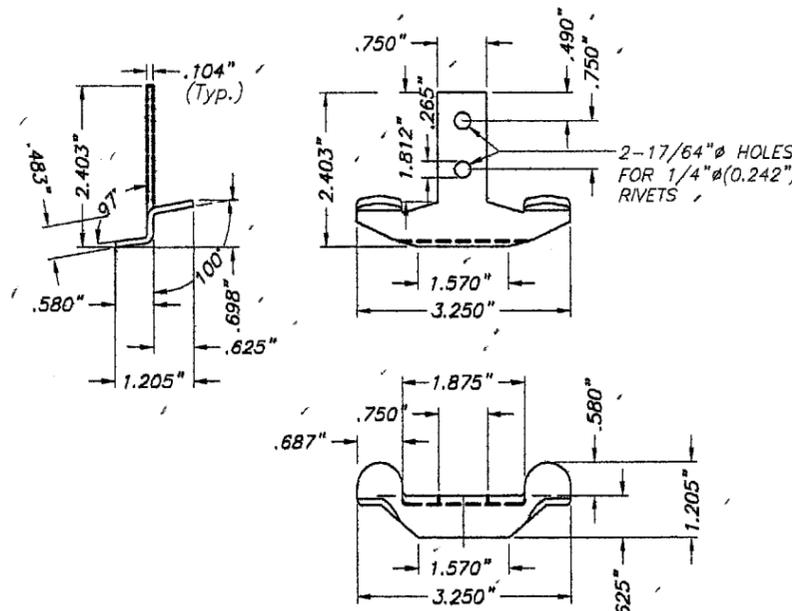
SCALE : 3/8" = 1"



**ELEVATION**

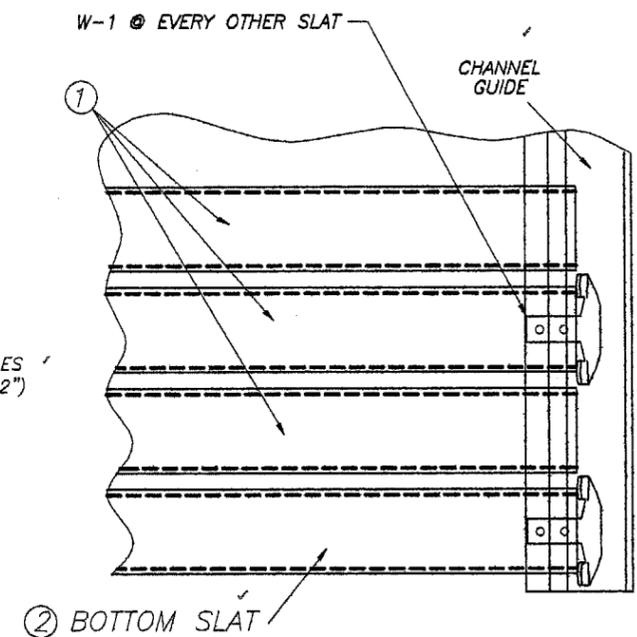
**BOTTOM BAR ② W/ BRACKET**

SCALE : 3/8" = 1"



**TYPICAL WINDLOCK W - 1 DETAIL**

SCALE : 3/8" = 1"



**DETAIL 1 (elevation)**

N. T. S.

PRODUCT REVISED  
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Building Code  
Acceptance No 05-0006.01  
Expiration Date 06/25/09

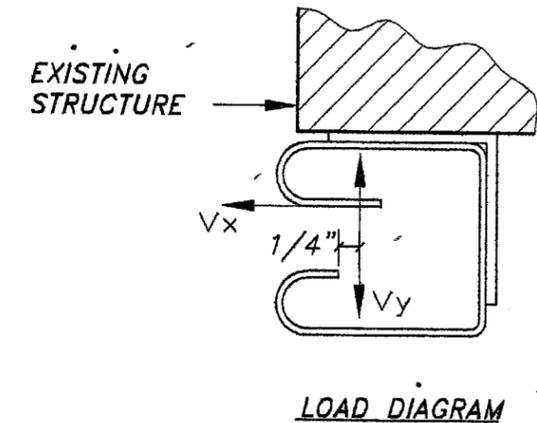
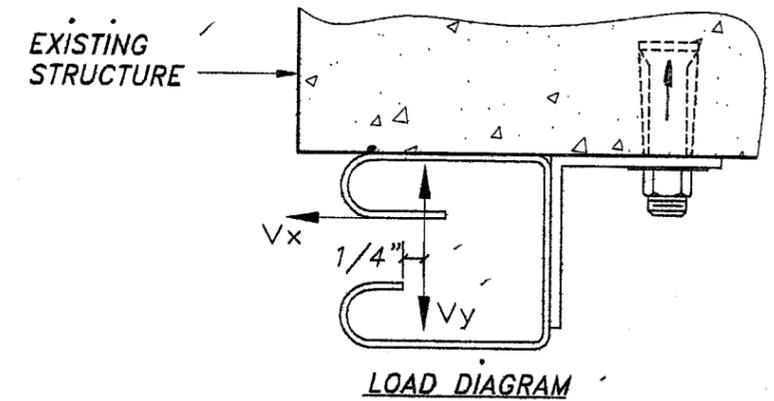
By   
Miami Dade Product Control  
Division

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

 <b>TILTECO inc.</b> <small>TILLIT TESTING &amp; ENGINEERING COMPANY          8355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33186          Phone : (305)871-1530 . Fax : (305)871-1531          EB-0008719          WALTER A. TILLIT Jr. P. E.          FLORIDA Lic. # 44167</small>	16'-0" MAX. 24 GAGE SLAT ROLL-UP DOOR	DRAWN BY: M.C.V.																	
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2	-	-	4	-	-														

### Vx & Vy REACTIONS & ANCHOR SCHEDULE

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (Ft.)	SLIP (in)	Vx (Lb/Ft)	Vy (Lb/Ft)	MAX., ANCHOR SPACING *	
					FOR Min. f'c = 2000 psi CONCRETE	FOR Min. f'c = 4000 psi CONCRETE
					**	**
+50.0, -50.0	9'-0" OR LESS	1/16"	2127	225	10 1/2"	12"
	12'-0"	1/8"	2617	300	8"	10"
	14'-0"	3/16"	2787	350	7 1/2"	9"
	16'-0"	5/16"	2681	400	7"	8 1/2"
+60.0, -60.0	9'-0" OR LESS	1/16"	2667	270	8 1/2"	10"
	12'-0"	1/8"	3205	360	6 1/2"	8"
	14'-0"	3/16"	3392	420	6"	7 1/2"
	16'-0"	5/16"	3253	480	6"	7"



\* 5/8"Ø POWER BOLT W/ 6" MINIMUM EMBEDMENT.

\*\* MAXIMUM SPACINGS FOR f'c = 3000 psi CONCRETE MAY BE INTERPOLATED IN BETWEEN f'c = 2000 psi AND f'c = 4000 psi.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 05-060601  
 Expiration Date 06/28/09

By [Signature]  
 Miami Dade Product Control  
 Division

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

*[Signature]*  
5/20/05

 <b>TILTECO INC.</b> <small>TILLIT TESTING &amp; ENGINEERING COMPANY                  6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166                  Phone: (305)871-1530 Fax: (305)871-1531                  EB-0006719                  WALTER A. TILLIT Jr. P. E.                  FLORIDA Lic. # 44167</small>	<b>16'-0" MAX. 24 GAGE SLAT ROLL-UP DOOR</b>	DRAWN BY: M.C.V.																	
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