



**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.  
8900 NW 119 th Street  
Hialeh Gardens, FL 33018**

**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: 24' wide 0.037" slat Roll-Up Door.**

**APPROVAL DOCUMENT:** Drawing No. 07-163, dated .6/14/07, with last revision on 06/14/07, titled "24'-0" Max 0.037" Slat Roll-Up Door", sheets 1 through 3 of 3, prepared by Tilteco, Inc. signed and sealed by W. A. Tillit, PE, on 08/22/07 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 or MDCPCA", 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 # 05-1020.03 and, consists of this page, evidence page E1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Mohammed Iqbal Shaikh, P.E.**



**NOA No 07-0626.02  
Expiration Date: October 16, 2008  
Approval Date: September 20, 2007  
Page 1**

**South Florida Rolling Door, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A DRAWINGS:**

1. Drawing No. 07-163, titled "24-0 Max 0.037" Slat Roll-Up Door", sheet 1 and 3 of 3, prepared by Tilteco, Inc., dated 06/14/07, with latest revision on 06/14/07, signed and sealed by W. A. Tillit Jr, PE.

**B. TESTS:**

1. Test report on Large Missile Impact Test per PA 201, Cyclic Wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 of "20 Ga Steel Roll-Up Door". Prepared by Hurricane Test Laboratory, Inc., report # 0204-0902-00, specimens 1, 2 & 3, dated 08/29/00 & 09/02/00, signed and sealed by V. J. Abraham. PE.

**C. CALCULATIONS:**

1. Calculations for attachment of guide to steel or masonry jamb, prepared by Tilteco, Inc., dated 09/14/00, sheets 1 to 29 of 29, signed and sealed by W. A. Tillit Jr, PE.
2. Revise calculations prepared by Tilteco Inc, dated 09/30/05 sheets 1 through 7 signed and sealed by W. A. Tilteco Jr. PE.

**D. QUALITY ASSURANCE.**

1. Miami Dade County. Building Code Compliance Office.

**E. STATEMENTS:**

1. Test Compliance letter issued by Hurricane Test Laboratory, Inc., on 10/17/2000, signed by V. J. Abraham, PE.
2. Compliance letter issued by Tilteco, Inc, on 11/21/2000, signed and sealed by W. A. Tillit Jr, PE.
3. No financial interest letter issued by Tilteco, Inc. on 11/21/2000, signed and sealed by W. A. Tillit, PE.
4. Test clarification letter issued by Hurricane Test Laboratory, Inc. on 05/08/2001, signed and sealed by V. J. Abraham, PE.

**F. MATERIAL CERTIFICATION:**

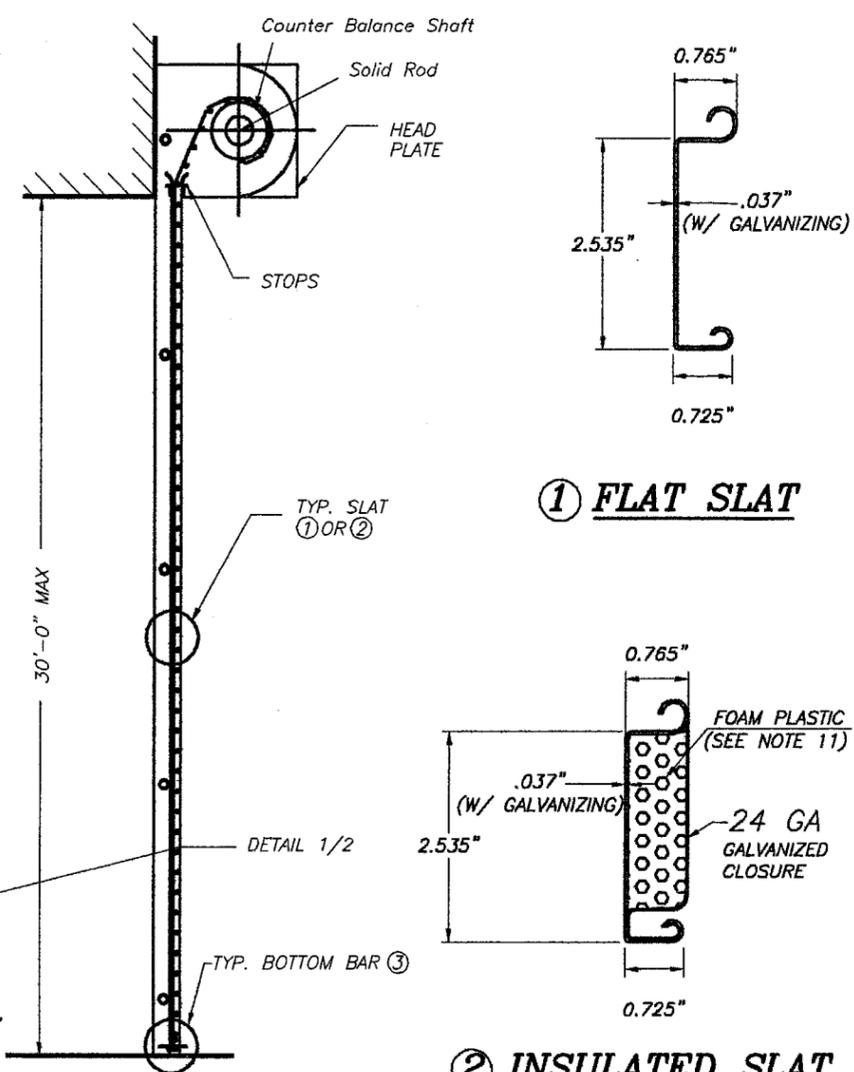
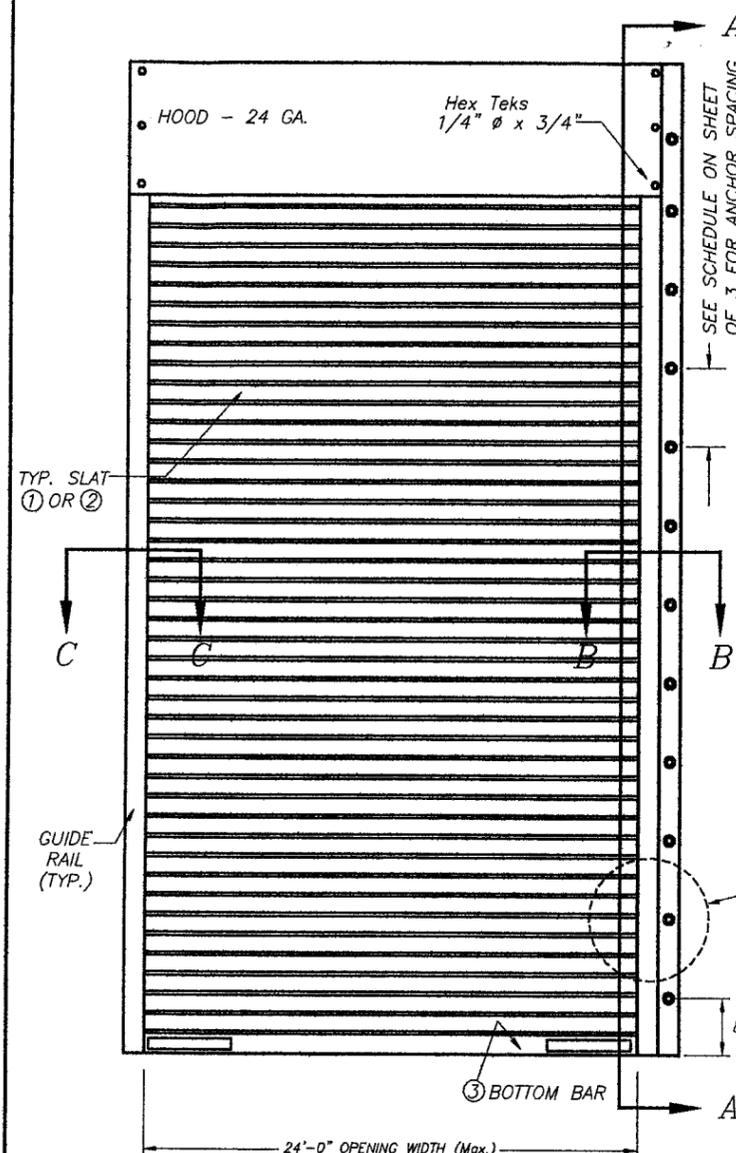
1. Product Control Notice of Acceptance No. 00-0403.11 issued to Allied Foam Products on 07/20/200, expiring on 06/19/2003.
2. Test report on tensile test of 1 Sample issued by Q C Metallurgical, Inc. on 12/13/2000, signed and sealed by F. Grate, PE.
3. No change letter issued by Tilteco, Inc on 12/17/02, signed and sealed by W. A. Tillit Jr. PE.
4. Bill of Sale of NOA numbers 01-0326.02 & 01-0622.01 from T.G.W. Rolling Doors, Inc to South Florida Rolling Doors, Inc, signed by Fidel & Ondina Torres on 07/02/03.

**F. OTHER**

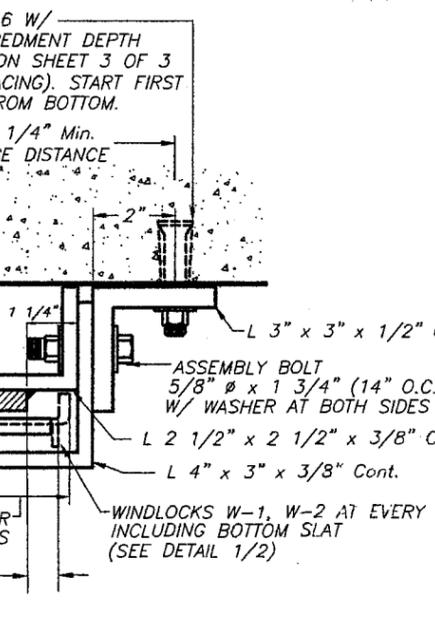
1. NOA # 05-1020.03



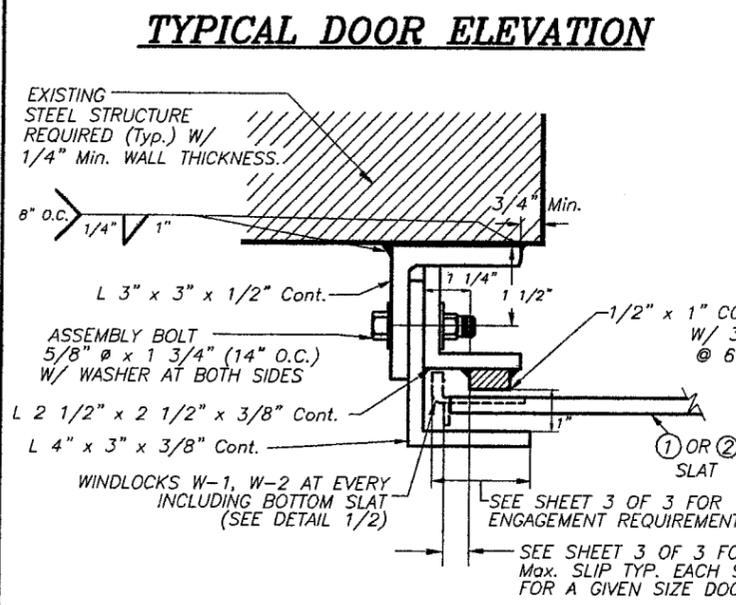
**Mohammed Iqbal Shaikh P.E.**  
**Senior Building Code Compliance Specialist**  
**NOA No. 07-0626.02**  
**Expiration Date: October 16, 2008**  
**Approval Date: September 20, 2007**



**SECTION A-A**  
SCALE: 1/2"=1"



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



**SECTIONS C-C**  
SCALE: 1/4"=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. W/ THE 2005 AND 2006 SUPPLEMENTS. 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 HTL REPORT # 0204-0902-00, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.

DESIGN PRESSURE RATING: +55.0, -55.0 PSF (EXCEPT AS NOTED ON ANCHOR SCHEDULE SHEET 3 OF 3)

- 2- SLAT TO BE A.S.T.M. A-653 GR 50 STRUCTURAL QUALITY STEEL WITH A MINIMUM Fy=50.0 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=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 "MALLEABLE IRON" Fy = 42 ksi OR A.I.S.I. DESIGNATION STEEL WITH Fy = 40 ksi.
- 7- HOOD TO BE 24 GA. A.S.T.M. A-653 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 Fy=37,000 psi.
- 9- CONCRETE ANCHORS TO BE AS MANUFACTURED BY HILTI, 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 E70XX ELECTRODES WITH MIN. 3/16" FILLET SIZE.
- 11- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION, MANUFACTURED BY APACHE PRODUCTS COMPANY. NOTICE OF ACCEPTANCE # 01-1108.09.
- 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 Vx AND Vy FORCES AT BOTH JAMBS. SEE SHEET 3 OF 3, TABLE 1 FOR Vx & Vy VALUES.
- 14- ROLL-UP MECHANISM NOT PART OF 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.

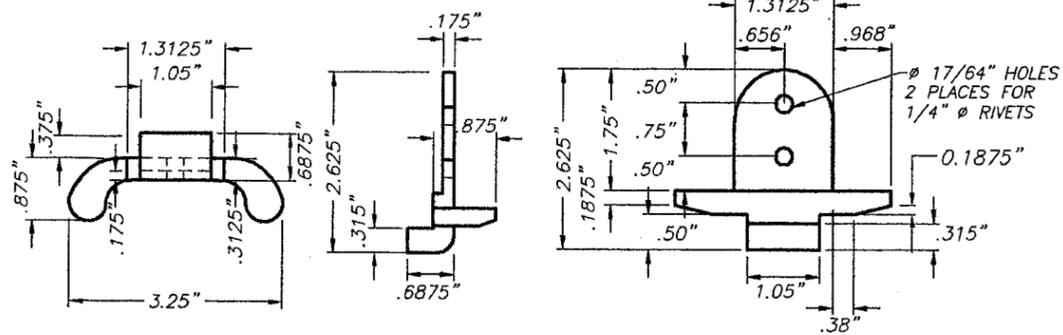
- (B) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.A.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (C) THIS P.A.D. 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  
 Approved by: **07-0626-02**  
 Approval Date: **10/16/08**  
 By: *[Signature]*  
 Product Control Division

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

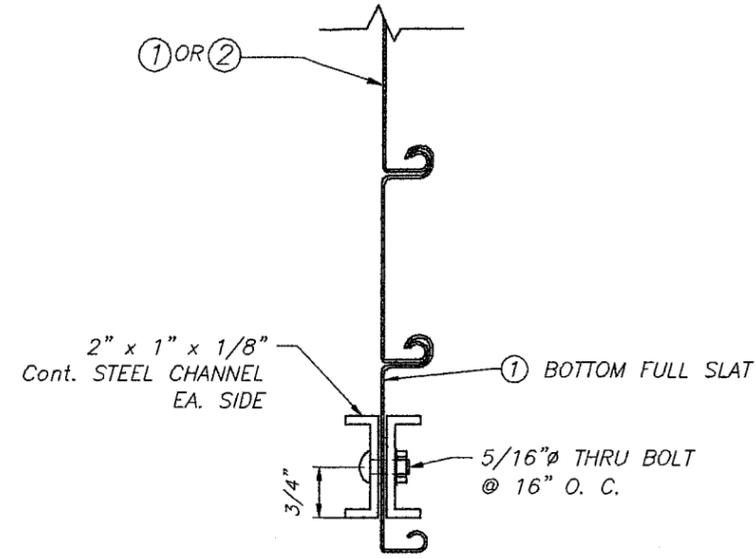
 <b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33108 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		<b>24'-0" Max. 0.037" SLAT ROLL-UP DOOR</b>		I/A DRAWN BY:
		<b>SOUTH FLORIDA ROLLING DOOR, INC.</b> 8900 N.W. 119th STREET HIALEAH GARDENS, FLORIDA 33018 PHONE: (305) 362-9477 FAX: (305) 362-9417		06/14/07 DATE
REV. NO. DESCRIPTION DATE REV. No. DESCRIPTION DATE		07-163 DRAWING No		SHEET 1 OF 3
1 OLD 05-314 06/14/07 3 - - 2 - - - - 4 - -				

AUG 22 2007

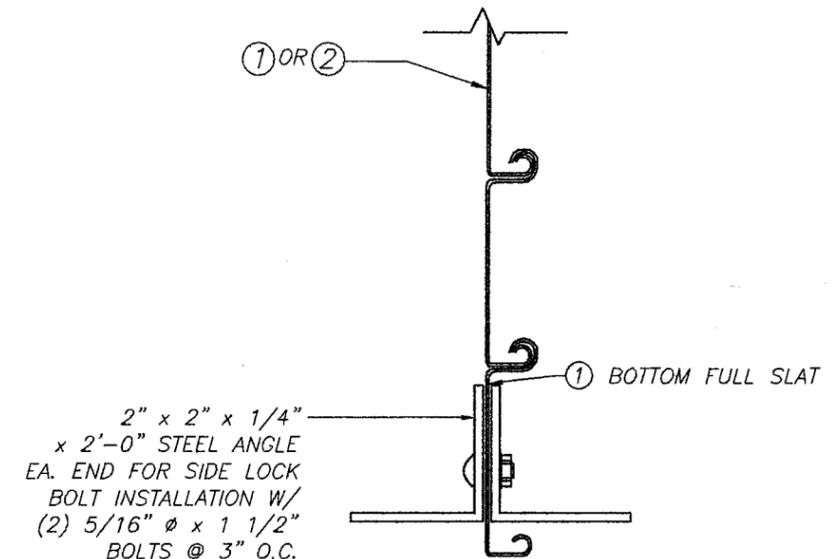


**TYPICAL WINDLOCK W-1 DETAIL**

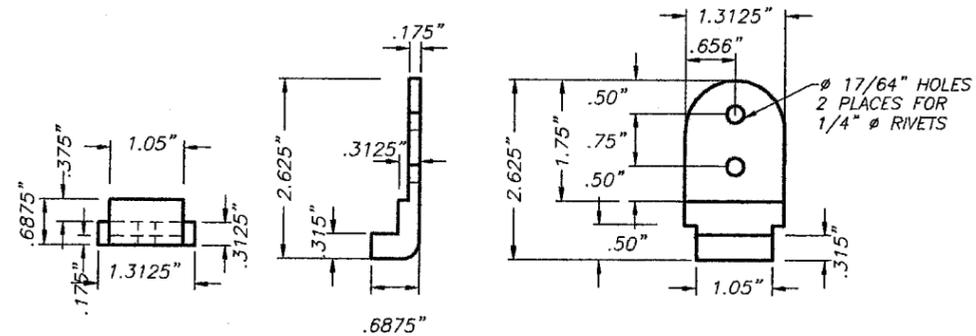
SCALE : 3/8" = 1"



**SECTION X1**



**SECTION X2**



**TYPICAL WINDLOCKS W - 2 DETAIL**

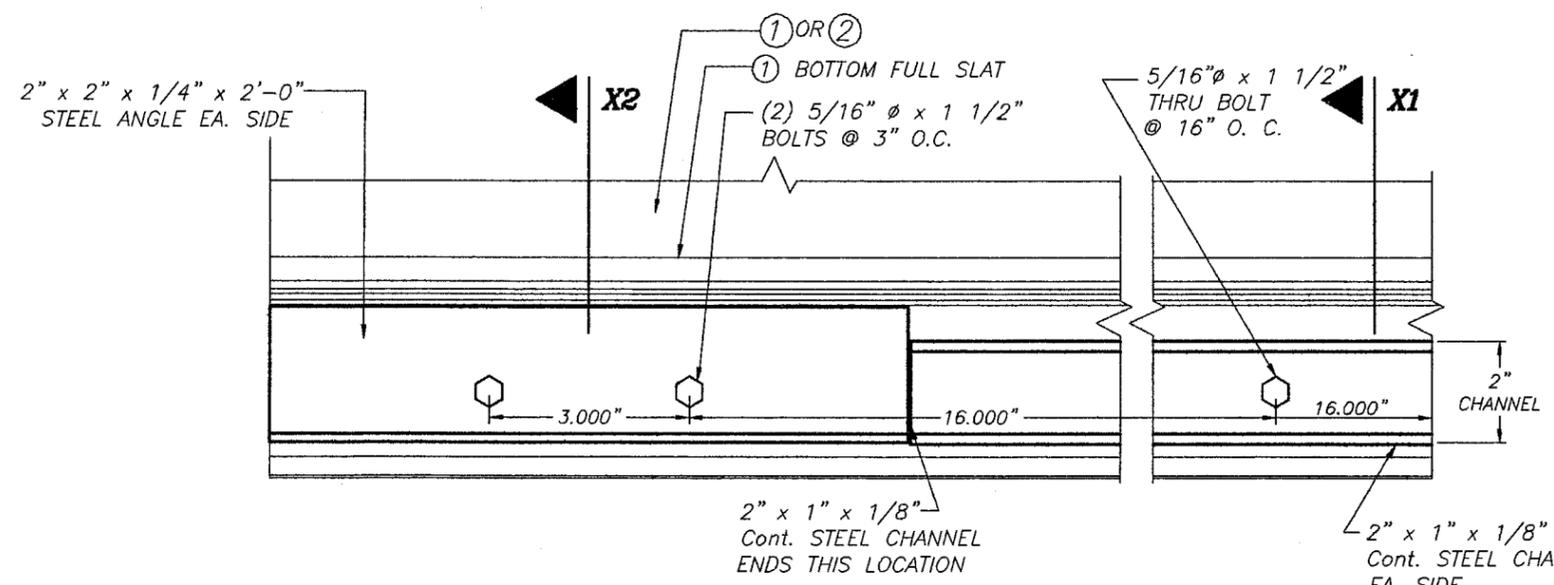
SCALE : 3/8" = 1"

**3 BOTTOM BAR DETAIL**

SCALE : 3/8" = 1"

**BOTTOM BAR 3 W/ ANGLE**

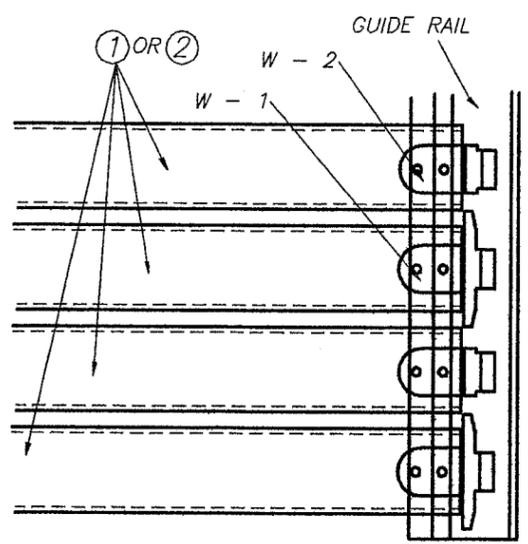
SCALE : 3/8" = 1"



**ELEVATION**

**BOTTOM BAR 3 W/ BRACKET**

SCALE : 3/8" = 1"



**(ELEVATION)**

**DETAIL 1**

SCALE : 3/16" = 1"

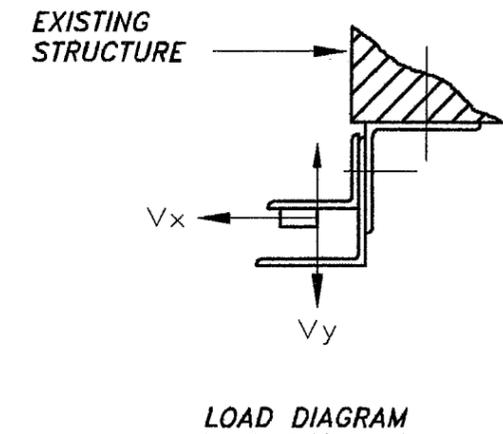
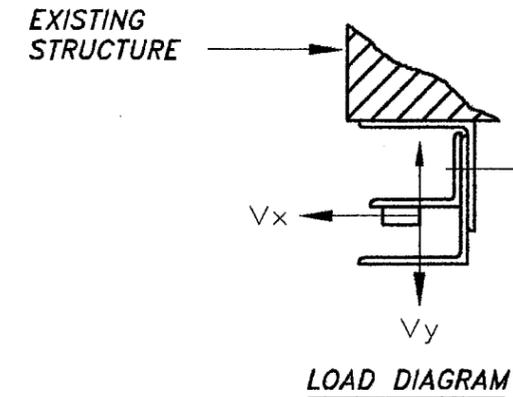
F.B.C. (High Velocity Hurricane Zone)

AUG 22 2007

<p>TILTECO INC. 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-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167</p>		24'-0" Max. 0.037" SLAT ROLL-UP DOOR		LA DRAWN BY:	
		<b>SOUTH FLORIDA ROLLING DOOR, INC.</b> 8900 N.W. 119th STREET HIALEAH GARDENS, FLORIDA 33018 PHONE: (305) 362-9477 , FAX: (305) 362-9417		06/14/07 DATE	
				07-163 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 05-314	06/14/07	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	REQUIRED ENGAGEMENT (In)
					FOR Min. f'c = 4000 psi CONCRETE *	
+45.0, -45.0	18'-0" OR LESS	15/16"	1436	405	7" O.C.	2 5/8"
	20'-0"	15/16"	1804	450	6" O.C.	2 5/8"
	22'-0"	15/16"	2171	495	5" O.C.	2 5/8"
	24'-0"	15/16"	2542	540	4 1/2" O.C.	2 5/8"
+50.0, -50.0	18'-0" OR LESS	7/8"	1702	450	6" O.C.	2 9/16"
	20'-0"	15/16"	2035	500	5 1/2" O.C.	2 5/8"
	22'-0"	15/16"	2437	550	4 1/2" O.C.	2 5/8"
	24'-0"	15/16"	2845	600	4 1/8" O.C.	2 5/8"
+55.0, -55.0	18'-0" OR LESS	7/8"	1906	495	5 1/2" O.C.	2 9/16"
	20'-0"	15/16"	2266	550	5" O.C.	2 5/8"
	22'-0"	15/16"	2704	605	4 1/4" O.C.	2 5/8"
	24'-0" **	1 1/8" **	2747 **	636 **	4 1/8" O.C. **	2 13/16" **



\* HILTI HSL-R M16 W/ 4 1/8" MINIMUM EMBEDMENT DEPTH & 6 1/4" Min. EDGE DISTANCE.

\*\* VALID ONLY UP TO ±53.0 psf. DESIGN LOAD.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-0626-02  
 Expiration Date 10/16/08  
 By [Signature]  
 Miami Dade Product Control  
 Division

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

*[Signature]*  
 AUG 23 2007

 TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th 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	24'-0" Max. 0.037" SLAT ROLL-UP DOOR	LA DRAWN BY:																	
	SOUTH FLORIDA ROLLING DOOR, INC. 8900 N.W. 119th STREET HIALEAH GARDENS, FLORIDA 33018 PHONE: (305) 362-9477 FAX: (305) 362-9417	06/14/07 DATE																	
<table border="1"> <tr> <th>REV. NO</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>OLD 05-314</td> <td>06/14/07</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </table>	REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 05-314	06/14/07	3	-	-	2			4			07-163 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE														
1	OLD 05-314	06/14/07	3	-	-														
2			4																
		SHEET 3 OF 3																	