



**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)**

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**Atlantic Rolling Door  
1903 West Farm Road  
Bronx, NY 10460**

**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 the BCCO and accepted by the Building Code and Product Review Committee (BCPRC) 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 BCCO (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. BCPRC reserves the right to revoke this acceptance, if it is determined by BCCO 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 South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

**DESCRIPTION: Rolling Steel Door**

**APPROVAL DOCUMENT:** Drawing No.05-207, titled "16'-0" Max 22 Gage Slat Roll-Up Door", sheets 1 through 4 of 4, prepared by Tilteco Inc., dated 7/19/05 with last revision 05/02/06, 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 # 02-0221.01 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Candido E. Font PE.**

  
06/08/06



**NOA No 05-1003.02  
Expiration Date: February 04, 2007  
Approval Date: June 08, 2006  
Page 1**

Atlantic Rolling Door

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

<b>A. Test Report</b>		<b>Test</b>	<b>Date</b>	<b>Signature</b>
	ATI #19757-2	ASTM E8	07/18/97	AN Reeves, PE
	ATI #19757	PA 201, 202 & 203	07/20/97	AN Reeves, PE
<b>B. Calculations</b>		<b>Date</b>	<b>Signature</b>	
	Tilteco, Inc.	08/14/97	WA Tillit, PE	
<b>C. Drawing</b>		<b>Number</b>	<b>Last Revision</b>	<b>Signature</b>
	Tilteco Inc.	05-207	05/02/06	WA Tillit, PE
<b>D. Quality Assurance</b>	Building Code Compliance Office.			

  
06/08/06  
Candido F. Font PE  
Senior Product Control Examiner  
NOA No 05-1003.02  
Expiration Date: February 04, 2007  
Approval Date: June 08, 2006

GENERAL NOTES:

- 1- This door shown on this product approval document (P.A.D.) has been verified for compliance in accordance with the Florida Building Code, 2004 edition.
- 2- Positive and negative design pressure calculations shall be performed in accordance with section 1620 of the above mentioned code. In order to verify that components and anchors on this P.A.D. as tested were not over stressed, a 33% increase in allowable stress for wind loads was not used in their analysis.
- 3- The details and specifications shown herein represent the products tested for impact, cyclic and uniform static air pressure in conformance with section 1609.1.4, per protocols TAS 201, 202, and 203 as per ATI report # 19757 with design loads as follows:
  - Positive Design Load 60.0 PSF
  - Negative Design Load 55.0 PSF
- 4- Slat to be A.S.T.M. A-653 Gr 40 Structural quality steel with min  $F_y = 47.2$  ksi and G-90 galvanizing, or A.I.S.I. 304 series stainless steel manufactured with a minimum yield strength of  $F_y = 47.2$  ksi.
- 5- All steel angles & channels to be A.S.T.M. A-36 designation, shop primed against corrosion prior to installation.
- 6- All assembly bolts to be S.A.E. Grade 5 cadmium plated or galvanized steel.
- 7- Steel windbars to be A.S.T.M. A-36 designation, shop primed prior to installation.
- 8- All  $3/8"$   $\emptyset$ -12 self tapping screws to be SAE Grade 5 designation.
- 9- Windlocks to be "Malleable Iron"  $F_y=42$  ksi or A.I.S.I. designation steel with  $F_y = 40$  ksi.
- 10- Hood to be 24 Ga. A.S.T.M. A-653 designation G-90 finish type coating.
- 11- All rivets to be A.I.S.I. 1035 Steel, Cadmium Plated, Stainless Steel or Zinc Plated w/  $F_y= 37,000$  psi
- 12- Concrete anchors to be as manufactured by Power Fasteners Inc. and shall be installed following all of the recommendations and specifications of the anchor's manufacturer.
- 13- All welding to conform to American Welding Society's D1.1 and latest edition's regulations, and the Florida Building Code. Use A.W.S A5.1 or A5.5 E60xx electrodes min.  $1/8"$  fillet size. Use certified welders.

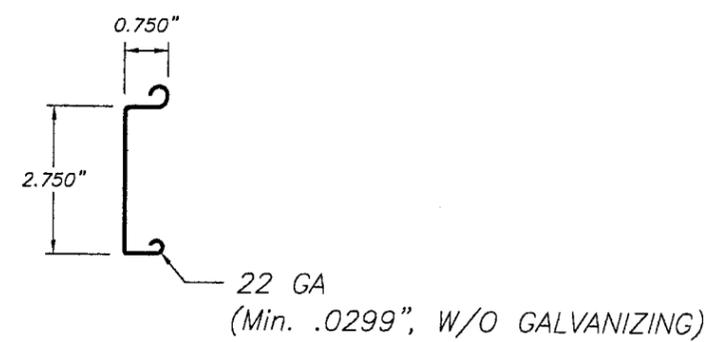
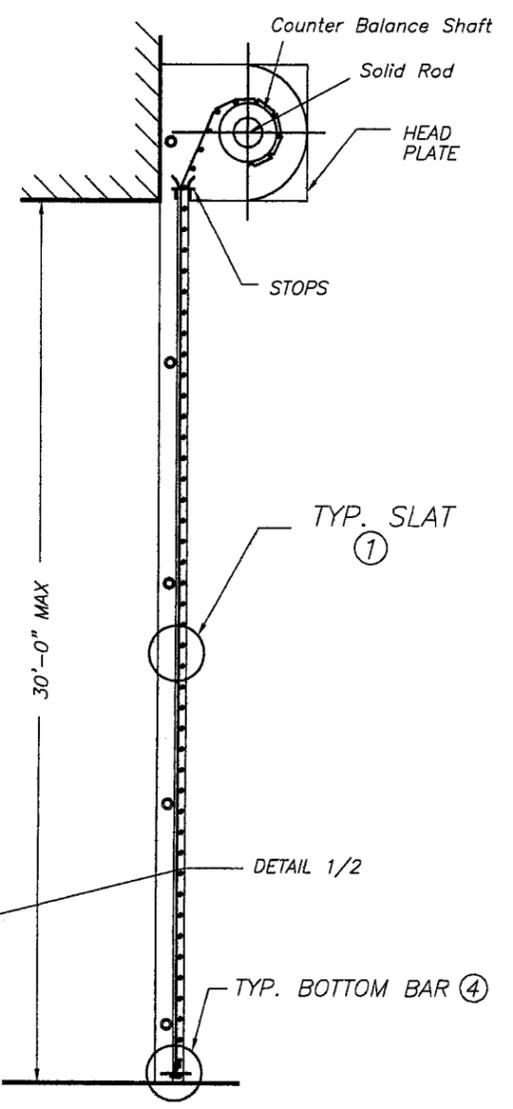
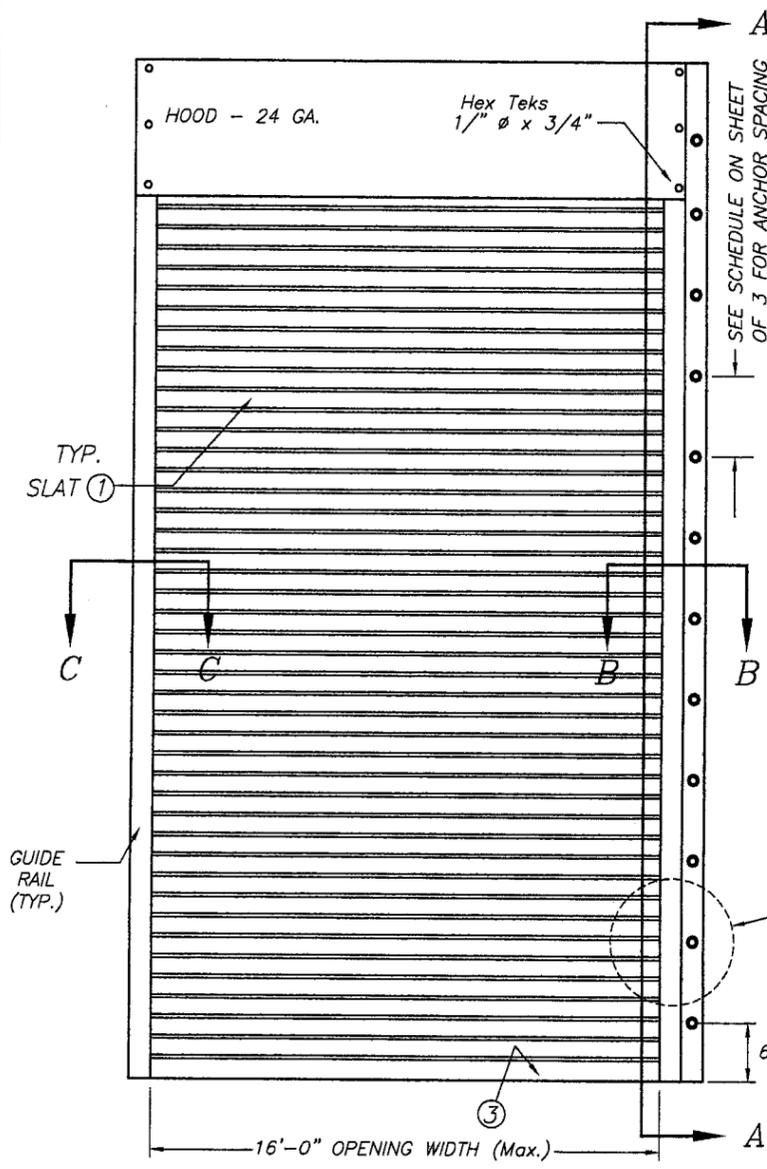
- 14- It shall be the responsibility of the contractor to verify that the existing structure is designed to support  $V_x$  and  $V_y$  forces at both jambs.  
See sheet 3 of 3, Table 1 for  $V_x$  &  $V_y$  values.
- 15- Roll up mechanism not included in this approval, and shall be certified by independent testing agency.
- 16- (a) This product approval document (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 product approval provided he/she does not deviate from the conditions detailed on this document. Construction safety at site is the conditions detailed on this document. Construction safety at site is the contractor's responsibility.  
(c) This product approval document 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.
- 17- Door manufacturer's label shall be placed on the exposed surface of the guide rail approximately 4" above the bottom of such rail. Label shall read as follows:  
Atlantic Rolling Steel Door Corp.  
Bronx, New York  
Miami-Dade County Product Control Approved.

PRODUCT REVISED  
in compliance with the Florida  
Building Code  
Approval No. 05-1003.02  
Approval Date 02/04/07  
  
Walter A. Tillit Jr. P.E.  
Miami-Dade Product Control  
Inspector

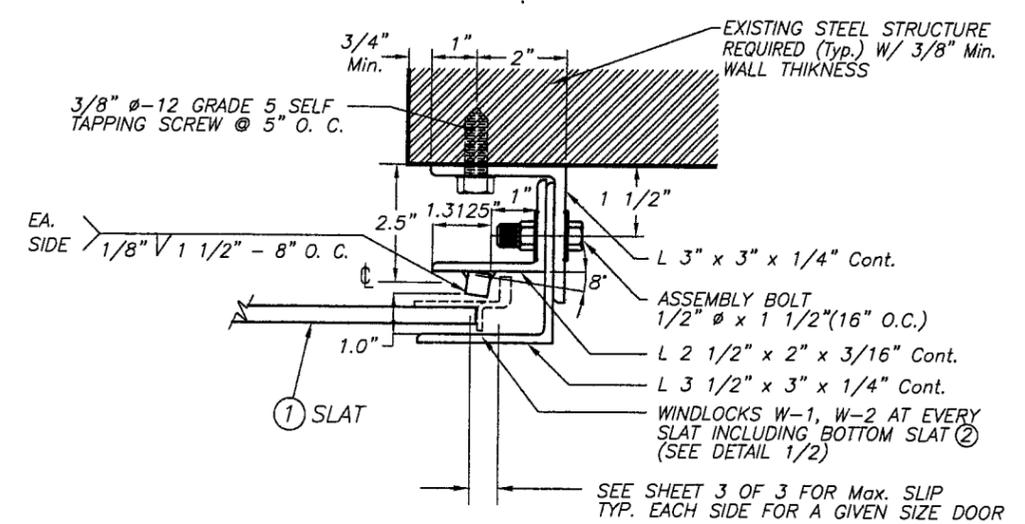
  
MAY 03 2006

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

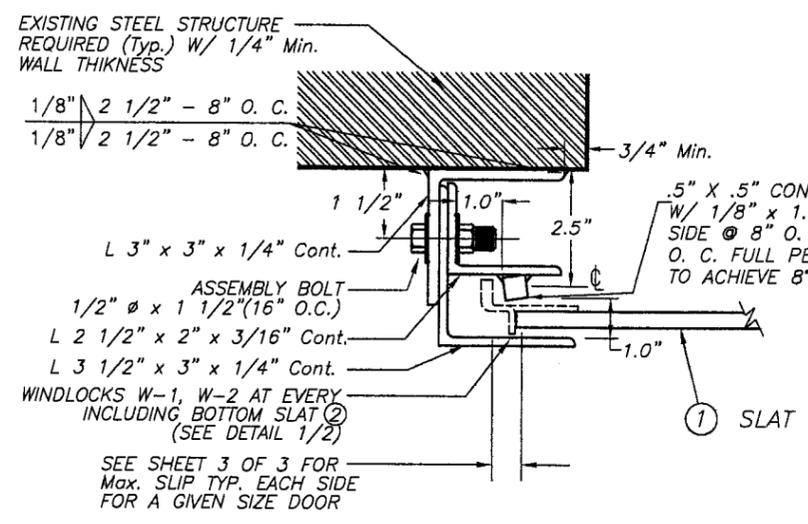
 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		16'-0" Max. 22 GAGE SLAT ROLL-UP DOOR		L. G. DRAWN BY	
		ATLANTIC ROLLING STEEL DOOR CORP. 1903 WEST FARMS ROAD BRONX, NEW YORK 10460		7/19/05 DATE	
REV. NO		DESCRIPTION		DATE	
1		OLD DRAWING 97-04		1/7/96	
2		GENERAL		5/2/06	
REV. No		DESCRIPTION		DATE	
3					
4					
				DRAWING No	
				05-207	
				SHEET 1 OF 4	



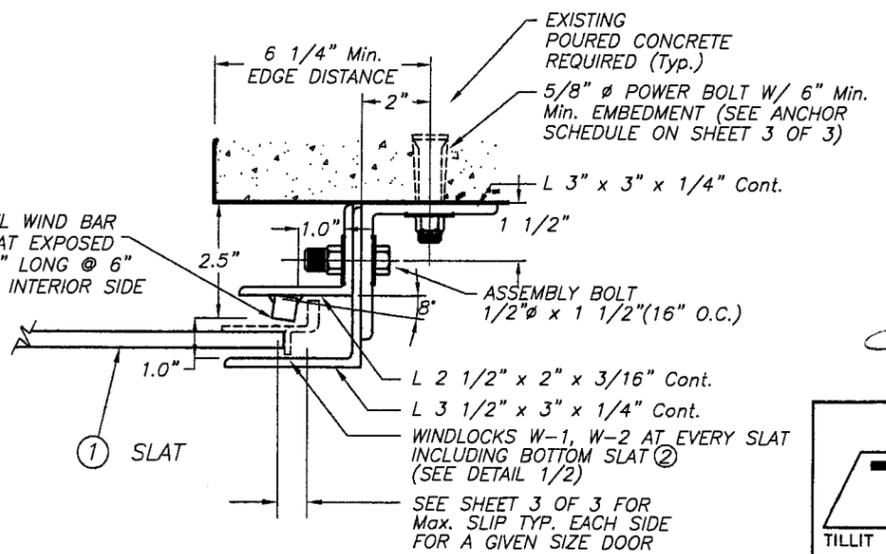
① FLAT SLAT



SECTIONS C-C (ALTERNATE)



SECTIONS C-C



SECTIONS B-B

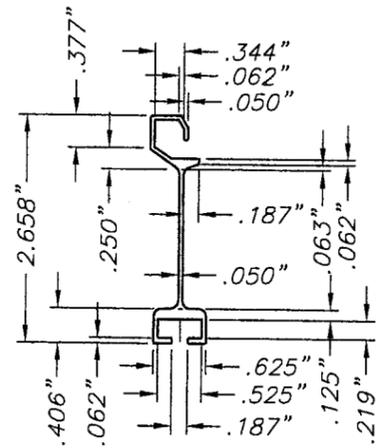
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Approved by 05-100302  
 02/03/07  
 Miami Building Product Council  
 Division

MAY 03 2006

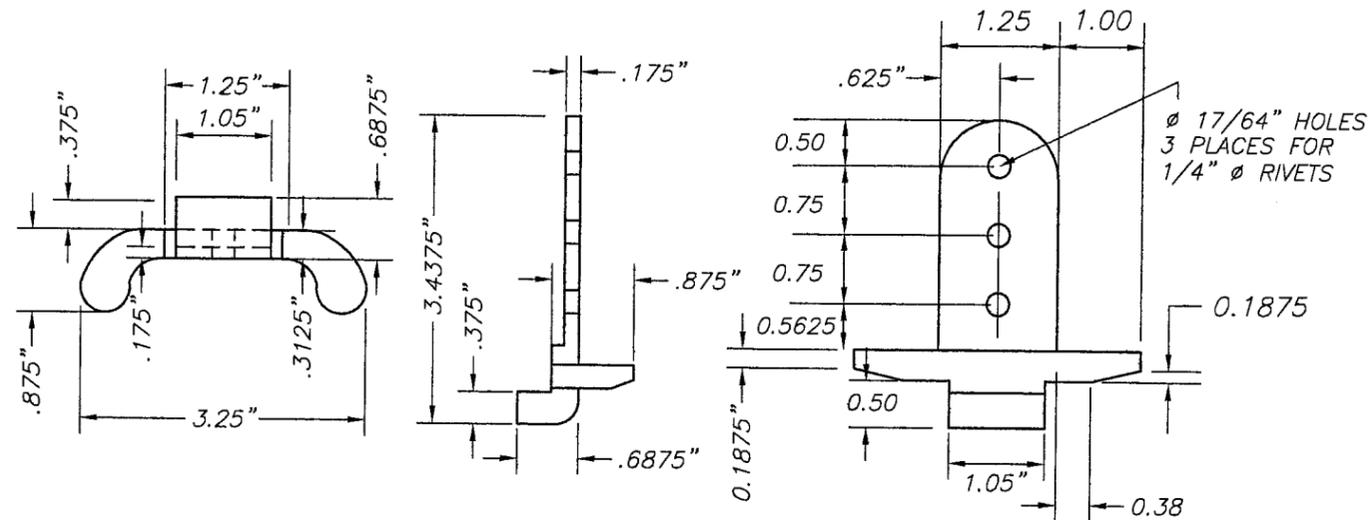
F.B.C. ( High Velocity Hurricane Zone)

**TILTECO Inc.**  
 TILLIT TESTING & ENGINEERING COMPANY  
 8355 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

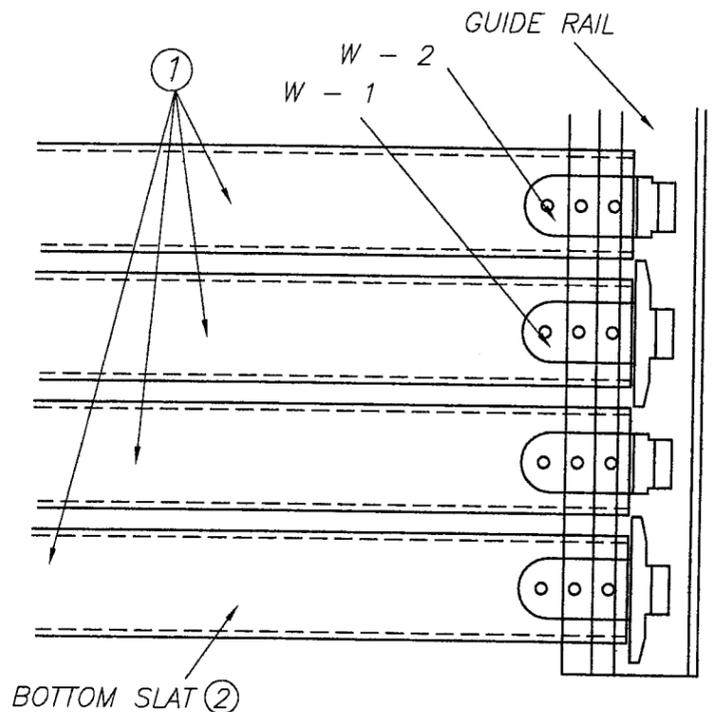
16'-0" Max. 22 GAGE SLAT ROLL-UP DOOR					L. G. DRAWN BY
ATLANTIC ROLLING STEEL DOOR CORP.					7/19/05 DATE
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD DRAWING 97-04	1/7/96	3		
2	GENERAL	5/2/06	4		
					SHEET 2 OF 4



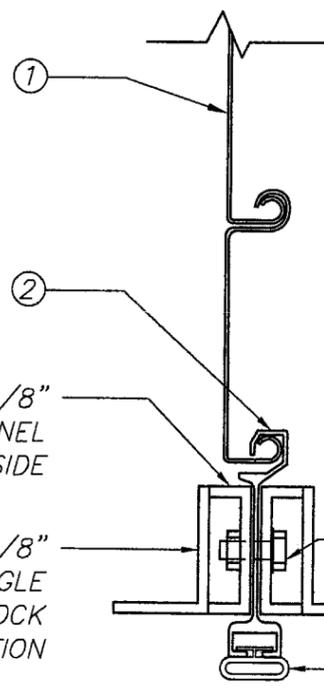
② Bottom Half Slat  
(6063-T5 ALLOY)



TYPICAL WINDLOCKS W - 1  
BETWEEN W-2 & W-2



DETAIL 1 (elevation)



1 1/2 x 1/2" x 1/8"  
Cont. STEEL CHANNEL  
EA. SIDE

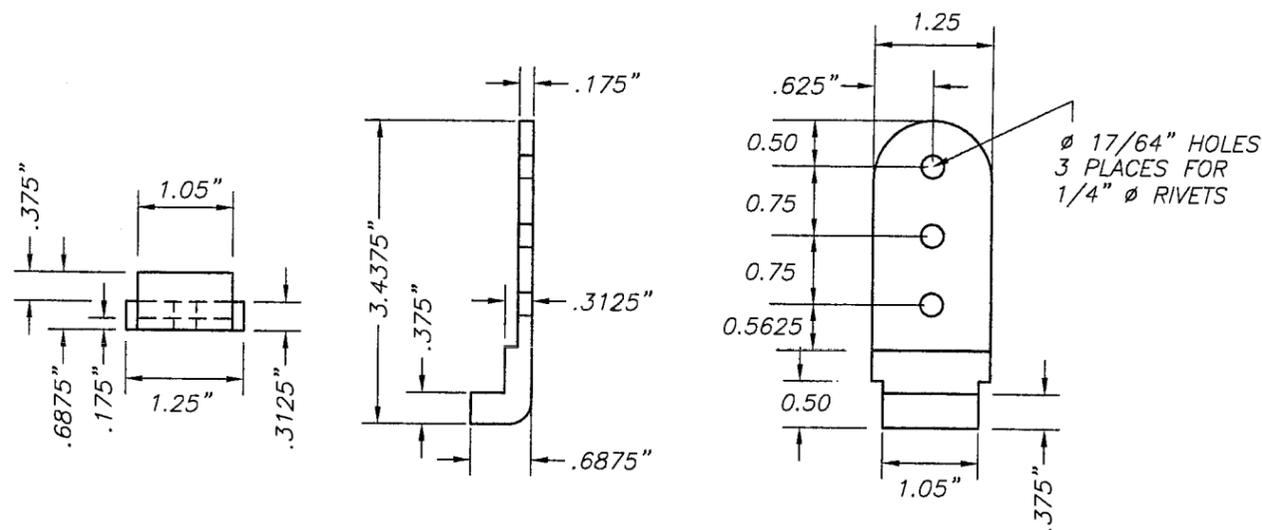
1 1/2 x 1 1/8" x 1/8"  
x 0'-6" STEEL ANGLE  
EA. END FOR SIDE LOCK  
BOLT INSTALLATION

1/4" Ø THRU BOLT  
@ 24" O. C.

Vinyl Weatherstripping  
(Optional)

ELEVATION

③ Bottom Bar



TYPICAL WINDLOCKS W - 2  
BETWEEN W-1 & W-1

PRODUCT REVISED  
to comply with the Florida  
Building Code  
05-1003.02  
02/04/07  
Michael Deane Product Control

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

MAY 03 2006

**TILTECO inc.**  
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Phone : (305)871-1530 . Fax : (305)871-1531  
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ATLANTIC ROLLING STEEL DOOR CORP.		7/19/05 DATE	
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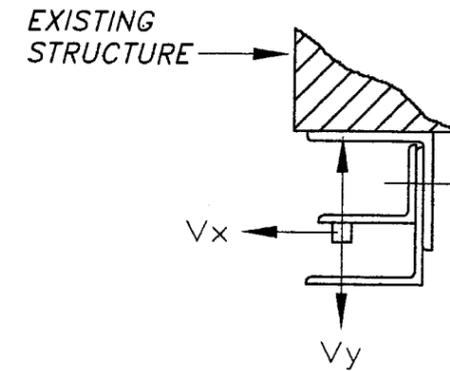
Vx & Vy REACTIONS & ANCHOR SCHEDULE

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 **
+60.0, -55.0	12'-0"	3/16"	2001.4	330	7 1/2"	9 1/2"
			2241.4	360		
	13'-0"	1/4"	2033.9	357	7 1/2"	9 1/2"
			2268.2	390		
	14'-0"	5/16"	2107.8	385	7"	9"
			2342	420		
	15'-0"	13/32"	2097.8	412.5	7"	9"
			2325.7	450		
	16'-0"	1/2"	2129.8	440	7"	8 1/2"
			2356.1	480		

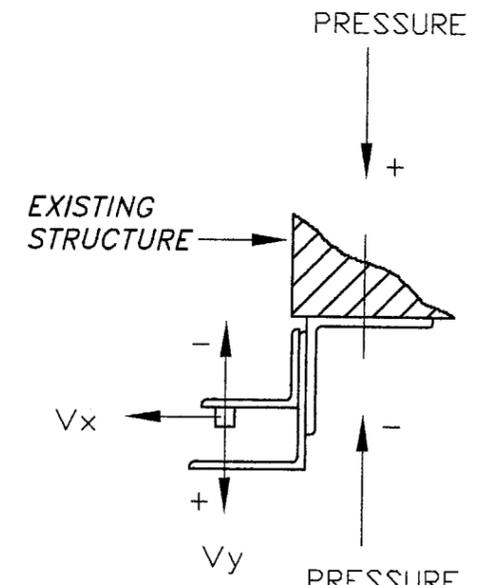
\* 5/8" Ø POWER BOLT W/ 6" MINIMUM EMBEDMENT BEYOND ANY WALL FINISH..

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

\*\*\* Vx & Vy REACTIONS ARE BASED ON 55 PSF TOP & 60 PSF BOTTOM.



LOAD DIAGRAM



LOAD DIAGRAM

PRODUCT REVISED  
to comply with the Florida  
Building Code  
05-1003.02  
02/04/07

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

MAY 03 2006

 TILLIT TESTING & ENGINEERING COMPANY 6355 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	16'-0" Max. 22 GAGE SLAT ROLL-UP DOOR	L. G. DRAWN BY																		
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