



MIAMI-DADE COUNTY
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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Best Rolling Doors, Inc.
9780 N.W. 79 Avenue
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. 24 Gauge Slat Steel Roll-up Door

APPROVAL DOCUMENT: Drawing No. **09-089**, titled: "16'-0" Max. 24 Gage Slat Roll-Up Door", sheets 1 through 3 of 3, dated 06/02/09, prepared by Tilteco, Inc, signed and sealed by Walter A. Tillit, Jr., P.E., 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 Resistant

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 **renews and revises** NOA # **05-0606.01** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Utrera
 7/13/09

NOA No. 09-0127.10
Expiration Date: June 28, 2014
Approval Date: August 05, 2009
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **09-089**, titled: "16'-0" Max. 24 Gage Slat Roll-Up Door", sheets 1 through 3 of 3, dated 06/02/09, prepared by Tilteco, Inc, signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Tensile Test per ASTM A370,
Along with marked-up drawings and installation diagram of Model S10-65-65 Steel Garage Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL # 5589**, dated 01/13/09, signed and sealed by Michael Wenzel, P.E.

C. CALCULATIONS

1. Anchor calculations complying with FBC-2007, prepared by Tilteco, Inc., dated 06/02/09, signed and sealed by Walter A. Tillit, Jr., P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-1107.08**, issued to Dyplast Products, LLC, for their Expanded Polystyrene Block Type Insulation, approved on 02/28/08 and expiring on 01/11/12.

F. STATEMENTS

1. Statement letter of code conformance, issued by Tilteco, Inc., dated 06/03/09, signed and sealed by Walter A. Tillit, Jr., P.E.
2. Statement letter of no financial interest, issued by Tilteco, Inc., dated 06/03/09, signed and sealed by Walter A. Tillit, Jr., P.E.

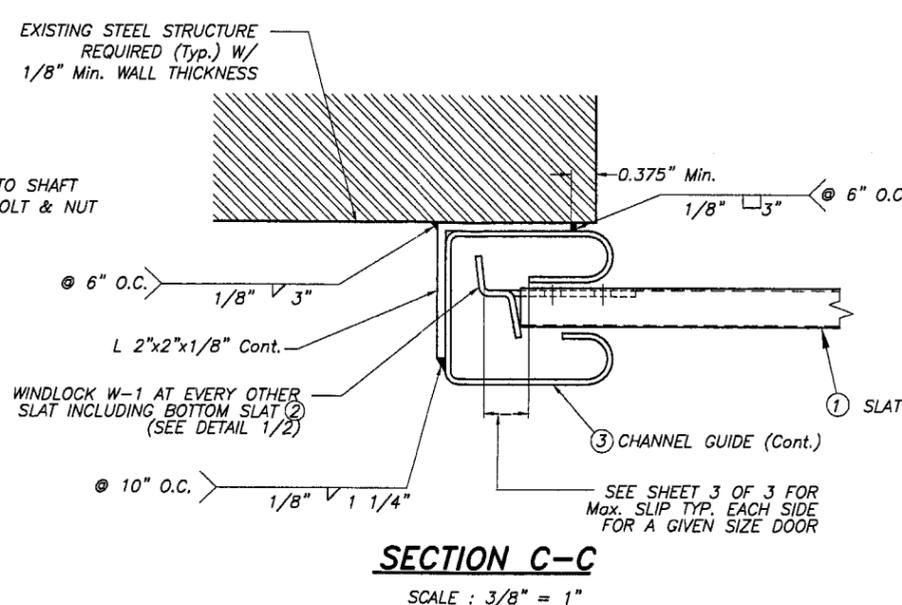
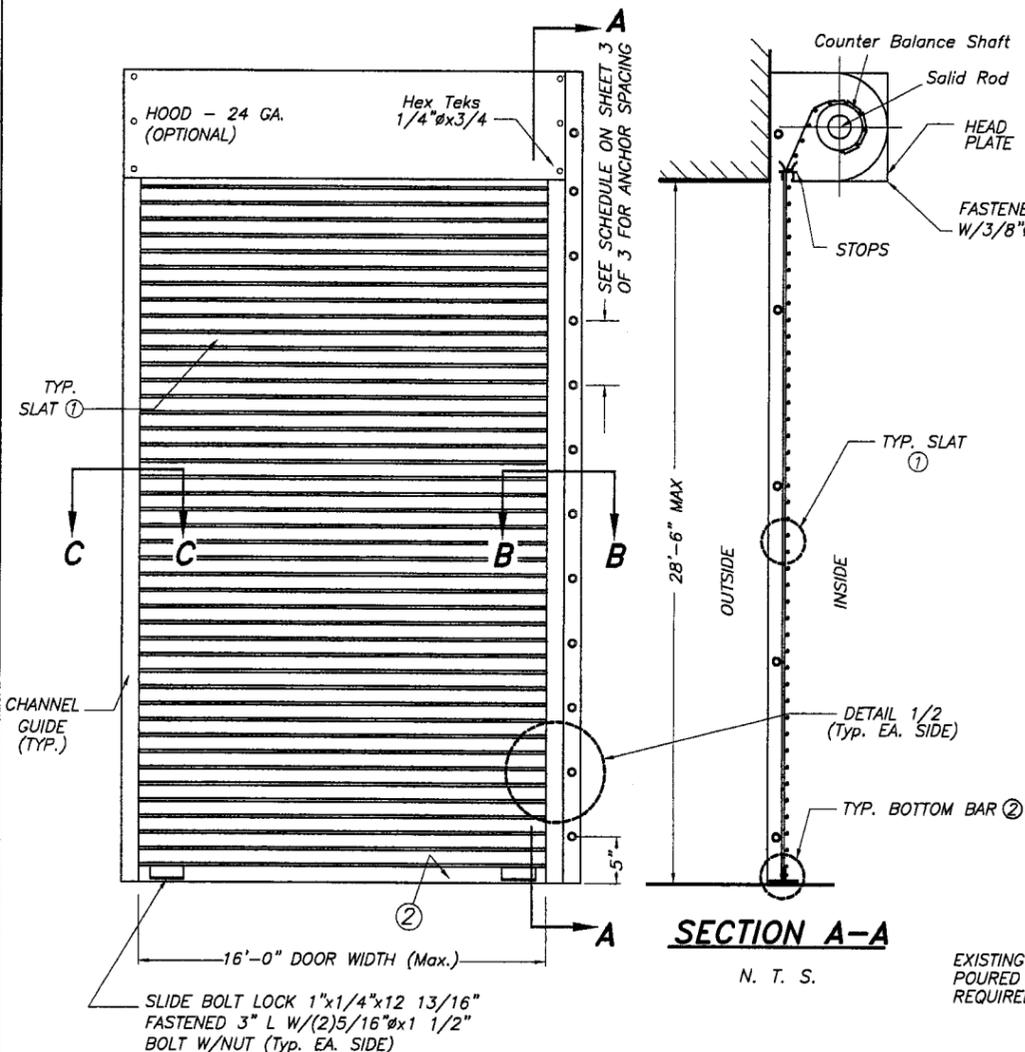
G. OTHER

1. Notice of Acceptance No. **05-0606.01**, issued to Best Rolling Doors, Inc., for their 16'-0" Max. 24 Gauge Slat Steel Roll-up Door, approved on 11/03/05 and expiring on 06/28/09.



7/13/09

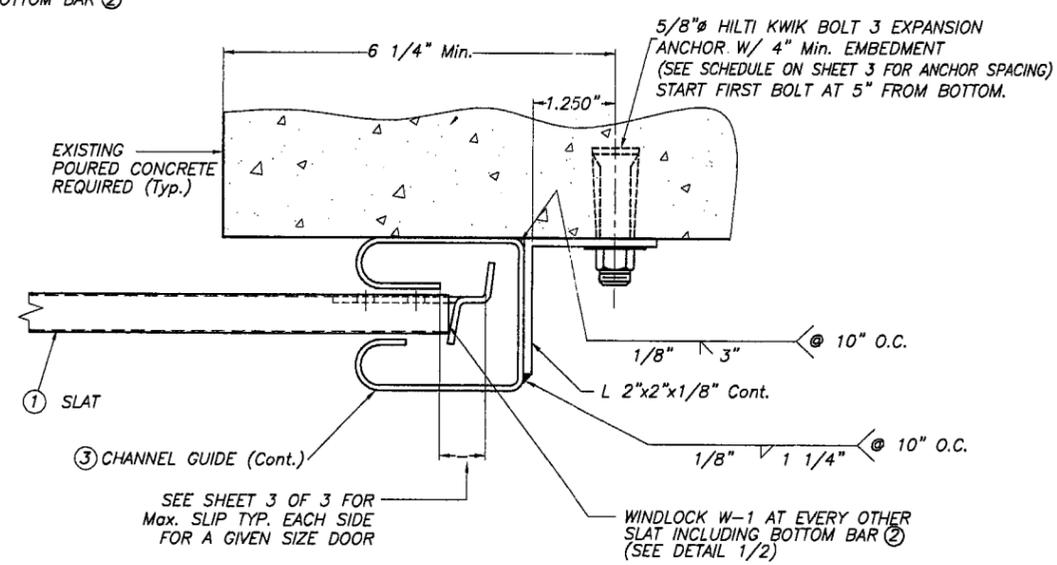
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-0127.10
Expiration Date: June 28, 2014
Approval Date: August 05, 2009



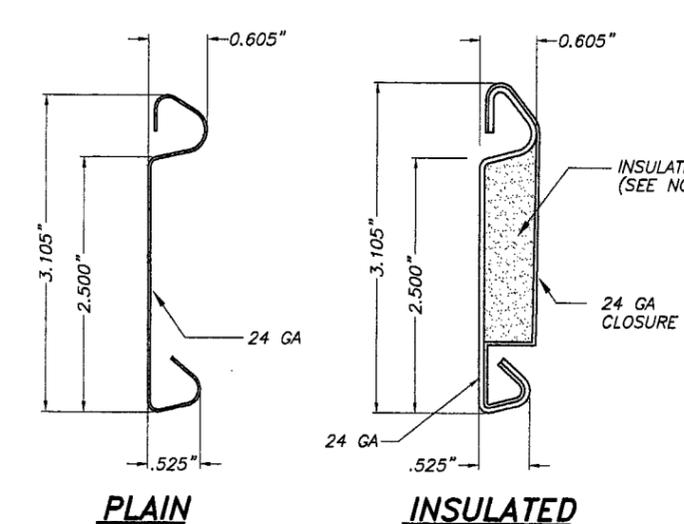
TYPICAL DOOR ELEVATION
N. T. S.

SECTION A-A
N. T. S.

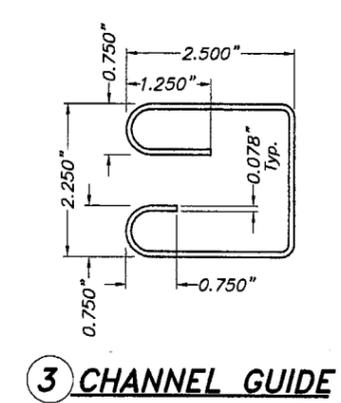
SECTION C-C
SCALE : 3/8" = 1"



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



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



3 CHANNEL GUIDE

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 2007 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 1626 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.

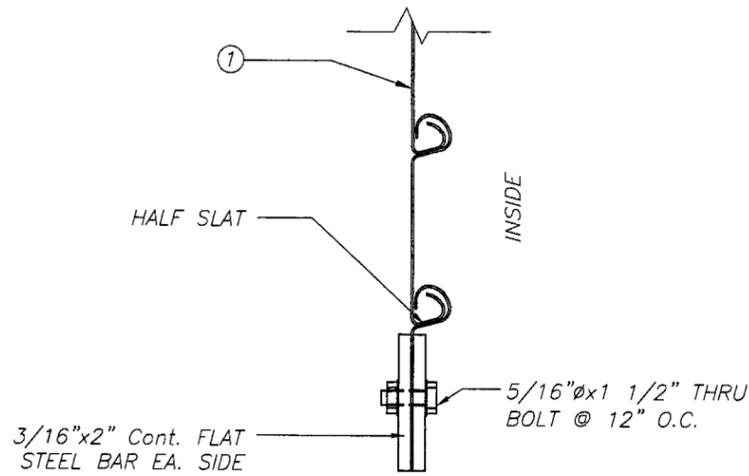
- 2- SLAT TO BE A.S.T.M. A-653 SQ. GRADE 40, WITH G-90 GALVANIZING OR A.I.S.I. STAINLESS STEEL SERIES MANUFACTURED WITH A MINIMUM YIELD STRENGTH OF 40.0 KSI.
- 3- ALL STEEL ANGLES TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.
- 4- GUIDES TO BE A.S.T.M. A-653 SQ. 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 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 E60XX ELECTRODES MIN. 1/8" FILLET SIZE.
- 11- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION, MANUFACTURED BY DYPLAST PRODUCTS LLC., NOTICE OF ACCEPTANCE # 07-1107.08.
- 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 09-0127.10
Expiration Date 06/28/2014
By *[Signature]*
Miami Dade Product Control Division

[Signature]
6/3/09

© 2009 TILTECO, INC.		16'-0" MAX. 24 GAGE SLAT ROLL-UP DOOR		DRAWN BY: L.G.	
TILTECO INC.		BEST ROLLING DOORS, INC.		6/2/09 DATE	
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 e-mail: tilteco@aol.com WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167		9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33016 PHONE: (305) 821-6607, FAX: (305) 362-887		09-089 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2	-	-	4	-	-

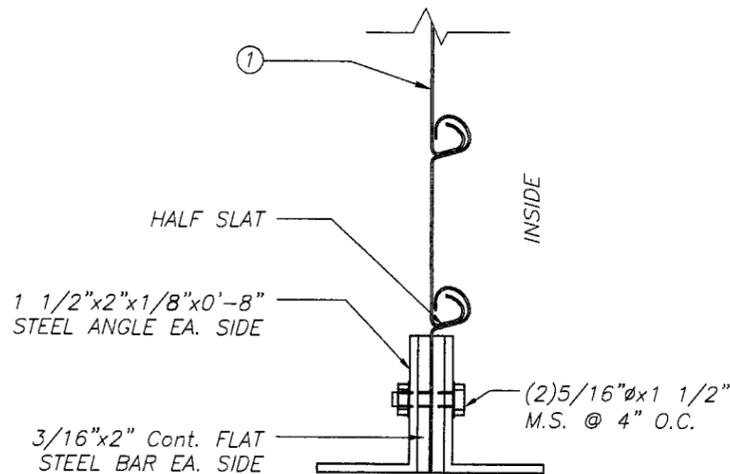
SHEET 1 OF 3



SECTION X1

② BOTTOM BAR DETAIL

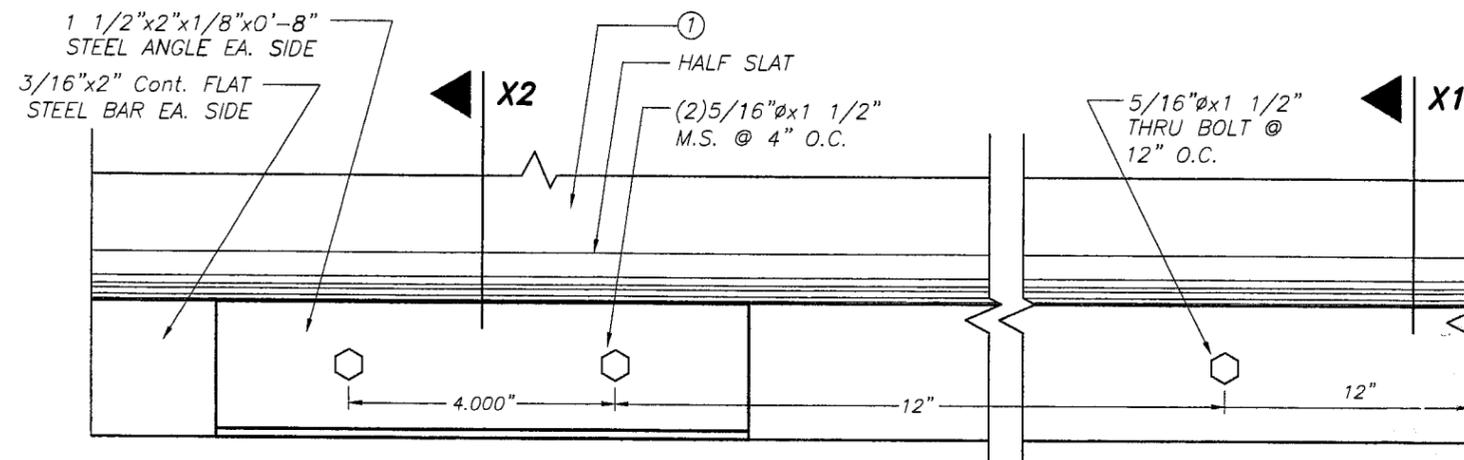
SCALE : 3/8" = 1"



SECTION X2

BOTTOM BAR ② W/ BRACKET DETAIL

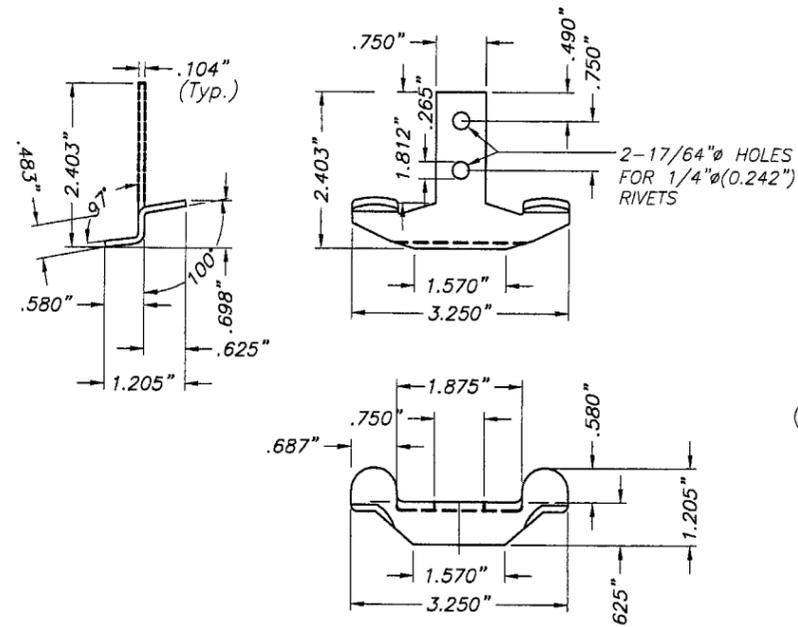
SCALE : 3/8" = 1"



ELEVATION

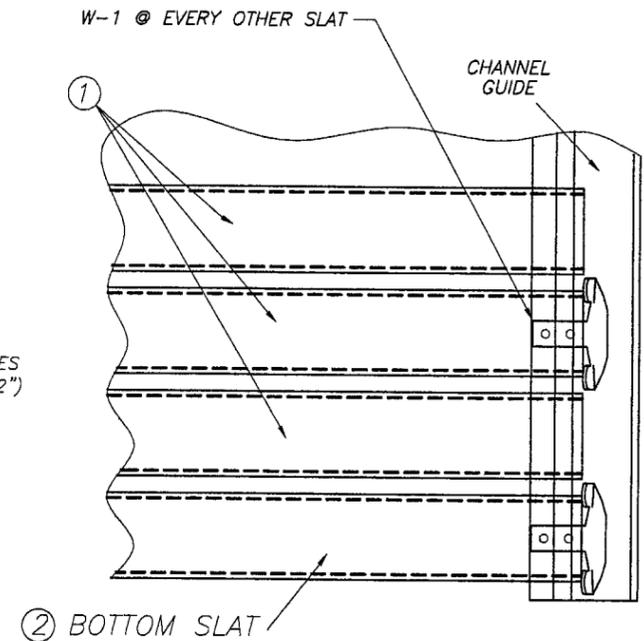
BOTTOM BAR ② W/ BRACKET

SCALE : 3/8" = 1"



TYPICAL WINDLOCK W - 1 DETAIL

SCALE : 3/8" = 1"



DETAIL 1 (elevation)

N. T. S.

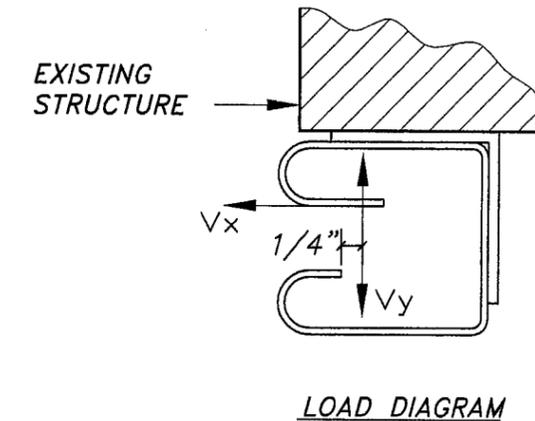
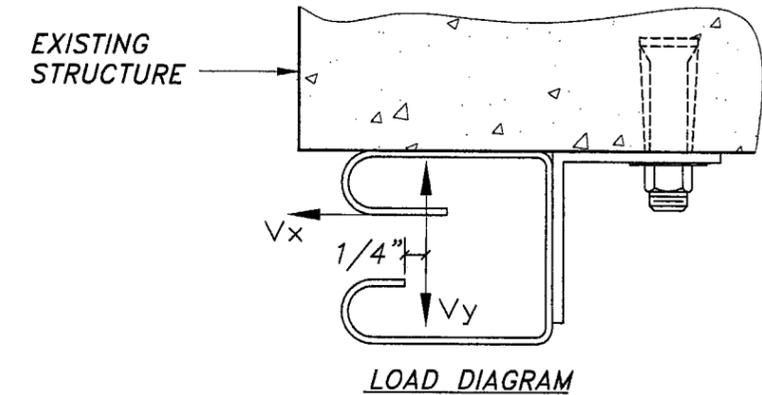
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0127-10
Expiration Date 06/29/2014
By [Signature]
Miami Dade Product Control
Division

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

© 2009 TILTECO, INC.		16'-0" MAX. 24 GAGE SLAT ROLL-UP DOOR		DRAWN BY: L.G.	
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1	OLD 05-081	6/2/09	3	-	-
2	-	-	4	-	-

V_x & V_y REACTIONS & ANCHOR SCHEDULE

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (Ft)	SLIP (In)	V _x (Lb/Ft)	V _y (Lb/Ft)	MAX., ANCHOR SPACING *		
					FOR Min. f' _c = 2000 psi CONCRETE	FOR Min. f' _c = 3000 psi CONCRETE	FOR Min. f' _c = 4000 psi CONCRETE
+50.0, -50.0	9'-0" OR LESS	1/16"	2127	225	10"	12"	12"
	12'-0"	1/8"	2617	300	8"	10"	11 1/2"
	14'-0"	3/16"	2787	350	7 1/2"	9"	10 1/2"
	16'-0"	5/16"	2681	400	7"	9"	10 1/2"
+60.0, -60.0	9'-0" OR LESS	1/16"	2667	270	8"	10"	11 1/2"
	12'-0"	1/8"	3205	360	6 1/2"	8"	9 1/2"
	14'-0"	3/16"	3392	420	6"	7 1/2"	8 1/2"
	16'-0"	5/16"	3253	480	6"	7 1/2"	8 1/2"



* 5/8"Ø HILTI KWIK BOLT 3 EXPANSION ANCHOR
W/ 4" MINIMUM EMBEDMENT, 6 1/4" MIN.
EDGE DISTANCE & 8" MIN. WALL THICKNESS.

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[Handwritten Signature]
6/3/09