



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) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Best Rolling Door, Inc.
9780 NW 79th Ave.
Hialeah, FL 32016

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' Wide Roll-Up Door.

APPROVAL DOCUMENT: Drawing No. 03-098, dated 05/09/03, with last revision on 10/30/03, titled "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 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 # 00-0602.05 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]
01/15/04



NOA No 03-0521.05
Expiration Date: June 28, 2004
Approval Date: January 15, 2004
Page 1

Best Rolling Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING:

1. Drawing No. 03-098, titled "Roll-Up Door", sheet 1 and 3 of 3, prepared by Tilteco, Inc., dated 05/09/03, with latest revision on 10/30/03, 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 Test per PA 202 on "Series: Roll-Up Door; Steel Garage Door". Prepared by Fenestration Testing Laboratory, Inc., report No. 2288, dated 05/05/99, 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 to 26, signed and sealed by W. A. Tillit Jr., PE. on 03/14/00.

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., P.E.
2. No Financial Interest letter issued by Tilteco, Inc., on 08/27/99, signed and sealed by W. A. Tillit Jr., P.E.
3. Test Compliance letter issued by Fenestration Testing Laboratory, Inc. on 12/06/99, signed and sealed by A. P. Gonzalez, PE.
4. Affidavit and Test Results of coils confirming that all doors were fabricated complying with the minimum steel yield strength.

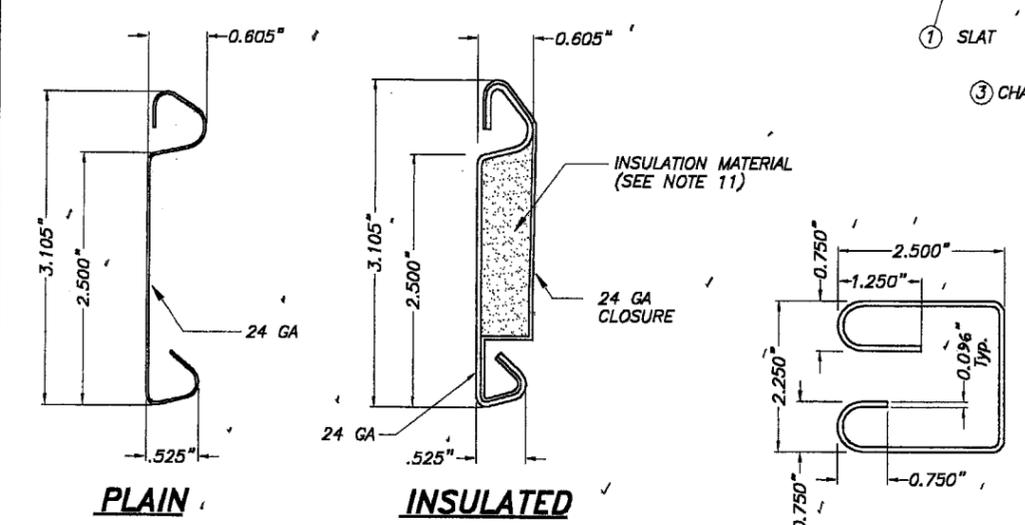
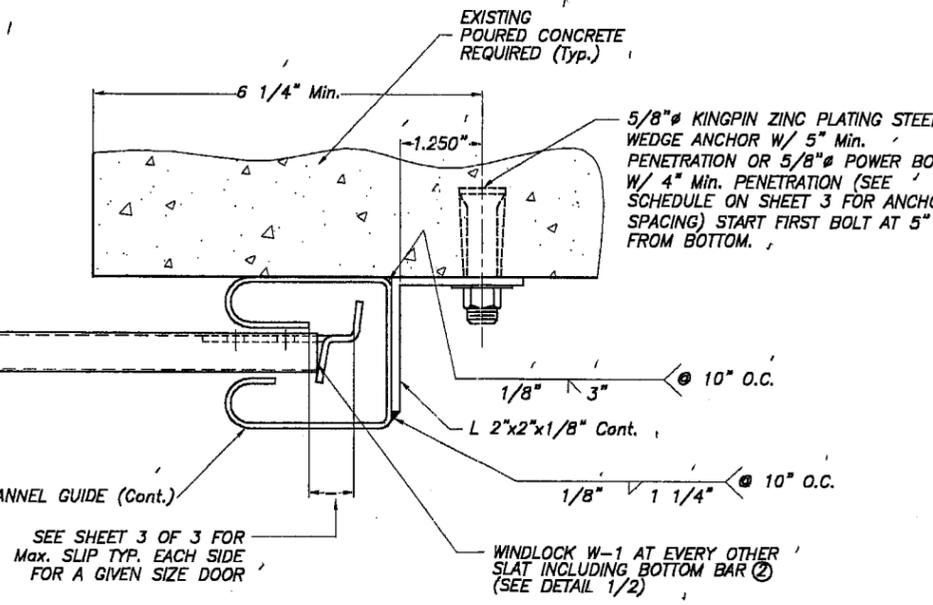
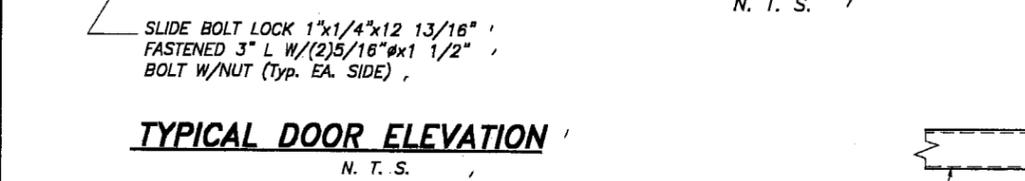
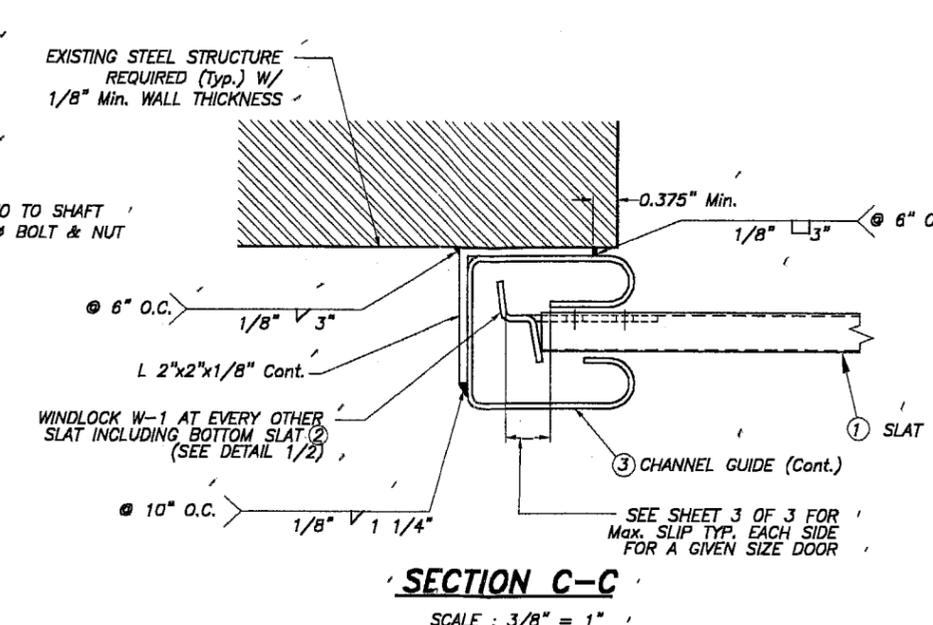
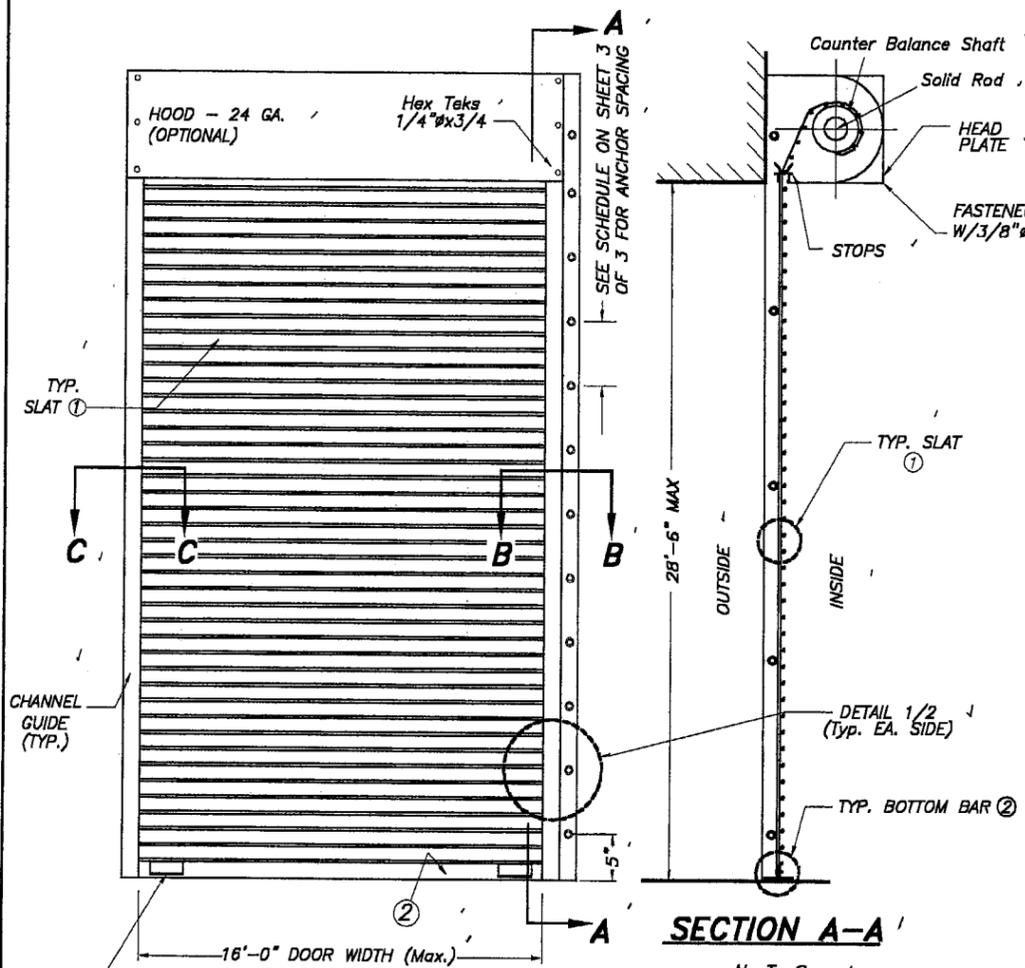
F MATERIAL CERTIFICATION:

1. Tensile Test Report No. ATC 13974.0001 per ASTM A 370 on steel prepared by ATC Associates, Inc., on 10/20/99, signed and sealed by S. E. Black, PE.
2. Affidavit of steel strength compliance issued by Best Rolling Door Inc on 10/25/03 signed by S. A. Suarez and notarized by M. E. Rivera.



01/15/04

Candido F. Font PE
Senior Product Control Examiner
NOA No 03-0521.05
Expiration Date: June 28, 2004
Approval Date: January 15, 2004



GENERAL NOTES:
 1- ROLL-UP DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2001 EDITION OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1619 OF THE ABOVE MENTIONED CODE, FOR A BASIC WIND SPEED OF 146 M.P.H., AND IN ACCORDANCE W/ ASCE 7-98. STANDARD.
 ROLL-UP DOOR'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1608.1.4 OF THE ABOVE MENTIONED CODE AS PER FTL REPORT # 2288 AS PER PA-201, PA-202 & PA-203 STANDARD.
 MAX. DESIGN LOADS ARE: +60.0, -60.0 PSF.

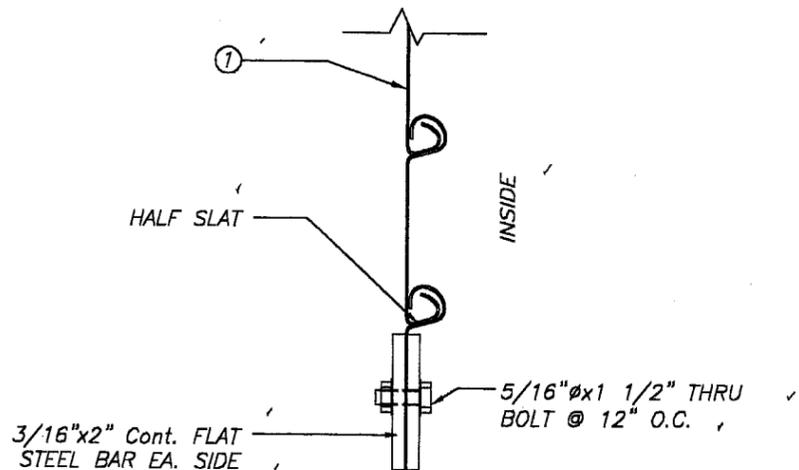
- 2- SLAT TO BE A.S.T.M. A-653 SQ. GRADE 40, WITH G-90 GALVANIZING OR A.I.S.I. STAINLESS STEEL SERIES MANUFACTURED WITH A MINIMUM YIELD STRENGTH OF 40.0 KSI.
- 3- ALL STEEL ANGLES TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.
- 4- GUIDES TO BE A.S.T.M. A-653 SQ. 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 U. S. ANCHORS CORPORATION OR POWERS FASTENING 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 PROFESSIONAL OF RECORD (P.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:
 To comply with the Florida Building Code
 Approval No. 03-0521.05
 Approval Date 06/28/04
 By: [Signature]
 Miami Dade Product Control Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

 TILECO INC. TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33186 Phone: (305)871-1530 Fax: (305)871-1531 EB-0008719 WALTER A. TILLIT, Jr., P. E. FLORIDA Lic. # 44167		ROLL-UP DOOR		AS SHOWN SCALE	
		BEST ROLLING DOORS, INC. 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33016		5/9/03 DATE 03-098 DRAWING No SHEET 1 OF 3	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 89-157	3/9/03	3	-	-
2	GENERAL NOTES(11, 13)	10/30/03	4	-	-

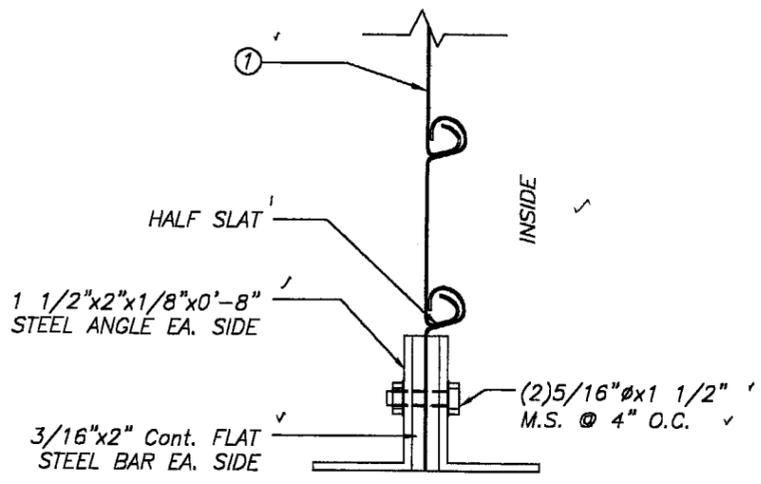
[Signature]
 11/26/03



SECTION X1

② BOTTOM BAR DETAIL

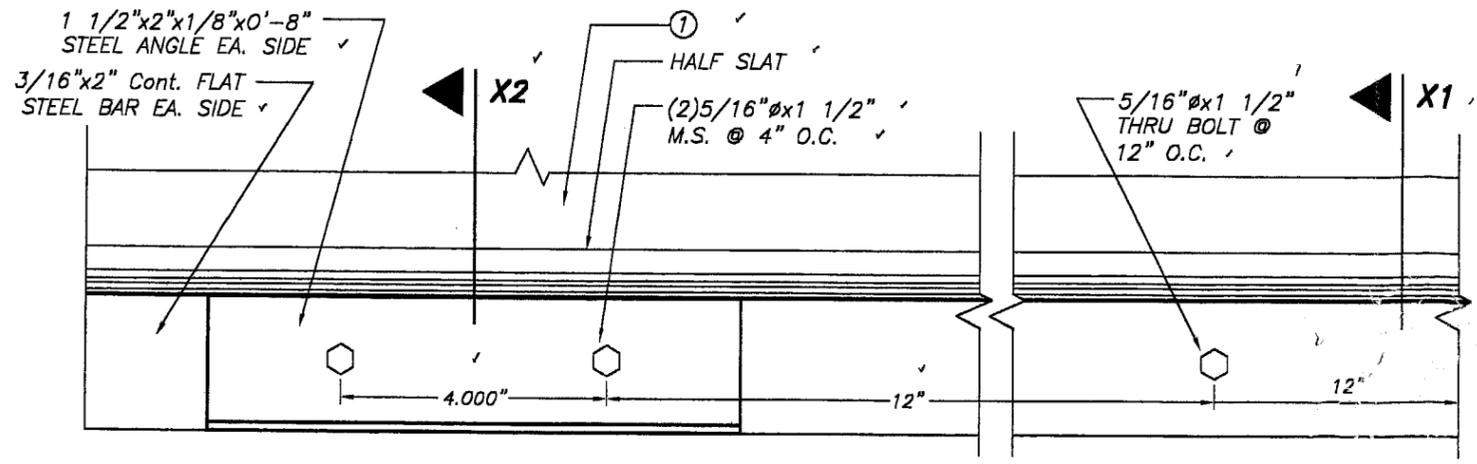
SCALE : 3/8" = 1"



SECTION X2

BOTTOM BAR ② W/ BRACKET DETAIL

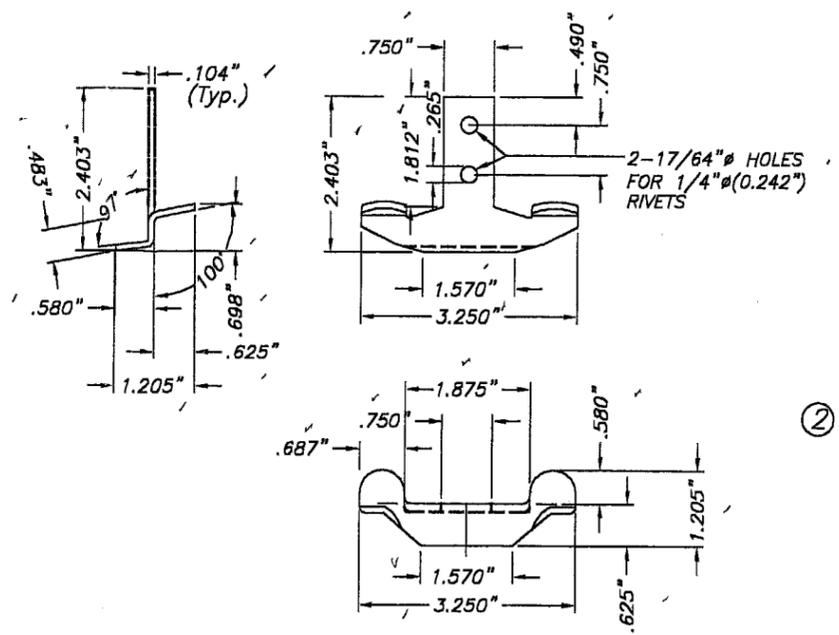
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ELEVATION

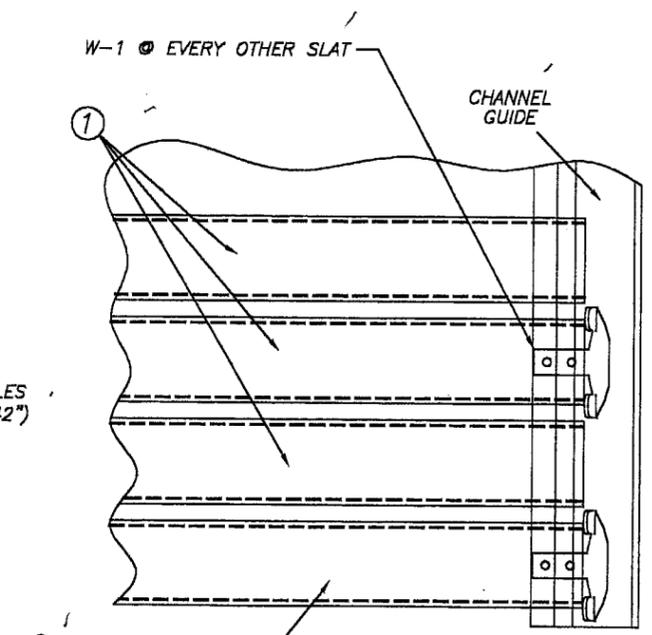
BOTTOM BAR ② W/ BRACKET

SCALE : 3/8" = 1"



TYPICAL WINDLOCK W - 1 DETAIL

SCALE : 3/8" = 1"



DETAIL 1 (elevation)

N. T. S.

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 03-0521.05
Expiration Date 06/28/04
By: [Signature]
Miami Dade Product Control
Division

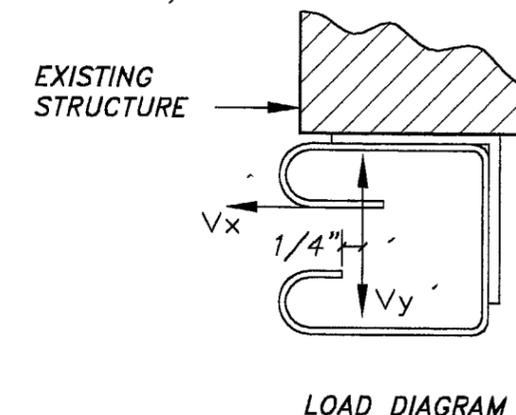
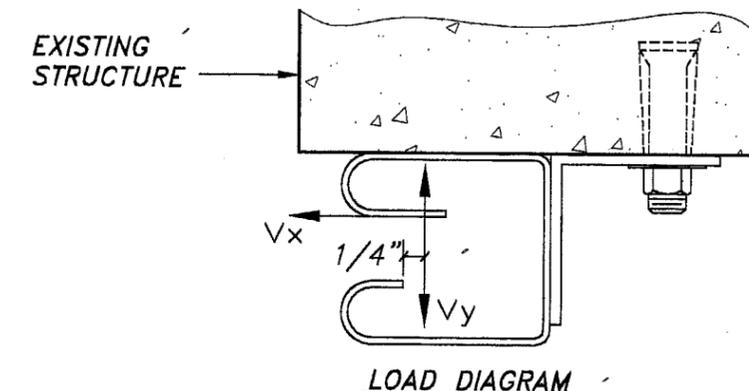
F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

 TILECO INC. TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		ROLL-UP DOOR AS SHOWN SCALE	
		BEST ROLLING DOORS, INC. 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33016	
1 OLD 99-157 5/9/03		3 - -	
2 - -		4 - -	
03-098 DRAWING No		SHEET 2 OF 3	

[Handwritten Signature]
11/26/03

V_x & V_y REACTIONS & ANCHOR SCHEDULE

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



* TYPE 1 ANCHOR : 5/8"Ø KINGPIN ZINC PLATING WEDGE ANCHOR W/ 5" MINIMUM EMBEDMENT.

** TYPE 2 ANCHOR : 5/8"Ø POWER BOLT W/ 4" 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
 in compliance with the Florida
 Building Code
 Approval No. 03-052105
 Expiration Date 06/28/04

 Walter A. Tillit Jr.
 Miami Dade Product Control
 Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

11/20/03

 TILTECO INC. <small>TILLIT TESTING & ENGINEERING COMPANY 8595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33186 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167</small>	ROLL-UP DOOR	<small>AS SHOWN SCALE</small>																		
	BEST ROLLING DOORS, INC. <small>9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33016</small>	<small>5/9/03 DATE</small>																		
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <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 99-157</td> <td>5/9/03</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> </tbody> </table>		REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 99-157	5/9/03	3	-	-	2	-	-	4	-	-	<small>03-098 DRAWING No</small>
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1	OLD 99-157	5/9/03	3	-	-															
2	-	-	4	-	-															
		<small>SHEET 3 OF 3</small>																		