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
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

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: Model S10-100 Steel Roll-up Door

APPROVAL DOCUMENT: Drawing No. **100_2009_01**, titled "Model S10-100", sheets 1 through 3 of 3, dated 03/25/09, prepared by Best Rolling Door, Inc, signed and sealed by Joseph H. Dixon, Jr., P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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 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.**

MIAMI-DADE COUNTY APPROVED

5/20/09

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **100_2009_01**, titled "Model S10-100", sheets 1 through 3 of 3, dated 03/25/09, prepared by Best Rolling Door, Inc, signed and sealed by Joseph H. Dixon, 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 S10-100 Steel Garage Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL # 5370**, dated 03/13/08, signed and sealed by Carlos S. Rionda, P.E.

C. CALCULATIONS

1. Calculations for attachment of "C" channel guide to steel or concrete jamb, dated 03/21/09, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

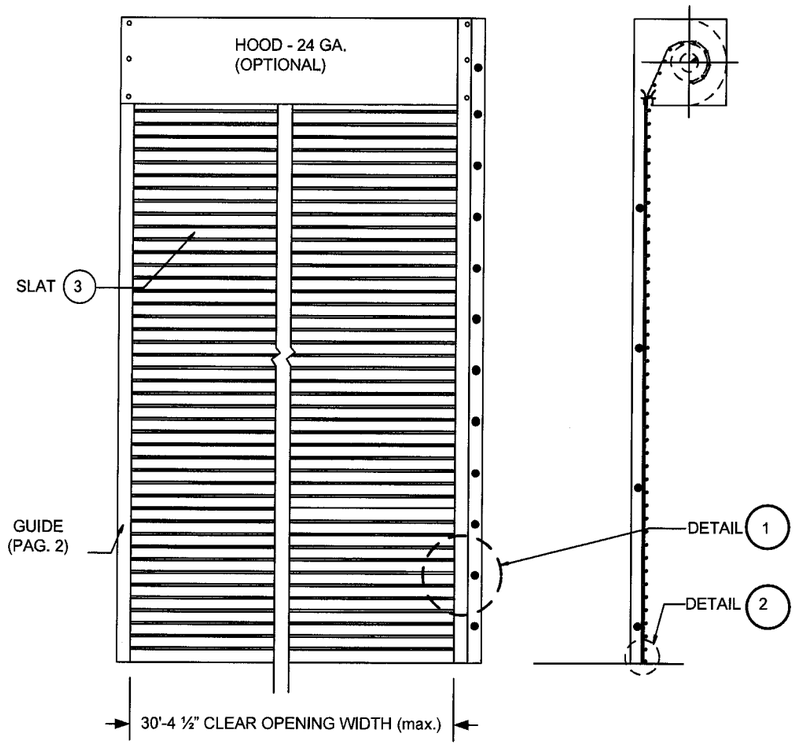
1. Notice of Acceptance No. **07-1107.08**, issued to Dyplast Products, LLC, for their Expanded Polystyrene Block Type Insulation, approved on 02/28/08 and expiring on 01/11/12.

F. STATEMENTS

1. Statement letter of code conformance, dated 03/30/09, signed and sealed by Joseph H. Dixon, Jr., P.E.
2. Statement letter of no financial interest, dated 03/20/09, signed and sealed by Joseph H. Dixon, Jr., P.E.

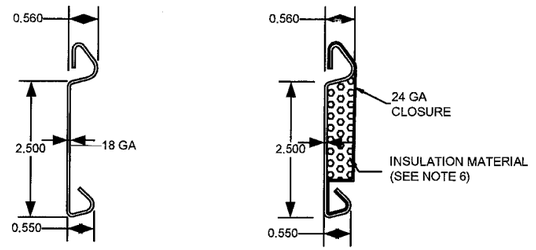
5/20/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-0415.09
Expiration Date: June 10, 2014
Approval Date: June 10, 2009

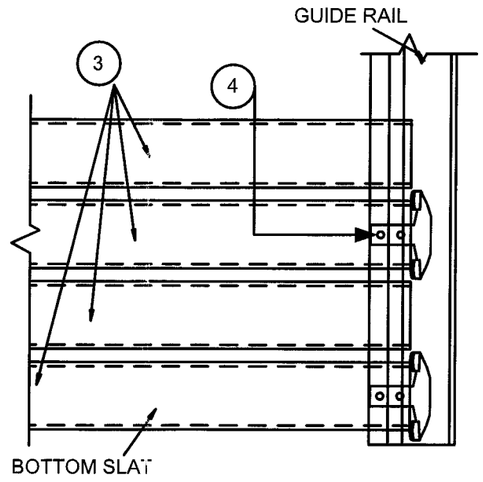


COILSIDE ELEVATION

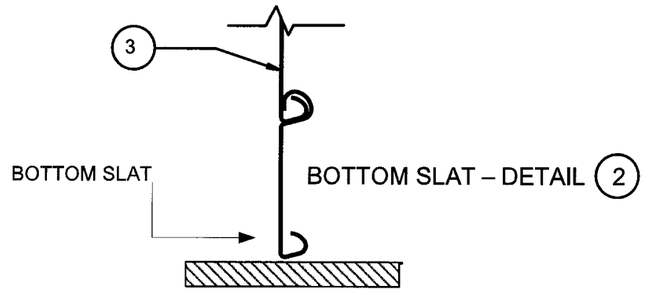
SIDE ELEVATION



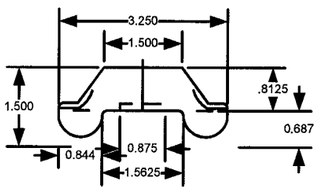
FLAT SLAT – DETAIL 3

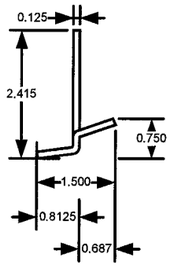


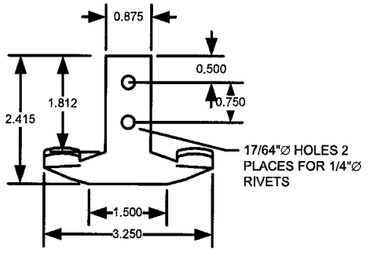
ELEVATION - DETAIL 1



BOTTOM SLAT – DETAIL 2







WINDLOCKS – DETAIL 4

GENERAL NOTES:

1- THE ROLL-UP DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2007 EDITION OF THE FLORIDA BUILDING CODE. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 & 1609 OF THE FBC, FOR A BASIC WIND SPEED OF 146 M.P.H.

THE ROLL-UP DOOR'S ADEQUACY FOR WIND PRESSURE,IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH THE 2007 TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES, TAS-201, TAS-202 & TAS-203.

DESIGN PRESSURE RATING: +100.0, -100.0 PSF

2- SLAT TO BE A.S.T.M. A-653 GR 50 STRUCTURAL QUALITY STEEL WITH MIN. FY = 50 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 KSI.

3- WINDLOCKS 11 GA PLATED STEEL. ASTM A-1011

4- ALL RIVETS TO BE A.I.S.I. 1035 STEEL, CADMIUM PLATED, STAINLESS STEEL OR ZINC PLATED W/ FY= 37,000 PSI.

5- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION MANUFACTURED BY DYPLAST PRODUCTS LLC COMPANY, DADE COUNTY NOTICE OF ACCEPTANCE # 07-1107.08.

6- DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL. DOOR IMPACTED ON BOTH SIDE.

7- GUIDE DETAILS CAN BE USED IN ANY COMBINATION.

8- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL DOCUMENT. THE CONTRACTOR SHALL ENSURE THAT THE WALL CAN SUPPORT THE JAMB FORCES INDICATE ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

Approved as complying with the
Florida Building Code
Date 06/10/2009
NOA# 09-0415.09
Miami Dade Product Control
Division
By

3/30/09

DADE COUNTY APPROVAL
2007 Florida Building Code

ROLLING STEEL DOOR
30'-4 1/2" (+100/-100 PSF)

ENG. NAME: JOSEPH H. DIXON JR. P.E.
FL 7768

Model S10-100

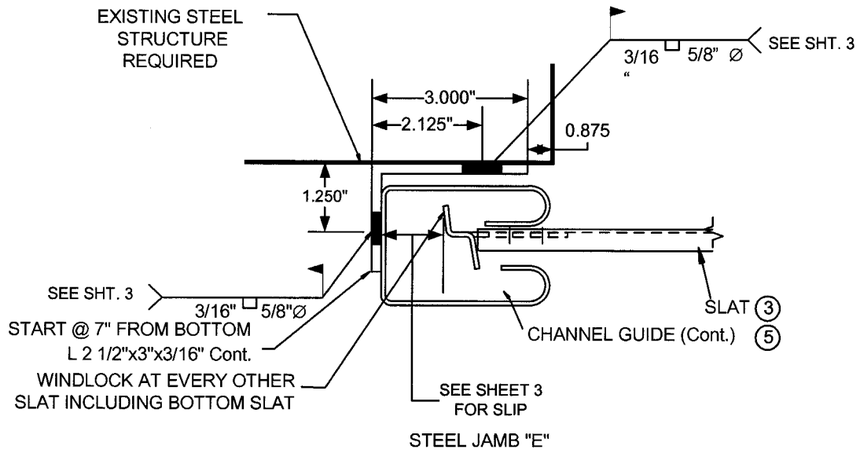
BEST ROLLING DOOR, MFG

9780 N.W. 79th AVENUE
HIALEAH GARDENS, FLORIDA 33016
PH: 305-698-3550 FAX: 305-698-3552
www.bestdoor.us

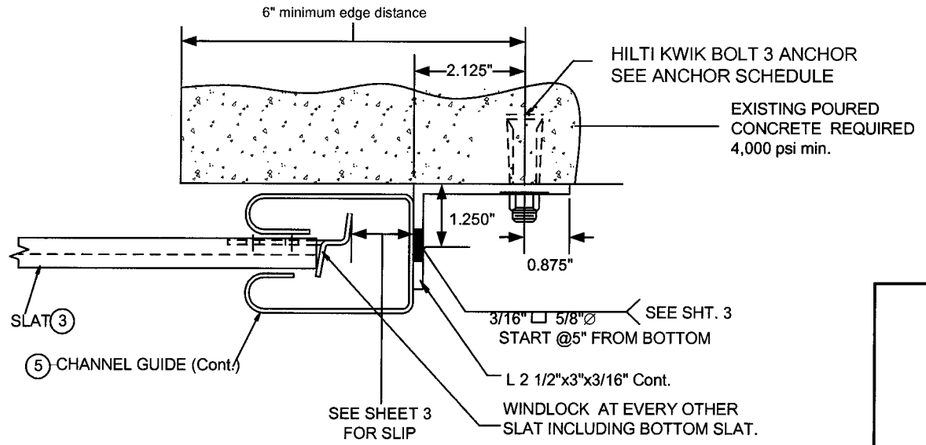
DRAWN BY
B.D.

DATE
03/25/09

DRAWN No
100_2009_01



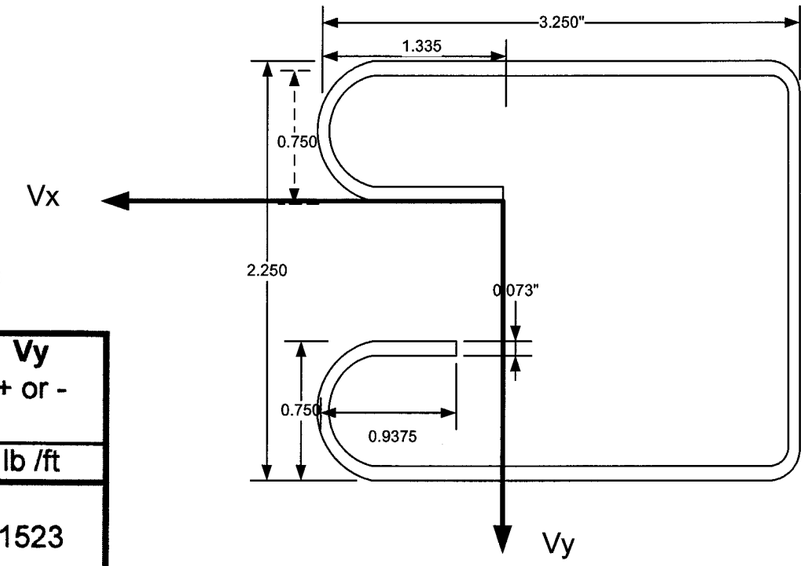
STEEL JAMB "E"



MASONRY JAMB "Z"

Vx and Vy Forces

DOOR OPENING WIDTH	Vx +	Vy + or -
	lb / ft	lb /ft
30' 4-1/2"	6799	1523
25'-0"	5035	1254
20'-0"	3528	1004
15'-0"	2670	754



CHANNEL GUIDE – DETAIL 5
Min. Yield Strength = 30,000 psi

Approved as complying with the Florida Building Code
Date 06/10/2009
NOA# 09-0415.07
Miami Dade Product Control Division
By

3/30/09

DADE COUNTY APPROVAL
2007 Florida Building Code

ROLLING STEEL DOOR
30'-4 1/2" (+100/-100 PSF)

ENG. NAME: JOSEPH H. DIXON JR. P.E.
FL 7768

Model S10-100

BEST ROLLING DOOR, MFG

9780 N.W. 79th AVENUE
HIALEAH GARDENS, FLORIDA 33016
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DRAWN BY
B.D.

DATE
03/25/09

DRAWN No
100_2009_01

SUMMARY OF ANCHORAGE CALCULATIONS

	Best Rolling Doors			
	18 gage slat, 0.0451" Design Wind Load +/- 100 psf			
	15'-0" wide	20'-0" wide	25'-0" wide	30-4 ½" wide
Slip	1.00 in	1.50 in	1.50 in	1.50 in
Catenary Force				
Positive Wind, P1pf	2757 plf	3658 plf	5183 plf	6964 plf
Negative Wind, P1nf	2757 plf	3658 plf	5183 plf	6964 plf
Vx and Vy Forces				
Positive Wind, Vx	2670 plf	3528 plf	5035 plf	6799 plf
Negative Wind, Vx	2670 plf	3528 plf	5035 plf	6799 plf
Positive Wind, Vy	754 plf	1004 plf	1254 plf	1523 plf
Negative Wind, Vy	754 plf	1004 plf	1254 plf	1523 plf
C-Guide, welded				
Electrode type	E70xx	E70xx	E70xx	E70xx
A. *Weld, guide to wall angle, Outstanding leg only*				
Hole diameter	5/8 "	5/8 "	5/8 "	5/8 "
Weld type	plug	plug	plug	plug
Weld thickness	3/16 "	3/16 "	3/16 "	3/16 "
Spacing	14 " o.c.	12 " o.c.	9 ¼ " o.c.	7 " o.c.
B. *Weld, wall angle to jamb*				
Hole diameter	5/8 "	5/8 "	5/8 "	5/8 "
Weld type	plug	plug	plug	plug
Weld thickness	3/16 "	3/16 "	3/16 "	3/16 "
Spacing	12 " o.c.	9 " o.c.	6 ¼ " o.c.	4 ¾ " o.c.
C-Guide, concrete anchors				
Concrete strength, fc	4000 psi	4000 psi	4000 psi	4000 psi
Positive Wind				
anchor tension, F1ZCp	1629 plf	2204 plf	1944 plf	1530 plf
compression, F2ZCp	875 plf	1199 plf	690 plf	7 plf
shear, F3ZCp	2670 plf	3528 plf	5035 plf	6799 plf
Negative Wind				
anchor tension, F1ZCn	821 plf	1085 plf	1548 plf	2090 plf
compression, F2ZCn	1575 plf	2089 plf	2802 plf	3613 plf
shear, F3ZCn	2670 plf	3528 plf	5035 plf	6799 plf
Type anchor, Hilti	Kwik Bolt 3	Kwik Bolt 3	Kwik Bolt 3	Kwik Bolt 3
Diameter	¾ "	¾ "	¾ "	¾ "
Embedment	6 ½ "	6 ½ "	6 ½ "	6 ½ "
Spacing	14 " o.c.	10 ½ " o.c.	7 " o.c.	5 ¼ " o.c.

DOOR OPENING WIDTH	SLIP each end in	ANCHORS TO CONCRETE JAMB fc = 4000 psi	FIELD WELD TO STEEL JAMB	
		Wall Angle to jamb	Channel Guide	
		Hilti Kwik Bolt 3 dia. x embedment x spacing	Plug Weld Wall Angle to Jamb	Plug Weld Channel to Wall Angle
30' 4-1/2"	1.50	3/4" x 6-1/2" @ 5-1/4" o.c.	5/8" dia. x 3/16" @ 4-3/4" o.c.	5/8" dia. x 3/16" @ 7" o.c.
25'-0"	1.50	3/4" x 6-1/2" @ 7" o.c.	5/8" dia. x 3/16" @ 6-1/4" o.c.	5/8" dia. x 3/16" @ 9-1/4" o.c.
20'-0"	1.50	3/4" x 6-1/2" @ 10-1/2" o.c.	5/8" dia. x 3/16" @ 9" o.c.	5/8" dia. x 3/16" @ 12" o.c.
15'-0"	1.00	3/4" x 6-1/2" @ 14" o.c.	5/8" dia. x 3/16" @ 12" o.c.	5/8" dia. x 3/16" @ 14" o.c.

Approved as complying with the Florida Building Code
Date 06/10/2009
NOA# 09-0415.09
Miami Dade Product Control Division
By

3/30/09

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SHEET 3 OF 3