



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Best Rolling Doors, Inc.
9780 NW 79th 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 and accepted by Miami-Dade County RER -Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Model S10-6565 30'-4 1/2" Wide Steel Roll-up Door

APPROVAL DOCUMENT: Drawing No. 6565_2009, titled "Model S10-6565", sheets 1 through 3 of 3, last revision dated February 25, 2015, prepared by Best Rolling Door, Inc, signed and sealed by Joseph H. Dixon, Jr., P.E., on March 20, 2015, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

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.

LIMITATION: Roll-up mechanism is not part of this approval.

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 & renews NOA #12-0124.10 and consists of this page 1, evidence submitted pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
05/14/2015

NOA No. 14-1006.06
Expiration Date: 01/27/2020
Approval Date: 05/14/2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **6565_2009**, titled "Model S10-6565", sheets 1 through 3 of 3, dated 04/06/2009, prepared by Best Rolling Door, Inc, signed and sealed by Joseph H. Dixon, Jr., P.E.

B. TESTS *"Submitted under NOA # 09-1103.05"*

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 A370-05,
Along with marked-up drawings and installation diagram of Model S10-6565 Steel Garage Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL # 5589**, dated 01/13/2009, signed and sealed by Michael R. Wenzel, P.E.

C. CALCULATIONS *"Submitted under NOA # 09-1103.05"*

1. Calculations for attachment of "C" channel guide to steel or concrete jamb, dated 07/23/2009, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

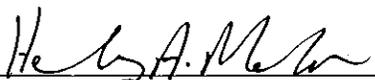
1. Notice of Acceptance No. **11-0926.07**, issued to Dyplast Products, LLC, for their Expanded Polystyrene Block Type Insulation, approved on 11/10/2011 and expiring on 01/11/17.

F. STATEMENTS

1. Statement letter of code conformance to 2010 FBC, dated 01/03/2012, signed and sealed by Joseph H. Dixon, Jr., P.E.

"Submitted under NOA # 09-1103.05"

2. Statement letter of no financial interest, dated 10/16/2009, signed and sealed by Joseph H. Dixon, Jr., P.E.



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 14-1006.06
Expiration Date: 01/27/2020
Approval Date: 05/14/2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

NEW INFORMATION SUBMITTED

A. DRAWINGS

1. *Drawing No. 6565_2009, titled "Model S10-6565", sheets 1 through 3 of 3, last revision dated February 25, 2015, prepared by Best Rolling Door, Inc, signed and sealed by Joseph H. Dixon, Jr., P.E., on March 20, 2015.*

B. TESTS

1. *None.*

C. CALCULATIONS "Submitted under NOA # 09-1103.05"

1. *Calculations for attachment of "C" channel guide to steel or concrete jamb, dated 02/15/2015, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E.*

D. QUALITY ASSURANCE

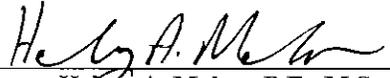
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

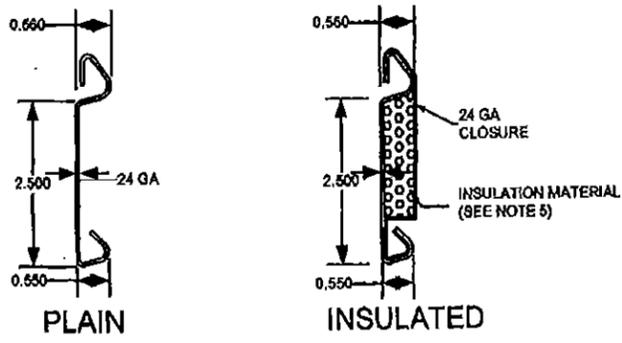
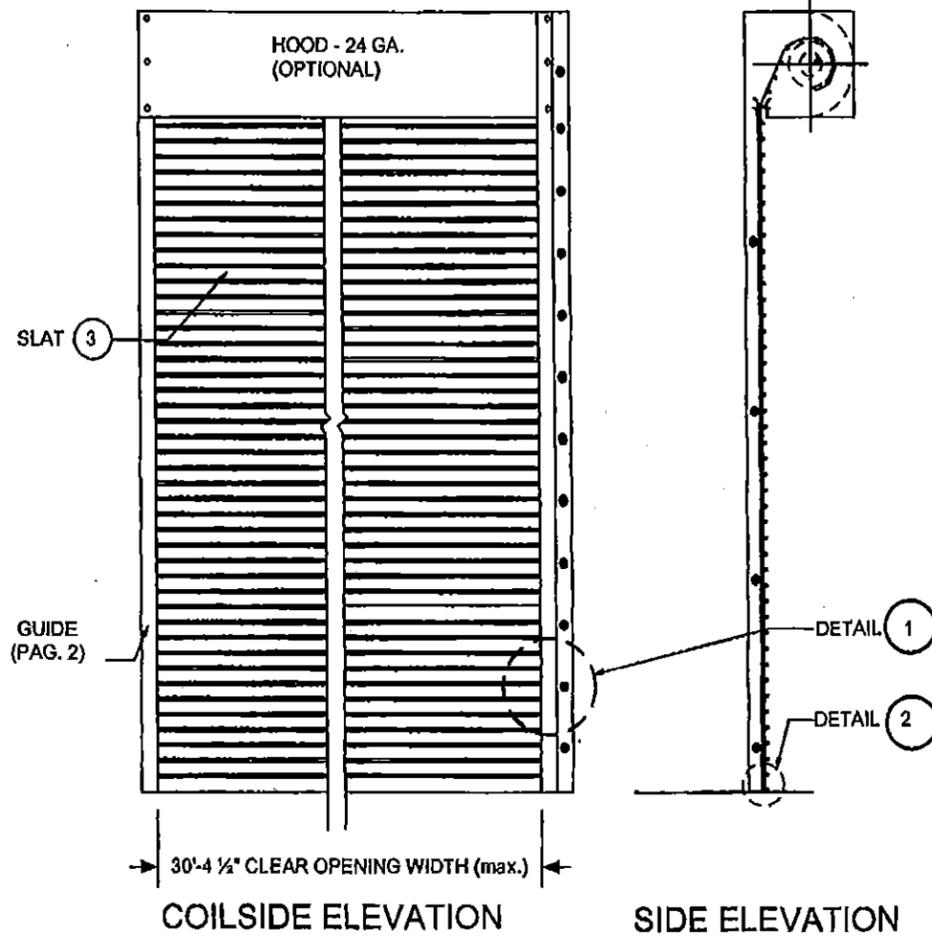
E. MATERIAL CERTIFICATIONS

1. *None.*

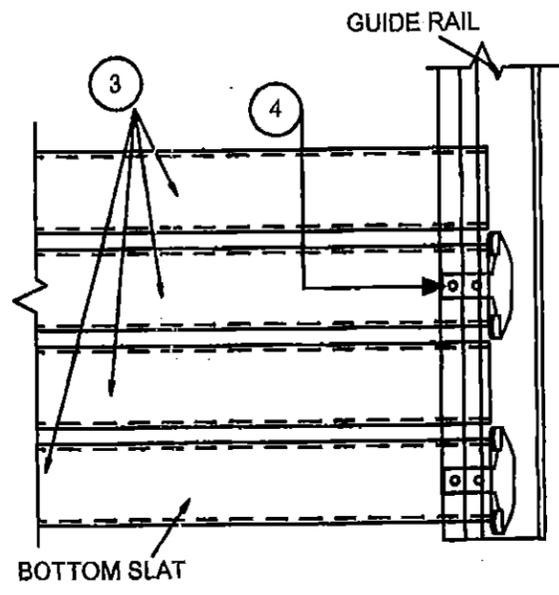
F. STATEMENTS

1. *Statement letter of code conformance to 2014 FBC, dated 03/20/2015, signed and sealed by Joseph H. Dixon, Jr., P.E.*

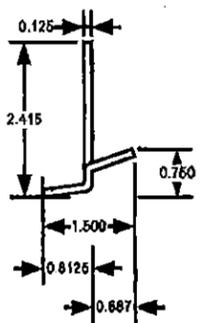
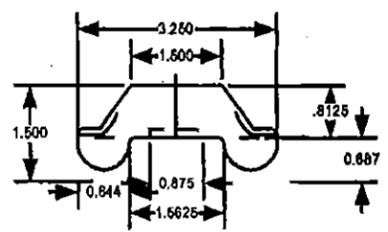
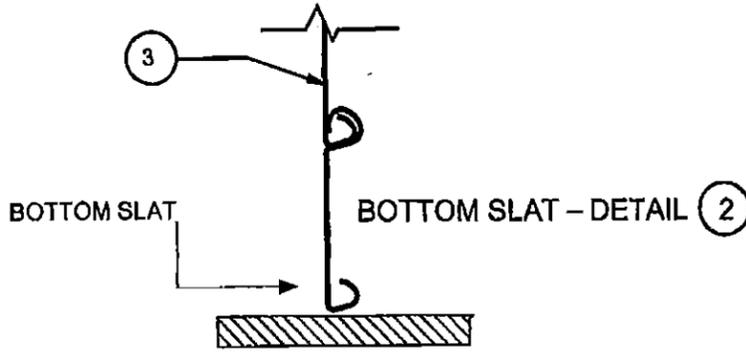

Henry A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 14-1006.06
Expiration Date: 01/27/2020
Approval Date: 05/14/2015



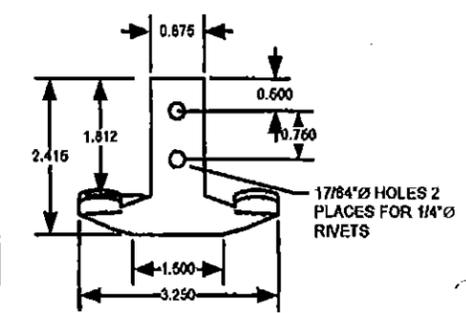
FLAT SLAT - DETAIL 3



ELEVATION - DETAIL 1



WINDLOCKS - DETAIL 4



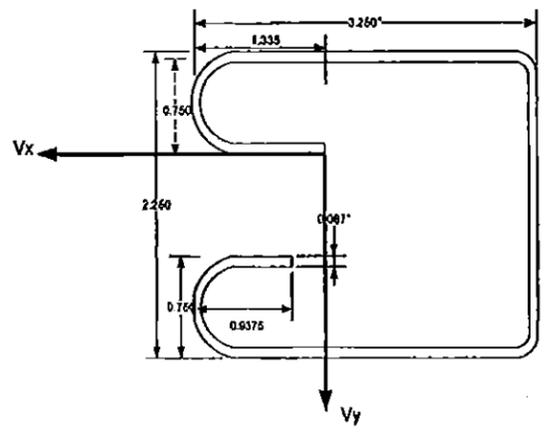
GENERAL NOTES:

1- THE ROLL-UP DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, LATEST EDITION, AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.
 THE ROLL-UP DOOR RATING FOR THE DESIGN WIND PRESURE, IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH THE TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES, TAS-201, TAS-202 & TAS-203.

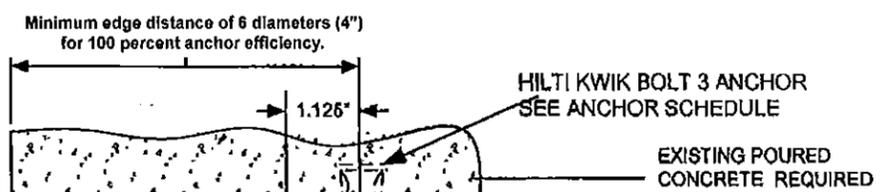
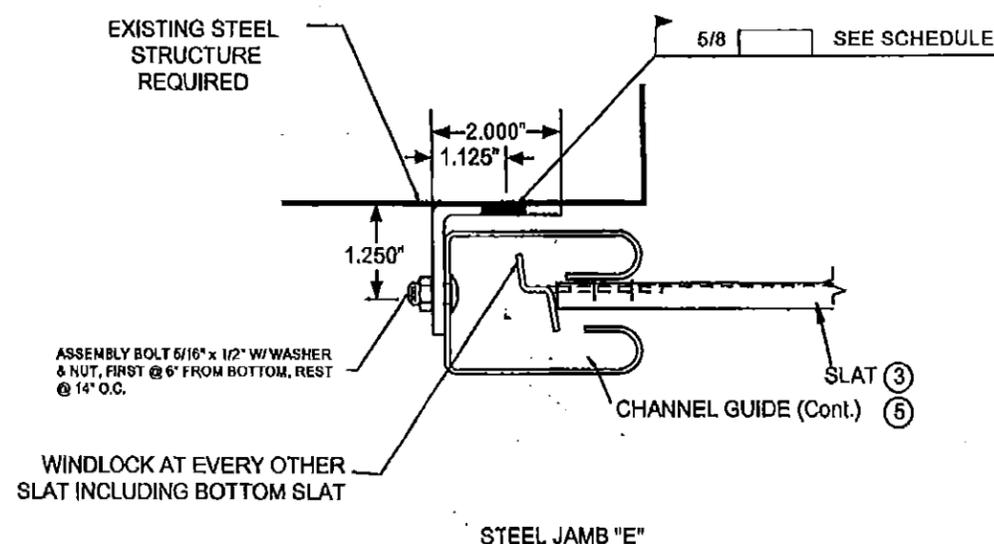
DESIGN PRESSURE RATING: +65.0, -65.0 PSF

- 2- SLAT TO BE A.S.T.M. A-653 GR 60 STRUCTURAL QUALITY STEEL WITH MIN. FY = 60 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 = 60 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 # 11-0926.07
- 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- COLD FORMED STEEL GUIDE TO HAVE MINIMUM YIELD STRENGTH OF 50 KSI.
- 9- 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.

<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 14-1006.06 Expiration Date 01/27/2020 By <i>Heidi A. Miller</i> Miami Dade Product Control</p>		<p>DADE COUNTY APPROVAL Latest Edition of Florida Building Code</p>	<p>ENG. NAME: JOSEPH H. DIXON JR. P.E. FL 7768</p>	
		<p>ROLLING STEEL DOOR 30'-4 1/2" (+65/-65 PSF)</p>	<p>Model S10-6565</p>	
<p>BEST ROLLING DOOR, INC. 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33016 PH: 305-698-3550 FAX: 305-698-3552 www.bestdoor.us</p>		<p>DRAWN BY B.D.</p>	<p>DRAWN No 6565_2009_02</p>	
		<p>REVISED: 02/25/15</p>	<p>SHEET 1 OF 3</p>	



CHANNEL GUIDE - DETAIL (5)



ANCHORAGE TO JAMB SCHEDULE, 24 GAUGE

DOOR OPENING WIDTH	SLIP each end in	ANCHORS TO CONCRETE JAMB fc = 4000 psi	FIELD WELD TO STEEL JAMB based on minimum wall angle thickness: 3/16"		WALL ANGLE THICKNESS Gr50 Fy = 50 ksi	
		Wall Angle to jamb	Channel Guide		Channel Guide	
		Hilti Kwik Bolt 3 dia. x embedment x spacing	Plug Weld Wall Angle to Jamb	Plug Weld Channel to Wall Angle	E-Guide steel jamb	Z-Guide concrete jamb
30' 4-1/2"	1.50	5/8" x 4" @ 6 1/2" o.c.	5/8" dia. x 3/16" @ 6 1/2" o.c.	5/8" dia. x 3/16" @ 10" o.c.	3/8"	3/8"
25'-0"	1.50	5/8" x 4" @ 9 1/2" o.c.	5/8" dia. x 3/16" @ 8" o.c.	5/8" dia. x 3/16" @ 12" o.c.	5/16"	5/16"
20'-0"	1.50	5/8" x 4" @ 13 1/2" o.c.	5/8" dia. x 3/16" @ 12" o.c.	5/8" dia. x 3/16" @ 14" o.c.	1/4"	1/4"
16'-0"	1.00	5/8" x 4" @ 16" o.c.	5/8" dia. x 3/16" @ 14" o.c.	5/8" dia. x 3/16" @ 14" o.c.	1/4"	1/4"
14'-0"	0.75	5/8" x 4" @ 16" o.c.	5/8" dia. x 3/16" @ 14" o.c.	5/8" dia. x 3/16" @ 14" o.c.	3/16"	3/16"
12'-0"	0.50	5/8" x 4" @ 16" o.c.	5/8" dia. x 3/16" @ 14" o.c.	5/8" dia. x 3/16" @ 14" o.c.	3/16"	3/16"
8'-0"	0.25	5/8" x 4" @ 16" o.c.	5/8" dia. x 3/16" @ 14" o.c.	5/8" dia. x 3/16" @ 14" o.c.	3/16"	3/16"
4'-0"	0.50	5/8" x 4" @ 16" o.c.	5/8" dia. x 3/16" @ 14" o.c.	5/8" dia. x 3/16" @ 14" o.c.	3/16"	3/16"

1. Refer to Fenestration Testing Laboratory Lab No. 5589, report date 01/13/09, for Model S10-6565, 18 gage, 30' 4-1/2" opening width, design pressure +/- 65 psf
2. Doors manufactured by Best Rolling Doors, Hialeah Gardens, Florida
3. Calculations by Joseph H. Dixon, Jr. P.E. dated 02/15/15, 02/16/15, 02/17/15, 02/18/15 and 02/19/15

GENERAL NOTES:

- 1- THE ASSEMBLY FOR THE TRACK CAN BE BOLTED ON BOTH APPLICATIONS "Z" TRACK AND IN "E" TRACK.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 14-1006-06 Expiration Date 01/27/2020 By <i>Joseph H. Dixon, Jr.</i> Midori Data Product Control		DADE COUNTY APPROVAL Latest Edition of Florida Building Code ROLLING STEEL DOOR 30'-4 1/2" (+65/-65 PSF)	ENG. NAME: JOSEPH H. DIXON JR. P.E. FL 7768	
		BEST ROLLING DOOR, INC. 9780 N.W. 79th AVENUE HIALEAH GARDENS, FLORIDA 33016 PH: 305-698-3550 FAX: 305-698-3552 www.bestdoor.us	DRAWN BY B.D. REVISED: 02/26/15	Model S10-6565 DRAWN No 6565_2009_02 SHEET 2 OF 3

SUMMARY OF ANCHORAGE CALCULATIONS

	Best Rolling Doors				
	24 gage slat, 0.0239"				
	Design Wind Load +/- 65 psf				
	12'-0" wide	16'-0" wide	20'-0" wide	25'-0" wide	30'-4 1/2" wide
Slip	0.500 in	1.00 in	1.50 in	1.50 in	1.50 in
Catenary Force					
Positive Wind, P1pf	1693 plf	2002 plf	2374 plf	3367 plf	4525 plf
Negative Wind, P1nf	1693 plf	2002 plf	2374 plf	3367 plf	4525 plf
Vx and Vy Forces					
Positive Wind, Vx	1659 plf	1943 plf	2290 plf	3271 plf	4418 plf
Negative Wind, Vx	1659 plf	1943 plf	2290 plf	3271 plf	4418 plf
Positive Wind, Vy	393 plf	523 plf	653 plf	815 plf	990 plf
Negative Wind, Vy	393 plf	523 plf	653 plf	815 plf	990 plf
C-Guide, welded					
Electrode type	E70xx	E70xx	E70xx	E70xx	E70xx
A. Weld, guide to wall angle, Outstanding leg only					
Hole diameter	5/8"	5/8"	5/8"	5/8"	5/8"
Weld type	plug	plug	plug	plug	plug
Weld thickness, minimum	3/16"	3/16"	3/16"	3/16"	3/16"
Spacing	14" o.c.	14" o.c.	14" o.c.	14" o.c.	10" o.c.
B. Weld, wall angle to jamb					
Hole diameter	5/8"	5/8"	5/8"	5/8"	5/8"
Weld type	Plug	plug	plug	plug	plug
Weld thickness, minimum	3/16"	3/16"	3/16"	3/16"	3/16"
Spacing	14" o.c.	14" o.c.	12" o.c.	8" o.c.	6 1/2" o.c.
C-Guide, concrete anchors					
Concrete strength, fc	4000 psi	4000 psi	4000 psi	4000 psi	4000 psi
Positive Wind					
anchor tension, F1ZCp	467 plf	547 plf	691 plf	920 plf	1243 plf
compression, F2ZCp	74 plf	24 plf	38 plf	105 plf	253 plf
shear, F3ZCp	1659 plf	1943 plf	2290 plf	3271 plf	4418 plf
Negative Wind					
anchor tension, F1ZCn	638 plf	747 plf	880 plf	1257 plf	1698 plf
compression, F2ZCn	1030 plf	1269 plf	1533 plf	2072 plf	2688 plf
shear, F3ZCn	1659 plf	1943 plf	2290 plf	3271 plf	4418 plf
Type anchor, Hilti	Kwik Bolt 3	Kwik Bolt 3	Kwik Bolt 3	Kwik Bolt 3	Kwik Bolt 3
Diameter	5/8"	5/8"	5/8"	5/8"	5/8"
Embedment	4"	4"	4"	4"	4"
Spacing	16"	16" o.c.	13 1/2" o.c.	9 1/2" o.c.	6 1/2" o.c.

Vx and Vy FORCES FOR VARIOUS DESIGN WIND LOADS
24 gage slat (0.0239")

Design Wind Load (psf)	Opening Width	Design Slip (in.)	Vx (lb/ft)	Vy (lb/ft)
+50 / -50	12'-0"	1/2	1213	302
	16'-0"	1	1459	402
	20'-0"	1 1/2	1739	502
	25'-0"	1 1/2	2501	627
	30'-4 1/2"	1 1/2	3389	761
+55 / -55	12'-0"	1/2	1362	332
	16'-0"	1	1620	442
	20'-0"	1 1/2	1923	552
	25'-0"	1 1/2	2758	690
	30'-4 1/2"	1 1/2	3732	838
+60 / -60	12'-0"	1/2	1510	362
	16'-0"	1	1782	483
	20'-0"	1 1/2	2106	603
	25'-0"	1 1/2	3014	752
	30'-4 1/2"	1 1/2	4075	914
+65 / -65	12'-0"	1/2	1659	393
	16'-0"	1	1943	523
	20'-0"	1 1/2	2290	653
	25'-0"	1 1/2	3271	815
	30'-4 1/2"	1 1/2	4418	990

<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No 14-1006.06 Expiration Date 01/27/2020 By <i>[Signature]</i> Miami Dade Product Control</p>		<p>DADE COUNTY APPROVAL Latest Edition of Florida Building Code</p>		<p>ENG. NAME: JOSEPH H. DIXON JR. P.E. FL 7768</p>	
		<p>ROLLING STEEL DOOR 30'-4 1/2" (+65/-65 PSF)</p>		<p>Model S10-6565</p>	
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