Florida Department of Community Affairs

FL #	FL10706
Model Name	S-10-100/100
Code Version	2007
Application Status	Approved
Product Manufacturer	Best Rolling Door, Inc
Address/Phone/Email	9780 nw 79th Avenue Hialeah Gardens, FL 33016 (305) 698-3550 / best-doors@hotmail.com
Technical Representative	Santiago Suarez
Category	Exterior Doors
Subcategory	Roll-Up Exterior Door Assemblies
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
Testing Lab	Fenestration Testing Lab
Quality Assurance Entity	PFS Corporation
Validated By	Gordon Thomas, P.E.
Product Approval Method	Method 1 Option B
Date Approved	12/10/2008
Referenced Standard and Year (of Standard)	FBC Test Protocol TAS 201 ,TAS 202, TAS,203 –1994
Approved for use in HVHZ:	Yes
Approved for use outside HVHZ:	Yes
Impact Resistant:	Yes
Design Pressure:	+100 / -100 psf

STATE OF FLORIDA

DEPARTMENT OF COMMUNITY AFFAIRS

"Dedicated to making Florida a better place to call home"

JEB BUSH
Governor

THADDEUS L. COHEN, AIA
Secretary

MEMORANDUM

Florida Building Commission
Raul L. Rodriguez, AIA, Chairman

Date: December 6, 2006

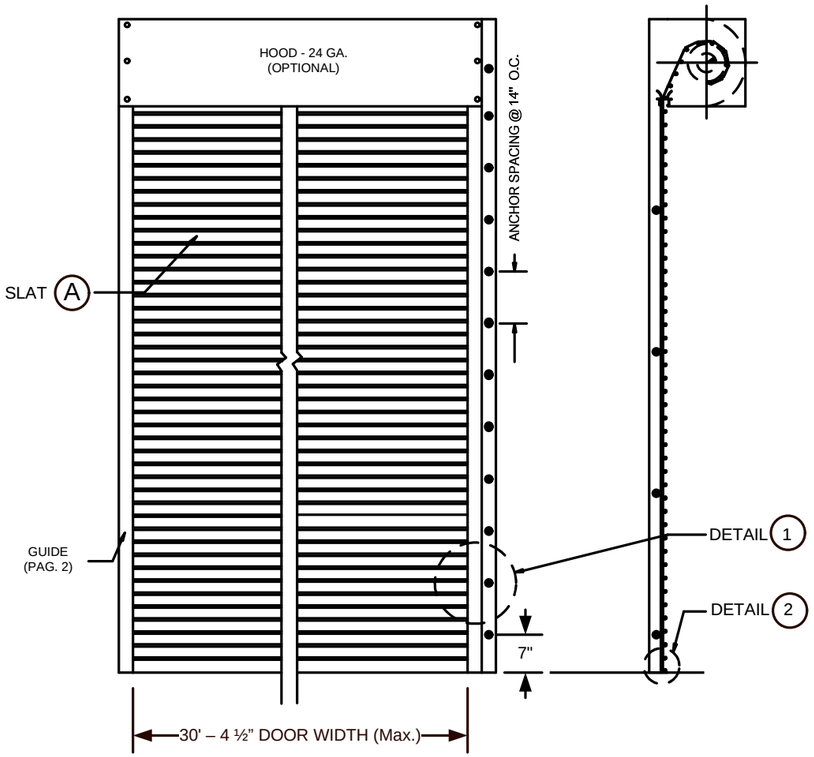
Re: Demonstration of Product Compliance for the High Velocity Hurricane Zone and Other Areas Accepting "NOA's"

Florida Statutes, section 553.842, govern local and state approval of building products directly related to the structural wind resistance of buildings. The law establishes specific methods for manufacturers to demonstrate compliance with the Florida Building Code but gives the manufacturer the option of obtaining either local or state approval. State approved products must be accepted by local jurisdictions within the limitations of use established by the state approval without requirement for further testing, evaluation or submission of evidence. (Florida Statute, section 553.842(4) Products or methods or systems of construction requiring approval under s. 553.77 must be approved by one of the methods established in subsection (5) before their use in construction in this state. Products may be approved by the commission for statewide use. Notwithstanding a local government's authority to amend the Florida Building Code as provided in this act, statewide approval shall preclude local jurisdictions from requiring further testing, evaluation, or submission of other evidence as a condition of using the product so long as the product is being used consistent with the conditions of its approval.) When a product is state approved the local jurisdiction's authority extends only to determining the product is being used within the conditions established by the approval.

State approval of products for use in the High Velocity Hurricane Zone (HVHZ) is commonly but not always based on a Miami-Dade Notice of Acceptance" (NOA). The law guarantees manufacturers other means of demonstrating compliance with HVHZ requirements so long as their products are tested or evaluated using the standards that apply in the HVHZ. The Miami-Dade Code Compliance Office reviews applications for state approval of HVHZ products and advise the Florida Building Commission on their compliance with HVHZ standards. Compliance can be determined by accessing the state approval online using the state approval number then checking the standards products were tested to and the "limitations of use" documentation.

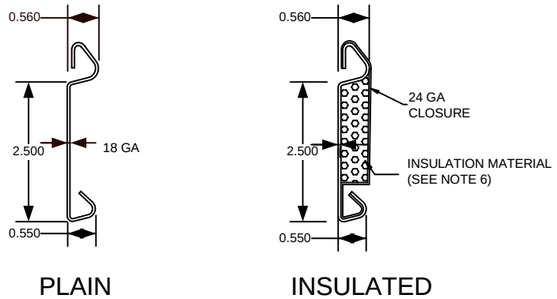
Approval by the State or Miami-Dade County allows acceptance of a product for use within the HVHZ. However, the building permitting authority must determine whether products comply with the requirements of the Code specific to the building they are used in. The State or Miami-Dade approvals provide the information required for this determination. Further testing or engineering evaluation cannot be required unless the permit applicant wishes to demonstrate the product can be used outside of the approved limitations of use.

2555 SHUMARD OAK BOULEVARD TALLAHASSEE, FLORIDA 32399-2100
Phone: 850.488.8466/Suncom 278.8466 FAX: 850.921.0781/Suncom 291.0781
Internet address: http://www.dca.state.fl.us

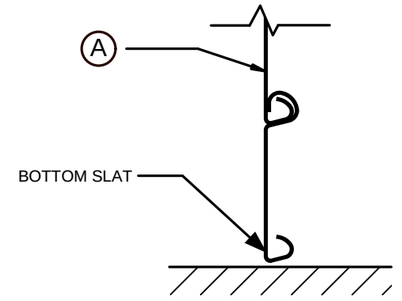


COILSIDE ELEVATION

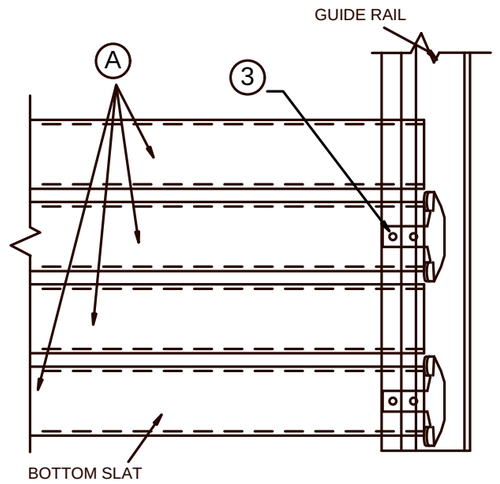
VERTICAL DETAIL



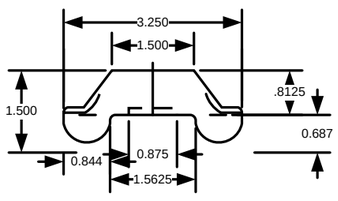
SLAT –DETAIL A

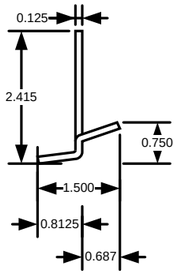


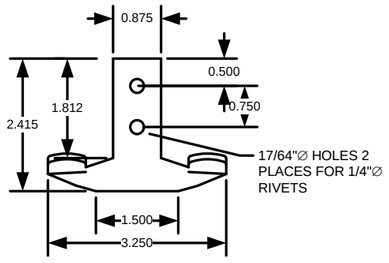
BOTTOM SLAT –DETAIL 2



ELEVATION –DETAIL 1







WINDLOCKS - DETAIL 3

FENESTRATION TESTING LAB, INC

LAB # 5370

DATE: 3/7/08

DRAWING VERIFIED BY: JMR

JOSEPH H. DIXON, JR. P.E. FLORIDA PROFESSIONAL ENGINEER

2007 FLORIDA BUILDING CODE

FL# 10706.1

High Velocity Hurricane Zone

BEST ROLLING DOORS, 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.

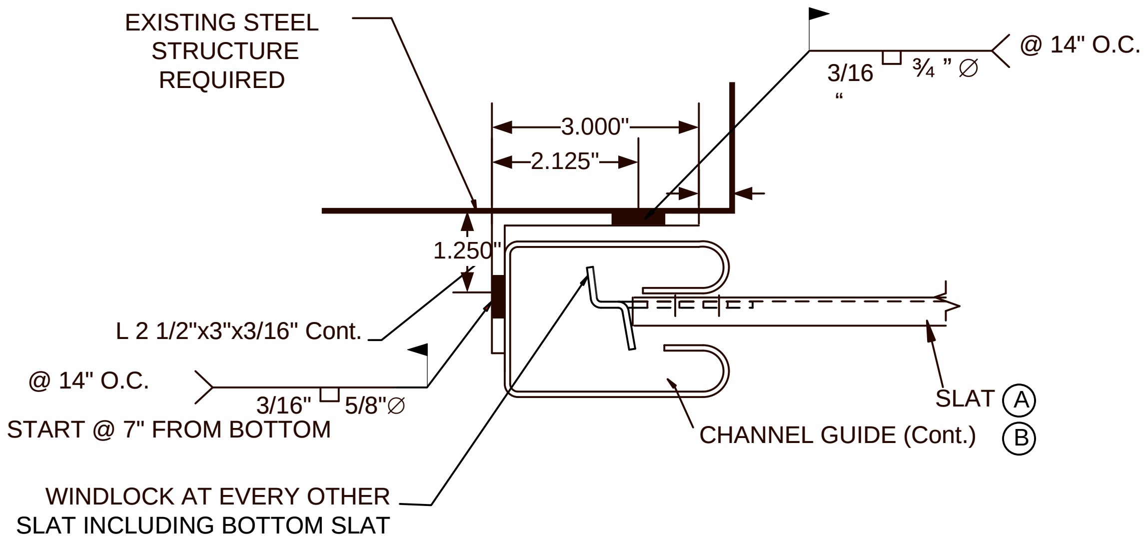
DATE
01/16/08

DRAWN No
BEST01_0108

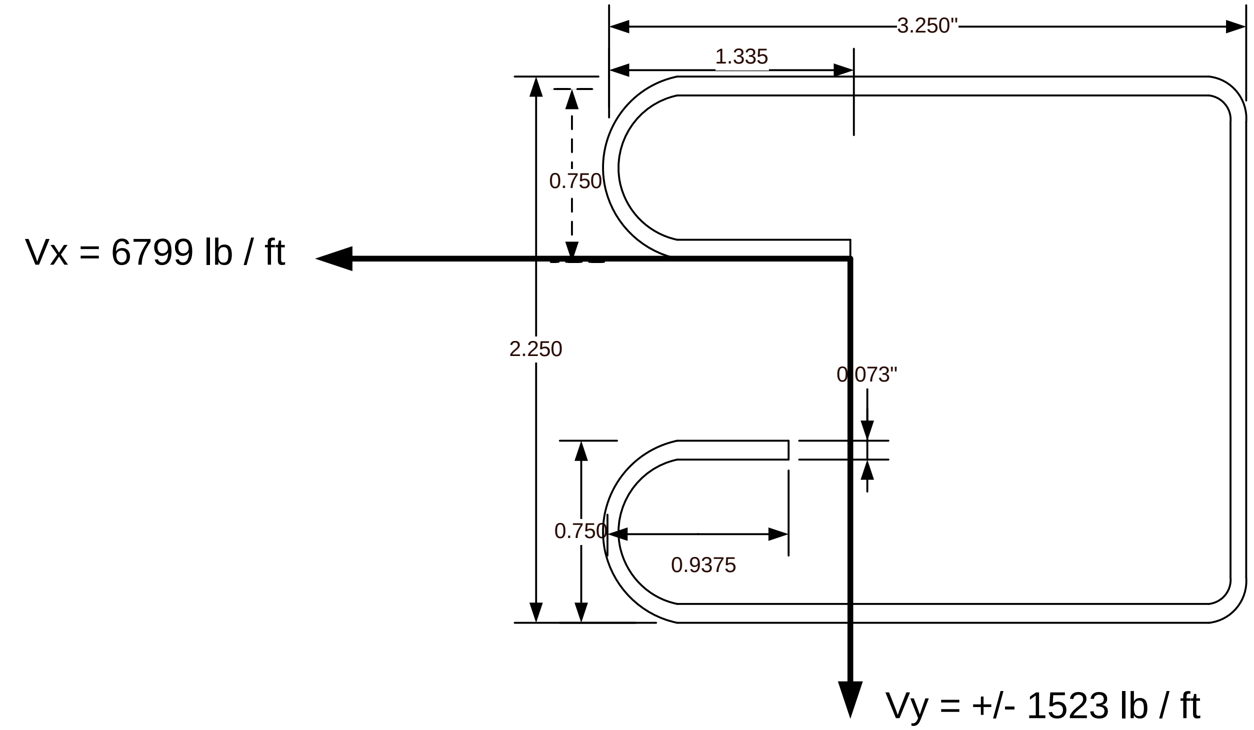
Model S10-100

	REV. No	DESCRIPTION	DATE
1			
2			

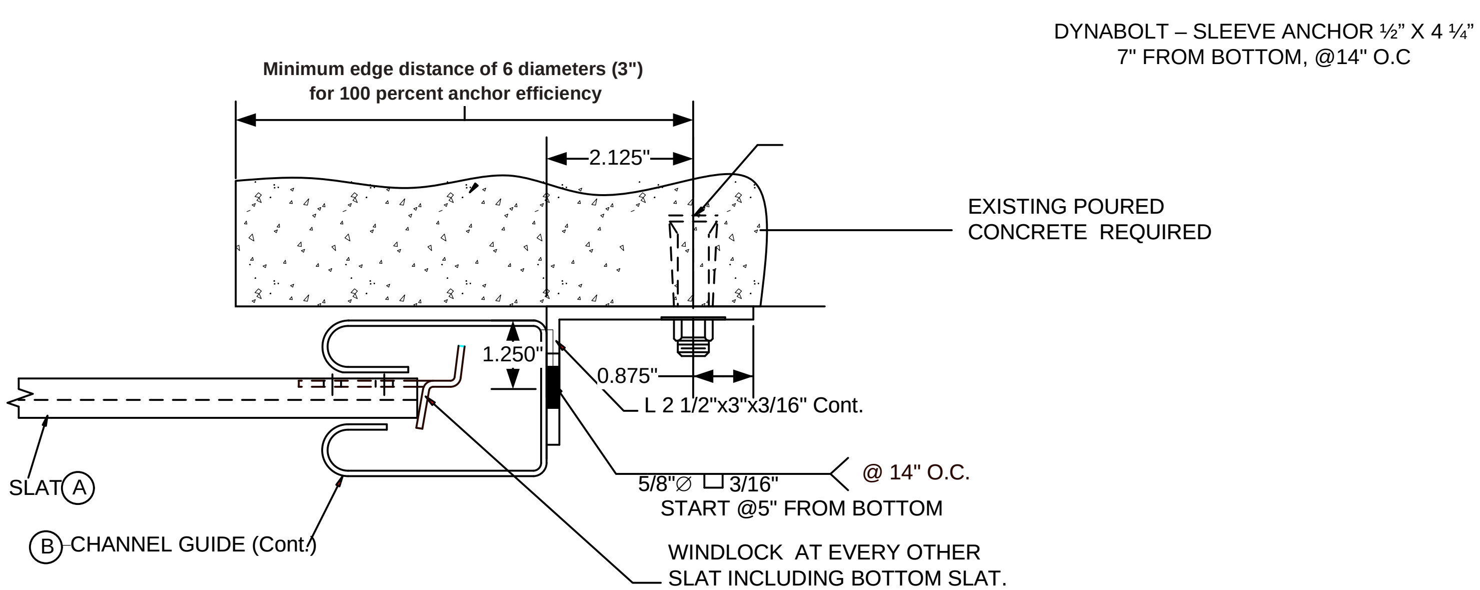
SHEET 1



STEEL JAMB "E"



CHANNEL GUIDE –DETAIL B



MASONRY JAMB "Z"

FENESTRATION TESTING LAB, INC

LAB # 5370

DATE: 3/7/08

DRAWING VERIFIED BY: [signature]

2007 FLORIDA BUILDING CODE *FL# 10706.1* *High Velocity Hurricane Zone*	**BEST ROLLING DOORS, 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. DATE 01/16/08 DRAWN No BEST01_0108
Model S10-100		*REV. No*	*DESCRIPTION*	*DATE*
	1			SHEET 2
	2			

WINGERTER LABORATORIES, INC.

Engineering Testing_Inspection Services
1820 NE 144th Street, North Miami, FL 33181
TELEPHONE: 305-944-3401 FACSIMILE: 305-949-8698

CONCRETE TEST CORES

CLIENT: Best Rolling Doors
CONTRACTOR: Best Rolling Doors
PROJECT: Quality Control 2006
LOCATION:

REPORT NO.: 1
ORDER NO.: 06-1511
P.O.:
PERMIT NO.:

RESULTS OF TESTS:

Laboratory Number:	78704	78705	78706
Sample Number:	1	2	3
Specified Strength in 28 Days:	5,000	5,000	5,000
Location:			
Condition of Core:	Good	Good	Good
Direction of Load with Respect to Horizontal Plane of Concrete Placed:	1	1	1
Core Length, as received: (Inches)	7.75	7.75	7.75
Core Length, as capped: (Inches)	5.50	5.50	5.50
Core Diameter: (Inches)	2.750	2.750	2.750
Core Area: (Sq. Inches)	5.94	5.94	5.94
Nominal Maximum Size of Aggregate (In):			
Date Poured:			
Date Drilled:	12-12-06	12-12-06	12-12-06
Date Tested:	12-14-06	02-14-07	12-14-06
Age of Core:			
Curing Days:	2	64	2
Curing Method:	Air	Air	Air
Total Load: (lbs.)	25,620	27,590	26,050
Compressive Strength (PSI):	4,310	4,640	4,390
Length ---------- Ratio:			
Diameter	2.00:1	2.00:1	2.00:1
L/D Correction Factor:	1.00	1.00	1.00
Corrected Compressive Strength: (PSI)	**4,310**	**4,640**	**4,390**
Type of Fracture:	Shear	Shear	Shear

Remarks:

All samples were cut with a diamond bladed saw before being capped. Tests were performed in accordance with ASTM Designation C-42-84a Standard Method of Securing, Preparing and Testing Specimens from Hardened Concrete for Compressive Strengths.
Load Direction: 1-Load Applied Perpendicular to Horizontal Plane as Placed 2-Load Applied Parallel to Horizontal Plane as Placed

Respectfully submitted,
WINGERTER LABORATORIES, INC.

12-19-06

Robert H. Schuler, P.E., P.G.
Florida License No. 34715

DRILLER: Luis Rodriguez
TESTED BY: Luis Rodriguez

GENERAL NOTES:

1.THE ROLL-UP DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2007 FLORIDA BUILDING CODE. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED IN ACCORDANCE WITH SECTIONS 1620 AND 1609 OF THE CODE.
THE ROLL-UP DOOR'S ADEQUACY FOR WIND PRESSURE, IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH THE 2007 FBC TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES, TAS 201, TAS 202, AND TAS 203.

DESIGN PRESSURE RATING: +100.0 / -100.0 PSF

2.SLAT MATERIAL TO BE ASTM A653 STRUCTURAL STEEL, GRADE 50, MINIMUM YIELD STRENGTH OF 50 KSI., WITH GALVANIZED COATING G90
OR TYPE 304 SERIES STAINLESS STEEL HAVING A MINIMUM YIELD STRENGTH OF 50 KSI.

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

4- ALL ASSEMBLY BOLTS TO BE S.A.E. GRADE 2 CADMIUM PLATED OR GALVANIZED STEEL.

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

6- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION MANUFACTURED BY DYPLAST PRODUCTS LLC COMPANY, DADE COUNTY NOTICE OF ACCEPTANCE # 06-1011.05.

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

8- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THE PRODUCT APPROVAL DOCUMENT. THE CONTRACTOR SHALL ENSURE THAT THE JAMBS ARE DESIGNED TO SUPPORT THE FORCES RESULTING FROM THE WIND LOADS APPLIED TO THE GUIDES AS INDICATED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT THE SITE IS THE CONTRACTOR'S RESPONSIBILITY

JOSEPH H. LIXON LICENSE NO. 77410/08 FL 7768 STATE OF FLORIDA PROFESSIONAL ENGINEER

BOLT SCHEDULE	
WALL ATTACHMENT CONCRETE JAMB FOR Min. f'c = 4000 psi	WALL ATTACHMENT STEEL JAMB
DYNABOLT – SLEEVE ANCHOR ½" X 4 ¼" 7" FROM BOTTOM, @14" O.C	3/16" X ¾ " ∅ @ 14"

2007 FLORIDA BUILDING CODE

FL# 10706.1
High Velocity Hurricane Zone

Model S10-100

BEST ROLLING DOORS, 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.
DATE 01/16/08
DRAWN No BEST01_0108

	REV. No	DESCRIPTION	DATE
1			
2			

SHEET 3