FLORIDA DEPARTMENT OF Community Affairs

Product Approval

Product Approval Menu > Manage Applications > **Application Detail**

FL #	FL7760
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	
Product Manufacturer	Best Rolling Doors,Inc
Address/Phone/Email	9780 nw 79th Avenue Hialeah Gardens, FL 33016 (305) 698-3550 miami@bestdoor.us
Authorized Signature	santiago suarez miami@bestdoor.us
Technical Representative	Santiago Suarez
Address/Phone/Email	9780 NW 79 th Ave Hialeah Gardens, FL 33016 (305) 689-3550 best@bdoors.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Exterior Doors
Subcategory	Roll-Up Exterior Door Assemblies
Compliance Method	Test Report
Testing Lab	Fenestration Testing Lab
Quality Assurance Entity	PFS Corporation
Validated By	Walter T. Holz, Jr.
Certificate of Independence	FL7760_R0_COI_Certificate_of_Independence_ftl_6065.pdf

Referenced Standard and Year (of Standard)

Standard	Year
ASCE 7	2002
ASTM E330	2002
FBC Test Protocol TAS 201	1994
FBC Test Protocol TAS 202	1994
FBC Test Protocol TAS 203	1994

Product Approval Method	Method 1 Option B
Date Submitted	11/03/2006
Date Validated	12/29/2006
Date Pending FBC Approval	11/24/2006
Date Approved	01/01/2007

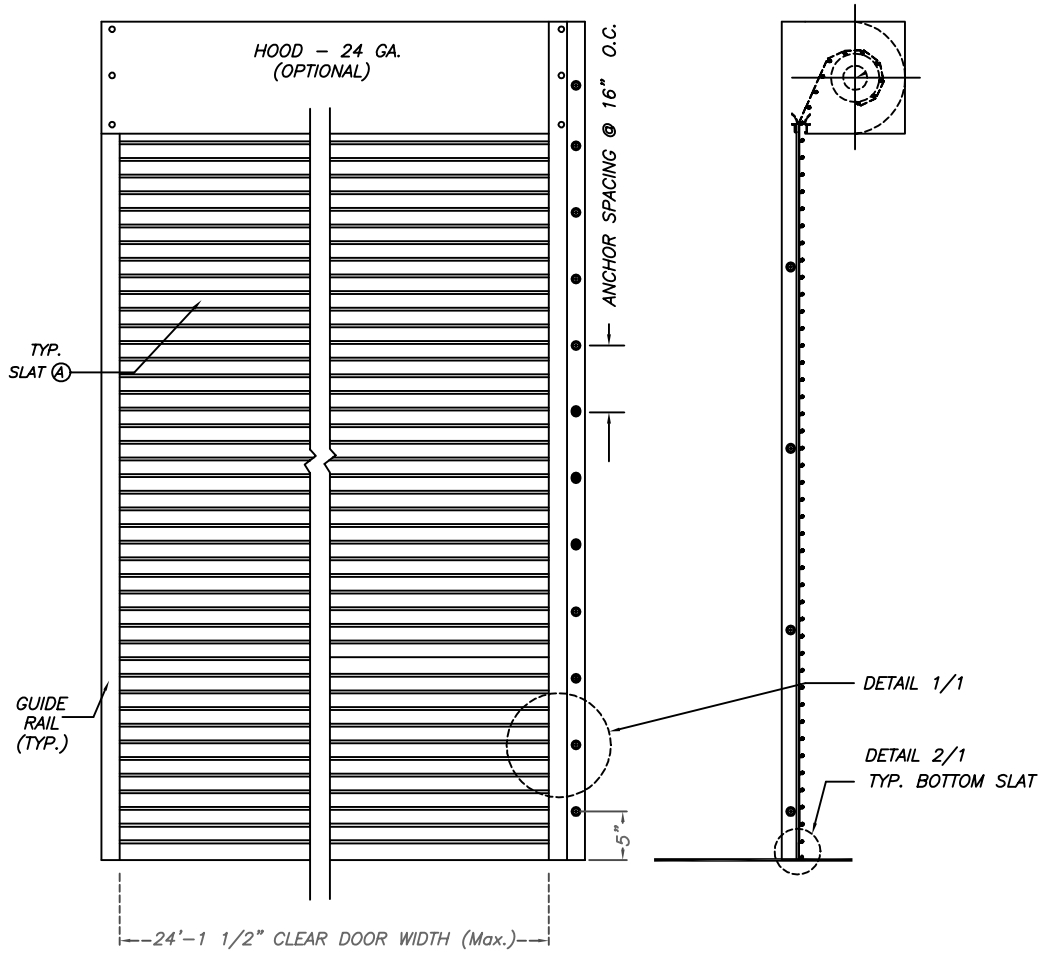
Summary of Products

FL #	Model, Number or Name	Description
7760.1	S-10-6065	60/65 psf Roll-up Door

Limits of Use
Approved for use in HVHZ: Yes
Approved for use outside HVHZ: Yes
Impact Resistant: Yes
Design Pressure: +60 /-65
Other: Service / Thermal Door up to 24',1 1/2"

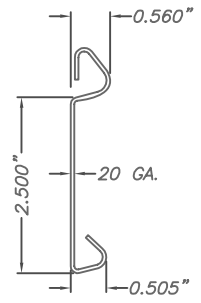
Installation Instructions
FL7760_R0_II_26040 Drawing_ftl_6065.pdf
FL7760_R0_II_Installation_Instructions_6065.pdf
Verified By: Joseph H. Dixon, Jr. P.E. PE-7768

Test Reports
FL7760_R0_TR_26040 Drawing_ftl_6065.pdf
FL7760_R0_TR_Test_Report_6065.pdf



COILSIDE ELEVATION

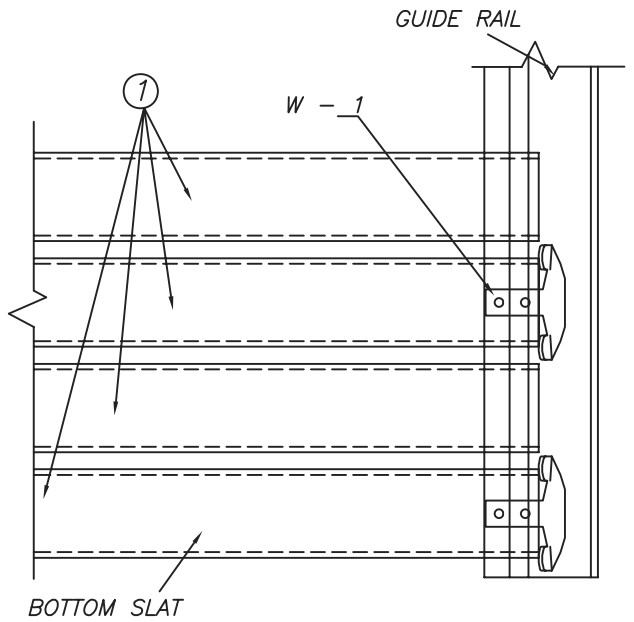
VERTICAL DETAIL



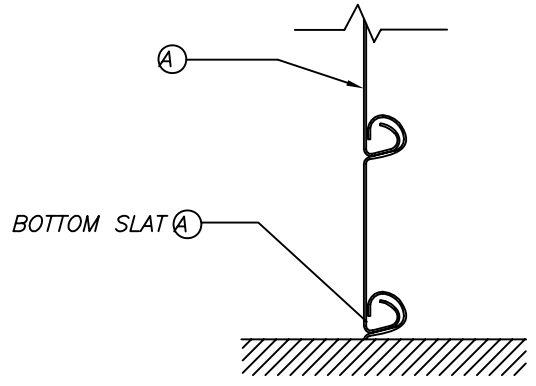
PLAIN

(A) FLAT SLAT

SCALE : 1/2" = 1"



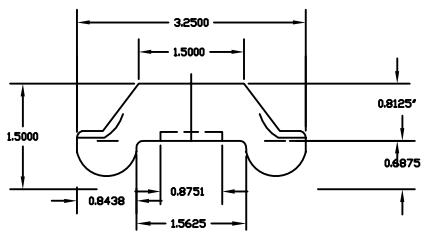
DETAIL 1 (elevation)

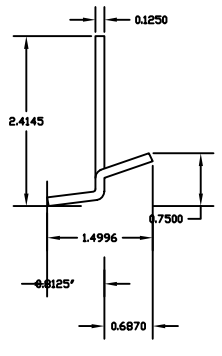


BOTTOM SLAT

DETAIL 2

SCALE : 1/2" = 1"

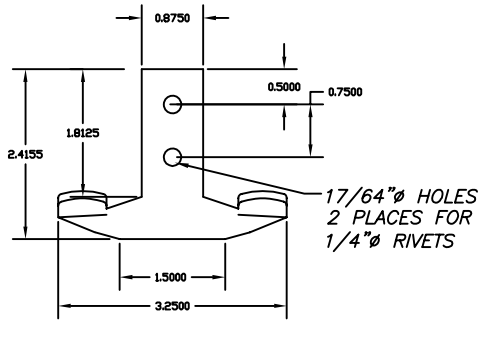




WINDLOCKS

DETAIL 3

SCALE : 1/2" = 1"



12/22/06
FL 7768

FENESTRATION TESTING LAB, INC

LAB # 4845

DATE: 12-22-06

DRAWING VERIFIED BY: mp

2004 FLORIDA BUILDING CODE
with the 2006 supplement

FL# 7760

High Velocity Hurricane Zone

Model S10-6065

BEST ROLLING DOORS, INC.

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

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1			
2			

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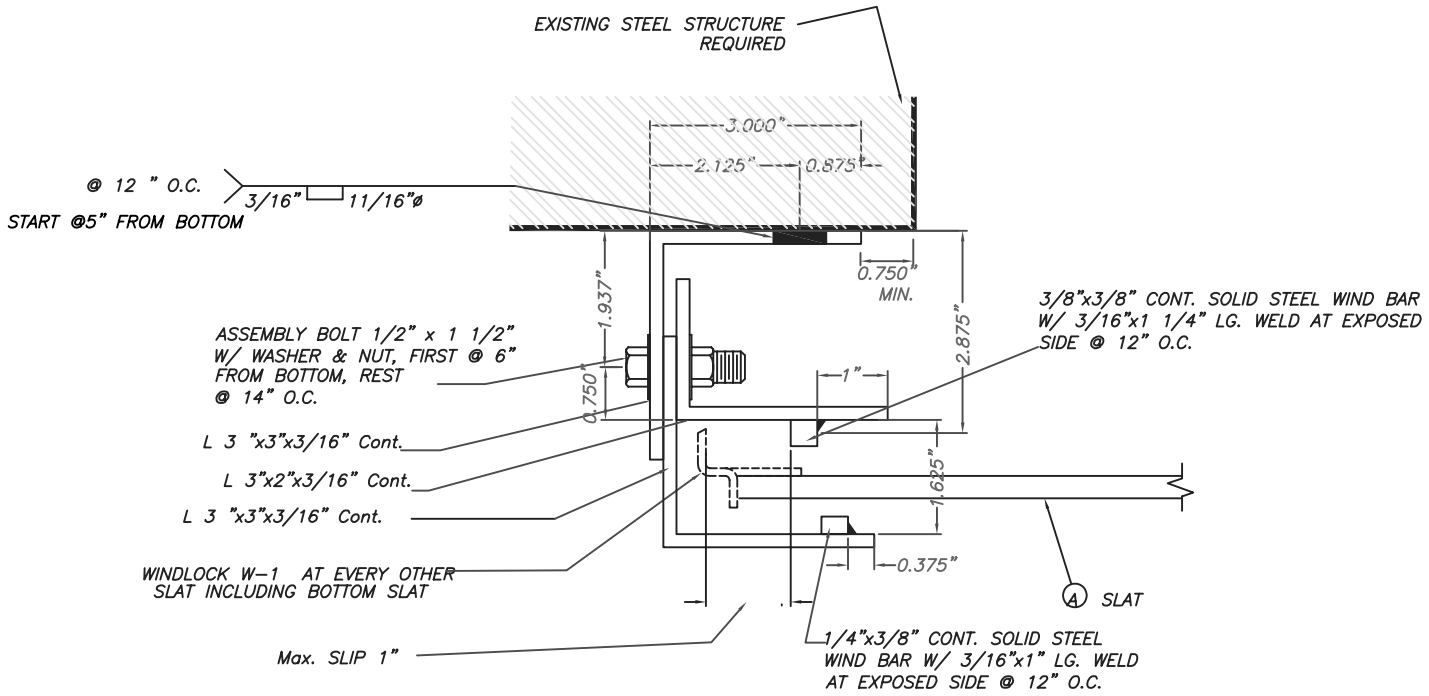
A.R.

09/21/06
DATE

DRAWING No
BEST01_0906

SHEET 1



STEEL JAMB "E"

SCALE : 3/8" = 1"

SAMPLES A-1, A-2 & A-3

FENESTRATION TESTING LAB, INC

LAB# 4845

DATE: 12-22-06

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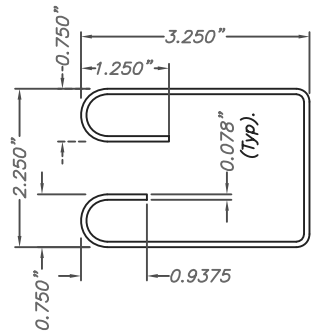
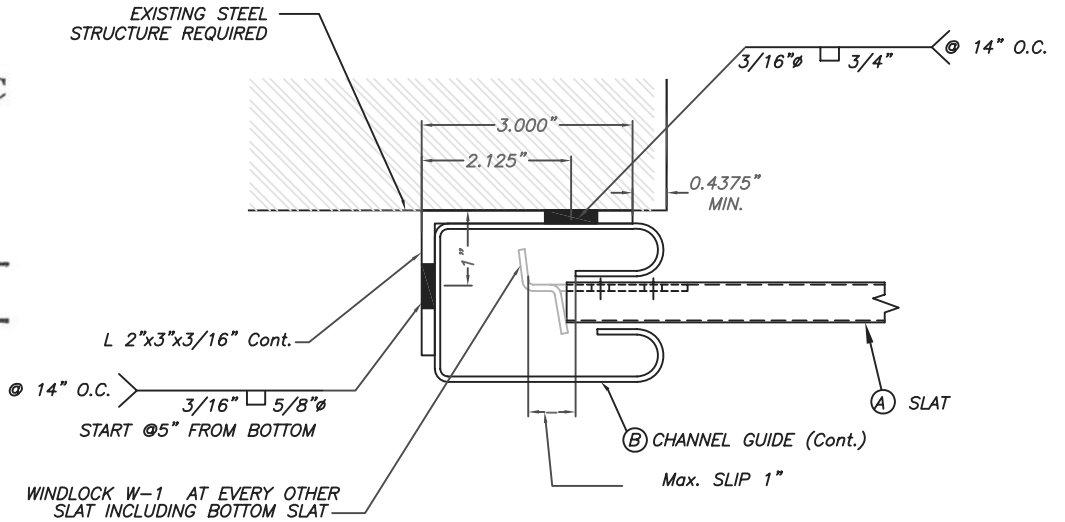


(B) CHANNEL GUIDE

SCALE : 1/2" = 1"

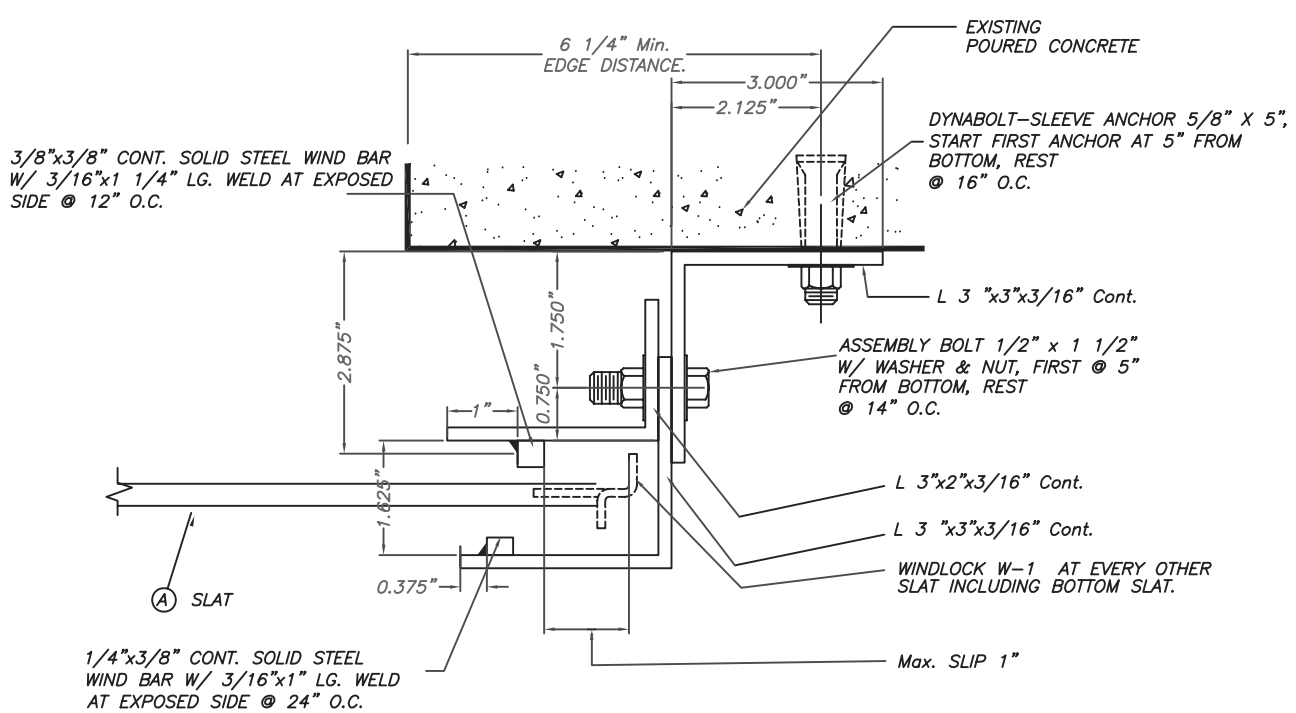
UNIT A-4, A-5 & A-6



STEEL JAMB "E"

SCALE : 3/8" = 1"

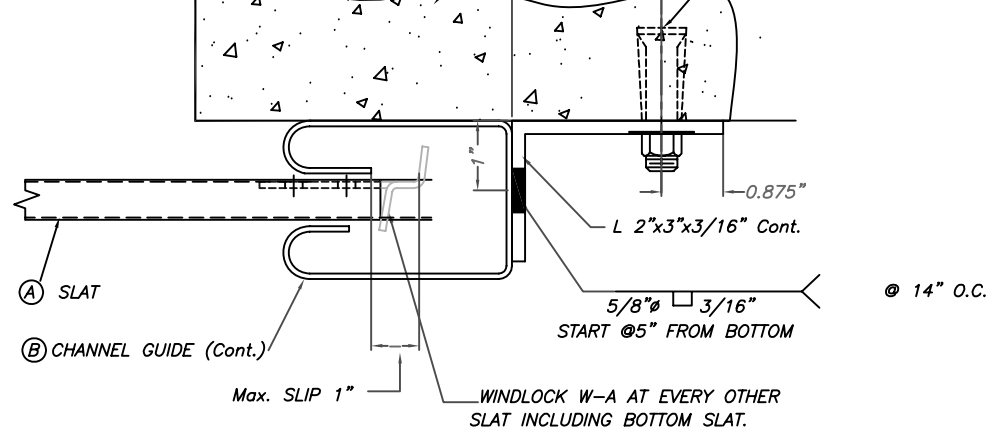
SAMPLES A-4, A-5 & A-6



MASONRY JAMB "Z"

SCALE : 3/8" = 1"

12/22/06
FL 7768



MASONRY JAMB "Z"

SCALE : 3/8" = 1"

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A.R.

09/21/06
DATE

DRAWING No
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SHEET 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	REPORT NO.:	1
CONTRACTOR:	Best Rolling Doors	ORDER NO.:	06-1511
PROJECT:	Quality Control 2006	P.O.:	
LOCATION:		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

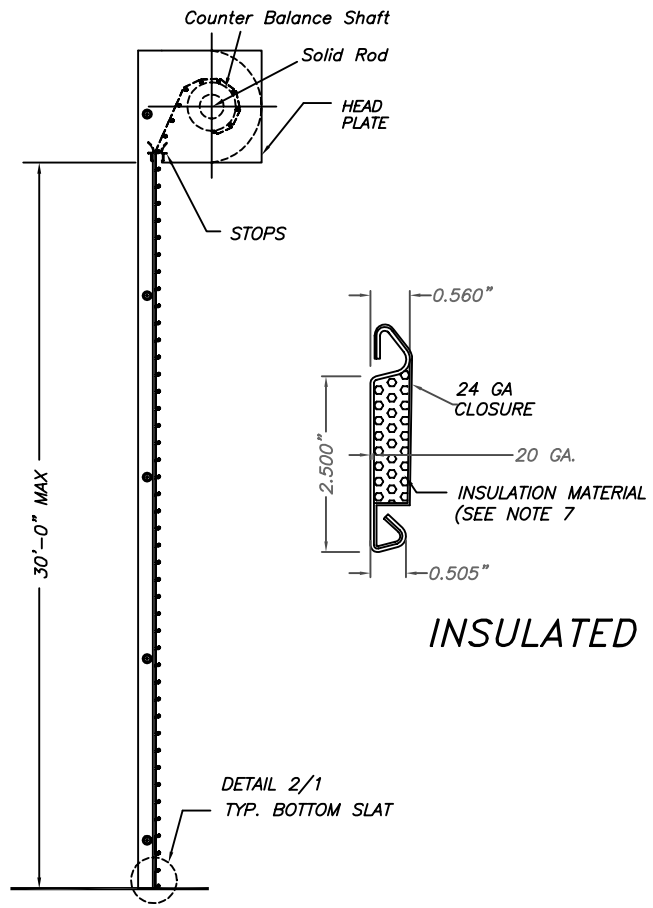
Remarks:

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

DRILLER: Luis Rodriguez
TESTED BY: Luis Rodriguez

Respectfully submitted,
WINGERTER LABORATORIES, INC.
12-19-06
Robert H. Schuler, P.E., P.G.
Florida License No. 34715

The original of this report was signed and sealed by the herein referenced registered engineer in accordance with Rule 61G15-18.011 of the Florida Administration Code. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.



INSULATED

VERTICAL DETAIL

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 2004 EDITION OF THE FLORIDA BUILDING CODE WITH THE 2006 SUPPLEMENT.
DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 & 1609 OF THE ABOVE MENTIONED CODE.
ROLL-UP DOORS ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER FENESTRATION TESTING LABORATORY REPORT #4845, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.

DESIGN PRESSURE RATING: +60.0, -65.0 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- ALL STEEL ANGLES & WINDLOCKS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.

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

5- STEEL WINDBARS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED PRIOR TO INSTALLATION.

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

7- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION MANUFACTURED BY APACHE PRODUCTS COMPANY, DADE COUNTY NOTICE OF ACCEPTANCE # 01-1108.09.

8- CONCRETE ANCHORS TO BE MANUFACTURED BY RED HEAD. AND SHALL BE INSTALLED FOLLOWING RECOMMENDATIONS OF THE ANCHORS MANUFACTURER.

9- 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.

10- THIS P.A.D. SHALL COMPLY WITH SECTION 2: 61G15 OF THE FLORIDA ADMINISTRATIVE CODE .

BOLT SCHEDULE

ASSEMBLY BOLT	WALL ATTACHMENT CONCRETE JAMB FOR Min. f'c=4000 psi	WALL ATTACHMENT STEEL JAMB
1/2"ø-13 x 1 1/2" @ 14" O.C.	DYNABOLT 5/8 X 5" @ 16" O.C.	11/16"ø X 3/16" @ 14" O.C.

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2			

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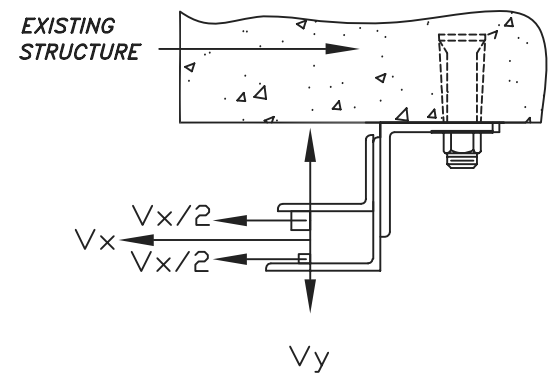
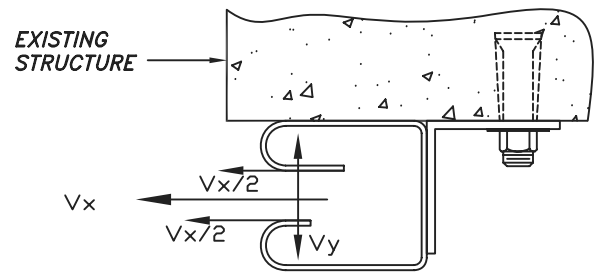
09/21/06 DATE
DRAWING No BEST01_0906
SHEET 3

Vx & Vy REACTIONS

MAXIMUM DESIGN LOAD (PSF)	CLEAR DOOR WIDTH (Ft.)	REQ'D SLIP (In)	Vx (Lb/Ft)	Vy (Lb/Ft)
+50.0, −50.0	18'−0"	3/4"	1655	450
	20'−0"	1"	1724	500
	22'−0"	1 1/8"	1897	550
	24'−1 1/2"	1 1/8"	2176	603
+55.0, −55.0	18'−0"	3/4"	1823	495
	20'−0"	1"	1896	550
	22'−0"	1 1/8"	2084	605
	24'−1 1/2"	1 1/8"	2387	664
+60.0, −60.0	18'−0"	3/4"	1990	540
	20'−0"	1"	2068	600
	22'−0"	1 1/8"	2269	660
	24'−1 1/2"	1 1/8"	2595	724
+60.0, −65.0	18'−0"	3/4"	2156	585
	20'−0"	1"	2238	650
	22'−0"	1 1/8"	2453	715
	24'−1 1/2"	1 1/8"	2802	784



LOAD DIAGRAM MOUNTING 1



LOAD DIAGRAM MOUNTING 2

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SHEET 4