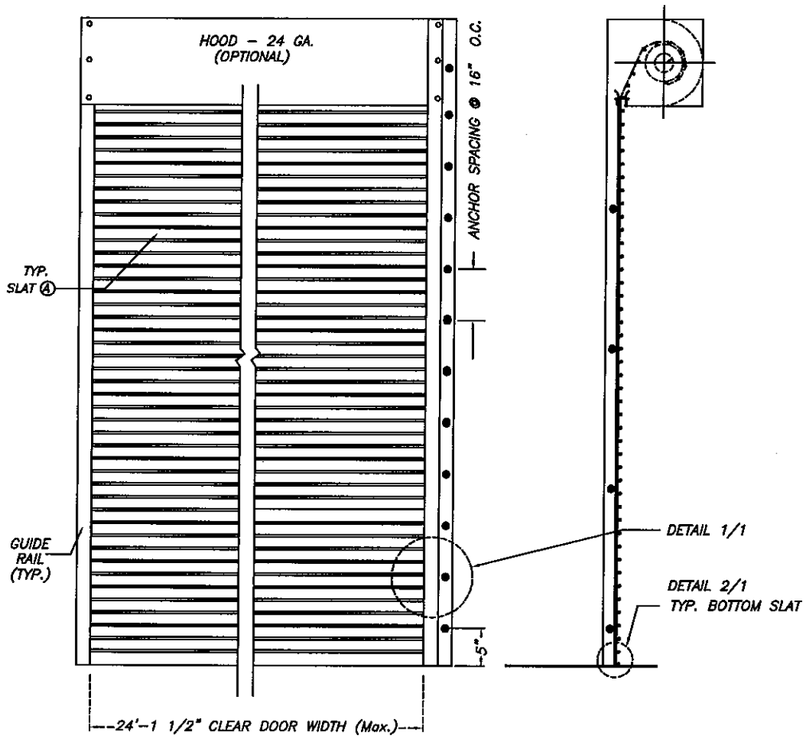


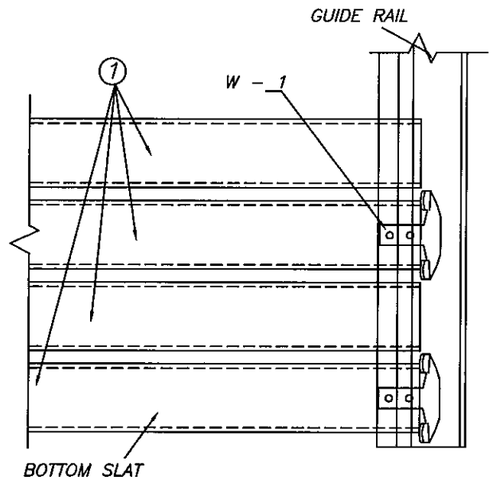
COILSIDE ELEVATION

VERTICAL DETAIL

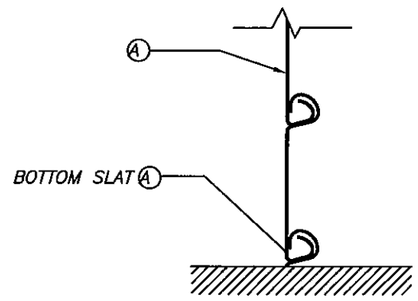
Allowable Transverse Design Wind Loads (psf)

Model S10 6065			
Max Door Width (ft)	Max Door Height (ft)	Pos. Design Wind Load (psf)	Neg. Design Wind Load (psf)
8	30	139.7	-150.8
9	30	139.7	-150.8
10	30	139.7	-150.8
11	30	139.7	-150.8
12	30	139.7	-150.8
13	30	139.7	-150.8
14	30	139.7	-150.8
15	30	125.2	-135.2
16	30	113.1	-122.2
17	30	102.8	-111.2
18	30	94.1	-101.8
19	30	86.5	-93.6
20	30	79.9	-86.5
21	30	74.2	-80.3
22	30	69.1	-74.8
23	30	64.5	-69.9
24	30	60.5	-65.5
24.125	**30**	**60.0**	**-65.0**
25	30	56.9	-61.6
26	30	53.6	-58.1
27	30	50.6	-54.8
28	30	47.9	-51.9
29	30	45.4	-49.2
30	30	43.1	-46.8
31	30	41.2	-44.7
32	30	39.1	-42.5
33	30	37.4	-40.6
34	30	35.7	-38.8
35	30	34.2	-37.1
36	30	32.8	-35.6

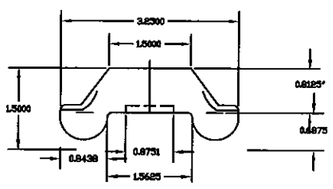
The 24'-1 1/2 wide x 10' high test door values are shaded
Maximum test load was 150% of design load
Doors 12' wide or wider have a design slip of 1.0"
Doors less than 12' wide have a design slip of 0.50"

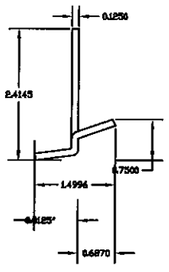


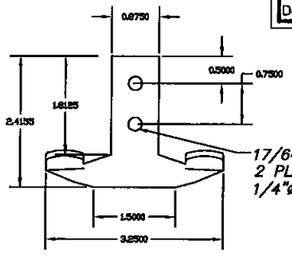
DETAIL 1 (elevation)



BOTTOM SLAT
DETAIL 2
SCALE : 1/2" = 1"







WINDLOCKS
DETAIL 3
SCALE : 1/2" = 1"

2004 FLORIDA BUILDING CODE
with the 2006 supplement

FL# 7760.2

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

REV. NO	DESCRIPTION	DATE
1		
2		

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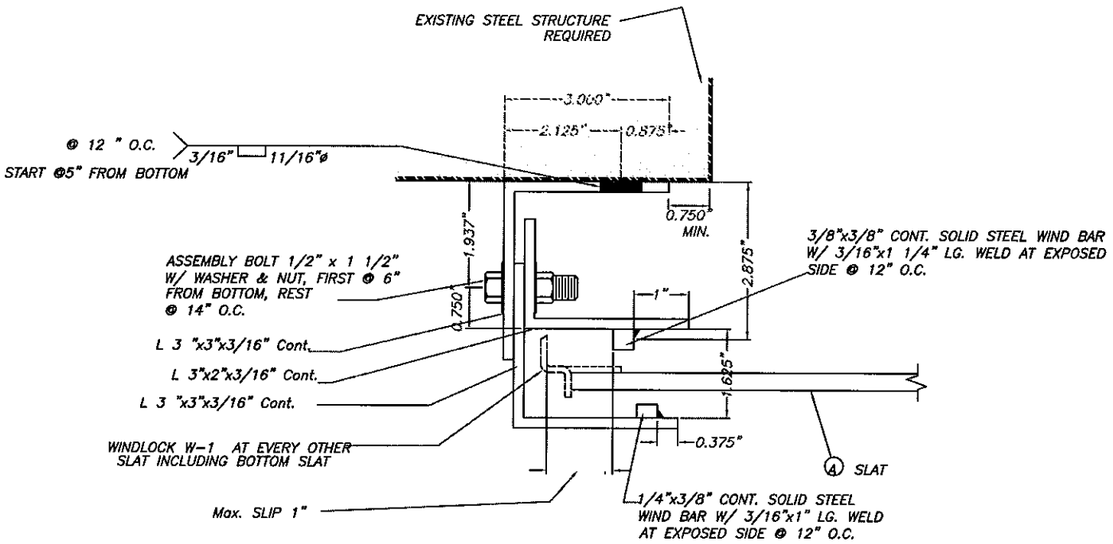
B.R.

04/11/07
DATE

DRAWING No
BEST01_0307

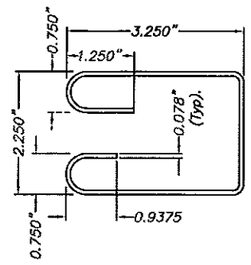
SHEET 1



STEEL JAMB "E"

SCALE : 3/8" = 1"

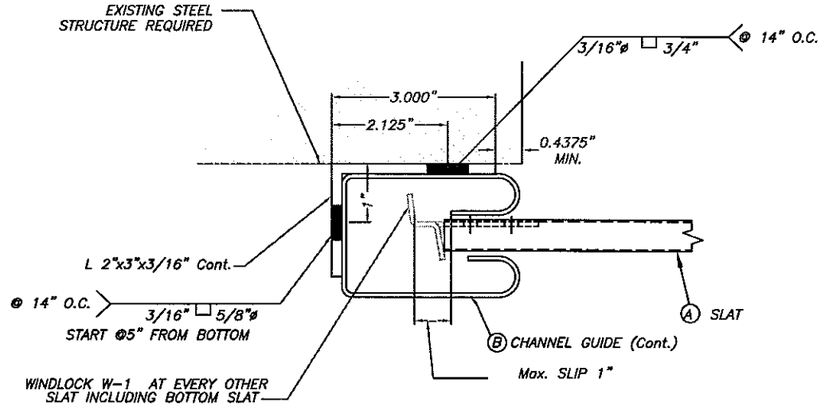
SAMPLES A-1, A-2 & A-3



(B) CHANNEL GUIDE

SCALE : 1/2" = 1"

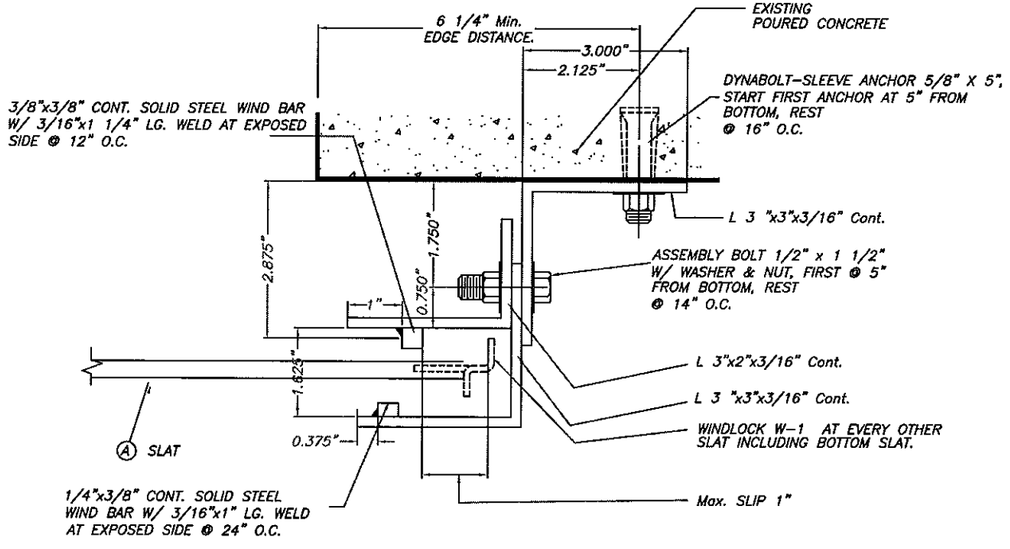
UNIT A-4, A-5 & A-6



STEEL JAMB "E"

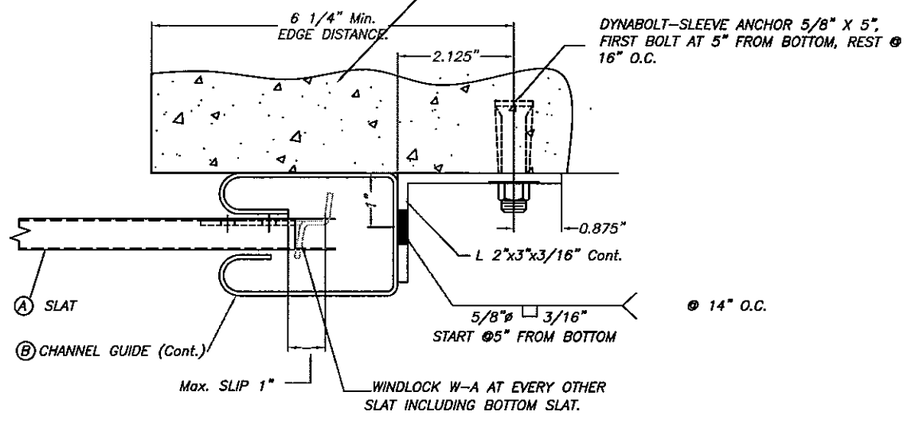
SCALE : 3/8" = 1"

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



MASONRY JAMB "Z"

SCALE : 3/8" = 1"



MASONRY JAMB "Z"

SCALE : 3/8" = 1"

JOSEPH H. [illegible] LICENSE NO. 77607 STATE OF FLORIDA PROFESSIONAL ENGINEER

2004 FLORIDA BUILDING CODE
with the 2006 supplement

FL# 7760.2

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

	REV. NO	DESCRIPTION	DATE
1			
2			

DRAWN BY B.R.

04/11/07 DATE

DRAWING No BEST01_0307

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

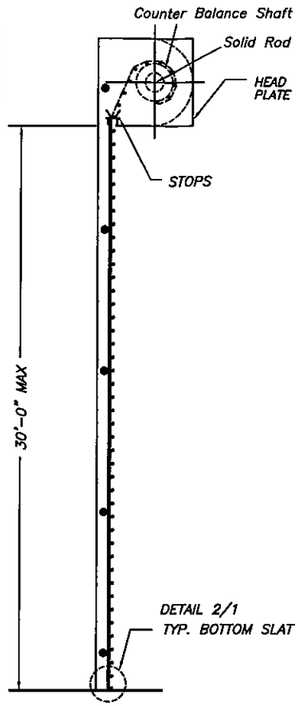
Respectfully submitted,
WINGERTER LABORATORIES, INC.

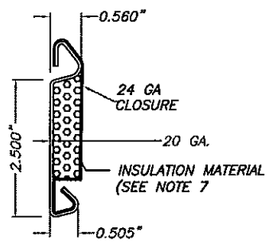
12-19-06

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

DRILLER: Luis Rodriguez
TESTED BY: Luis Rodriguez

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.





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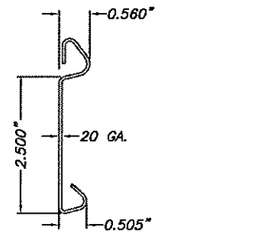

PLAIN

Ⓐ FLAT SLAT

SCALE : 1/2" = 1"

VERTICAL DETAIL

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.

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.

JOSEPH H. DIXON JR. P.E. LICENSED 4/11/07 No. STATE OF FLORIDA PROFESSIONAL ENGINEER

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04/11/07 DATE

DRAWING No BEST01_0307

SHEET 3