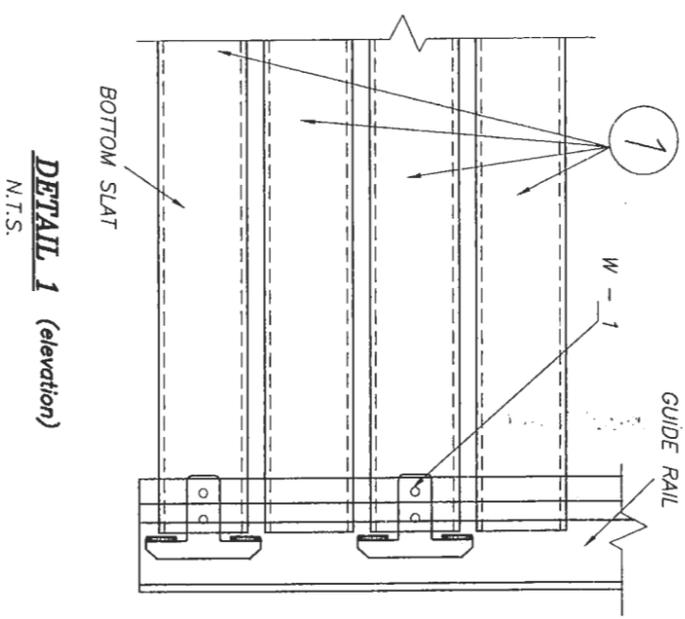
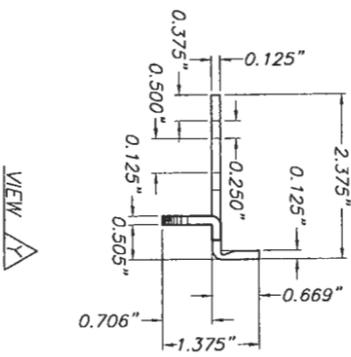
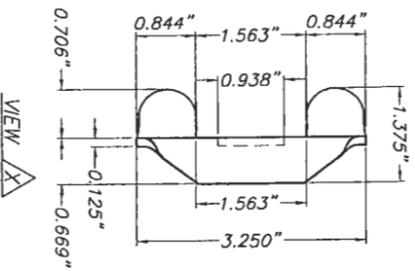
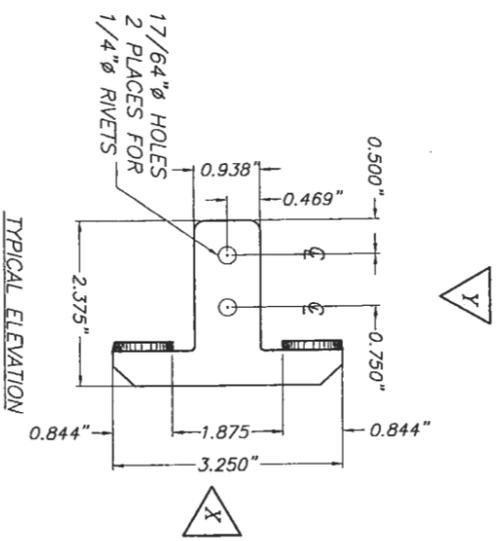
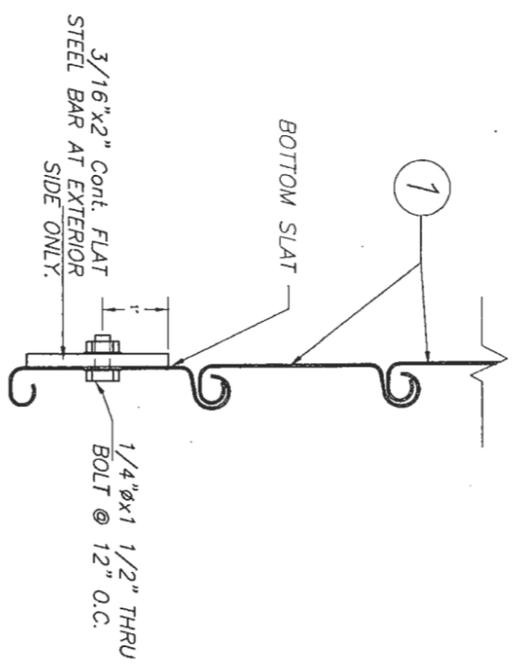


2 BOTTOM BAR
SCALE : 3/8" = 1"



3 TYPICAL WINDLOCK W - 1 DETAIL
SCALE : 3/8" = 1"

COMPONENTS

P.E. SEAL/SIGNATURE/DATE

9/2/11

STATE OF TEXAS

TEXAS DEPARTMENT OF INSURANCE - 2006

WALTER A. TILLIT JR. P.E.
PROFESSIONAL ENGINEER

6355 N.W. 36 STREET, STE. 305
VIRGINIA GARDENS, FL 33166
PHONE (305) 871-1530 FAX (305) 871-1531
TEXAS LIC. # 90691

26'-0" MAXIMUM WIDE, 20 GAGE SLAT
HV-2670 ROLL-UP DOOR

ROLLING DOOR INDUSTRIES, LLC.

8214 NW 64 ST
MIAMI, FL 33166
PH: 305-599-9977 FAX: 305-599-9979

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	COORD.	06/28/11	4		
2					

M.C.V.
DRAWN BY:

03/04/11
DATE

11-022
DRAWING No

SHEET 2 OF 3

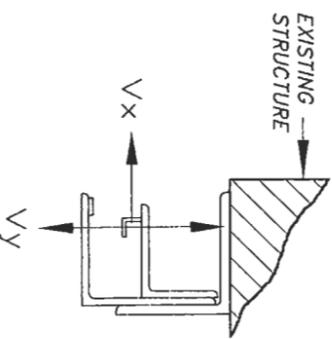
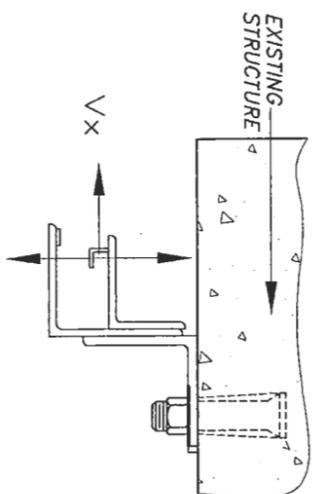
Vx & Vy REACTIONS & ANCHOR SPACING SCHEDULE

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (Ft.)	SLIP (in)	Vx (Lb/Ft)	Vy (Lb/Ft)	MAX. ANCHOR SPACING TO POURED CONCRETE						
					ANCHOR TYPE 1 *		ANCHOR TYPE 2 *				
					f'c = 3 KSI Min.	f'c = 4 KSI Min.	f'c = 3 KSI Min.	f'c = 4 KSI Min.	f'c = 3 KSI Min.	f'c = 4 KSI Min.	
+50.0, -50.0	16'-0"	5/8"	1436	400	11"	11"	11"	11"	11"	11"	11"
	18'-0"	1"	1419	450	11"	11"	11"	11"	11"	11"	11"
	20'-0"	1 1/4"	1532	500	11"	11"	11"	11"	11"	11"	11"
	24'-0"	1 1/2"	1885	600	10 1/2"	11"	11"	11"	11"	11"	11"
	26'-0"	1 1/2"	2125	650	9"	10 1/2"	11"	10"	11"	11"	11"
	16'-0"	5/8"	1591	440	11"	11"	11"	11"	11"	11"	11"
+55.0, -55.0	18'-0"	1"	1569	495	11"	11"	11"	11"	11"	11"	11"
	20'-0"	1 1/4"	1689	550	11"	11"	11"	11"	11"	11"	11"
	24'-0"	1 1/2"	2071	660	9 1/2"	10 1/2"	11"	10"	11"	11"	11"
	26'-0"	1 1/2"	2331	715	8 1/2"	9 1/2"	10 1/2"	9"	10"	10 1/2"	11"
	16'-0"	5/8"	1743	480	11"	11"	11"	11"	11"	11"	11"
	18'-0"	1"	1718	540	11"	11"	11"	11"	11"	11"	11"
+60.0, -60.0	20'-0"	1 1/4"	1845	600	10 1/2"	11"	11"	11"	11"	11"	11"
	24'-0"	1 1/2"	2256	720	8 1/2"	10"	10 1/2"	9 1/2"	10 1/2"	11"	11"
	26'-0"	1 1/2"	2536	780	7 1/2"	8 1/2"	9 1/2"	8 1/2"	9 1/2"	10 1/2"	11"
	16'-0"	5/8"	2046	560	10"	11"	11"	10 1/2"	11"	11"	11"
	18'-0"	1"	2012	630	10"	11"	11"	10 1/2"	11"	11"	11"
	20'-0"	1 1/4"	2155	700	9"	10"	11"	9 1/2"	11"	11"	11"
+70.0, -70.0	24'-0"	1 1/2"	2611	840	7 1/2"	8 1/2"	9"	9"	9"	9 1/2"	11"
	26'-0"	1 9/16"	2881	910	7 1/2"	7 1/2"	8 1/2"	6 1/2"	8"	8 1/2"	11"

ANCHOR LEGEND

* ANCHOR TYPE 1: - 5/8"Ø POWERS FASTENERS, INC WEDGE BOLT ANCHOR W/ 5" MINIMUM EMBEDMENT, 6" MIN. EDGE DISTANCE & 8" MIN. WALL THICKNESS.
 ANCHOR TYPE 2: - 3/4"Ø HILTI KWIK BOLT 3 EXPANSION ANCHOR W/ 6 1/2" MIN. EMBEDMENT, 6" MIN. EDGE DISTANCE 8" MIN. WALL THICKNESS.
 ONLY ALLOWED TO BE USED AT JURISDICTIONS WHERE COMPLIANCE W/ ACI 318-05 APPENDIX D IS NOT ENFORCED BY BUILDING OFFICIAL.

▲ SPACING ONLY VALID FOR 7 1/2" MIN. EDGE DISTANCE



TEXAS DEPARTMENT OF INSURANCE -2006

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26'-0" MAXIMUM WIDE, 20 GAGE SLAT
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 PH: 305-599-9977 FAX: 305-599-9979

M.C.V.
 DRAWN BY:

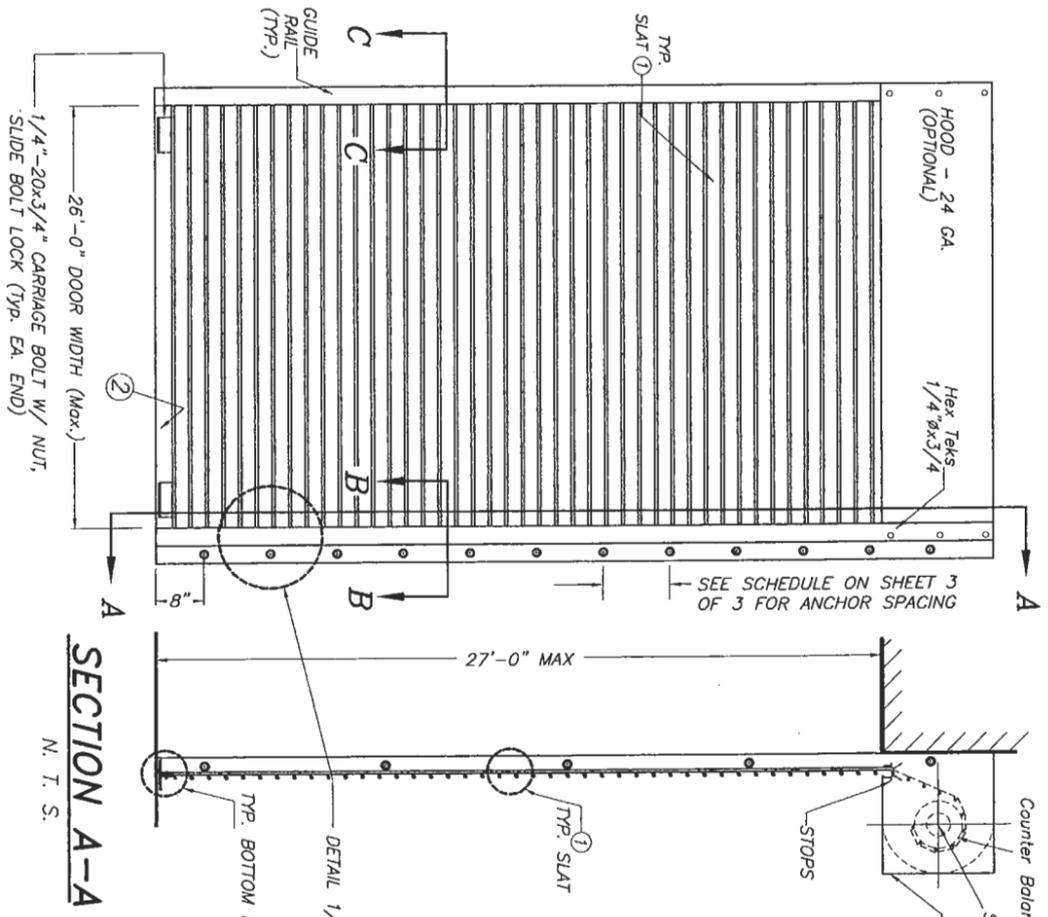
03/04/11
 DATE

11-022
 DRAWING No

REV. No.	DESCRIPTION	DATE	REV. No.	DESCRIPTION	DATE
1	COORD. I.D.	02/20/11	3		
2			4		

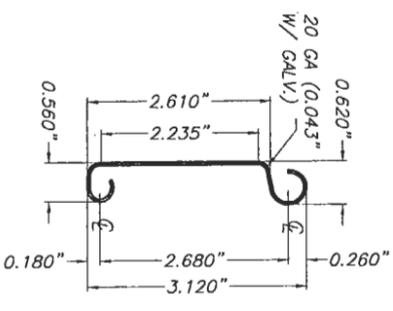
STATE OF TEXAS
 P.E. SEAL/SIGNATURE/DATE

TEXAS LIC. # 90691



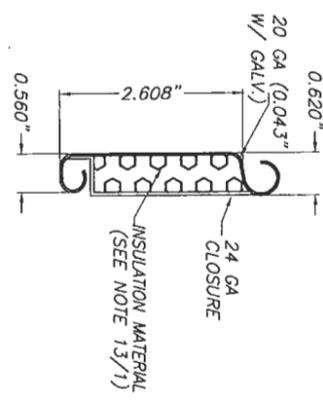
TYPICAL DOOR ELEVATION

N. T. S.



PLAIN

INSULATED



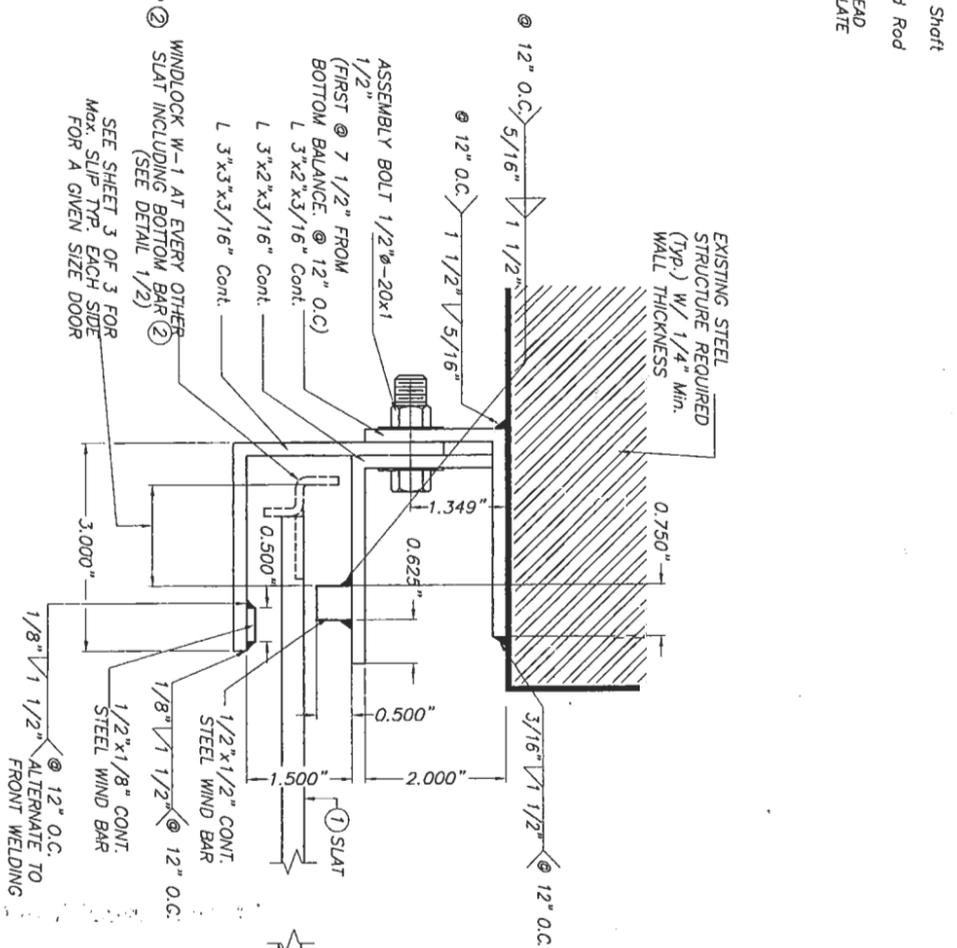
1 FLAT SLAT

SCALE : 1/2" = 1"

SECTION A-A

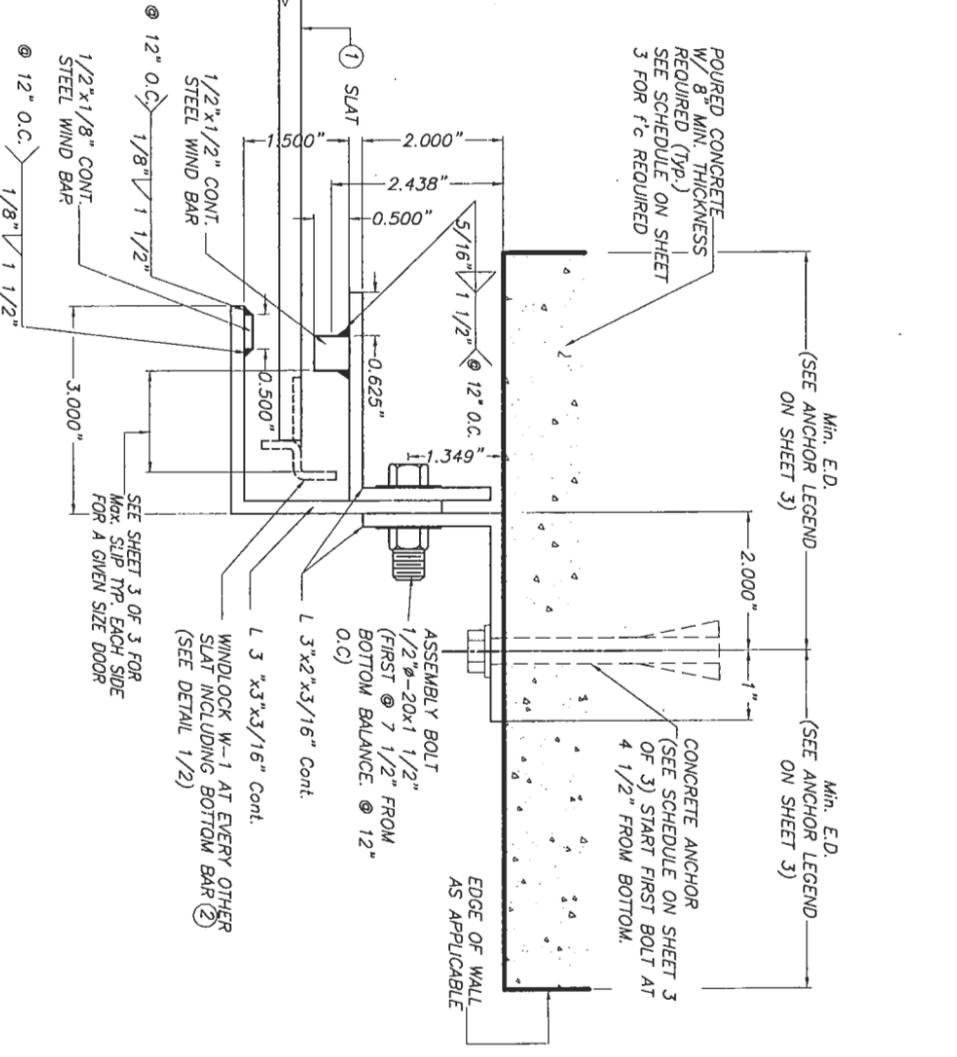
N. T. S.

EXISTING



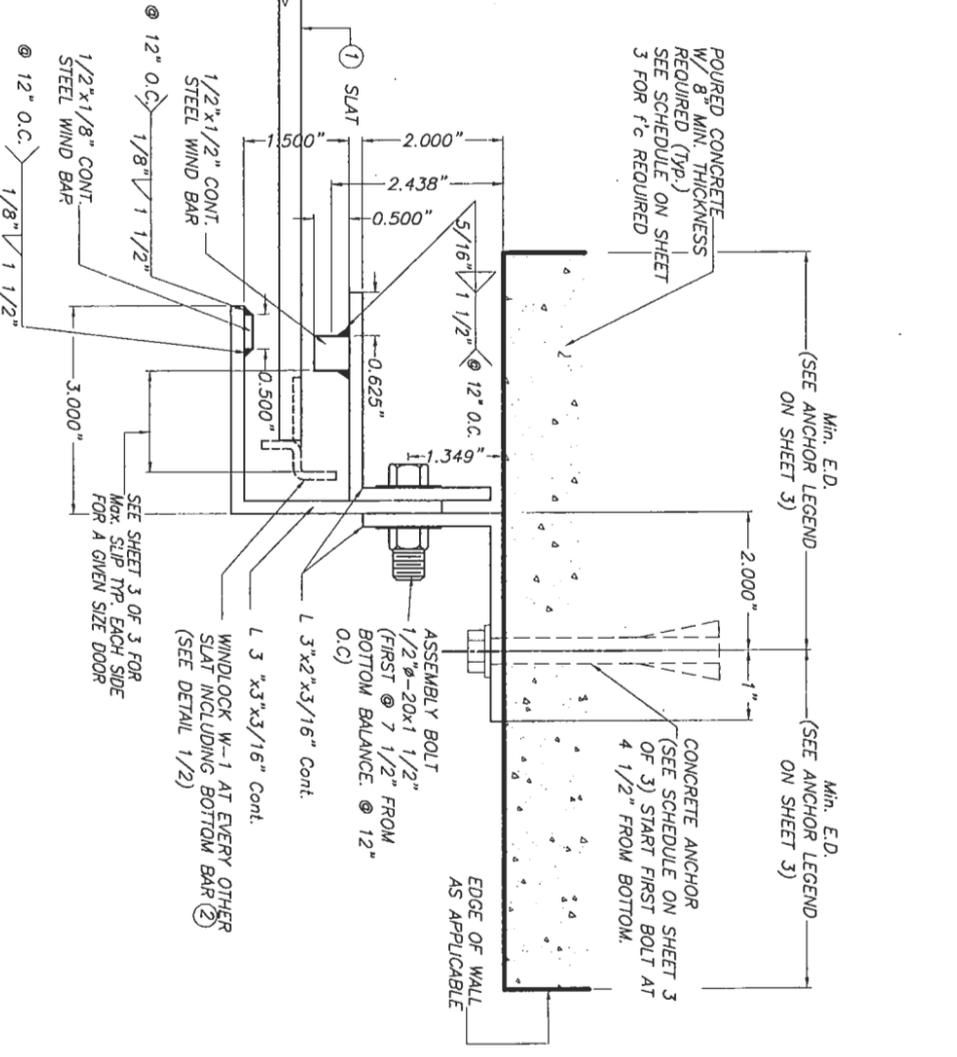
SECTION C-C

SCALE : 3/8" = 1"



SECTION B-B

SCALE : 3/8" = 1"



TEXAS DEPARTMENT OF INSURANCE - 2006

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TEXAS LIC. # 90691

26'-0" MAXIMUM WIDE, 20 GAGE SLAT
HV-2670 ROLL-UP DOOR

M.C.V.
DRAWN BY:

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MIAMI, FL 33166
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REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	DOOR ID.	05/20/11	3		
2			4		

11-022
DRAWING No

SHEET 1A OF 3



P.E. SEAL/SIGNATURE/DATE

GENERAL NOTES:

- 1- ROLL-UP DOOR SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2006 EDITIONS OF THE INTERNATIONAL BUILDING CODE (I.B.C.) AND INTERNATIONAL RESIDENTIAL CODE (I.R.C.) WITH THE 2006 TEXAS REVISIONS, EFFECTIVE JANUARY 1, 2008. THIS PRODUCT'S MAY BE INSTALLED AT SEAWARD AND INLAND AREAS, AS DEFINED BY THE TEXAS DEPARTMENT OF INSURANCE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1609 OF THE OF THE INTERNATIONAL BUILDING CODE, FOR A BASIC WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE SHUTTER WILL BE INSTALLED, AND FOR A DIRECTIONALITY FACTOR $K_d=0.85$, IN ACCORDANCE W/ ASCE 7-05 STANDARD IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.E.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS.
- ROLL-UP DOOR'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1609.1.2 AND R301.1.3 OF THE INTERNATIONAL AND RESIDENTIAL BUILDING CODE, RESPECTIVELY AS PER FENESTRATION TESTING LABORATORY, INC. REPORT # 6455, AS PER ASTM E 1886-05, E 1996-05 AND E 330-02 STANDARDS, QUALIFYING INSTALLATIONS FOR WIND ZONES 1, 2, 3 & 4, MISSILE TYPE D, APPLICABLE TO BASIC PROTECTION ONLY, FOR INSTALLATIONS AT NON ESSENTIAL FACILITIES AS DEFINED BY SECTIONS 6.2.1.1, 6.2.1.2 AND 8.3 OF ASTM E 1996-04.
- 2- SLAT TO BE A.S.T.M. A-653 GR 40 STRUCTURAL QUALITY STEEL WITH MIN $F_y = 46.9$ 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 $F_y = 46.9$ ksi.
- 3- ALL STEEL ANGLES TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION. PAINT TO CONFORM TO FEDERAL SPECIFICATIONS CORRESPONDING TO RED OXIDE PAINT OR EQUAL.
- 4- WINDLOCKS TO BE "MALLEABLE IRON" $F_y = 42$ ksi OR A.I.S.I. DESIGNATION STEEL W/ $F_y = 40$ ksi., CHROME OR NICKEL PLATED.
- 5- ALL ASSEMBLY BOLTS TO BE S.A.E. GRADE 2 CADMIUM PLATED OR GALVANIZED STEEL.
- 6- STEEL WINDBARS TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED PRIOR TO INSTALLATION. PAINT TO CONFORM TO FEDERAL SPECIFICATIONS CORRESPONDING TO RED OXIDE PAINT OR EQUAL.
- 7- HOOD TO BE 24 GA. A.S.T.M. A-653 DESIGNATION G-90 FINISH TYPE COATING.
- 8- ALL RIVETS TO BE A.I.S.I. C1006 SPHEROIDIZED ANNEALED ALUMINUM LOW CARBON COLD HEADING QUALITY STEEL, ZINC PLATED, W/ 55.0 ksi. MINIMUM TENSILE STRENGTH, AS MANUFACTURED BY UNIVERSAL RIVET, INC.
- 9- ALL SCREWS & BOLTS INSTALLED AT SEAWARD AREAS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES AND MEET ASTM A167, OR HOT DIPPED GALVANIZED (AFTER FABRICATION) CARBON STEEL AS PER ASTM A123 OR ASTM A153, OR HOT DIPPED GALVANIZED OR GALVANNEALED (PRIOR TO FABRICATION) AND MEET ASTM A653, HOT DIP GALVANIZED OR ELECTRO GALVANIZED PER ASTM A641, MECHANICALLY DEPOSITED ZINC COATINGS PER ASTM B695 OR ELECTRO DEPOSITED ZINC COATINGS PER ASTM B633, PER THE 2006 TEXAS REVISIONS TO SECTION 1716.1.2 OF THE 2006 I.B.C. AND TO SECTION R325.1.2 OF THE 2006 I.R.C.
- 10- ALL SCREWS & BOLTS INSTALLED AT INLAND 1 AREAS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES AND MEET ASTM A167, OR HOT DIPPED GALVANIZED (AFTER FABRICATION) CARBON STEEL AS PER ASTM A123 OR ASTM A153, OR HOT DIPPED GALVANIZED OR GALVANNEALED (PRIOR TO FABRICATION) AND MEET ASTM A653, HOT DIP GALVANIZED OR ELECTRO GALVANIZED PER ASTM A641, MECHANICALLY DEPOSITED ZINC COATINGS PER ASTM B695 OR ELECTRO DEPOSITED ZINC COATINGS PER ASTM B633, PER THE 2006 TEXAS REVISIONS TO SECTION 1716.1.2 OF THE 2006 I.B.C. AND TO SECTION R325.1.2 OF THE 2006 I.R.C.

- 11- CONCRETE ANCHORS TO BE AS MANUFACTURED BY HILTI, INC AND POWERS FASTENERS, INC. AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
- 12- ALL WELDING TO CONFORM TO AMERICAN WELDING SOCIETY'S AWS D1.1 REGULATIONS. USE A.W.S. A5.1 OR A5.5 E60XX ELECTRODES MIN. 3/16" FILLET SIZE.
- 13- INSULATION MATERIAL SHALL BE EPS-EXPANDED POLYSTYRENE INSULATION, MANUFACTURED BY DYPPLAST PRODUCTS LLC, NOTICE OF ACCEPTANCE # 07-1107.08.

14- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT V_x AND V_y FORCES AT BOTH JAMBS. SEE SCHEDULE ON SHEET 3 OF 3, FOR V_x & V_y VALUES.

15- ROLL-UP MECHANISM NOT PART OF THIS APPROVAL.

16- (A) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

(B) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS P.E.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(C) THIS P.E.D. WILL BE CONSIDERED INVALID IF MODIFIED.

(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY THE "TEXAS LICENSED PROFESSIONAL ENGINEER WHO IS THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT OR THE TEXAS LICENSED PROFESSIONAL ENGINEER APPOINTED BY THE COMMISSIONER OF THE TEXAS DEPARTMENT OF INSURANCE TO DETERMINE ELIGIBILITY FOR TEXAS WINDSTORM INSURANCE ASSOCIATION (TMA) WINDSTORM AND HAIL INSURANCE PURSUANT TO THE TEXAS INSURANCE CODE ARTICLE 21.49 SECTION 6A" WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

(E) THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

17- ROLL-UP DOOR MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT ROLL-UP DOOR. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING SHALL BE AS FOLLOWS:

Rolling Door Industries, LLC Miami, FL Product: 26'-0" Maximum Wide 20 Gage Slat HV-2670 Roll-Up Door Applicable Standards Include: ASTM E-330, E-1886, E1996 Design Pressure: +70/-70 psf DO NOT REMOVE LABEL	Texas Department of Insurance Evaluation Report ----- Installation Instructions: 11-022
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P.E. SEAL/SIGNATURE/DATE

TEXAS DEPARTMENT OF INSURANCE --2006

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PROFESSIONAL ENGINEER

6355 N.W. 36 STREET, STE. 305
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PHONE (305) 871-1530 FAX (305) 871-1531
TEXAS L.C. # 90691

<p style="text-align: center;">26'-0" MAXIMUM WIDE, 20 GAGE SLAT HV-2670 ROLL-UP DOOR</p> <p style="text-align: center;">ROLLING DOOR INDUSTRIES, LLC.</p> <p style="font-size: x-small;">8214 NW 64 ST MIAMI, FL. 33166 PH: 305-599-9977 FAX: 305-599-9979</p>	<p style="text-align: center;">M.C.V. DRAWN BY:</p> <p style="text-align: center;">03/04/11 DATE</p> <p style="text-align: center;">11-022 DRAWING No</p>																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DOOR 12</td> <td>06/20/11</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </tbody> </table>	REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	DOOR 12	06/20/11	3			2			4			<p style="text-align: right;">SHEET 1 OF 3</p>
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE														
1	DOOR 12	06/20/11	3																
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