

GENERAL NOTES:
 1- ROLL-UP DOOR SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE WITH THE 2005 AND 2006 SUPPLEMENTS.
 DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1609 OF THE ABOVE MENTIONED FLORIDA BUILDING CODE.
 2- ROLL-UP DOOR ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED FLORIDA BUILDING CODE AS PER FENESTRATION TESTING LABORATORY, INC. REPORT # 5081, PER TAS-201, TAS-202 & TAS-203 PROTOCOLS.
 DESIGN PRESSURE RATING: +65.0, -65.0 PSF

2- SLAT TO BE A.S.T.M. A-653 OR 50 STRUCTURAL QUALITY STEEL WITH MIN FY = 50.0 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 = 50.0 KSI.

3- ALL STEEL ANGLES TO BE A.S.T.M. A-36 DESIGNATION, SHOP PRIMED AGAINST CORROSION PRIOR TO INSTALLATION.

4- WINDLOCKS TO BE "WALFABLE IRON" FY=42 KSI OR A.I.S.I. DESIGNATION STEEL WITH FY= 40 KSI, CHROME OR NICKEL PLATED.

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

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

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- CONCRETE ANCHORS TO BE AS MANUFACTURED BY HILTI, INC AND SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

10- ALL WELDING TO CONFORM TO AMERICAN WELDING SOCIETY'S AWS D1.1 REGULATIONS. USE A.W.S. A5.1 OR A5.5 EROXX ELECTRODES MIN. 3/16" FILLET SIZE.

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

12- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT W AND V FORCES AT BOTH JAMBS. SEE SHEET 3 OF 3, TABLE 1 FOR W AND V VALUES.

13- ROLL-UP MECHANISM NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.

14- 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.A.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.

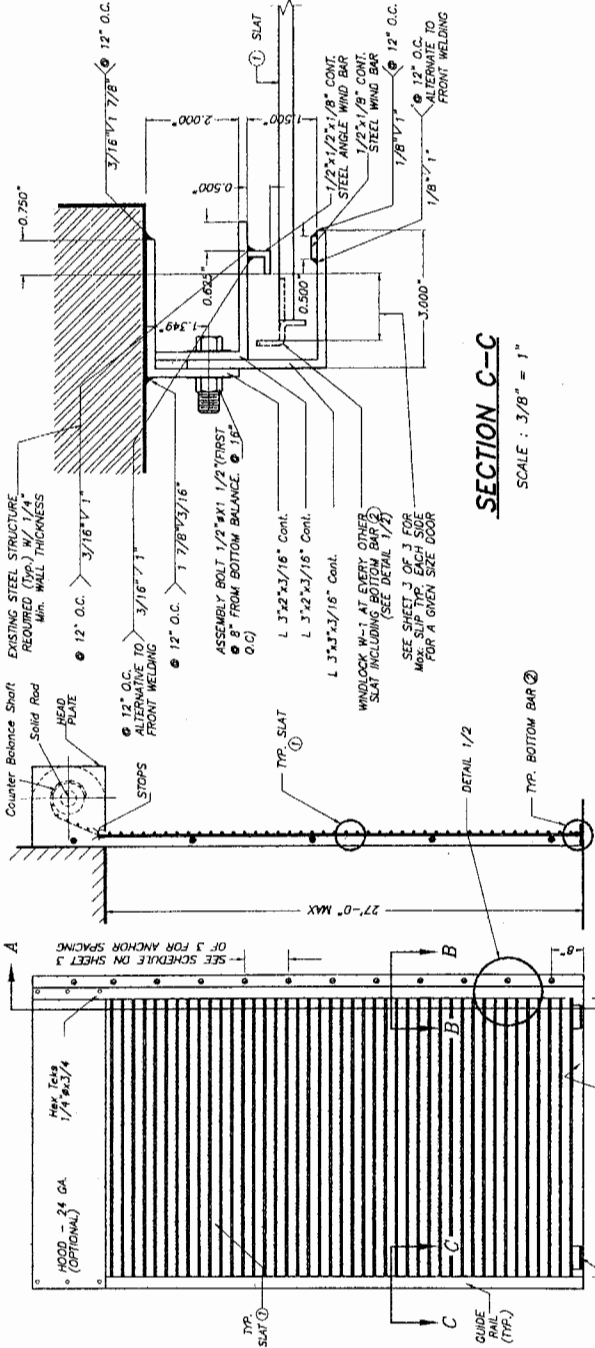
(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

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

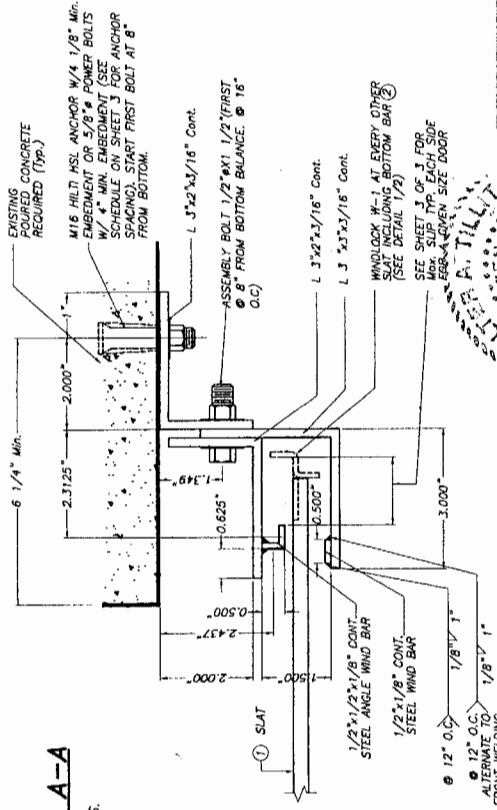
F.B.C. (NON High Velocity Hurricane Zone)

DRAWN BY LA		DATE 03/23/06	
16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR		ROLLING DOOR MANUFACTURING, CORP.	
8214 NW 84 ST MAMI, FL 33133		PH: 305-251-5425	
FAX: 305-251-5425		DATE	
REV. NO.		REV. NO.	
DESCRIPTION		DESCRIPTION	
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TILECO INC.
 TILT UP TESTING & ENGINEERING COMPANY
 6335 Phelan Rd. #100
 Tampa, FL 33634
 Phone: (813) 971-4331 Fax: (813) 971-4331
 Email: info@tileco.com
 WALTER S. TILLY, P.E.
 FLORIDA LICENSE # 44167

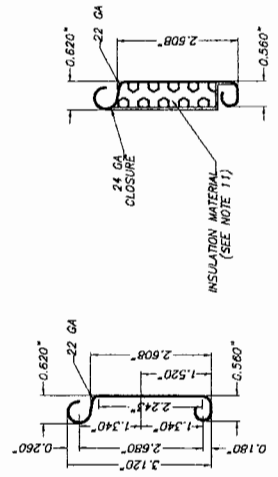


SECTION C-C
 SCALE: 3/8" = 1"



SECTION A-A
 N. T. S.

TYPICAL DOOR ELEVATION
 N. T. S.

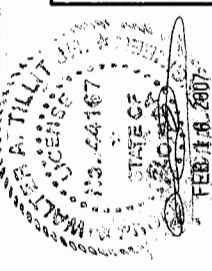


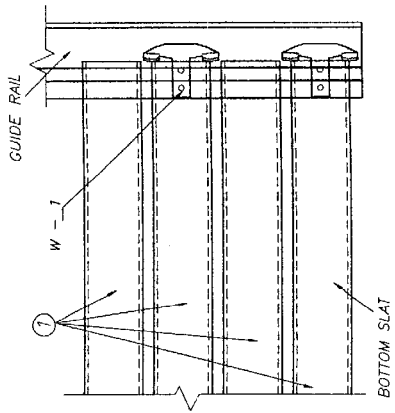
1 FLAT SLAT
 SCALE: 1/2" = 1"

SECTION B-B
 SCALE: 3/8" = 1"

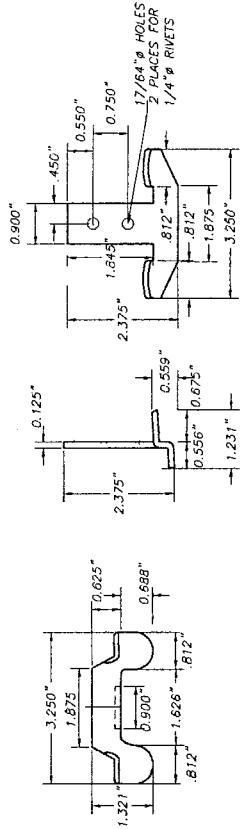
SECTION C-C
 SCALE: 3/8" = 1"

INSULATED
PLAIN

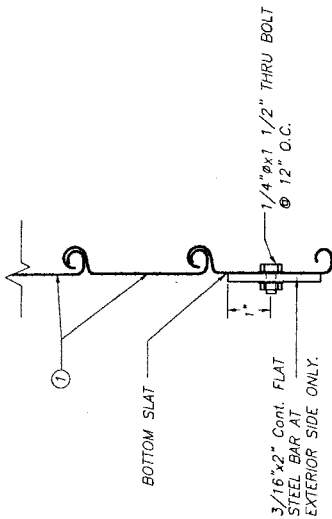




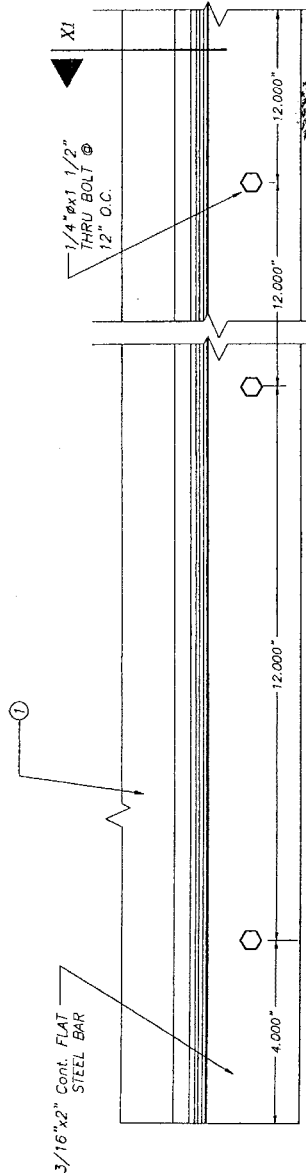
DETAIL 1 (elevation)
N. T. S.



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



SECTION XI
② BOTTOM BAR DETAIL
SCALE : 3/8" = 1"



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

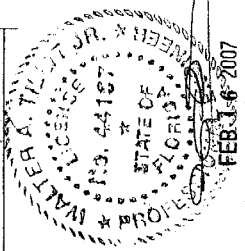
F.B.C. (NON High Velocity Hurricane Zone)
16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR

TILECO INC.
TILE TESTING & ENGINEERING COMPANY
433 N.W. 103rd St., Suite 200, Miami, FL 33166
TEL: (305) 251-4400 FAX: (305) 251-4425
WALTER A. TILIT, Jr., P. E.
FLORIDA L.E. # 44187

ROLLING DOOR MANUFACTURING, CORP.
8214 NW 64 ST
MIAMI, FL 33166
PH: 305-251-4400 FAX: 305-251-5425

REV. NO.	DESCRIPTION	DATE	BY	CHECKED BY
1				
2				

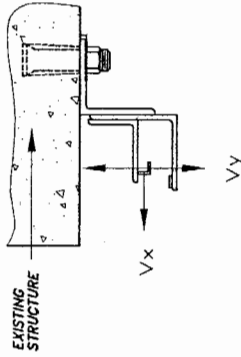
DRAWN BY: I.A.
DATE: 03/22/06
DRAWING NO: 06-057
SHEET 2 OF 3



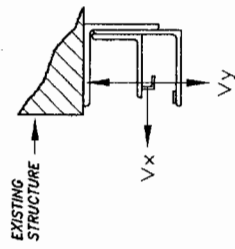
Vx & Vy REACTIONS & ANCHOR SCHEDULE

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (FT.)	SLIP (in)	Vx (Lb/Ft)	Vy (Lb/Ft)	MAX. ANCHOR SPACING *	
					HLS HILTI	POWER BOLT
+35.0, -35.0	10'-0"	3/32"	916	175	12"	9 1/2"
	12'-0"	3/16"	989	210	12"	9"
	14'-0"	9/32"	1120	245	12"	7 1/2"
	16'-2"	13/32"	1238	284	12"	7"
+45.0, -45.0	10'-0"	3/32"	1264	225	12"	7"
	12'-0"	5/32"	1446	270	11"	6"
	14'-0"	9/32"	1472	315	10 1/2"	6"
	16'-2"	13/32"	1608	365	9 1/2"	5 1/2"
+50.0, -50.0	10'-0"	3/32"	1428	250	11"	-
	12'-0"	11/64"	1553	300	10"	-
	14'-0"	1/4"	1732	350	9"	-
	16'-2"	13/32"	1789	405	8 1/2"	-
+55.0, -55.0	10'-0"	3/32"	1593	275	10"	-
	12'-0"	5/32"	1793	330	9"	-
	14'-0"	1/4"	1909	385	8"	-
	16'-2"	13/32"	1969	445.5	8"	-
+60.0, -60.0	10'-0"	3/32"	1756	300	9"	-
	12'-0"	5/32"	1964	360	8"	-
	14'-0"	1/4"	2084	420	7 1/2"	-
	16'-2"	3/8"	2218	486	7"	-
+65.0, -65.0	10'-0"	3/32"	1916	325	8 1/2"	-
	12'-0"	5/32"	2132	390	7 1/2"	-
	14'-0"	7/32"	2382	455	6 1/2"	-
	16'-2"	3/8"	2398	526.5	6 1/2"	-

* M16 HILTI HSL ANCHOR W/4 1/8" MINIMUM EMBEDMENT OR 5/8" POWER FASTENERS INC. POWER BOLT W/ 4" MIN. EMBEDMENT & 6 1/4" MIN. EDGE DISTANCE. MAXIMUM SPACINGS FOR fc = 3000 PSI



LOAD DIAGRAM



LOAD DIAGRAM

F.B.C. (NON High Velocity Hurricane Zone)

DRAWN BY L.A.		DATE 03/22/06	
16'-2" MAX. 22 GAGE SLAT ROLL-UP DOOR		ROLLING DOOR MANUFACTURING, CORP.	
8214 NW 64 ST MIAMI, FL 33186		PH: 305-251-4425 FAX: 305-251-5425	
REV. NO.	DATE	REV. NO.	DATE
1		1	
WALTER B. TILLEY, P. E. FLORIDA LIC. # 44167			

TILECO INC.
 TESTING & ENGINEERING COMPANY
 4330 W. 130th Ave., Suite 100, Miramar, FL 33025
 Phone: (305) 471-1330 Fax: (305) 471-1311

