



MIAMI-DADE COUNTY
 BUILDING CODE COMPLIANCE OFFICE (BCCO)
 PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
 METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
 MIAMI, FLORIDA 33130-1563
 (305) 375-2901 FAX (305) 375-2908

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Protective Shutters Manufacturing Co.
 5712 SW 25th Street
 Hollywood, Florida 33023

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: HPMA / "Performance system 1" Aluminum Accordion Shutter

APPROVAL DOCUMENT: Drawing No. 06-010, titled "Performance System 1 Accordion Shutter", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated January 26, 2006, signed and sealed by Walter A. Tillit Jr., P.E. bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E.**



Helmy A. Makar
 06/08/2006

NOA No 06-0503.03
 Expiration Date: 06/08/2011
 Approval Date: 06/08/2006
 Page 1

Protective Shutters Manufacturing Co.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 06-010, titled " Performance System 1 Accordion Shutter ", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated January 26, 2006, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *See Association's generic approval under 05-0323.*

C. CALCULATIONS

1. *See Association's generic approval under 05-0323.*

D. QUALITY ASSURANCE

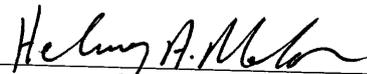
1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 05-0323.*

F. STATEMENTS

1. *Release letter issued by the Hurricane Protection Manufacturers Association, dated January 23, 2006, certifying this product to meet the criteria of product tested and approved, and allowing Protective Shutters Manufacturing Co. to use the test results approved under Miami- Dade County Approval No. 05-0323, signed by Mr. Jeffry T. Robinson.*
2. *Acknowledgment letter by Protective Shutters Manufacturing Co. dated February 9, 2006, signed by Mr. Gustavo Torres.*
3. *Letter by Tilteco, Inc., dated March 2, 2006, certifying that the drawing (No. 06-010) prepared for Protective Shutters Manufacturing Co., signed and sealed by Walter A. Tillit Jr., P.E., is engineering wise identical to Hurricane Protection Manufacturers Association, Inc. generic drawing (No. 05-118).*
4. *Acceptance Letter issued to Mr. Gustavo Torres on June 05, 2006, and returned signed by Mr. Gustavo Torres on June 05, 2006, indicating to please issue the proposed Notice of Acceptance as submitted and reviewed.*



Helmy A. Makar, P.E.

Product Control Examiner

NOA No 06-0503.03

Expiration Date: 06/08/2011

Approval Date: 06/08/2006

GENERAL NOTES:

1. ACCORDION SHUTTER SHOWN ON THIS PRODUCT APPROVAL DOCUMENT HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE. IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE LOADS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. HOWEVER, FOR LAG SCREWS INTO WOOD, A 1.60 WIND LOAD DURATION FACTOR WAS USED TO CALCULATE SCREWS SPACINGS. ACCORDION SHUTTER'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE PER TAS-201, TAS-202, AND TAS-203 AS PER CTL REPORT N° 00-080.
2. STAINLESS STEEL SHEET METAL SCREWS USED AT LOUVER PIN SHALL BE # 14 x 3", 410-HT MINIMUM SERIES W/ 135.0 ksi YIELD STRENGTH & 180 ksi TENSILE STRENGTH. SCREWS SHALL BE COATED WITH XLAN 5000 SERIES FLUOROPOLYMER COATINGS AS MANUFACTURED BY WHITFORD Co, BOX 507, WEST CHESTER PA, 19381.
3. ALL ALUMINUM EXTRUSIONS SHALL BE 6061-T6, 6005-T5 OR 6105-T5 ALLOY WITH MINIMUM YIELD STRENGTH OF $F_y=35.0$ ksi.
4. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES W/ 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018.
5. ALL ALUMINUM POP RIVETS TO BE 5052 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
6. BOLTS TO BE 2024-T4 ALUMINUM ALLOY GALVANIZED OR STAINLESS STEEL WITH 35 ksi MINIMUM YIELD STRENGTH.
7. ANCHORS TO WALL SHALL BE AS FOLLOWS: (UNLESS OTHERWISE NOTED)

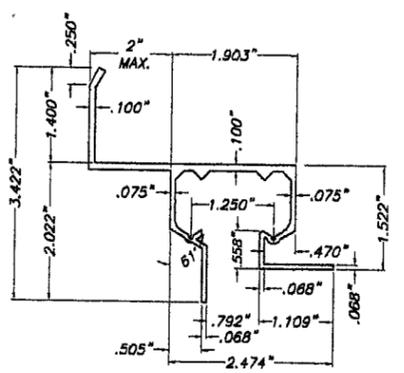
- (A) TO EXISTING POURED CONCRETE:
- 1/4" # TAPCON AND 1/4" # MAXI-SET TAPCON, AS MANUFACTURED BY I.T.W. BUILDDEX.
 - 1/4" # CRETE FLEX SS4 ANCHORS, AS MANUFACTURED BY ELCO TEXTRON.
 - 1/4" # x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY POWERS FASTENERS, INC.
- NOTES:
- A.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS AND CRETE FLEX SS4 ANCHORS INTO CONCRETE IS 1 3/4".
 - A.2) 7/8" CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" #-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST.
 - A.3) IN CASE THAT PRECAST STONE, PRECAST CONCRETE PANELS, OR PAVERS BE FOUND ON THE EXISTING WALL FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES A.1 & A.2 ABOVE.

- (B) TO EXISTING CONCRETE BLOCK WALL:
- 1/4" # TAPCON AND 1/4" # MAXI-SET TAPCON, AS MANUFACTURED BY I.T.W. BUILDDEX.
 - 1/4" # CRETE FLEX SS4 ANCHORS, AS MANUFACTURED BY ELCO TEXTRON.
 - 1/4" # x 7/8" CALK-IN ANCHORS AS MANUFACTURED BY POWERS FASTENERS, INC.
- NOTES:
- B.1) MINIMUM EMBEDMENT OF TAPCON ANCHORS, AND CRETE FLEX SS4 ANCHORS INTO THE CONCRETE BLOCK UNIT SHALL BE 1 1/4".
 - B.2) 7/8" CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE CONCRETE BLOCK UNIT. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4" #-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST AND 1" MINIMUM FOR WALLS WITH NO STUCCO.
 - B.3) IN CASE THAT PRECAST STONE OR PRECAST CONCRETE PANELS BE FOUND ON THE EXISTING WALL, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE 1 1/4" MINIMUM FOR ANCHORS MENTIONED IN B.1.), & 7/8" FOR ANCHORS MENTIONED IN B.2.).

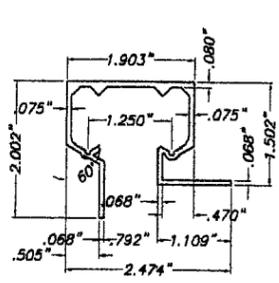
- (C) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
8. SHUTTER'S COMPONENTS ARE PATENT PENDING.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
10. A PERMANENT SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF THE FEMALE CENTERMATE BLADE (COMPONENT (H)). ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:
 "PERFORMANCE SYSTEM 1 ACCORDION SHUTTER"
 PROTECTIVE SHUTTERS MANUFACTURING CO.
 HOLLYWOOD, FLORIDA
 MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.
11. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.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.A.D.

- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT APPROVAL DOCUMENT 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.A.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.

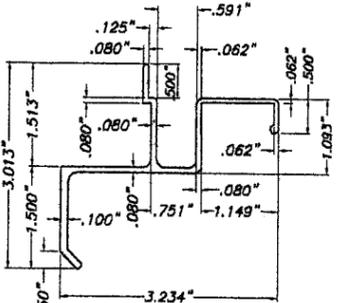
Approved as complying with the Florida Building Code
 Date: 06/08/2006
 NOA# 06-0503-03
 Miami Dade Product Control
 Division
 By: *Helmut A. Weber*



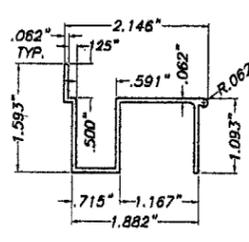
(A) WALL HEADER (& INVERTED)
 SCALE: 3/8" = 1"



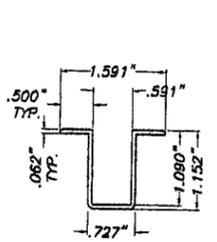
(B) CEILING HEADER
 SCALE: 3/8" = 1"



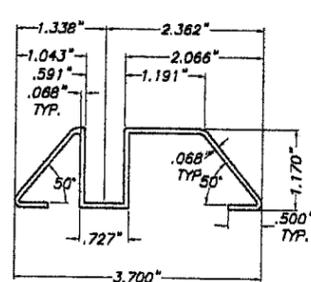
(C) WALL SILL
 SCALE: 3/8" = 1"



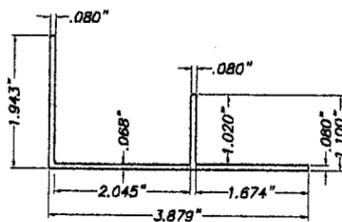
(D) FLOOR SILL
 SCALE: 3/8" = 1"



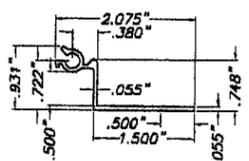
(D1) FLOOR SILL
 SCALE: 3/8" = 1"



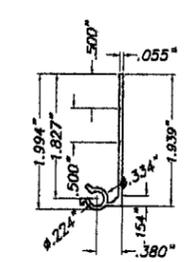
(D2) THRESHOLD TRACK
 SCALE: 3/8" = 1"



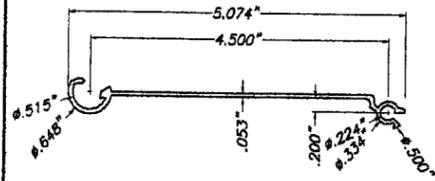
(E) ADJUSTABLE SILL ADAPTOR
 SCALE: 3/8" = 1"



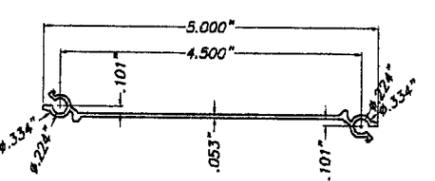
(F) 90° STARTER
 SCALE: 3/8" = 1"



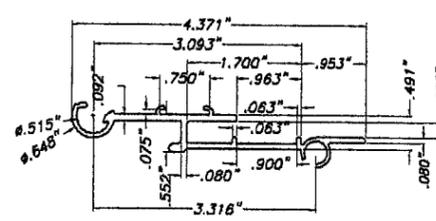
(F1) 180° MALE STARTER
 SCALE: 3/8" = 1"



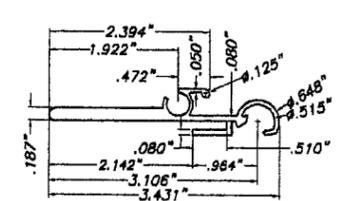
(G) MALE/FEMALE BLADE
 SCALE: 3/8" = 1"



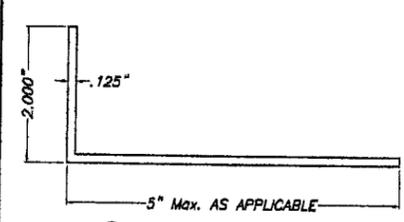
(G1) MALE/MALE BLADE
 SCALE: 3/8" = 1"



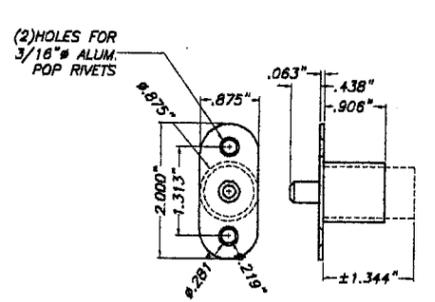
(H) FEMALE CENTERMATE BLADE
 SCALE: 3/8" = 1"



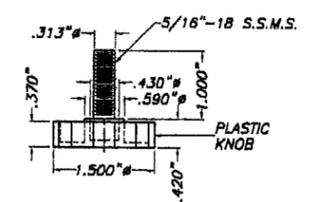
(H1) MALE CENTERMATE BLADE
 SCALE: 3/8" = 1"



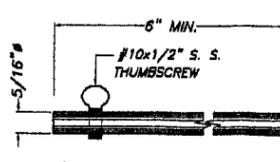
(I) ALUMINUM ANGLE
 SCALE: 3/8" = 1"



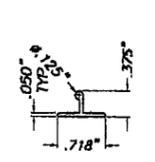
(J) BRASS NICKEL PLATED PUSH BUTTON LOCK



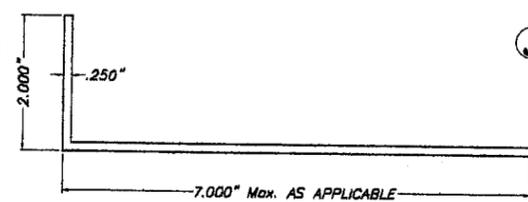
(J1) 5/16" x 1" S.S.M.S. W/PLASTIC KNOB LOCK



(K) LOCKING PIN (OPTIONAL)
 SCALE: 3/8" = 1"



(L) INTERIOR HANDLE (OPTIONAL)
 SCALE: 3/8" = 1"



(I1) ALUMINUM ANGLE
 SCALE: 3/8" = 1"

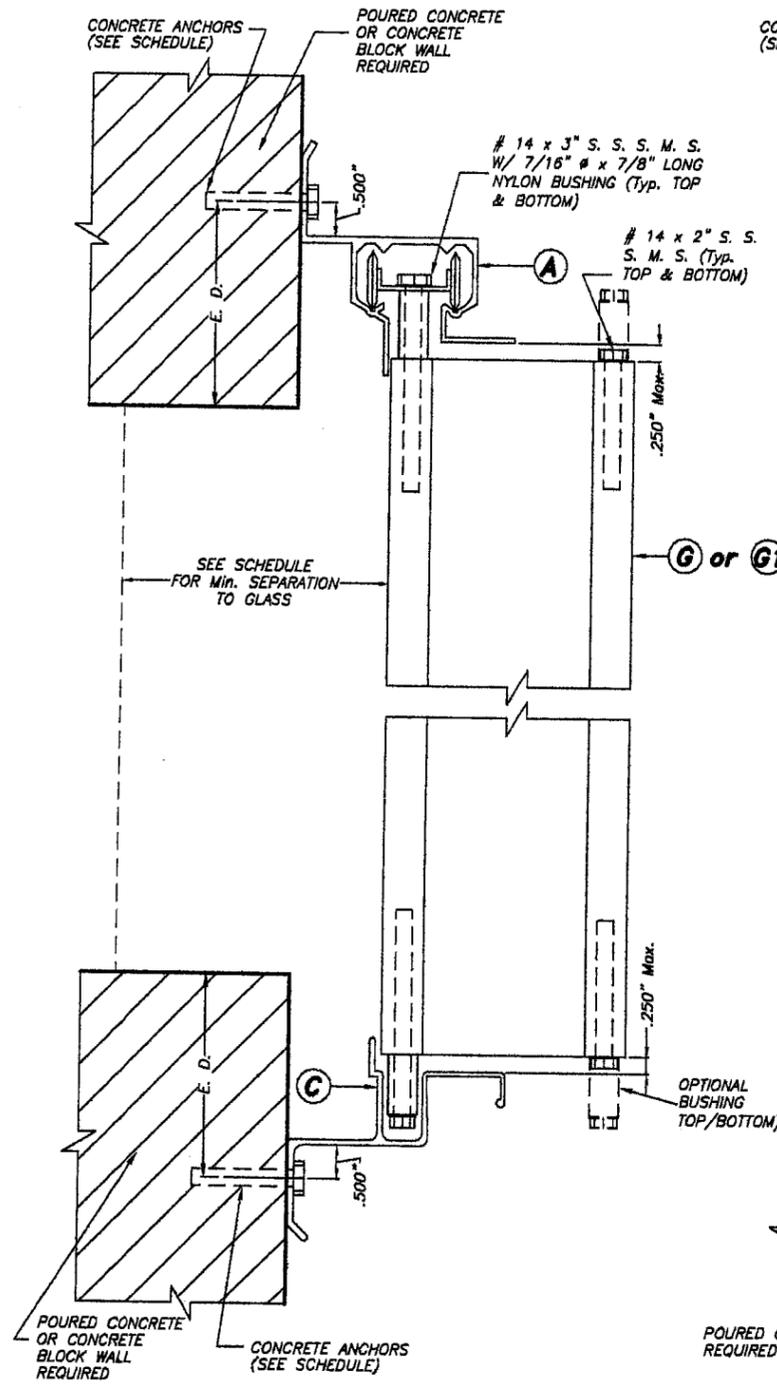
COMPONENTS

3/2/06

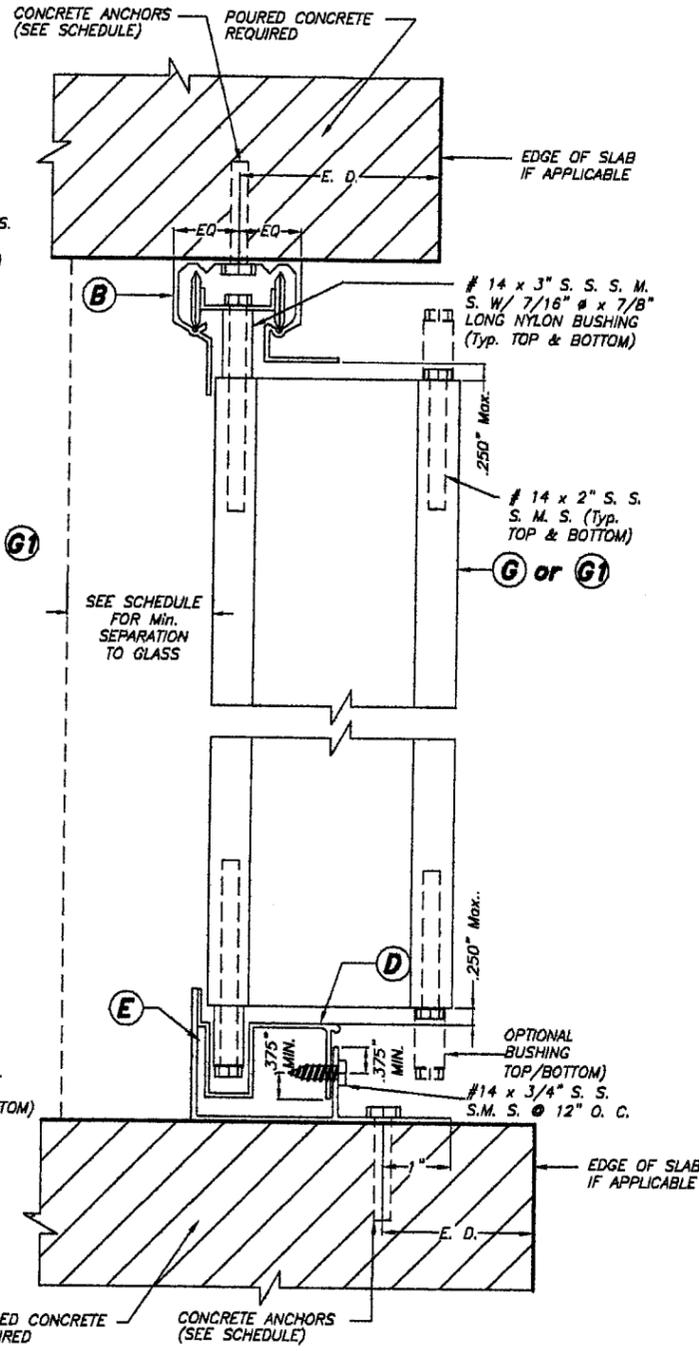
TILECO INC.
 TILLIT TESTING & ENGINEERING COMPANY
 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33188
 Phone: (305)871-1830, Fax: (305)871-1831
 EB-0006719
 WALTER A. TILLIT Jr, P. E.
 FLORIDA Lic. # 44167

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

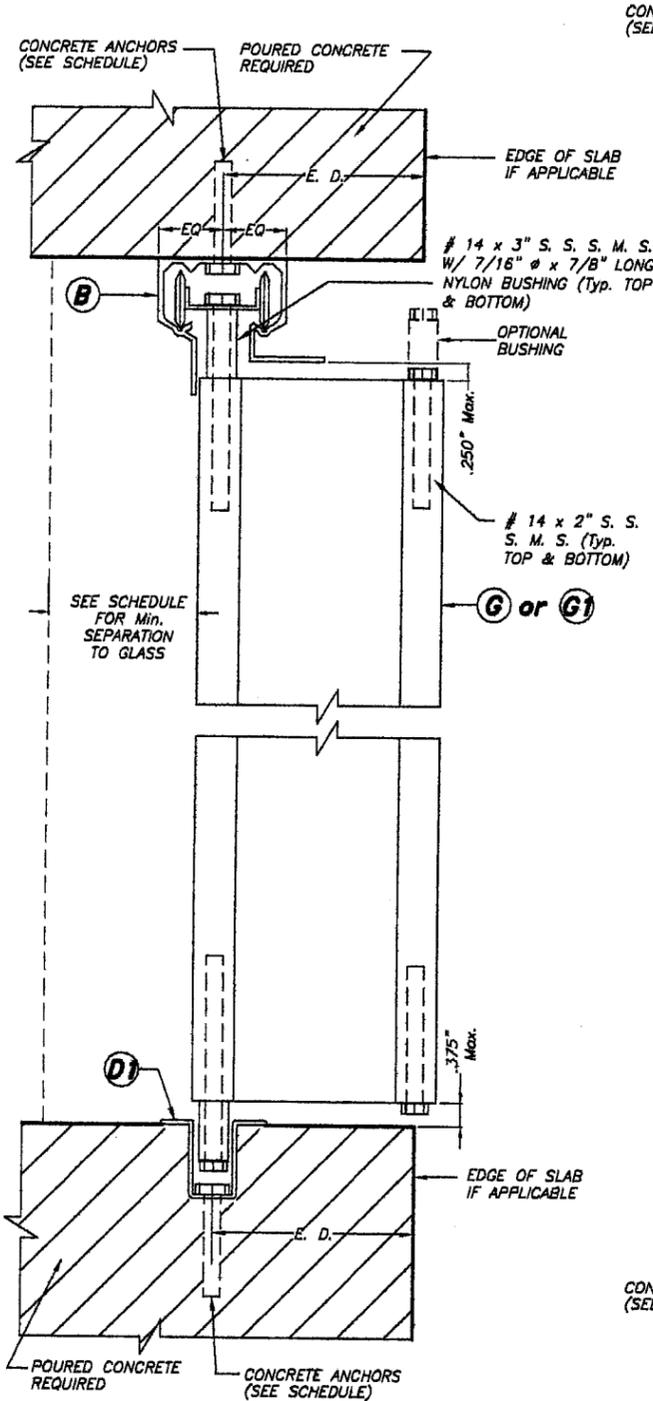
PERFORMANCE SYSTEM 1 ACCORDION SHUTTER			DRAWN BY: S.M.		
PROTECTIVE SHUTTERS MANUFACTURING CO.			1/26/06 DATE		
5712 SW 25th STREET HOLLYWOOD, FL 33023 PH: (954)987-1884 ; FAX: (954)986-5430			06-010		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-
					DRAWING No
					SHEET 1 OF 6



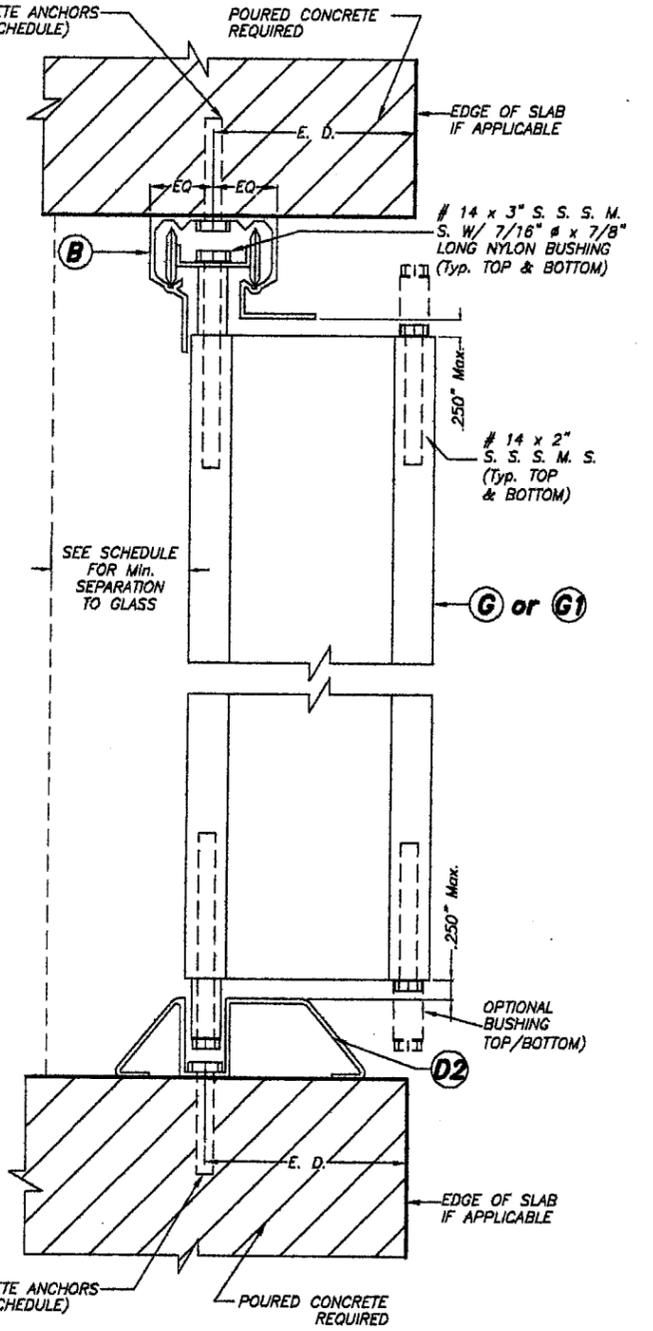
**WALL MOUNTING
INSTALLATION
SECTION A**
SCALE : 3/8" = 1"



**CEILING & FLOOR
MOUNTING INSTALLATION
SECTION B**
SCALE : 3/8" = 1"



**CEILING & FLOOR
MOUNTING INSTALLATION
SECTION B1**
SCALE : 3/8" = 1"



**CEILING & FLOOR
MOUNTING INSTALLATION
SECTION B2**
SCALE : 3/8" = 1"

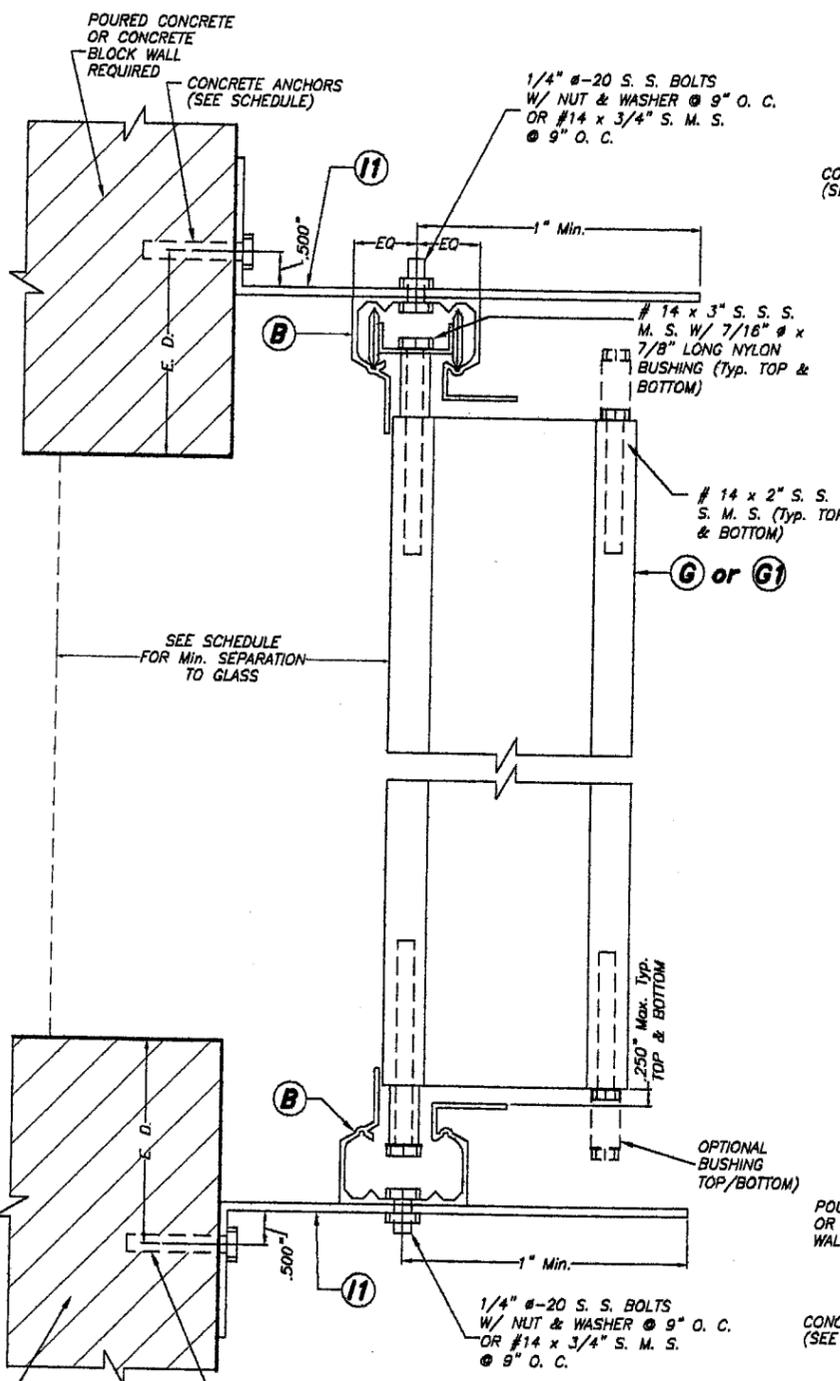
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Date: 06/08/2006
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Miami Dade Product Control Division
By: *Helmut A. Mator*

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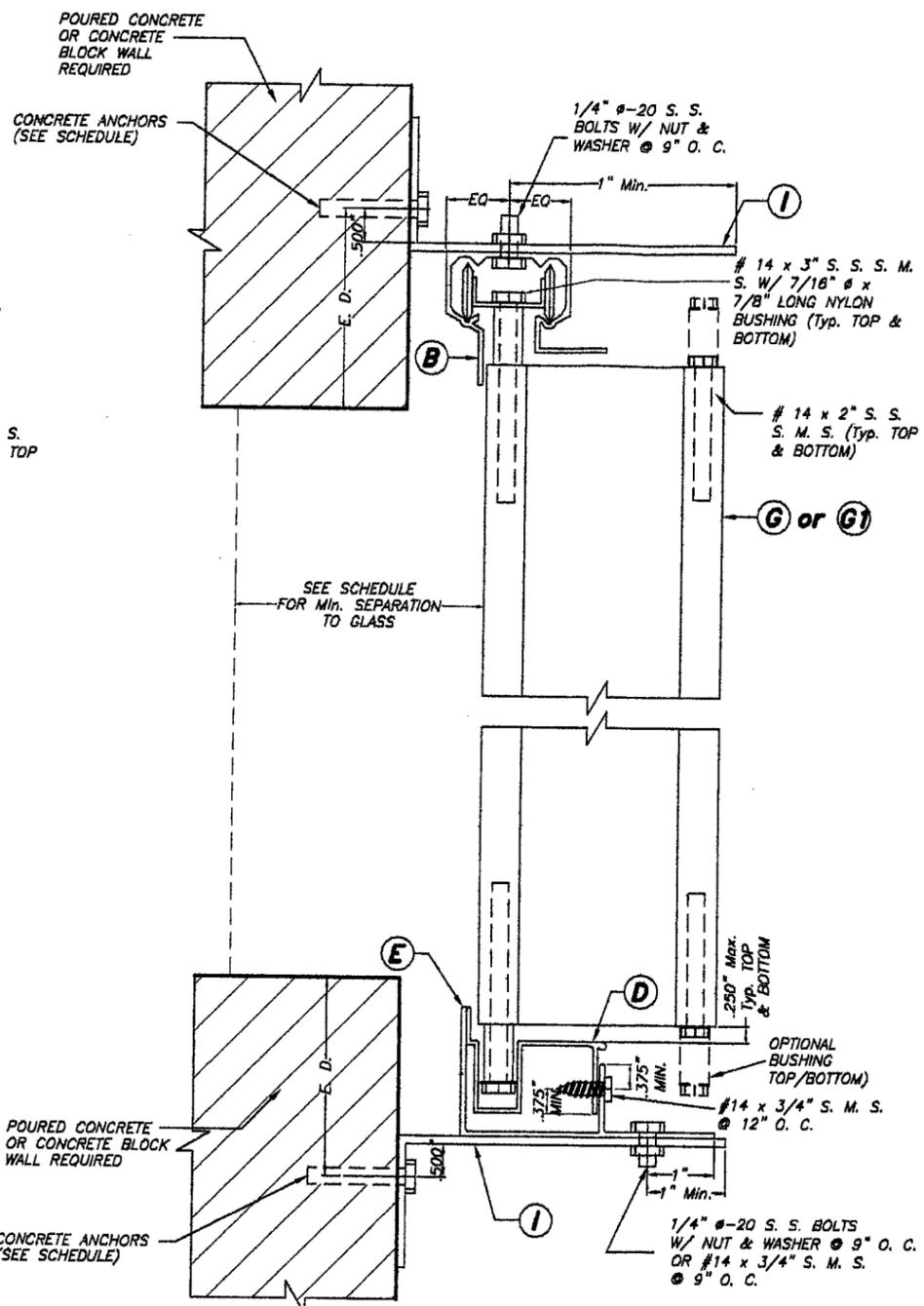
3/2/06

TILECO inc.
TILLIT TESTING & ENGINEERING COMPANY
6395 N.W. 36th St. Ste. 305, VIRGINIA GARDENS, FL 33186
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr. P. E.
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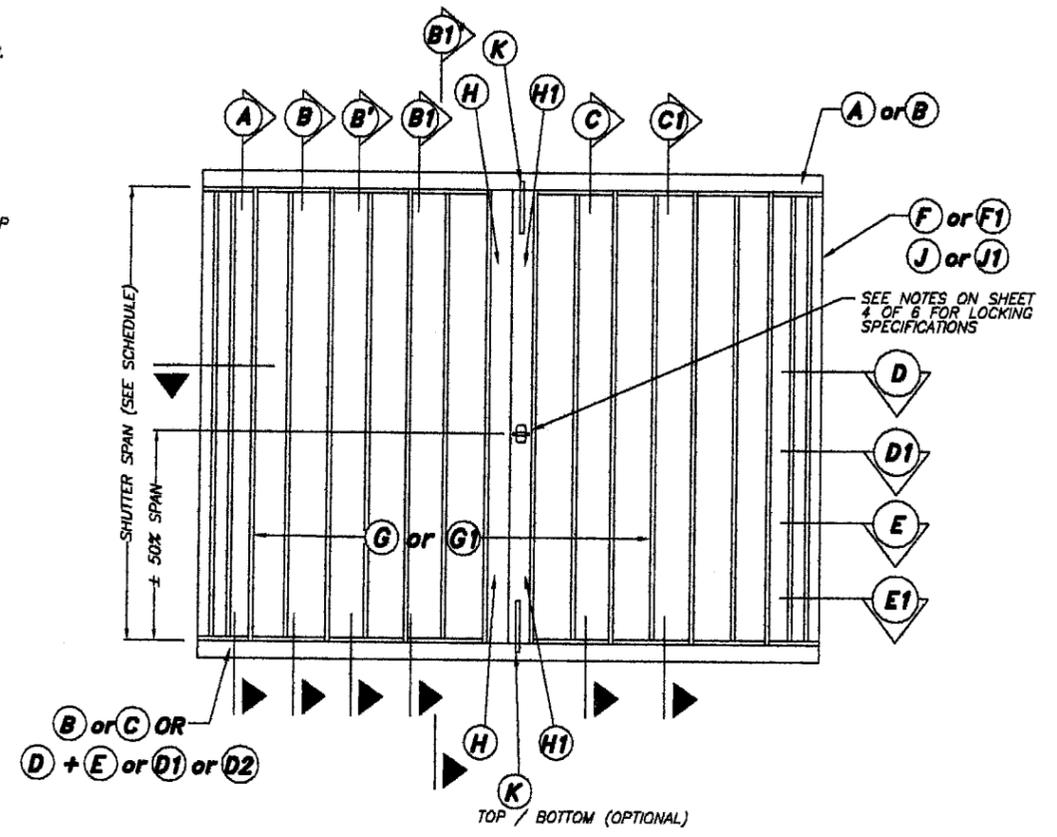
PERFORMANCE SYSTEM 1 ACCORDION SHUTTER						DRAWN BY: S.M.
PROTECTIVE SHUTTERS MANUFACTURING CO.						1/26/06 DATE
5712 SW 25th STREET HOLLYWOOD, FL 33023 PH.: (954)987-1684 ; FAX: (954)986-5430						06-010 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 2 OF 6
1	-	-	2	-	-	
2	-	-	4	-	-	



BUILD-OUT INSTALLATION
- SECTION C
 SCALE : 3/8" = 1"



BUILD-OUT INSTALLATION
- SECTION C1
 SCALE : 3/8" = 1"



TYPICAL ELEVATION
 N. T. S.

Approved as complying with the
 Florida Building Code
 Date: 06/08/2006
 NOA# 06-0503.03
 Miami Dade Product Control
 Division
 By: *Helmut A. M...*

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PERFORMANCE SYSTEM 1 ACCORDION SHUTTER			DRAWN BY: S.M.		
PROTECTIVE SHUTTERS MANUFACTURING CO.			1/26/06 DATE		
5712 SW 25th STREET HOLLYWOOD, FL 33023 PH: (954)987-1684 ; FAX: (954)986-5430			06-010 DRAWING No		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-
SHEET 3 OF 6					

9/2/06

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM SPAN "L" SCHEDULE.

(VALID FOR SECTIONS A, B, B1, B2, C & C1 ON SHEET 2 & 3).

NOTE: DESIGN PRESSURE RATING CORRESPONDS ONLY TO NEGATIVE PRESSURE (SUCTION) LOADS, IN ACCORDANCE WITH ASCE 7-98 CRITERIA FOR A GIVEN OPENING, IF NEGATIVE PRESSURE VALUES COMPLY WITH THE REQUIRED PRESSURE FOR THE OPENING, THE POSITIVE PRESSURE WILL AUTOMATICALLY QUALIFY AND NEED NOT TO BE CHECKED.

MAXIMUM DESIGN LOAD "W" (p.s.f.)	MAXIMUM SHUTTER SPAN FOR SECTIONS "L" (ft.)		MINIMUM SEPARATION TO GLASS (in.)	
	B, B1, B2 C & C1	A	*	**
40	14'-1"	12'-5"	3"	3"
45	13'-8"	11'-8"	3"	3"
50	13'-0"	11'-1"	3"	3"
55	12'-5"	10'-7"	2 3/4"	2 1/2"
60	11'-10"	10'-1"	2 3/4"	2 1/2"
65	11'-5"	9'-9"	2 3/4"	2 1/2"
70	11'-0"	9'-4"	2 3/4"	2 1/2"
75	10'-7"	9'-1"	2 3/4"	2 1/2"
80	10'-3"	8'-9"	2 3/4"	2 1/2"
85	10'-0"	8'-6"	2 3/4"	2 1/2"
90	9'-8"	8'-3"	2 3/4"	2 1/2"
95	9'-5"	8'-0"	2 3/4"	2 1/2"
100	9'-2"	7'-8"	2 3/4"	2 1/2"
105	9'-0"	7'-4"	2 3/4"	2"
110	8'-9"	7'-0"	2 3/4"	2"
115	8'-7"	6'-8"	2 3/4"	2"
120	8'-5"	6'-5"	2 3/4"	2"
125	8'-3"	6'-2"	2 3/4"	2"
130	8'-1"	5'-11"	2 3/4"	2"
135	7'-10"	5'-8"	2 1/4"	2"
140	7'-6"	5'-6"	2 1/4"	2"
145	7'-3"	5'-4"	2 1/4"	2"
150	7'-0"	5'-1"	2 1/4"	2"
155	6'-10"	4'-11"	2 1/4"	2"
160	6'-7"	4'-10"	2 1/4"	2"
165	6'-5"	4'-8"	2 1/4"	2"
170	6'-2"	4'-6"	2 1/4"	2"
175	6'-0"	4'-5"	2 1/4"	2"
180	5'-10"	4'-3"	2 1/4"	2"
185	5'-8"	4'-2"	2 1/4"	2"
190	5'-7"	4'-1"	2 1/4"	2"
195	5'-5"	3'-11"	2 1/4"	2"
200	5'-3"	3'-10"	2 1/4"	2"
205	5'-2"	3'-9"	2 1/4"	2"
210	5'-0"	3'-8"	2 1/4"	2"
215	4'-11"	3'-7"	2 1/4"	2"
220	4'-9"	3'-6"	2 1/4"	2"
225	4'-8"	3'-5"	2 1/4"	2"
230	4'-7"	3'-4"	2 1/4"	2"

* FOR SHUTTERS INSTALLED WITHIN THE FIRST 30'-0" ELEVATION OF BUILDING MEASURED AT BOTTOM OF SHUTTER.
 ** FOR SHUTTERS INSTALLED ABOVE 30'-0" ELEVATION OF BUILDING, MEASURED AT BOTTOM OF SHUTTER.

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +
 (VALID FOR SECTION A ON SHEET 2).

MAXIMUM DESIGN LOAD "W" (p.s.f.)	WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO CONCRETE)			WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO MASONRY)		
	SHUTTER SPAN			SHUTTER SPAN		
	5'-0" OR LESS	5'-0" TO 8'-6"	8'-6" TO MAX. ALLOWED	5'-0" OR LESS	5'-0" TO 8'-6"	8'-6" TO MAX. ALLOWED
FROM 40.0 TO 60.0	9	9	9	9	8	4.5
FROM 60.0 TO 75.0	9	9	9	9	9	6.5
FROM 75.0 TO 90.0	9	9	9	9	9	9
FROM 90.0 TO 120.0	9	9	9	9	4	3
FROM 120.0 TO 170.0	9	9	9	9	5.5	5
FROM 170.0 TO 230.0	9	9	9	9	8.5	6.5
FROM 230.0 TO 300.0	9	8.5	8.5	9	-	-
FROM 300.0 TO 400.0	9	8.5	8.5	9	4	4
FROM 400.0 TO 500.0	9	9	9	9	5.5	5.5
FROM 500.0 TO 600.0	9	7.5	7.5	4.5	-	-
FROM 600.0 TO 700.0	9	7.5	7.5	6.5	3.5	-
FROM 700.0 TO 800.0	9	9	9	9	5	-
FROM 800.0 TO 900.0	8	8	-	-	-	-
FROM 900.0 TO 1000.0	8	8	-	3.5	3.5	-
FROM 1000.0 TO 1100.0	9	9	-	5	5	-
FROM 1100.0 TO 1200.0	8	8	-	-	-	-
FROM 1200.0 TO 1300.0	8	8	-	3.5	3.5	-
FROM 1300.0 TO 1400.0	9	9	-	5	5	-

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +
 (VALID FOR SECTIONS C1 ON SHEET 3).

MAXIMUM DESIGN LOAD "W" (p.s.f.)	WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO CONCRETE)			WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO MASONRY)		
	SHUTTER SPAN			SHUTTER SPAN		
	5'-0" OR LESS	5'-0" TO 8'-6"	8'-6" TO MAX. ALLOWED	5'-0" OR LESS	5'-0" TO 8'-6"	8'-6" TO MAX. ALLOWED
FROM 40.0 TO 60.0	9	9	9	9	9	4.5
FROM 60.0 TO 75.0	9	9	9	9	9	6.5
FROM 75.0 TO 90.0	9	9	9	9	9	9
FROM 90.0 TO 120.0	9	9	9	9	6	3.5
FROM 120.0 TO 170.0	9	9	9	9	8.5	5.5
FROM 170.0 TO 230.0	9	9	9	9	9	7.5
FROM 230.0 TO 300.0	9	9	9	9	4	3
FROM 300.0 TO 400.0	9	9	9	9	5.5	4.5
FROM 400.0 TO 500.0	9	9	9	9	9	6.5
FROM 500.0 TO 600.0	9	7.5	7.5	7	-	-
FROM 600.0 TO 700.0	9	7.5	7.5	9	3.5	3.5
FROM 700.0 TO 800.0	9	9	9	9	5	5
FROM 800.0 TO 900.0	9	7	-	3	-	-
FROM 900.0 TO 1000.0	9	7	-	4.5	3	-
FROM 1000.0 TO 1100.0	9	9	-	6.5	4.5	-
FROM 1100.0 TO 1200.0	7	7	-	-	-	-
FROM 1200.0 TO 1300.0	7	7	-	3	3	-
FROM 1300.0 TO 1400.0	9	9	-	4.5	4.5	-

+ MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2", REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE : Min. E. D. FOR CALK-IN ANCHORS IS 2 1/2"). FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE AT ANCHORS LEGEND.

ACTUAL E. D.	FACTOR
3"	.86
2 1/2"	.75
2"	.50

[Handwritten Signature]
 3/2/06

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +
 (VALID FOR SECTIONS B, B1, B2 ON SHEET 2).

MAXIMUM DESIGN LOAD "W" (p.s.f.)	FLOOR/CEILING MOUNTING INSTALLATION AT TOP OR BOTTOM (TO CONCRETE)		
	SHUTTER SPAN		
	5'-0" OR LESS	5'-0" TO 8'-6"	8'-6" TO MAX. ALLOWED
FROM 40.0 TO 60.0	9	9	8.5
FROM 60.0 TO 75.0	9	9	9
FROM 75.0 TO 90.0	9	9	9
FROM 90.0 TO 120.0	9	9	9
FROM 120.0 TO 170.0	9	8	7
FROM 170.0 TO 230.0	9	8.5	7.5
FROM 230.0 TO 300.0	9	9	9
FROM 300.0 TO 400.0	9	6	6
FROM 400.0 TO 500.0	9	6.5	6.5
FROM 500.0 TO 600.0	9	9	9
FROM 600.0 TO 700.0	7.5	6	-
FROM 700.0 TO 800.0	7.5	6	-
FROM 800.0 TO 900.0	9	8.5	-
FROM 900.0 TO 1000.0	6	6	-
FROM 1000.0 TO 1100.0	6	6	-
FROM 1100.0 TO 1200.0	8.5	8.5	-

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +
 (VALID FOR SECTION C ON SHEET 3).

MAXIMUM DESIGN LOAD "W" (p.s.f.)	WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO CONCRETE)			WALL MOUNTING INSTALLATION AT TOP OR BOTTOM (TO MASONRY)		
	SHUTTER SPAN			SHUTTER SPAN		
	5'-0" OR LESS	5'-0" TO 8'-6"	8'-6" TO MAX. ALLOWED	5'-0" OR LESS	5'-0" TO 8'-6"	8'-6" TO MAX. ALLOWED
FROM 40.0 TO 60.0	9	9	9	9	9	6.5
FROM 60.0 TO 75.0	9	9	9	9	9	9
FROM 75.0 TO 90.0	9	9	9	9	9	9
FROM 90.0 TO 120.0	9	9	9	9	7.5	6
FROM 120.0 TO 170.0	9	9	9	9	9	8.5
FROM 170.0 TO 230.0	9	9	9	9	9	9
FROM 230.0 TO 300.0	9	9	9	9	6	5.5
FROM 300.0 TO 400.0	9	9	9	9	9	8
FROM 400.0 TO 500.0	9	9	9	9	9	9
FROM 500.0 TO 600.0	9	9	9	8	4.5	4.5
FROM 600.0 TO 700.0	9	9	9	9	7	7
FROM 700.0 TO 800.0	9	9	9	9	9	9
FROM 800.0 TO 900.0	9	9	9	9	9	9
FROM 900.0 TO 1000.0	9	9	9	9	9	9
FROM 1000.0 TO 1100.0	9	9	9	9	9	9
FROM 1100.0 TO 1200.0	9	9	9	9	9	9
FROM 1200.0 TO 1300.0	9	9	9	9	9	9
FROM 1300.0 TO 1400.0	9	9	9	9	9	9
FROM 1400.0 TO 1500.0	9	9	9	9	9	9
FROM 1500.0 TO 1600.0	9	9	9	9	9	9
FROM 1600.0 TO 1700.0	9	9	9	9	9	9
FROM 1700.0 TO 1800.0	9	9	9	9	9	9
FROM 1800.0 TO 1900.0	9	9	9	9	9	9
FROM 1900.0 TO 2000.0	9	9	9	9	9	9
FROM 2000.0 TO 2100.0	9	9	9	9	9	9
FROM 2100.0 TO 2200.0	9	9	9	9	9	9
FROM 2200.0 TO 2300.0	9	9	9	9	9	9
FROM 2300.0 TO 2400.0	9	9	9	9	9	9
FROM 2400.0 TO 2500.0	9	9	9	9	9	9
FROM 2500.0 TO 2600.0	9	9	9	9	9	9
FROM 2600.0 TO 2700.0	9	9	9	9	9	9
FROM 2700.0 TO 2800.0	9	9	9	9	9	9
FROM 2800.0 TO 2900.0	9	9	9	9	9	9
FROM 2900.0 TO 3000.0	9	9	9	9	9	9

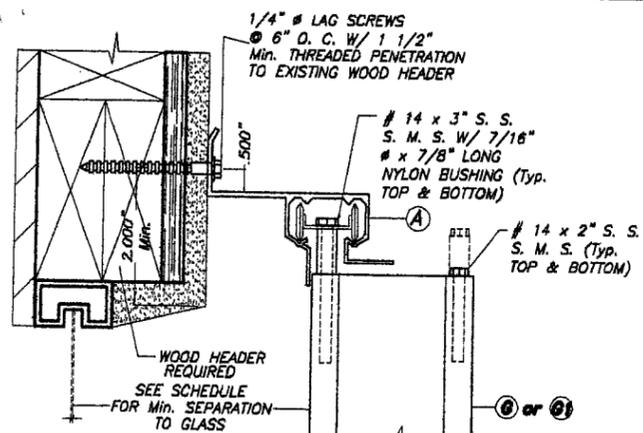
ANCHORS LEGEND

ANCHORS TYPE	ANCHOR MIN. SPACING	TAPCON OR MAXI-SET TAPCONS CALK-IN	CRETE-FLEX SS4
TAPCON OR MAXI-SET TAPCONS	3.0"		
CALK-IN 3000 psi. (MIN.) CONCRETE	2.5"		
CRETE-FLEX SS4 3350 psi. (MIN.) CONCRETE	3.0"		

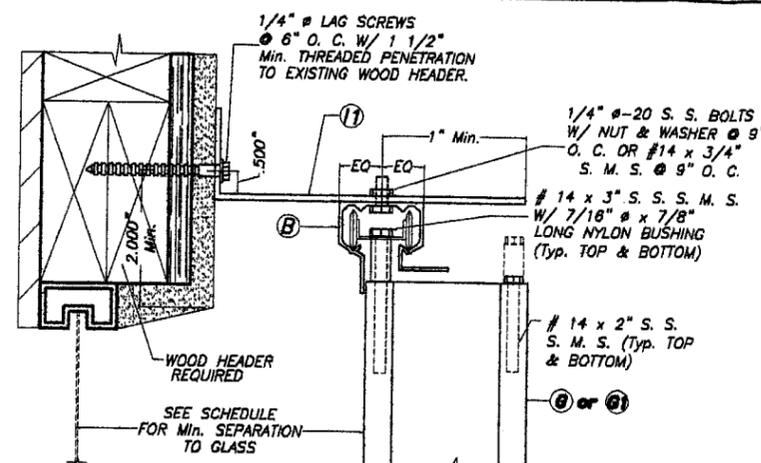
Approved as complying with the Florida Building Code
 Date: 06/08/2006
 NOA#: 06-0563.03
 Miami Dade Product Control Division
 By: *[Handwritten Signature]*

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

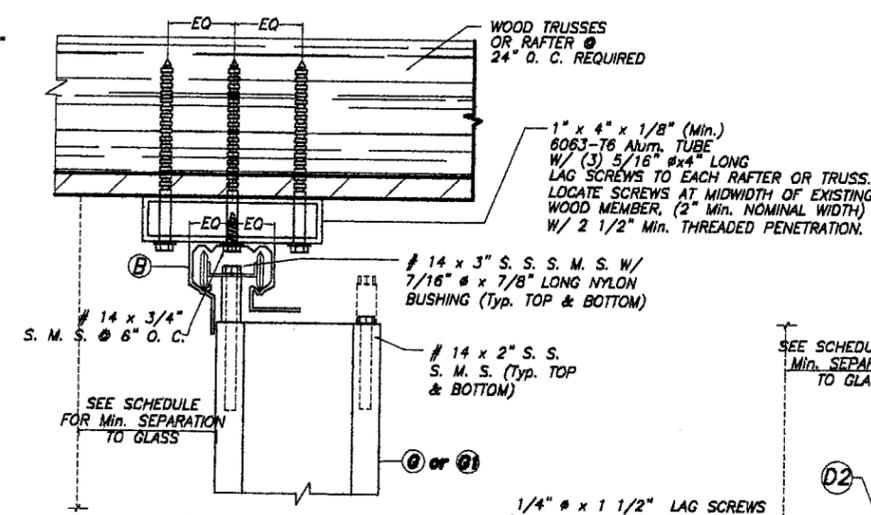
 TILECO Inc. TILLIT TESTING & ENGINEERING COMPANY 8335 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33188 Phone: (305)871-1230 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT, Jr., P. E. FLORIDA Lic. # 44167		PERFORMANCE SYSTEM 1 ACCORDION SHUTTER PROTECTIVE SHUTTERS MANUFACTURING CO. 5712 SW 25th STREET HOLLYWOOD, FL 33023 PH.: (954)987-1684 ; FAX: (954)988-5430		DRAWN BY: S.M. DATE: 1/26/06 DRAWING No: 06-010 SHEET 5 OF 6	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-



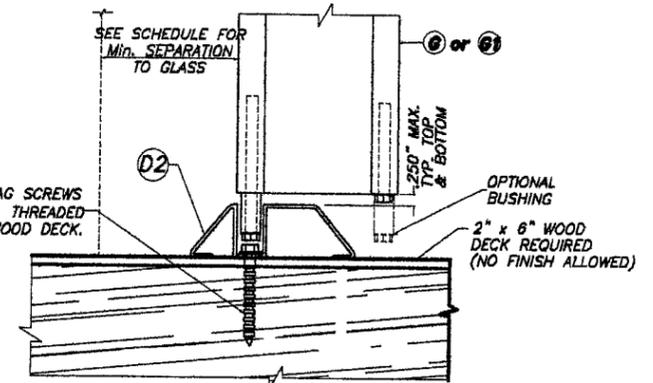
ALTERNATIVE 1



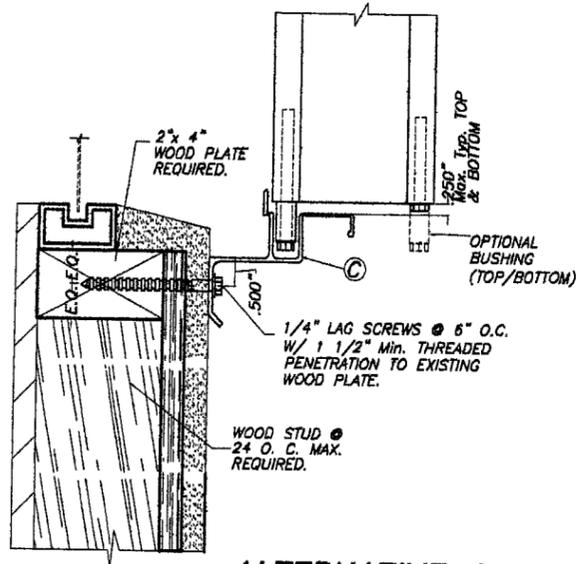
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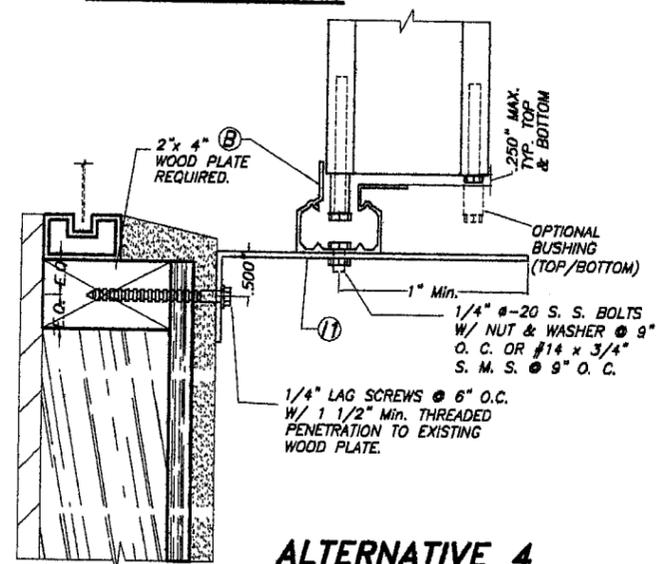
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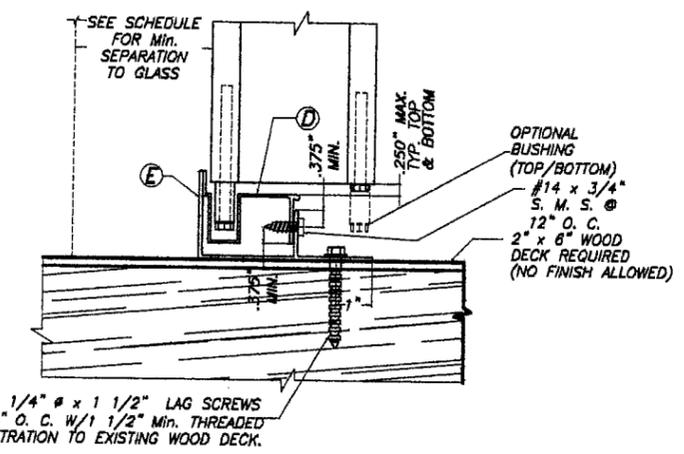
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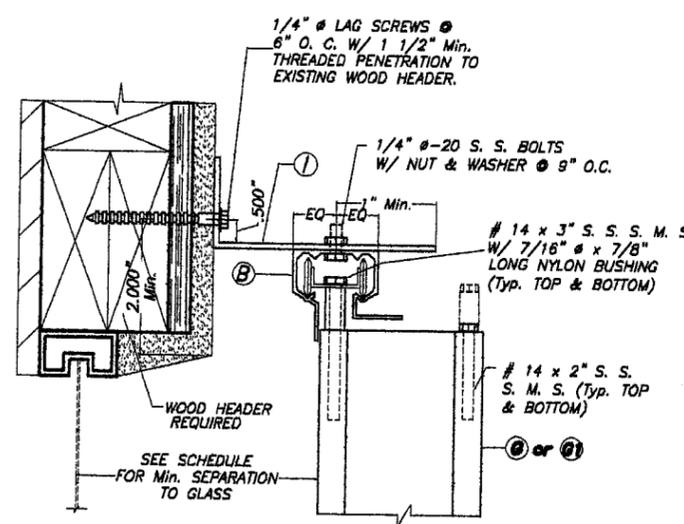
ALTERNATIVE 2



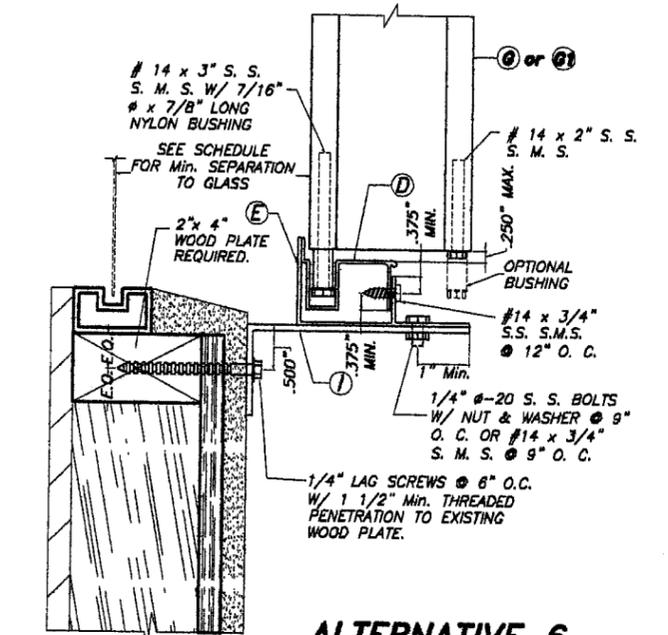
ALTERNATIVE 4



ALTERNATIVE 2



ALTERNATIVE 5



ALTERNATIVE 6

**WALL MOUNTING INSTALLATION (OFFSET)
SECTIONS B**
SCALE: 1/4"=1"

NOTE:
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

- NOTES:**
- INSTALLATIONS ARE ONLY VALID FOR INSTALLATIONS WITH DESIGN WIND LOADS LESS THAN OR EQUAL TO 75 p.s.f. AND 9'-0" Max. SHUTTER SPAN.
 - FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

Approved as complying with the Florida Building Code
Date: 06/08/2006
NOA# 06-0503.03
Miami Dade Product Control
By: *Helmut A. Nelson*

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS
SCALE: 1/4"=1"

 TILECO inc. <small>TILLIT TESTING & ENGINEERING COMPANY</small> <small>6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33188</small> <small>Phone: (305)871-1530 Fax: (305)871-1531</small> <small>EB-0006719</small> <small>WALTER A. TILLIT Jr., P. E.</small> <small>FLORIDA Lic. # 44167</small>		PERFORMANCE SYSTEM 1 ACCORDION SHUTTER	DRAWN BY: S.M.		
		PROTECTIVE SHUTTERS MANUFACTURING CO. <small>5712 SW 25th STREET</small> <small>HOLLYWOOD, FL 33023</small> <small>PH: (954)987-1884 ; FAX: (954)986-5430</small>	1/26/06 DATE		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-
			DRAWING No 06-010		
			SHEET 6 OF 6		