



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)

Rollingshield, Inc.
2500 N.W. 74th Avenue
Miami, Florida 33122

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: HPM A / " Performance system 1 " Aluminum Accordion Shutter

APPROVAL DOCUMENT: Drawing No. 05-120, titled " Performance System 1 Accordion Shutter ", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated June 01, 2005, last revision #1 dated June 01, 2005, signed and sealed by Walter A. Tillit Jr., P.E. bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration 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 **revises NOA # 03-0602.04** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E.**

Helmy A. Makar
 12/15/2005

NOA No 05-0929.01
Expiration Date: 06/25/2006
Approval Date: 12/15/2005
Page 1



Rollingshield, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0502.10

A. DRAWINGS

1. *Drawing No. 01-115, titled " HPMA / Performance System 1 Accordion Shutter", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated April 27, 2001, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *See Association's generic approval number 01-0026.*

C. CALCULATIONS

1. *See Association's generic approval number 01-0026.*

D. MATERIAL CERTIFICATIONS

1. *See Association's generic approval number 01-0026.*

E. STATEMENTS

1. *Release letter issued by the Hurricane Protection Manufacturers Association, dated April 24, 2001, certifying this product to meet the criteria of product tested and approved, and allowing Rollingshield, Inc. to use the test results approved under Miami-Dade County Approval No. 01-0026, signed by Mr. Jeffry T. Robinson.*
2. *Acknowledgment letter by Rollingshield, Inc. dated April 25, 2001, signed by Mr. Jose Antonio Delgado.*
3. *Letter by Tilteco, Inc., dated April 26, 2001, certifying that the drawing (No. 01-115) prepared for Rollingshield, Inc., signed and sealed by Walter A. Tillit Jr., P.E., is engineering wise identical to Hurricane Protection Manufacturers Association, Inc. generic drawing (No. 00-120).*
4. *Acceptance Letter issued to Mr. Jose Antonio Delgado on June 11, 2001, and returned signed by Mr. Jose Antonio Delgado on June 20, 2001, indicating to please issue the proposed Notice of Acceptance as submitted and reviewed.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0602.04

A. DRAWINGS:

1. *Drawing No. 03-115, titled " Performance System 1 Accordion Shutter ", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated May 22, 2003, last revision #1 dated May 22, 2003, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS:

1. *See Association's generic approval number 02-0817.*

C. CALCULATIONS:

1. *See Association's generic approval number 02-0817.*



Helmy A. Makar, P. E.
Product Control Examiner
NOA No 05-0929.01
Expiration Date: 06/25/2006
Approval Date: 12/15/2005

Rollingshield, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY CONTROL

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

E. MATERIAL CERTIFICATION:

1. *See Association's generic approval number 02-0817.*

F. OTHERS

1. *Letter by Tilteco, Inc., dated May 22, 2003, certifying that the only changes added to drawing (No. 03-115) prepared for Rollingshield, Inc., signed and sealed by Walter A. Tillit Jr., P.E., as opposed to drawing #01-115 are on General Note #1, to reference to the Florida Building Code, and to General Note #11, to reference the Florida Board of Engineers Notes.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 05-120, titled " Performance System 1 Accordion Shutter ", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated June 01, 2005, last revision #1 dated June 01, 2005, 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

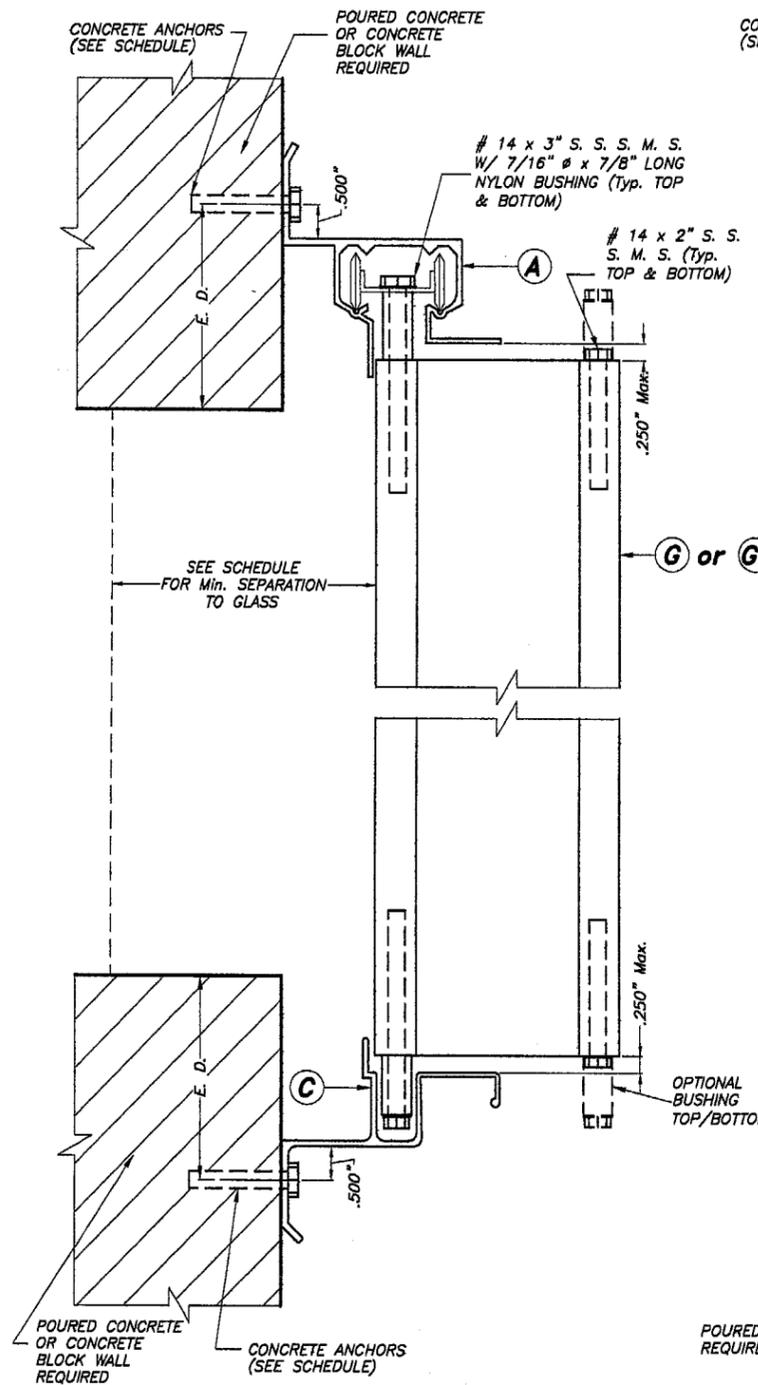
1. *See Association's generic approval under 05-0323.*

F. STATEMENTS

1. *Letter by Tilteco Inc., dated June 09, 2005, signed and sealed by Mr. Walter A. Tillit, Jr., P.E., certifying that the drawing (No. 05-120) prepared for Rollingshield, Inc., is engineering wise identical to HPMA's generic drawing (No. 05-118).*

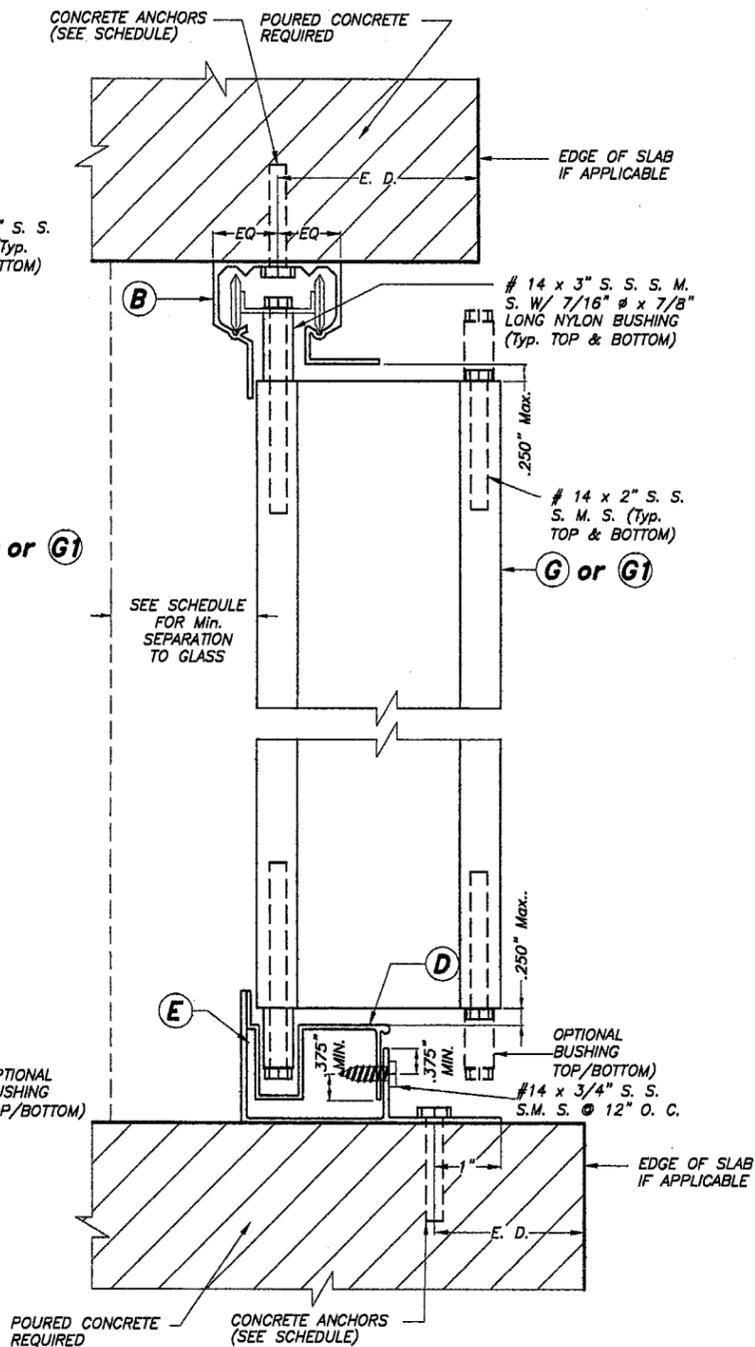


Helmy A. Makar, P. E.
Product Control Examiner
NOA No 05-0929.01
Expiration Date: 06/25/2006
Approval Date: 12/15/2005



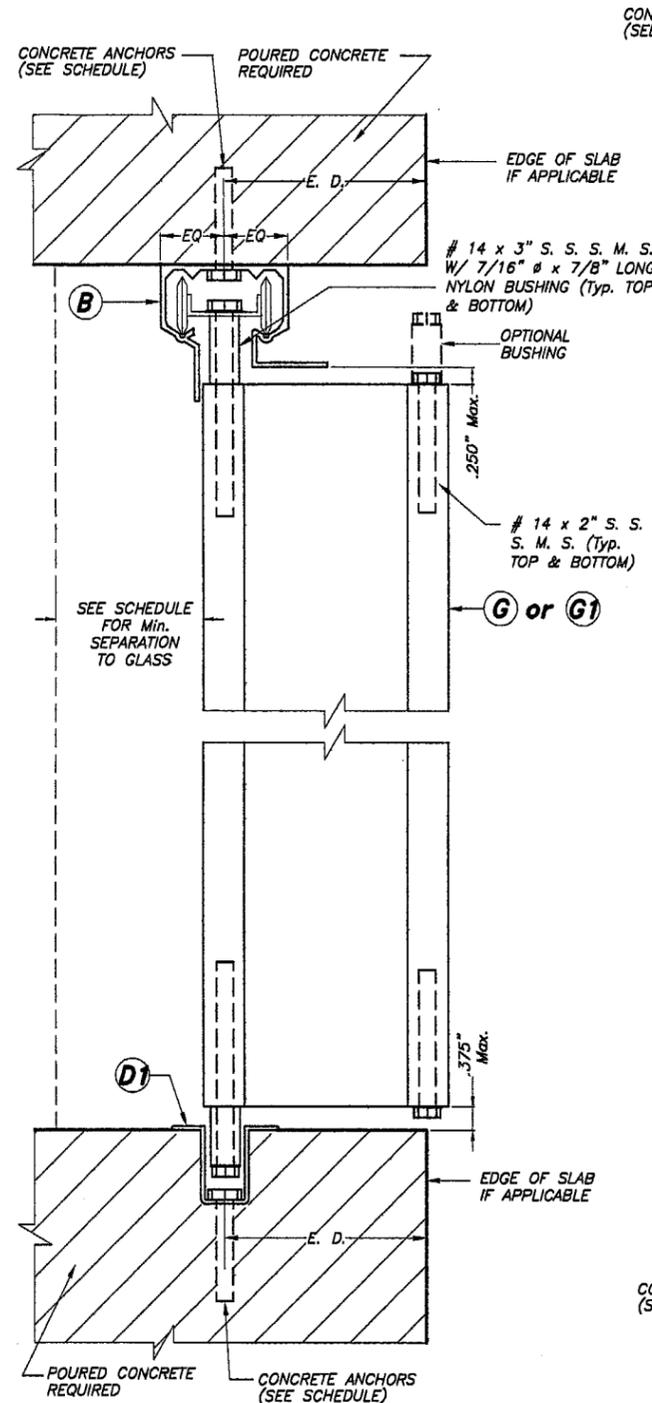
**WALL MOUNTING
INSTALLATION
SECTION A**

SCALE : 3/8" = 1"



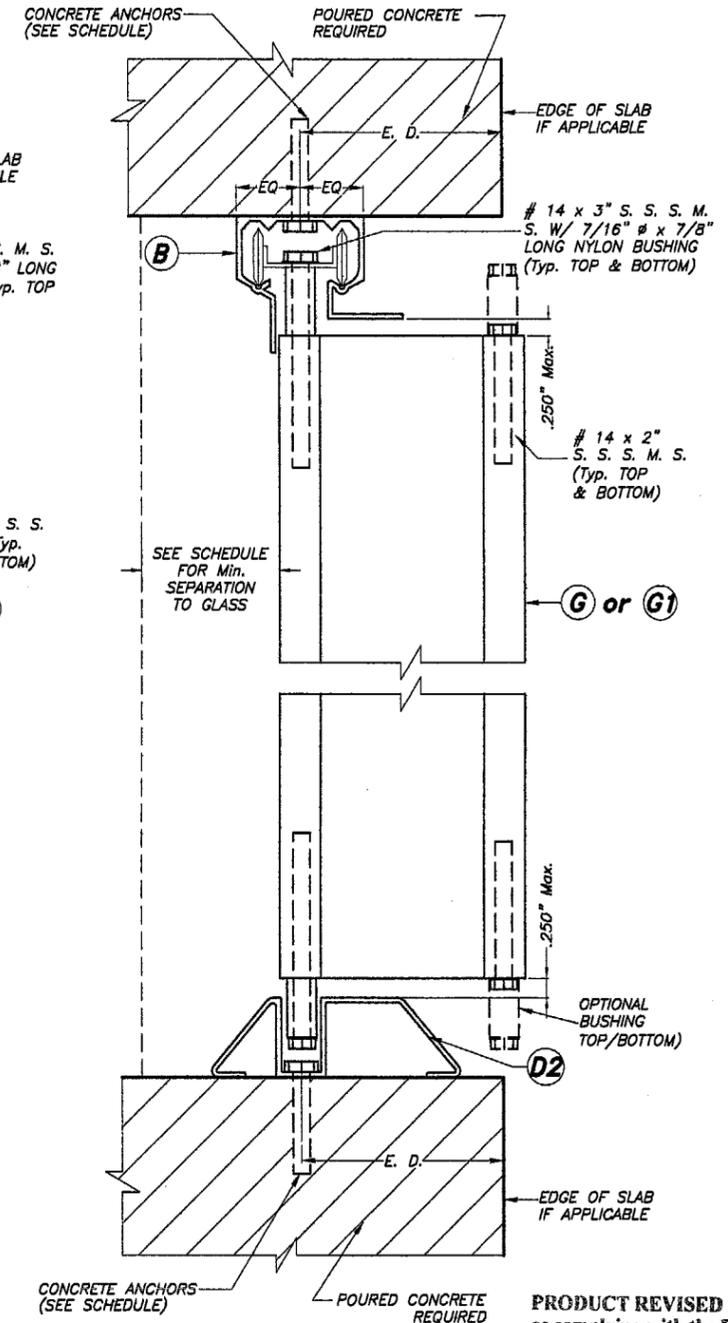
**CEILING & FLOOR
MOUNTING INSTALLATION
SECTION B**

SCALE : 3/8" = 1"



**CEILING & FLOOR
MOUNTING INSTALLATION
SECTION B1**

SCALE : 3/8" = 1"



**CEILING & FLOOR
MOUNTING INSTALLATION
SECTION B2**

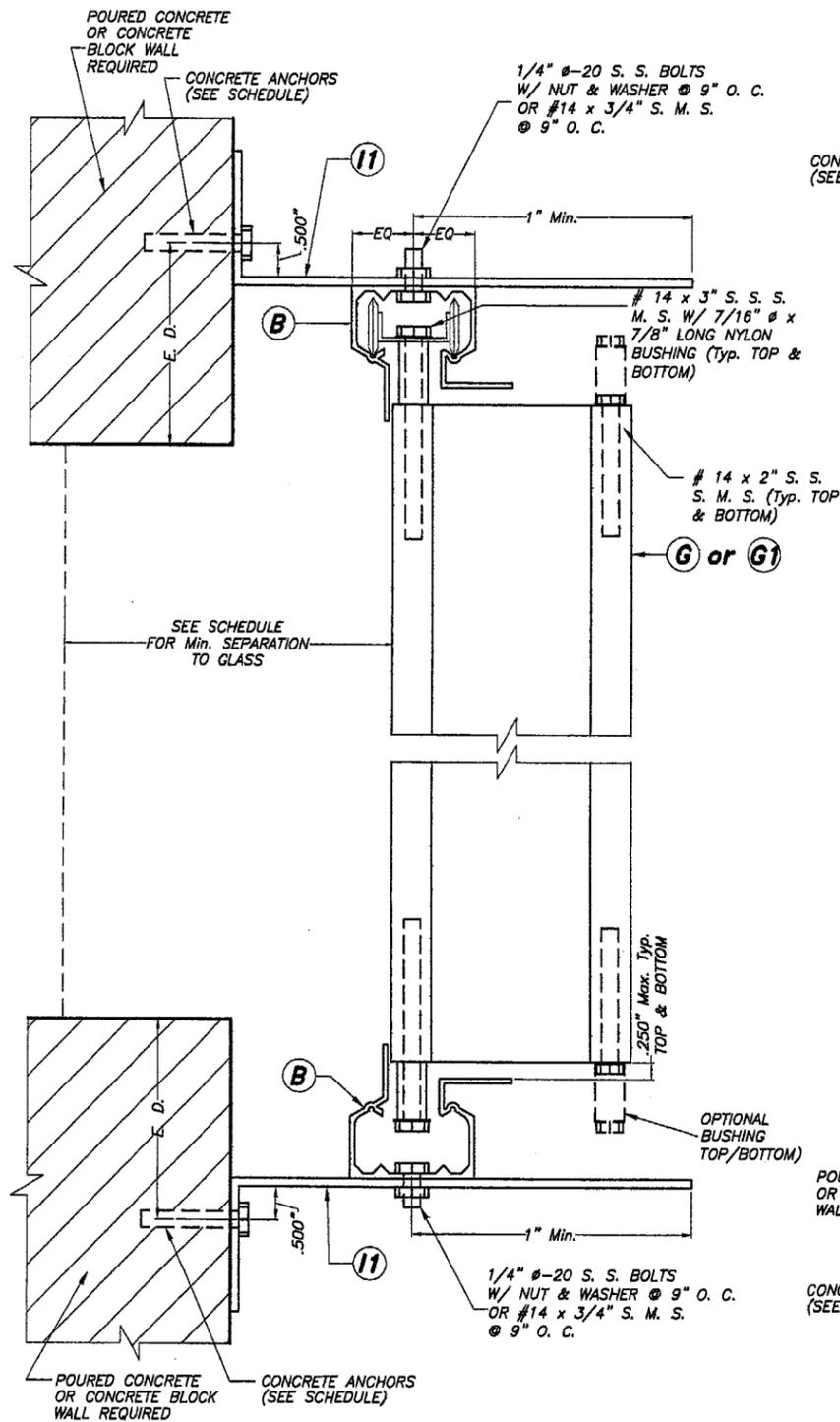
SCALE : 3/8" = 1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-0929.01
Expiration Date 06/15/2006
By *Walter A. Tillit Jr.*
Miami Dade Product Control
Division

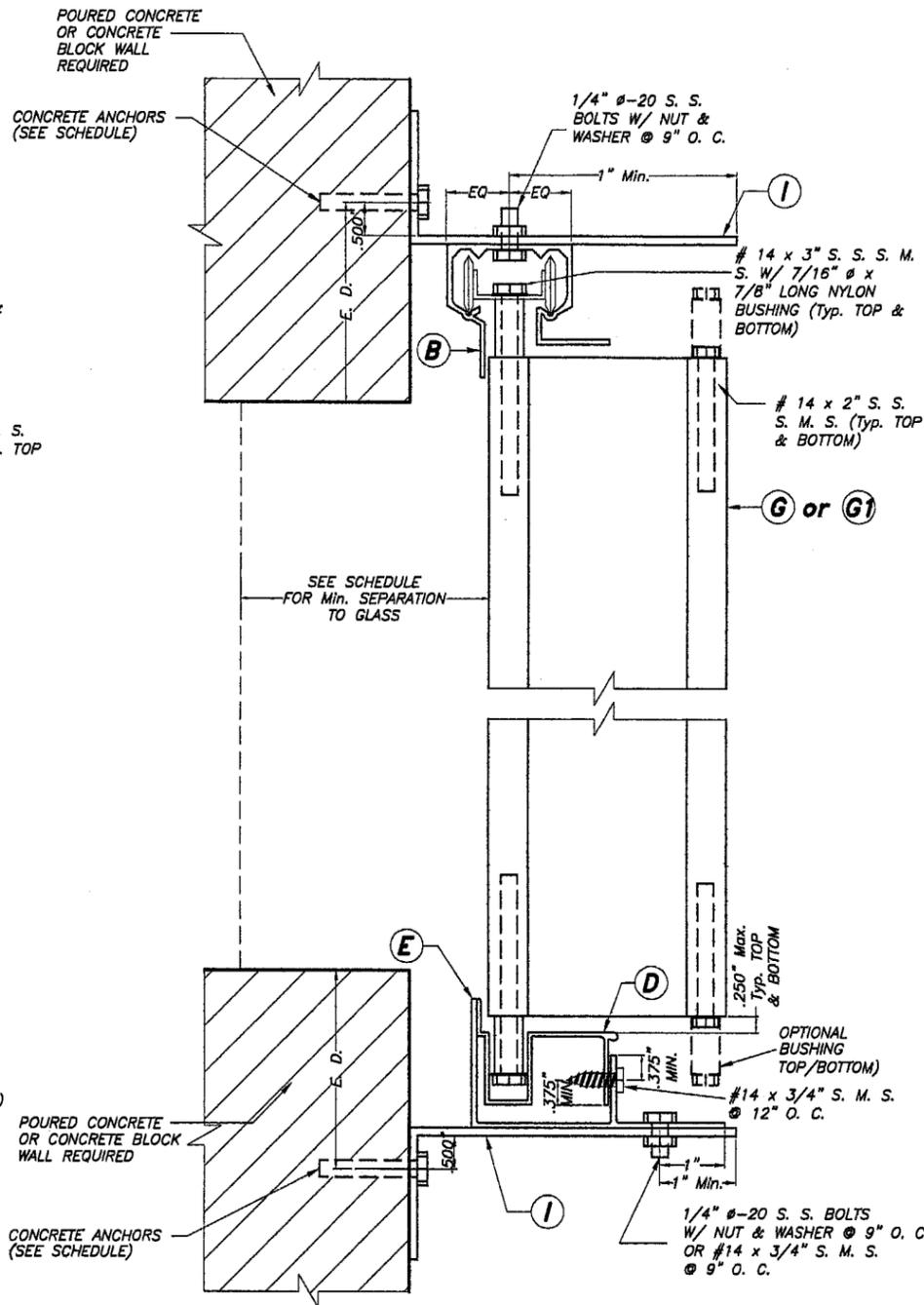
F.B.C. (High Velocity Hurricane Zone)

Walter A. Tillit Jr.
6/1/05

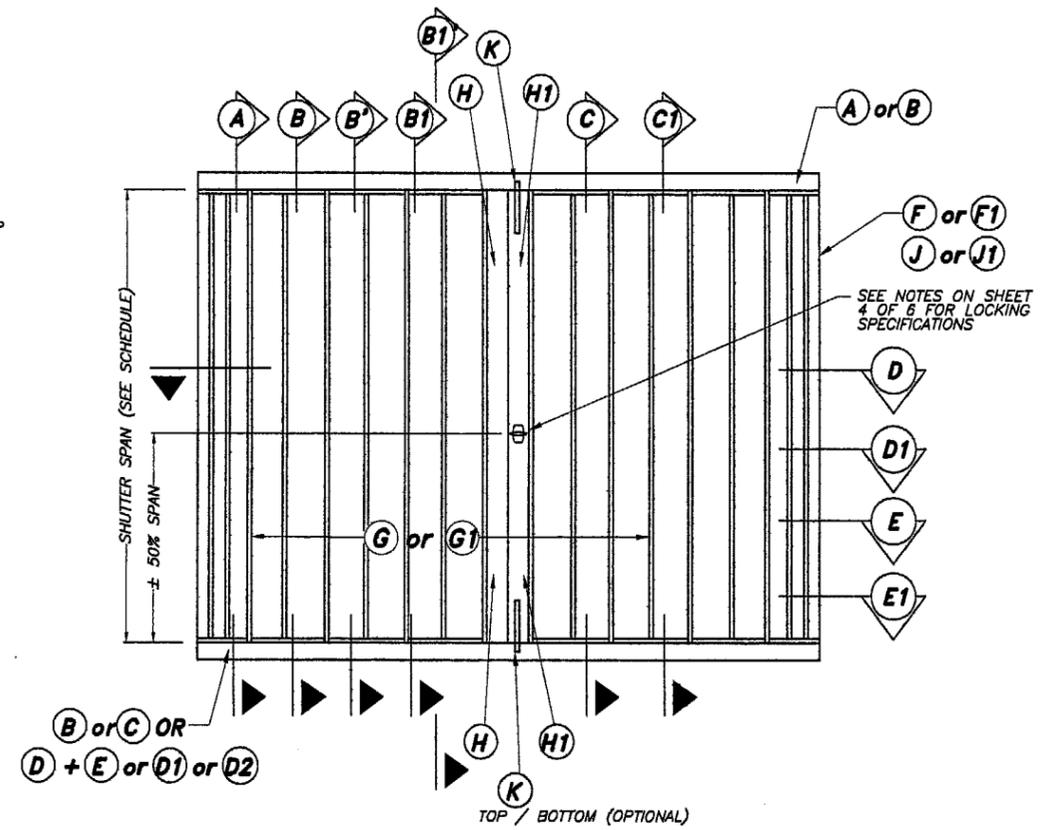
 TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		HPM / PERFORMANCE SYSTEM 1 ACCORDION SHUTTER		DRAWN BY: M.C.V.	
		ROLLINGSHIELD, INC. 2500 N.W. 74th AVENUE MIAMI, FL 33122		6/1/05 DATE	
REV. No 1 DESCRIPTION OLD 03-115 DATE 6/1/05		REV. No 3 DESCRIPTION DATE		05-120 DRAWING No	
REV. No 2 DESCRIPTION DATE		REV. No 4 DESCRIPTION DATE		SHEET 2 OF 6	



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



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



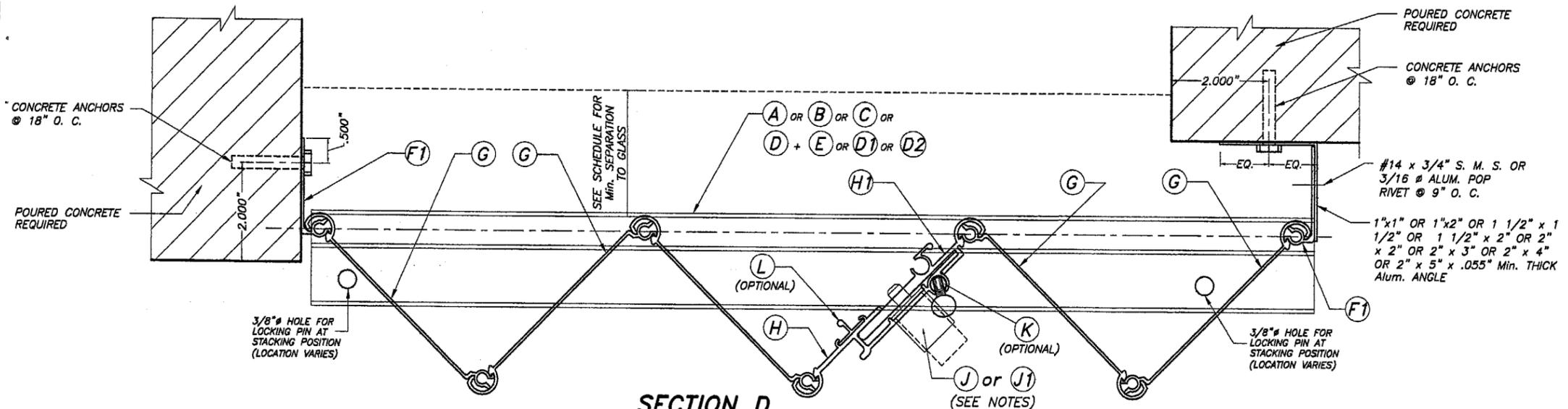
TYPICAL ELEVATION
 N. T. S.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 05-0929.01
 Expiration Date 6/25/2006
 By *Helmut A. Tillit*
 Miami Dade Product Control
 Division

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

Handwritten signature and date: 5/1/05

 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		HPMA / PERFORMANCE SYSTEM 1 ACCORDION SHUTTER		DRAWN BY: M.C.V.	
		ROLLINGSHIELD, INC. 2500 N.W. 74th AVENUE MIAMI, FL 33122		6/1/05 DATE	
		05-120 DRAWING No		SHEET 3 OF 6	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 03-115	6/1/05	3		
2			4		



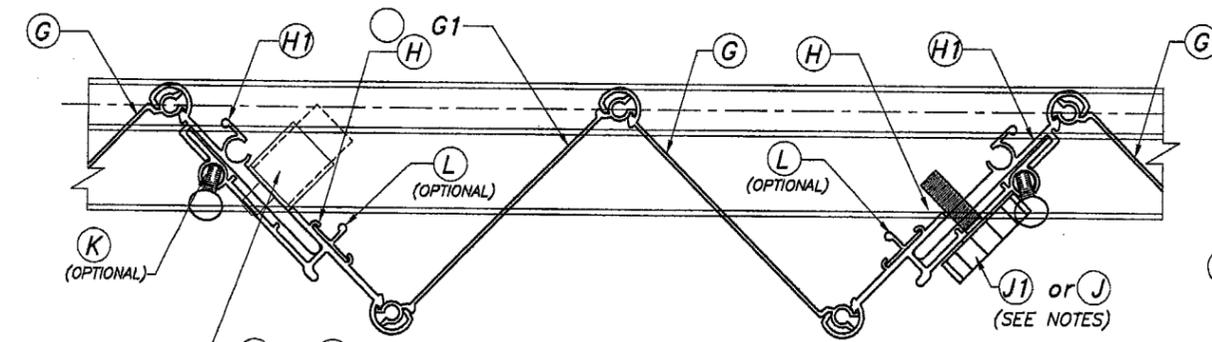
SECTION D

SCALE : 3/8" = 1"

NOTES FOR LOCKING OF (H) & (H1)

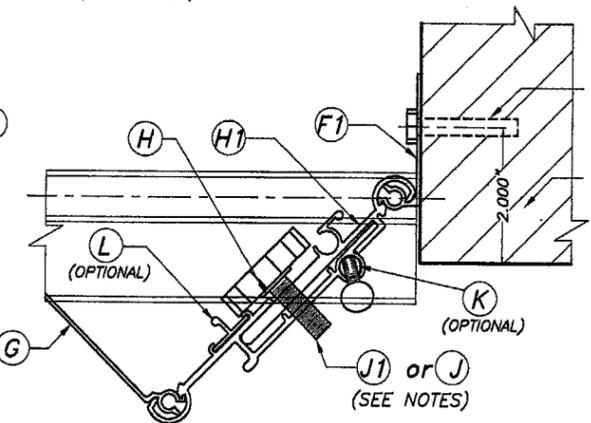
1-PUSH BOTTOM LOCK (J) MAY BE USED FOR INSTALLATIONS SECURED FROM THE OUTSIDE OR INSIDE OF SHUTTER. WHEN INSTALLING (J) FROM THE OUTSIDE, A 7/8" HOLE SHALL BE DRILLED AT (H) AND (J) MUST BE RIVETED FROM THE BACK OF (H) TO THE FRONT W/ (2) 3/16" ALUM. POP RIVETS. A 3/8" HOLE MUST THEN BE DRILLED AT (H1) TO ALLOW FOR (J)'S PIN TO PASS THRU. WHEN INSTALLING (J) FROM THE INSIDE, (J) MUST BE RIVETED TO (H1) W/ (2) 3/16" ALUM. POP RIVETS. A 3/8" HOLE MUST THEN BE DRILLED THRU (H) AND (H1) TO ALLOW FOR (J)'S PIN TO PASS THRU.

2-5/16"x1" LOCK (J1) MAY BE USED ALTERNATIVELY TO (J) LOCK FOR INSTALLATIONS SECURED FROM THE OUTSIDE OR INSIDE OF SHUTTER. IN THIS CASE, A 5/16" HOLE SHALL BE DRILLED THRU (H) AND (H1). HOLE DRILLED TO (H1) SHALL BE TAPPED TO ACCEPT 18 THREADS PER INCH MACHINE SCREW.



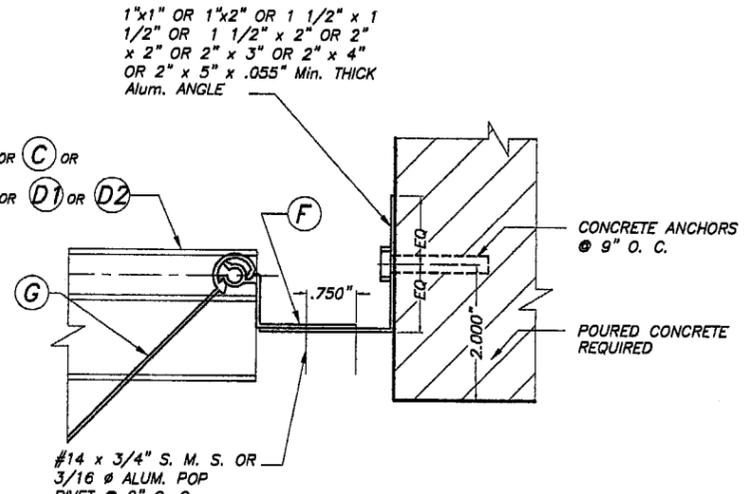
SECTION D1 (& MULTIPLE SHUTTERS)

SCALE : 3/8" = 1"



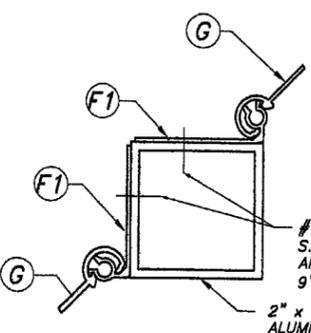
ONE SIDED SECTION : END CONNECTION DETAIL

SCALE : 3/8" = 1"



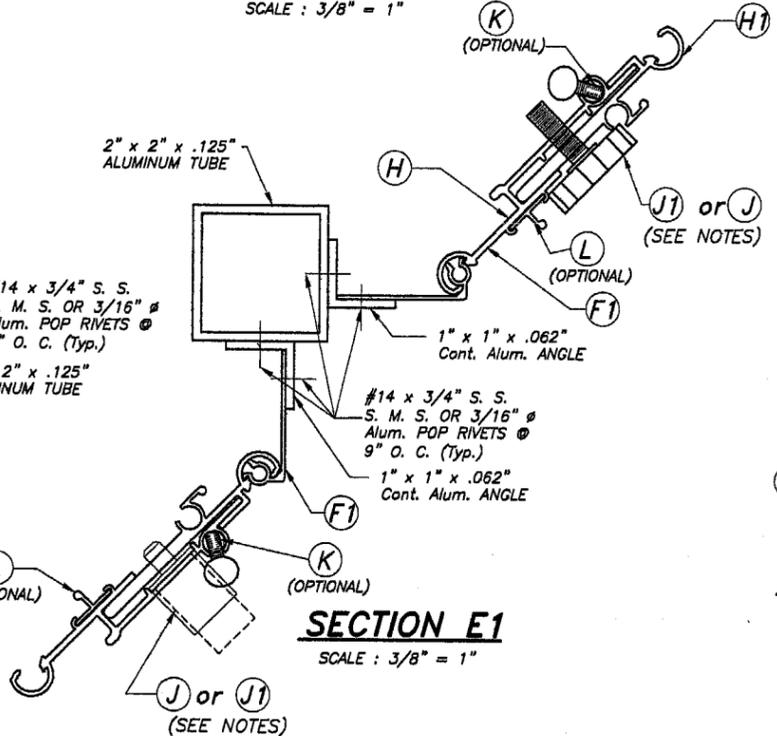
ALTERNATE CLOSURE DETAIL W / (F)

SCALE : 3/8" = 1"



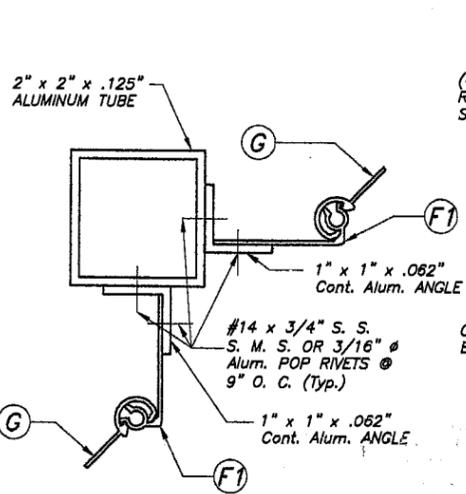
SECTION E

SCALE : 3/8" = 1"



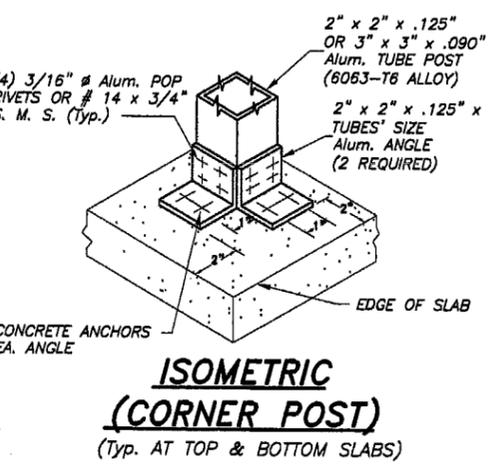
SECTION E1

SCALE : 3/8" = 1"



SECTION E2

SCALE : 3/8" = 1"



ISOMETRIC (CORNER POST)

(Typ. AT TOP & BOTTOM SLABS)

NOTE :
SECTIONS SHOWN CAN BE COMBINED TO SUIT ANY INSTALLATION.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 05-0929.01
Expiration Date 06/25/2006
By *Helmut A. Miller*
Miami Data Product Control Division

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

<p>TILECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167</p>		HPM / PERFORMANCE SYSTEM 1 ACCORDION SHUTTER		DRAWN BY: M.C.V.	
		ROLLINGSHIELD, INC. 2500 N.W. 74th AVENUE MIAMI, FL 33122		6/1/05 DATE	
05-120		DRAWING No		SHEET 4 OF 6	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 03-115	6/1/05	3		
2			4		

3/1/05

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"

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
	9	9	9	9	9	6.5
	9	9	9	9	9	9
FROM >60.0 TO 75.0	9	9	9	9	4	3
	9	9	9	9	5.5	5
	9	9	9	9	8.5	6.5
FROM >75.0 TO 90.0	9	8.5	8.5	9	-	-
	9	8.5	8.5	9	4	4
	9	9	9	9	5.5	5.5
FROM >90.0 TO 120.0	9	7.5	7.5	4.5	-	-
	9	7.5	7.5	6.5	3.5	-
	9	9	9	9	5	-
FROM >120.0 TO 170.0	8	8	-	-	-	-
	8	8	-	3.5	3.5	-
	9	9	-	5	5	-
FROM >170.0 TO 230.0	8	8	-	-	-	-
	8	8	-	3.5	3.5	-
	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
	9	9	9	9	9	6.5
	9	9	9	9	9	9
FROM >60.0 TO 75.0	9	9	9	9	6	3.5
	9	9	9	9	8.5	5.5
	9	9	9	9	9	7.5
FROM >75.0 TO 90.0	9	9	9	9	4	3
	9	9	9	9	5.5	4.5
	9	9	9	9	9	6.5
FROM >90.0 TO 120.0	9	7.5	7.5	7	-	-
	9	7.5	7.5	9	3.5	3.5
	9	9	9	9	5	5
FROM >120.0 TO 170.0	9	7	-	3	-	-
	9	7	-	4.5	3	-
	9	9	-	6.5	4.5	-
FROM >170.0 TO 230.0	7	7	-	-	-	-
	7	7	-	3	3	-
	9	9	-	4.5	4.5	-

* 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 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
	9	9	9
	9	9	9
FROM >60.0 TO 75.0	9	9	8
	9	9	8
	9	9	9
FROM >75.0 TO 90.0	9	8	7
	9	8.5	7.5
	9	9	9
FROM >90.0 TO 120.0	9	6	6
	9	6.5	6.5
	9	9	9
FROM >120.0 TO 170.0	7.5	6	-
	7.5	6	-
	9	8.5	-
FROM >170.0 TO 230.0	6	6	-
	6	6	-
	8.5	8.5	-

+ 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 and date: 2/1/05

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
	9	9	9	9	9	9
	9	9	9	9	9	9
FROM >60.0 TO 75.0	9	9	9	9	7.5	6
	9	9	9	9	9	8.5
	9	9	9	9	9	9
FROM >75.0 TO 90.0	9	9	9	9	6	5.5
	9	9	9	9	9	8
	9	9	9	9	9	9
FROM >90.0 TO 120.0	9	9	9	8	4.5	4.5
	9	9	9	9	7	7
	9	9	9	9	9	9
FROM >120.0 TO 170.0	9	9	-	5	4.5	-
	9	9	-	8	6.5	-
	9	9	-	9	9	-
FROM >170.0 TO 230.0	9	9	-	4.5	4.5	-
	9	9	-	6.5	6.5	-
	9	9	-	9	9	-

ANCHORS LEGEND

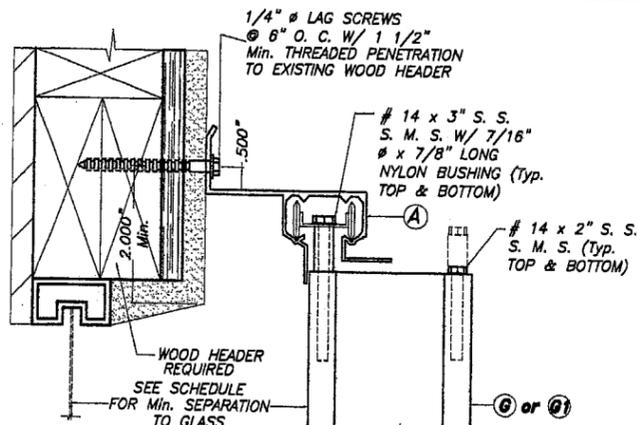
ANCHORS TYPE	ANCHOR MIN. SPACING
TAPCON OR MAXI-SET TAPCONS	3.0"
CALK-IN 3000 psi. (MIN.) CONCRETE	2.5"
CRETE-FLEX SS4 3350 psi. (MIN.) CONCRETE	3.0"

TAPCON OR MAXI-SET TAPCONS
CALK-IN
CRETE-FLEX SS4

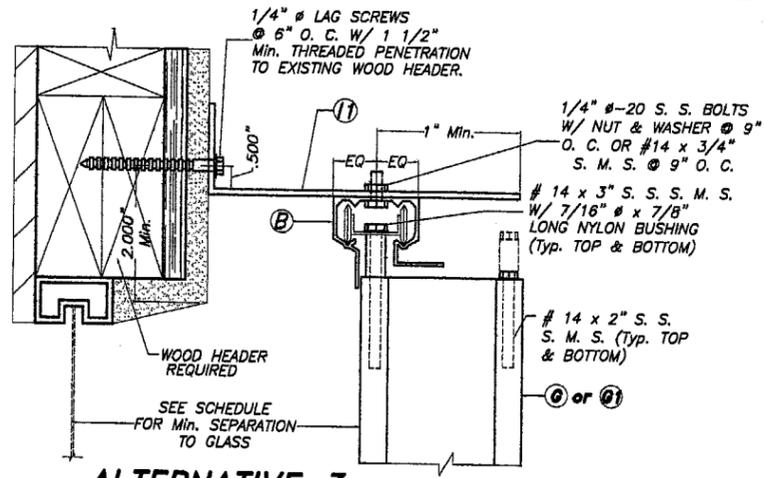
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 05-0929.01 Expiration Date 06/25/2006
By *Helmut A. Miller*
Miami Dade Product Control Division

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

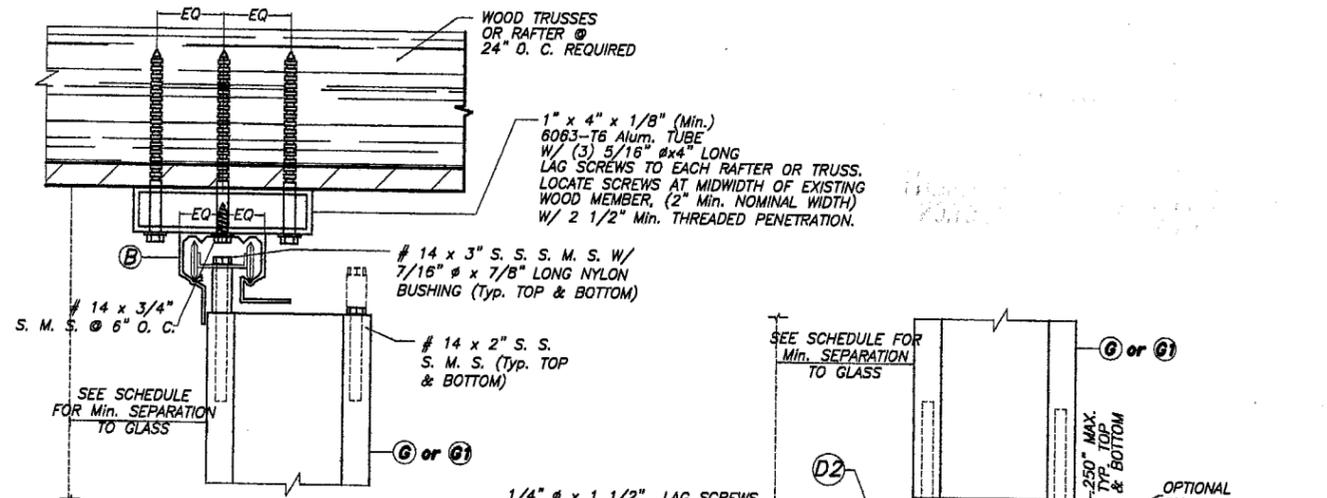
<p>TILECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 303, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1831 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167</p>		HPMA / PERFORMANCE SYSTEM 1 ACCORDION SHUTTER		DRAWN BY: M.C.V.	
		ROLLINGSHIELD, INC. 2500 N.W. 74th AVENUE MIAMI, FL 33122		6/1/05 DATE	
REV. No		DESCRIPTION		DATE	
1		OLD 03-115		6/1/05	
2				4	
				DRAWING No 05-120	
				SHEET 5 OF 6	



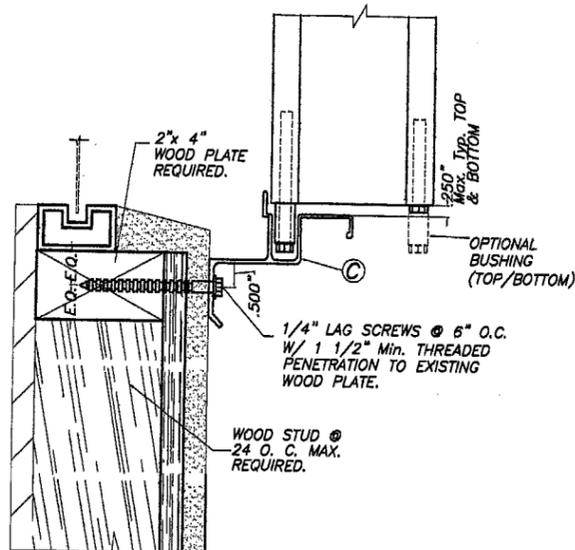
ALTERNATIVE 1



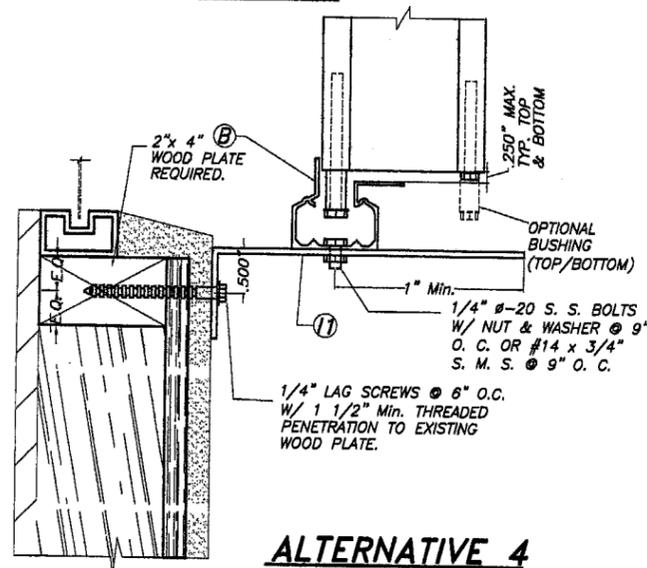
ALTERNATIVE 3



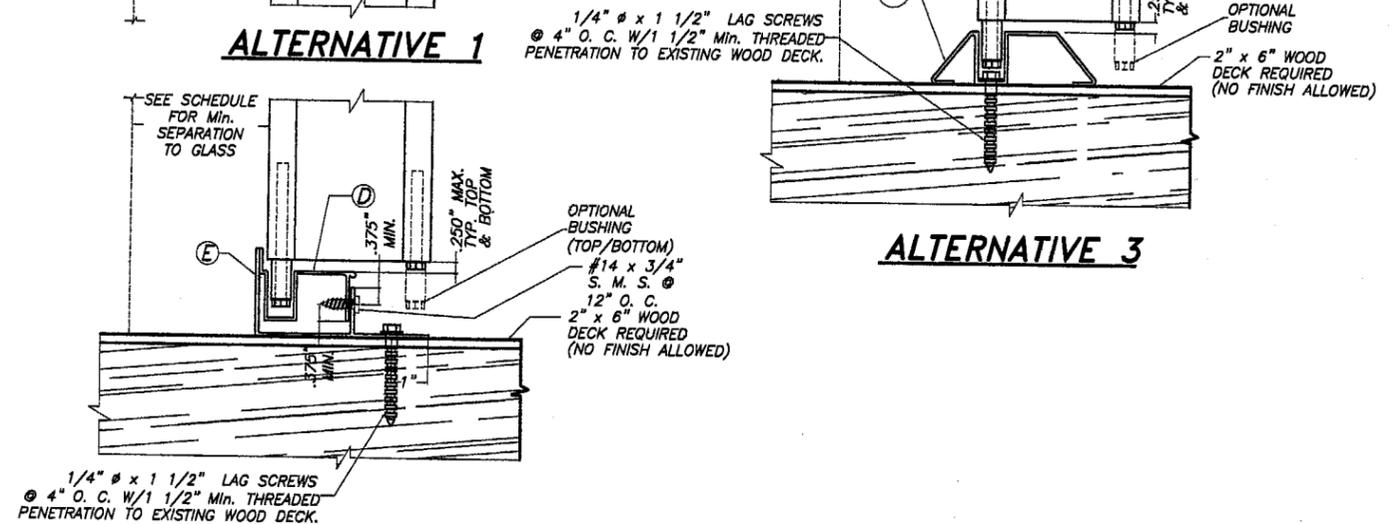
ALTERNATIVE 1



ALTERNATIVE 2



ALTERNATIVE 4



ALTERNATIVE 2

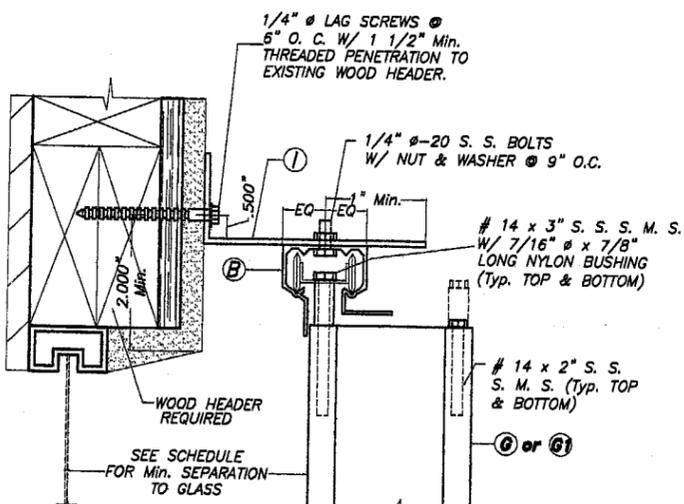
WALL MOUNTING INSTALLATION (OFFSET) SECTIONS B

SCALE: 1/4"=1"

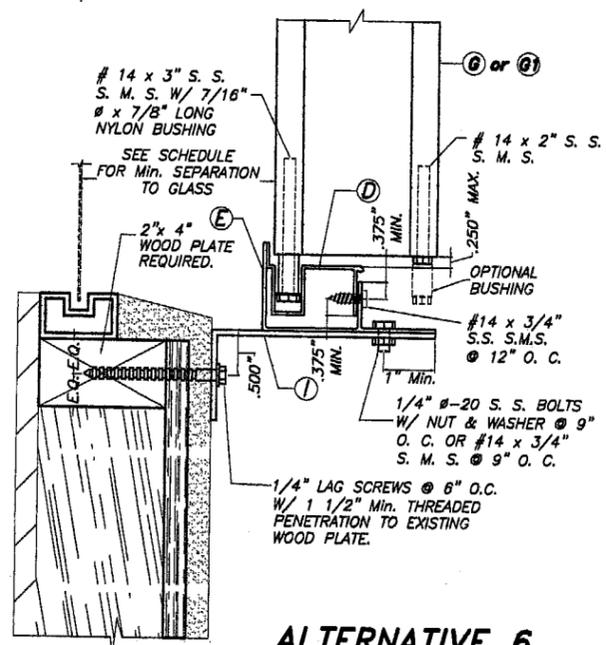
NOTE:
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

- 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.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 05-0929.01
Expiration Date 06/25/2006
By *Helmut A. Miller*
Miami Dade Product Control Division



ALTERNATIVE 5



ALTERNATIVE 6

WALL MOUNTING INSTALLATION (OFFSET) SECTIONS A

SCALE: 1/4"=1"

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

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

<p>TILLIT TESTING & ENGINEERING COMPANY 6395 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 . Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167</p>		<p>HPMA / PERFORMANCE SYSTEM 1 ACCORDION SHUTTER</p> <p>ROLLINGSHIELD, INC. 2500 N.W. 74th AVENUE MIAMI, FL 33122</p>		<p>DRAWN BY: M.C.V.</p> <p>6/1/05 DATE</p> <p>05-120</p> <p>DRAWING No</p>	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 03-115	6/1/05	3		
2			4		

SHEET 6 OF 6