



**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**

**NOTICE OF ACCEPTANCE (NOA)**

**Rollingshield, Inc.  
2500 N.W. 74<sup>th</sup> 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: HPMA / " Performance system 1 " Aluminum Accordion Shutter**

**APPROVAL DOCUMENT:** 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. 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 # **01-0502.10** & consists of this page 1, evidence submitted page(s) as well as approval document mentioned above.

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



*Helmy A. Makar*  
10/09/03

**NOA No 03-0602.04  
Expiration Date: 06/25/2006  
Approval Date: 10/09/2003**

**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. Jeffrey 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.*

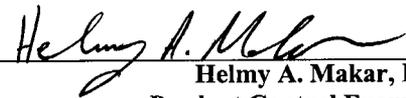
**2. NEW EVIDENCE SUBMITTED**

**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.*



Helmy A. Makar, P. E.  
Product Control Examiner  
NOA No 03-0602.04  
Expiration Date: 06/25/2006  
Approval Date: 10/09/2003

**Rollingshield, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS:**

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

**D. QUALITY CONTROL**

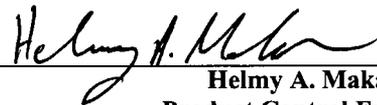
1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATION:**

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

**F. OTHERS**

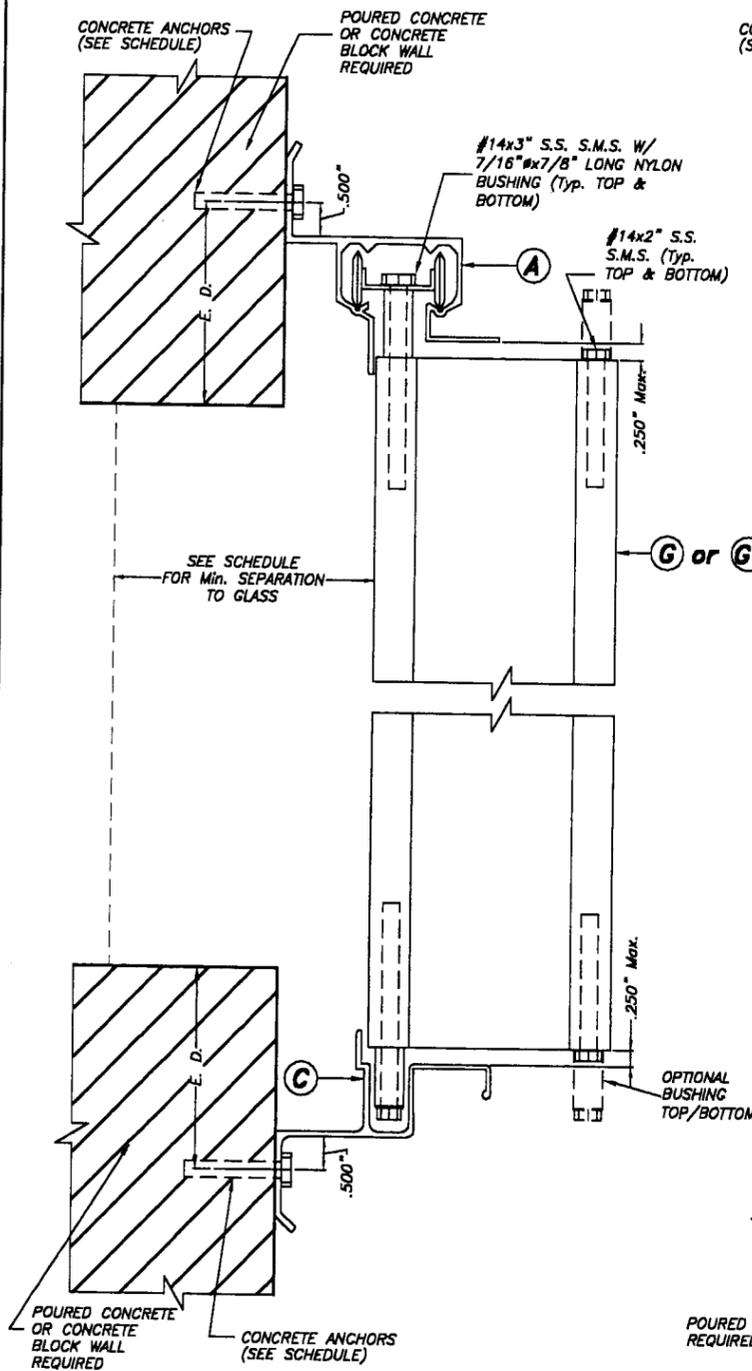
1. *Letter by Tilteco, Inc., dated May 22, 2003, certifying that the only changes added to drawing (No. 03-115) prepared for Rollingshield, Inc., signed and sealed by Walter A. Tillit Jr., P.E., as opposed to drawing #01-115 are on General Note #1, to reference to the Florida Building Code, and to General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



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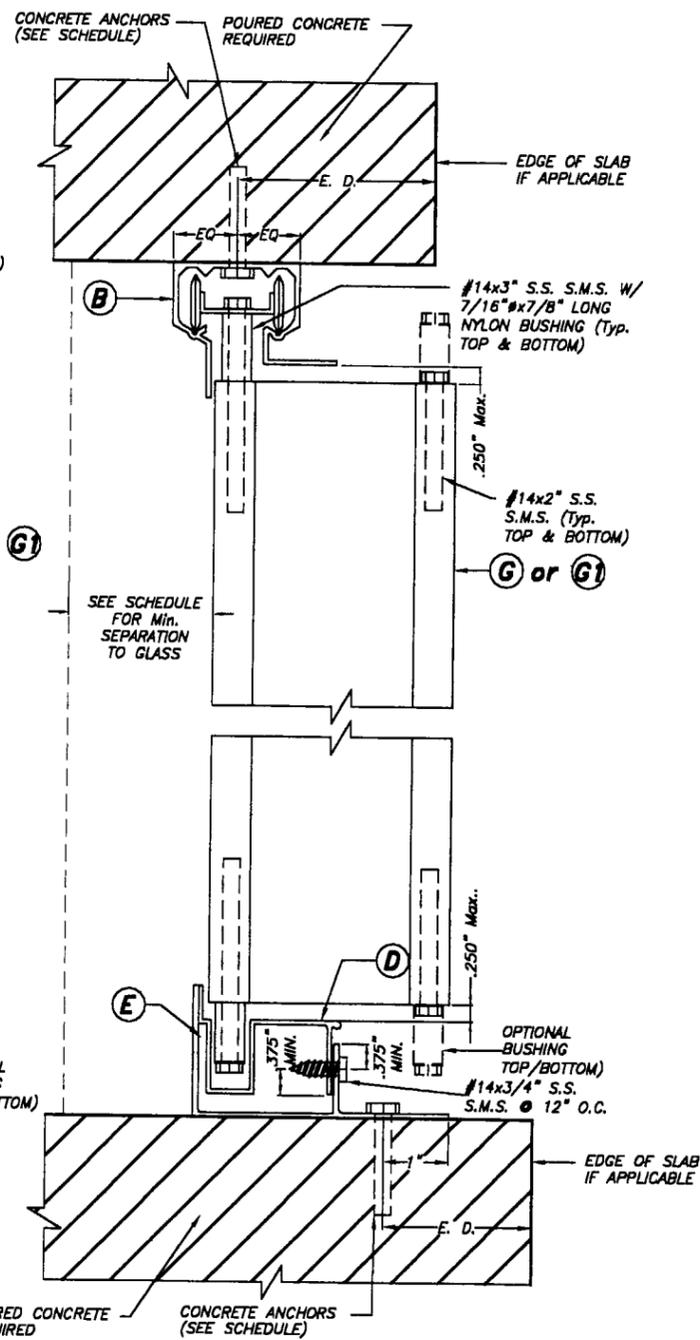
**Helmy A. Makar, P. E.**  
**Product Control Examiner**  
**NOA No 03-0602.04**  
**Expiration Date: 06/25/2006**  
**Approval Date: 10/09/2003**





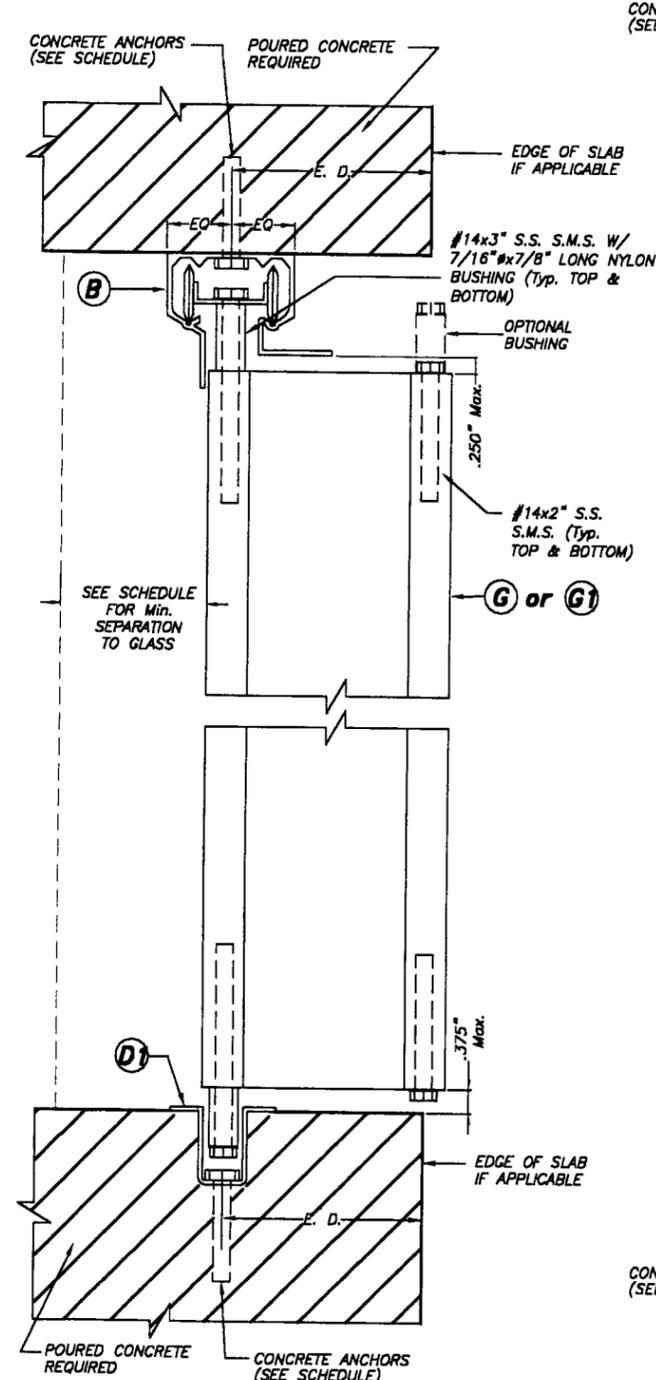
**WALL MOUNTING  
INSTALLATION  
SECTION A**

SCALE : 3/8" = 1"



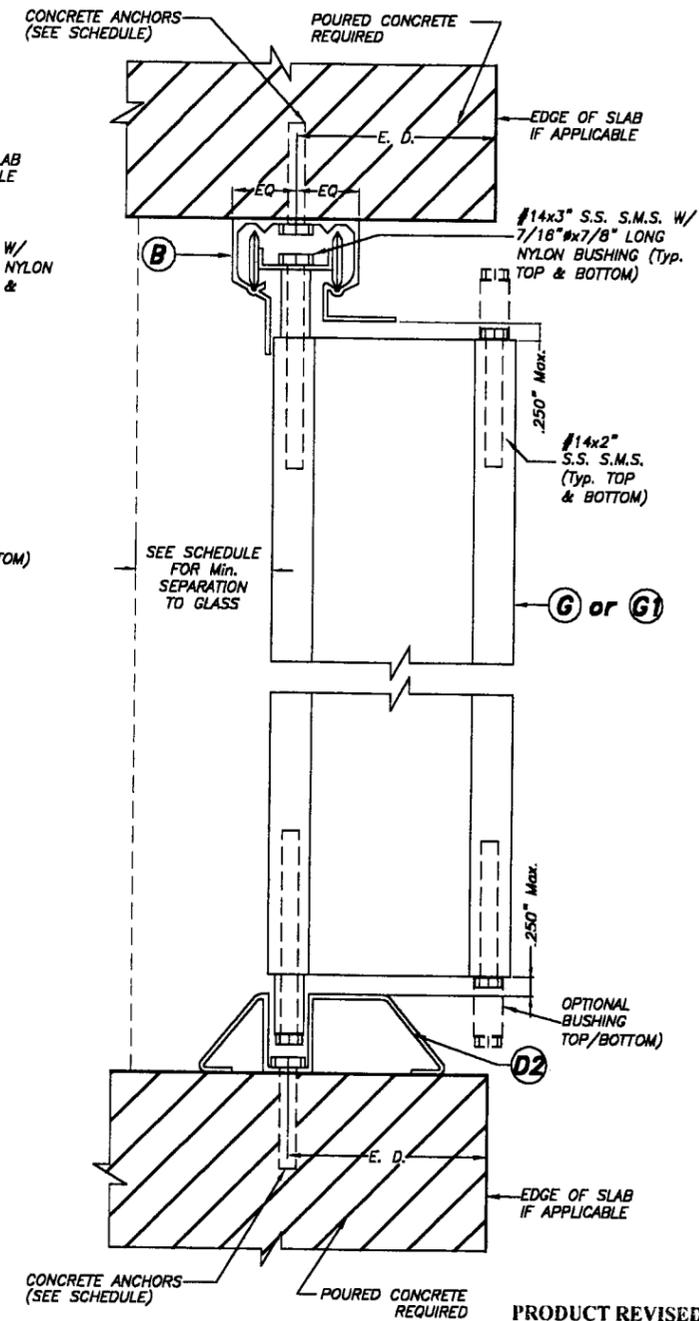
**CEILING & FLOOR  
MOUNTING INSTALLATION  
SECTION B**

SCALE : 3/8" = 1"



**CEILING & FLOOR  
MOUNTING INSTALLATION  
SECTION B1**

SCALE : 3/8" = 1"



**CEILING & FLOOR  
MOUNTING INSTALLATION  
SECTION B2**

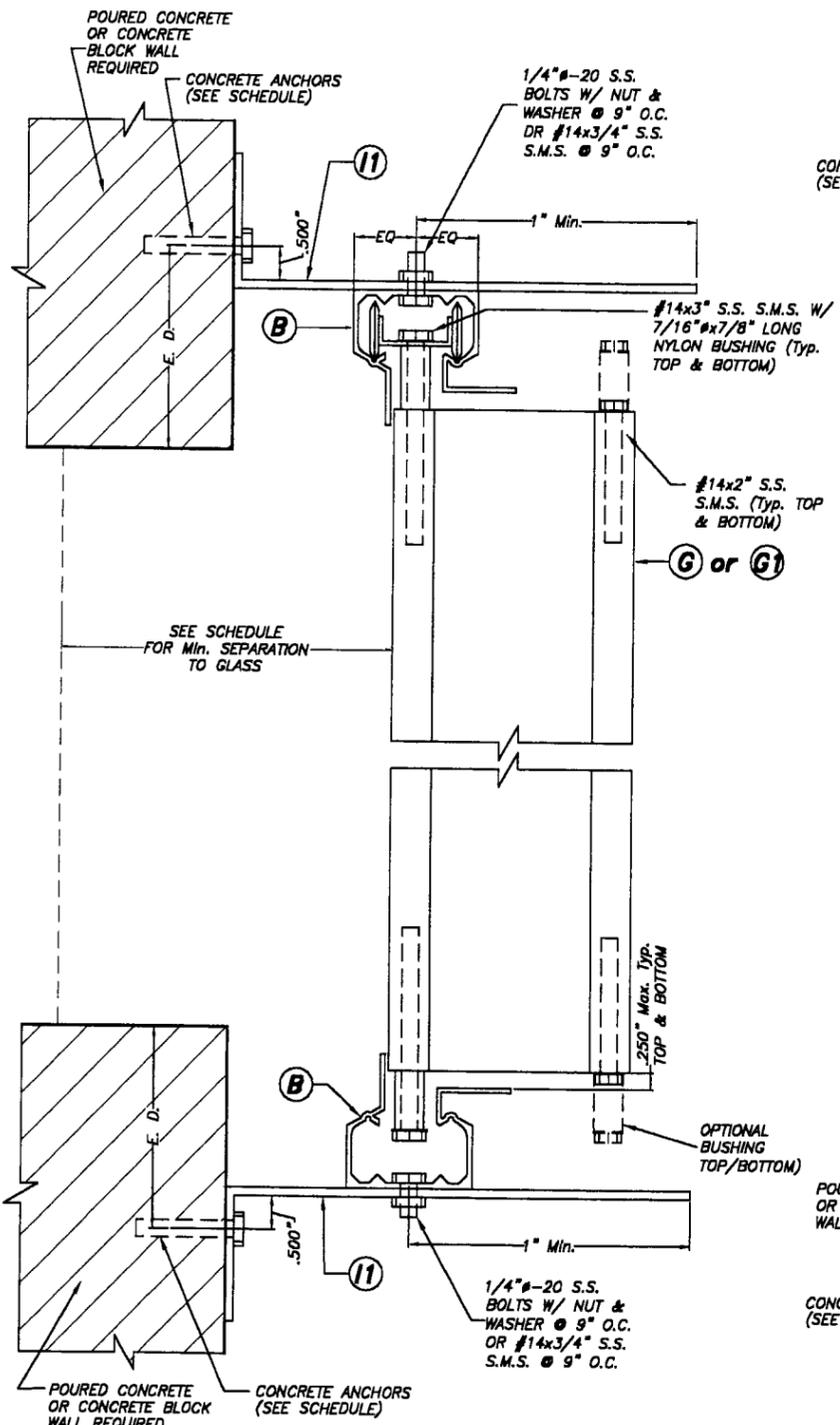
SCALE : 3/8" = 1"

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 03-0602.04  
Expiration Date 06/25/2006  
By *Helmut A. Madler*  
Miami Dade Product Control  
Division

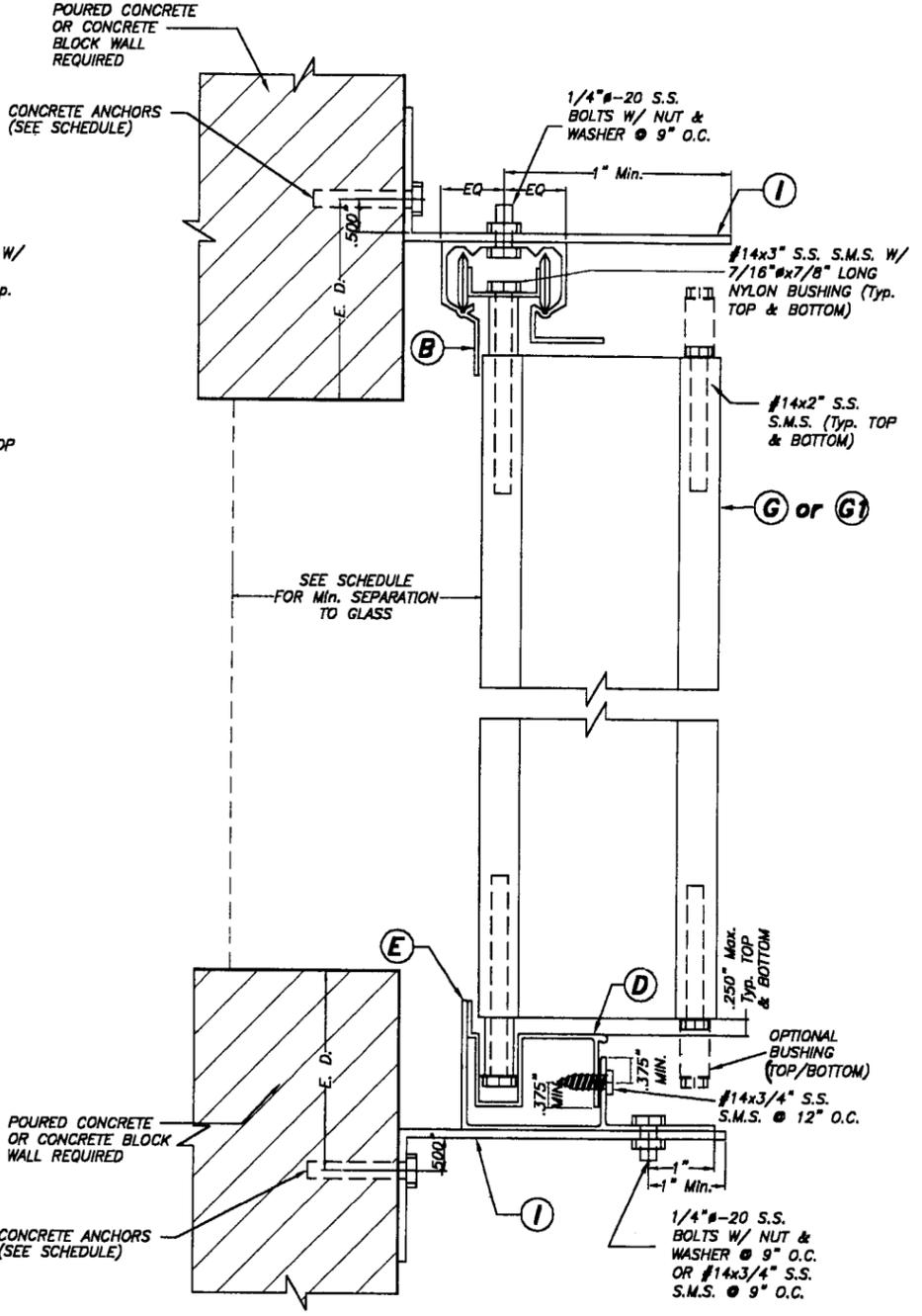
F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

*Walter A. Tillit Jr.*  
MAY 22 2003

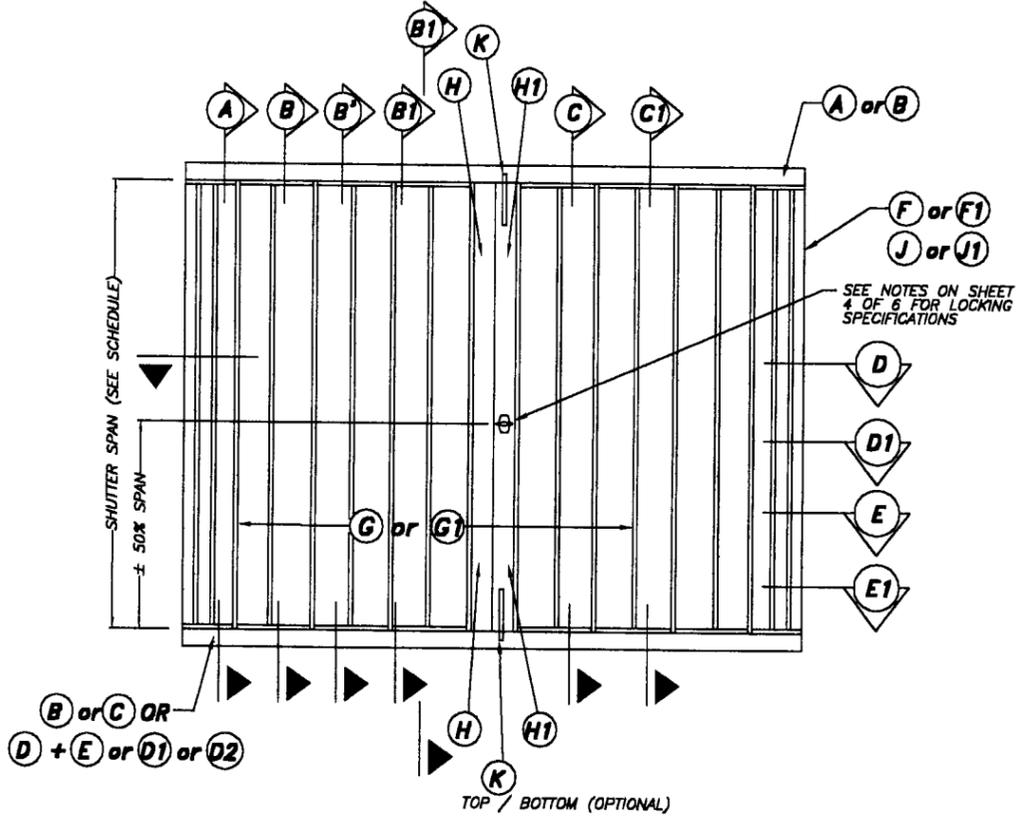
 <b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 2295 N.W. 30th St., Ste. 217, VIRGINIA GARDENS, FL 33186 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT JR. P. E. FLORIDA Lic. # 44167		PERFORMANCE SYSTEM 1 ACCORDION SHUTTER		AS SHOWN SCALE	
		<b>ROLLINGSHIELD, INC.</b> 2500 N.W. 74th AVENUE MIAMI, FL 33122		5/22/03 DATE	
		03-115		DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 01-119	5/22/03	3		
2			4		



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



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



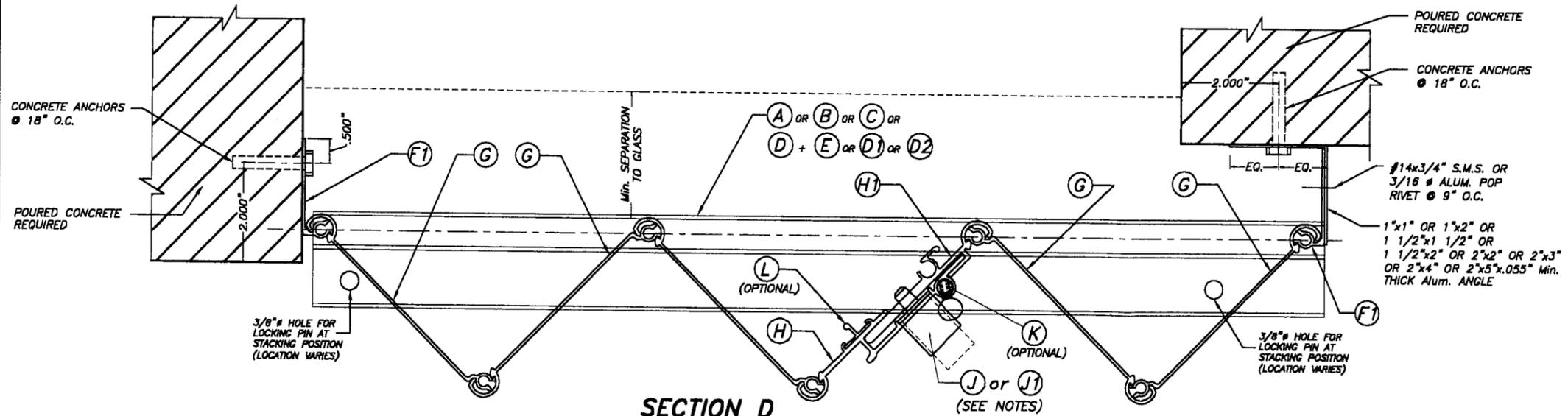
**TYPICAL ELEVATION**  
 N. T. S.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 03-0602.04  
 Expiration Date 06/25/2006  
 By *Heather A. Walker*  
 Miami Dade Product Control  
 Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

*David*  
 MAY 22 2003

 TILLIT TESTING & ENGINEERING COMPANY 6500 N.W. 30th St., Ste. 217, VIRGINIA GARDENS, FL 33168 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		PERFORMANCE SYSTEM 1 ACCORDION SHUTTER		AS SHOWN SCALE	
		<b>ROLLINGSHIELD, INC.</b> 2500 N.W. 74th AVENUE MIAMI, FL 33122		5/22/03 DATE	
				03-115 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 01-115	3/22/03	3		
2			4		



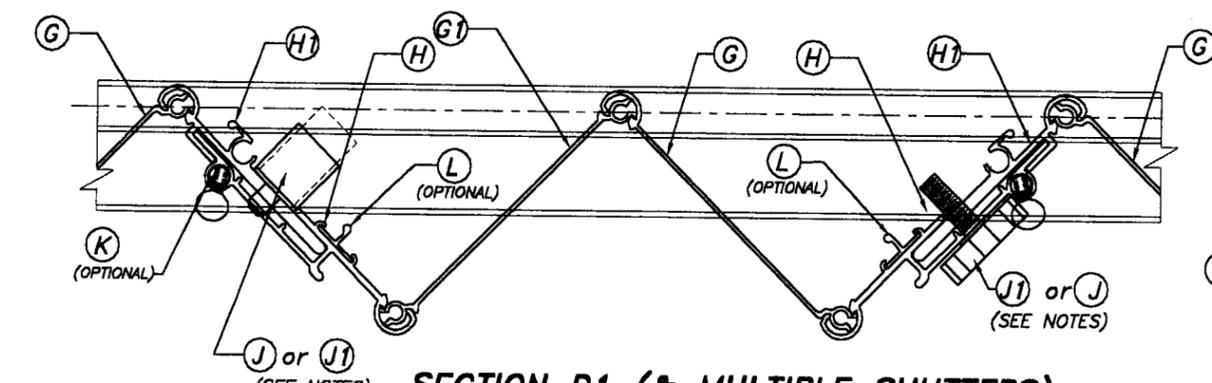
**SECTION D**

SCALE : 3/8" = 1"

**NOTES FOR LOCKING OF (H) & (H1)**

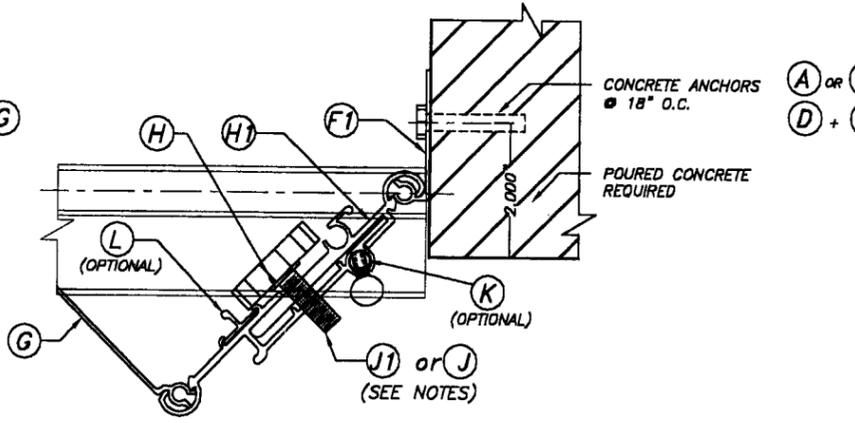
1-PUSH BOTTOM LOCK (J) MAY BE USED FOR INSTALLATIONS SECURED FROM THE OUTSIDE OR INSIDE OF SHUTTER. WHEN INSTALLING (J) FROM THE OUTSIDE, A 7/8" HOLE SHALL BE DRILLED AT (H) AND (J) MUST BE RIVETED FROM THE BACK OF (H) TO THE FRONT W/ (2) 3/16" ALUM. POP RIVETS. A 3/8" HOLE MUST THEN BE DRILLED AT (H1)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



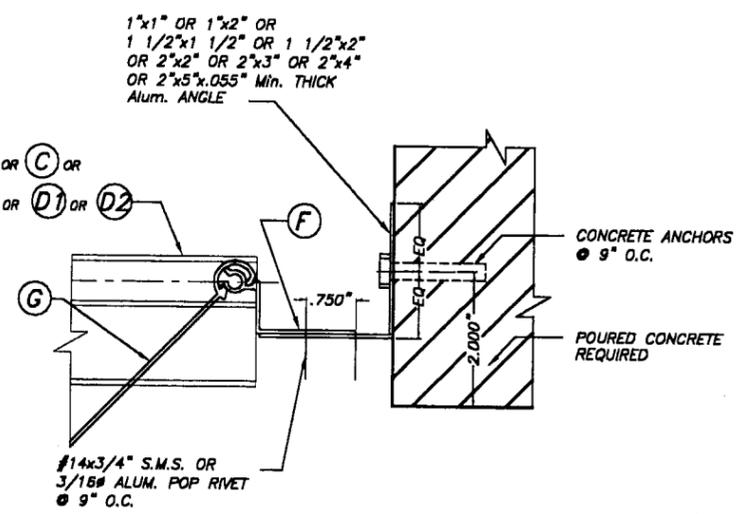
**SECTION D1 (& MULTIPLE SHUTTERS)**

SCALE : 3/8" = 1"



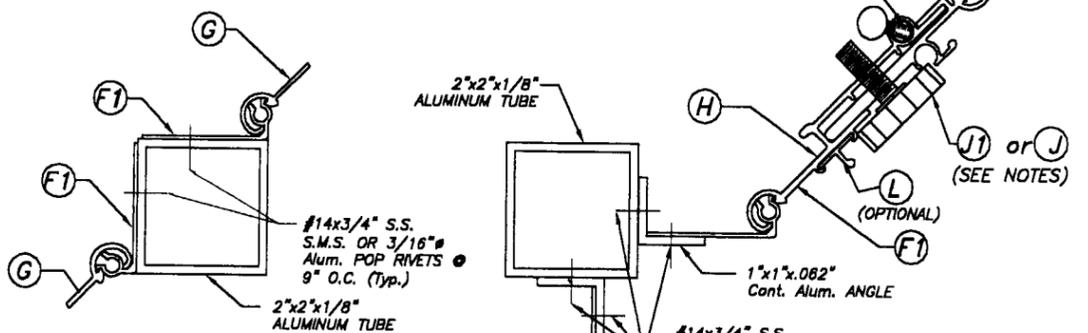
**ONE SIDED SECTION : END CONNECTION DETAIL**

SCALE : 3/8" = 1"



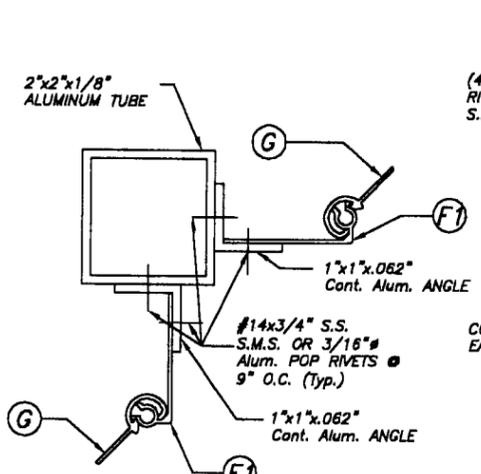
**ALTERNATE CLOSURE DETAIL W / (F)**

SCALE : 3/8" = 1"



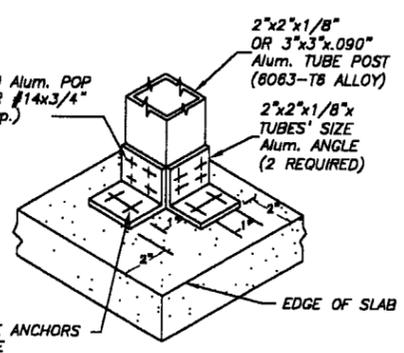
**SECTION E**

SCALE : 3/8" = 1"



**SECTION E2**

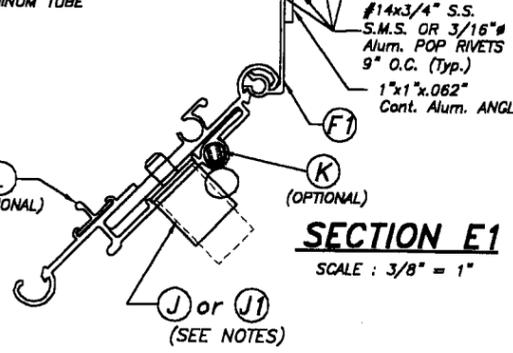
SCALE : 3/8" = 1"



**ISOMETRIC (CORNER POST)**

(Typ. AT TOP & BOTTOM SLABS)

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



**SECTION E1**

SCALE : 3/8" = 1"

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 03-0602.04  
Expiration Date 06/25/2006  
By *Walter A. Tillit Jr.*  
Miami Dade Product Control Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

MAY 22 2003

<p>TILECO INC. TILLIT TESTING &amp; ENGINEERING COMPANY 6592 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33168 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167</p>		PERFORMANCE SYSTEM 1 ACCORDION SHUTTER		AS SHOWN SCALE	
		<p><b>ROLLINGSHIELD, INC.</b> 2500 N.W. 74th AVENUE MIAMI, FL 33122</p>		5/22/03 DATE	
		03-115		DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 01-115	5/22/03	3		
2			4		
					SHEET 4 OF 6

**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
	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	-	4.5	3	-
	9	7	-	6.5	4.5	-
FROM >170.0 TO 230.0	7	7	-	-	-	-
	7	7	-	3	3	-
	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

MAY 22 2003

**TILECO INC.**  
 TILLIT TESTING & ENGINEERING COMPANY  
 6505 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33166  
 Phone: (305)871-1530 Fax: (305)871-1531  
 EB-0006719  
 WALTER A. TILLIT Jr. P. E.  
 FLORIDA Lic. # 44167

**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**

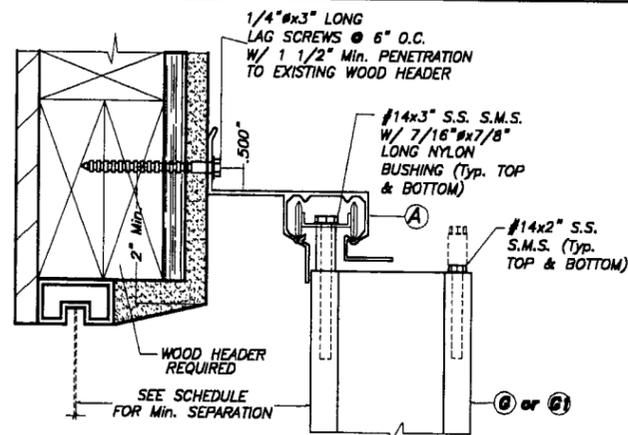
ANCHORS TYPE	ANCHOR MIN. SPACING
TAPCON OR MAXI-SET TAPCONS	3.0"
CALK-IN 3000 psi. (MIN.) CONCRETE	2.5"
CRETE-FLEX SS4 3350 psi. (MIN.) CONCRETE	3.0"

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

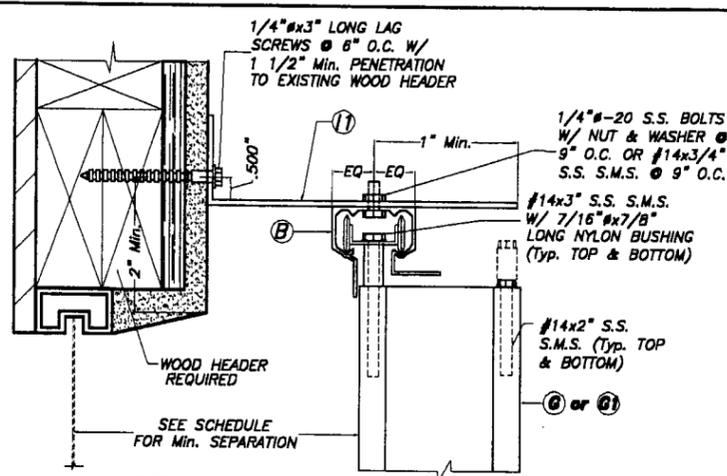
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 03-0602-04 Expiration Date 06/25/2006  
 By *Walter A. Tillit Jr.*  
 Miami Dade Product Control Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

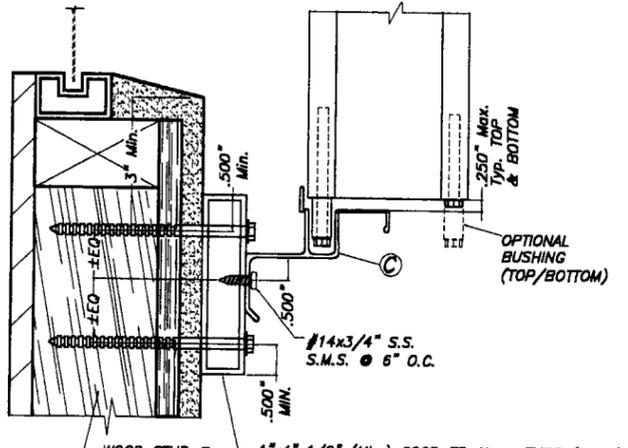
PERFORMANCE SYSTEM 1 ACCORDION SHUTTER						AS SHOWN SCALE
<b>ROLLINGSHIELD, INC.</b> 2500 N.W. 74th AVENUE MIAMI, FL 33122						5/22/03 DATE
						03-115 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 5 OF 6
1	OLD 01-115	5/22/03	3			
2			4			



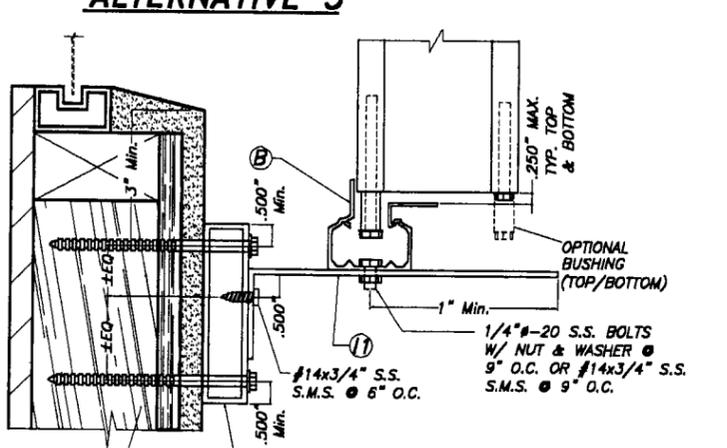
**ALTERNATIVE 1**



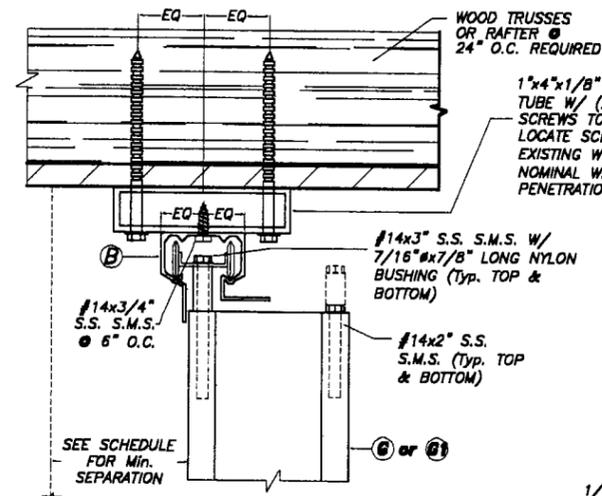
**ALTERNATIVE 3**



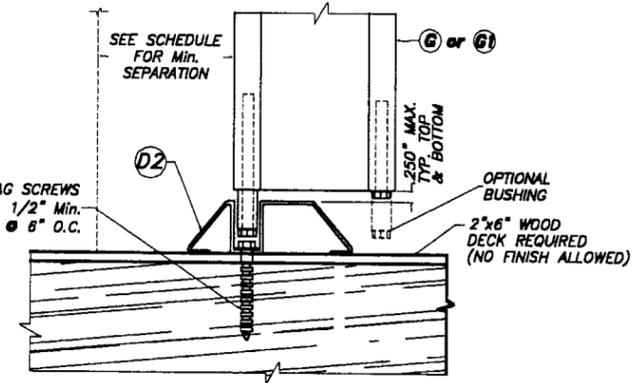
**ALTERNATIVE 2**



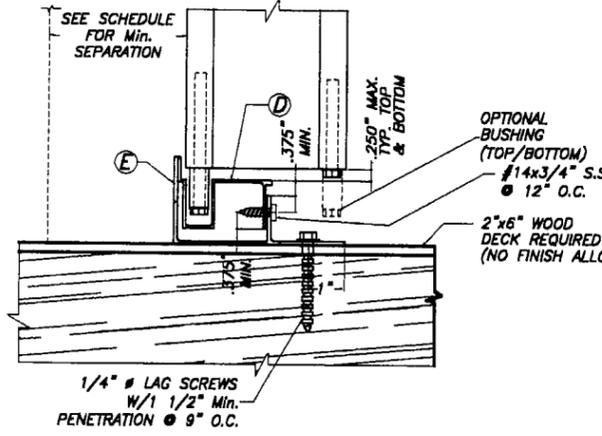
**ALTERNATIVE 4**



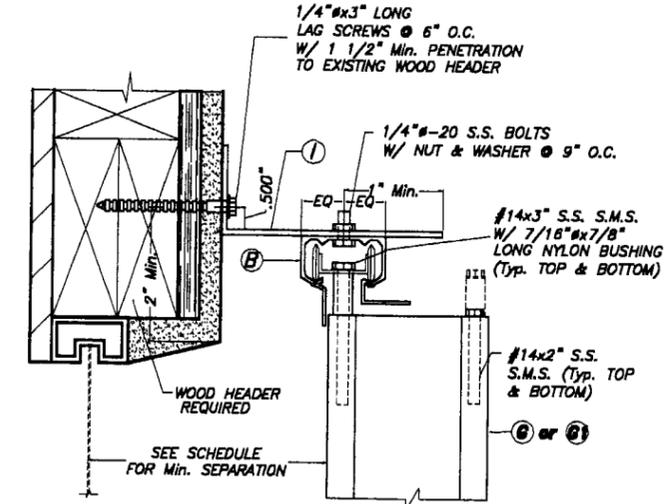
**ALTERNATIVE 1**



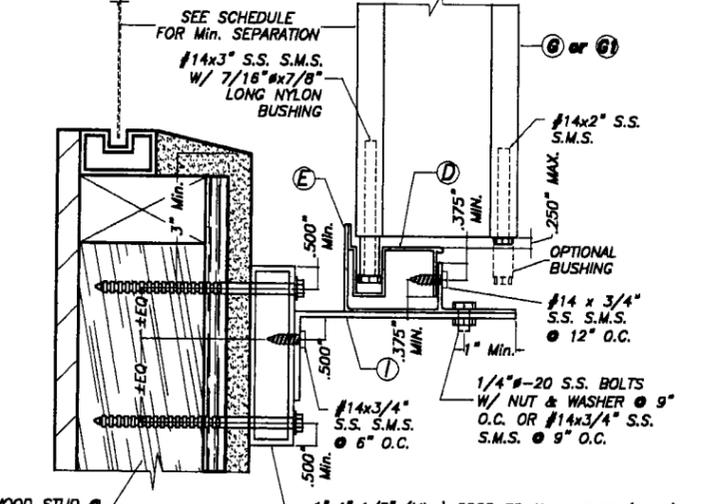
**ALTERNATIVE 3**



**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.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No **03-0602-04**  
Expiration Date **06/25/2006**  
By *Helmut A. Miller*  
Miami Dade Product Control Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

**WALL MOUNTING INSTALLATION (OFFSET)**  
**SECTIONS A**  
SCALE: 1/4"=1"  
**INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS**

*David*  
MAY 22 2003

**TILECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6592 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33188  
Phone: (305)871-1330 Fax: (305)871-1531  
EB-0006719  
WALTER A. TILLIT Jr. P. E.  
FLORIDA Lic. # 44167

PERFORMANCE SYSTEM 1 ACCORDION SHUTTER				AS SHOWN SCALE	
ROLLINGSHIELD, INC.				5/22/03 DATE	
2500 N.W. 74th AVENUE MIAMI, FL 33122				03-115 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 01-115	5/22/03	3		
2			4		