

Suskind-

Owner MEAD CONSTRUCTION CO. Mailing Address

Permit No. 1178

Date Apr. 20-1925

Lot 16 Block 13 Subdivision SUNSET LAKE Address 2421 Bay Road

General Contractor Mead Construction Company 8226 Address

Architect Mead Construction Company Address

Front 35'-0 Depth 35'-0 Height 24'-0 Stories 2

Use Residence- 9 rms  
& garage

Type of construction Ordinary Cost \$ 9,500.00

Foundation Reinf. concrete Roof B-

Plumbing Contractor George Homan

Address

Date July 2-1925

Plumbing Fixtures 13

Rough approved by

Date

Gas Stoves

Gas Heaters

Address

Date

Geo. Homan

July 2- 1927

Final approved by

Date

Sewer connection - one

Septic tank

Make

Date

Electrical Contractor

Address

Date

Switch  
OUTLETS Light  
ReceptaclesRange Motors  
HEATERS Water  
Space

Fans Temporary service

Centers of Distribution

Electrical Contractor Seminole Electric Fixture Co.

Address

Date Nov. 3-1925

No. fixtures set 26

Final approved by

Date

Date of service

Suskind Alterations or repairs ELECTRICAL # 29641 Lyon Electric: 1 Motor, Sept. 26, 1949

Date

BUILDING PERMIT # 40031 - "FOR SALE" sign, per ord. #1024 - owner - 50¢ - Nov 10, 1952

#3970

## ALTERATIONS & ADDITIONS

### Building Permits:

- #59630 Giffen Industries: Reroof gravel section of main house & garage - \$800 - July 27, 1959  
#61194 J. Y. Sparks: CBS Type III addition, 16'x34' creating family room at SE cor of bldg, W. C. Kreidt, Architect -  
\$3000.00 - Feb. 9, 1960  
#65729 Ray Boone Air Cond.: 2 - 1 hp unit air conditioners - \$400. - 8/28/61  
#81386 Ewald Doerr Paint Exterior Only \$220.00 11/14/69  
#87125 - owner - repairs patching paneling painting \$1,500.00 7/9/71  
#00447 - owner - repair roof \$260.00 1/20/72  
#00448 - Builders Business Serv. - interior and exterior painting \$600.00 1/20/72  
#05997-Owner-Replace kitchen cabinets-repair wodd floor, repair acustic ceilings on family room, paintings-\$1200-8-2-74  
#06131-Brady Roofing-Re-roof 20 sqs-\$1500-8-29-74  
#06957-Cecilio Garcia-25 lf. chain link fence-\$200-3-6-75 R Spot 8-6-72  
#11084-Owner-Replace tile in main bathroom on second floor-\$400-4-1-77  
Plumbing Permits: #48813 - Pitsch Plumb - 1 rgh 1 set lavatory - 1 rgh 1 set shower 12/10/71  
#50747-Independent Plumbing- building sewer repairs-3-1-74  
#51453-Wenzel Plumbing- 1 bath tub; 1 bidet; 1 water closet; -8-22-74

OK, Fidler 11/4/1955

Electrical Permits: #44299 Foster Electric Co., Inc: one motor April 18, 1955

- #54824 Gray & Co: 4 switch outlets, 7 receptacles, 3 light outlets, 3 fixtures, 3 centers of distrib, 1 service equipment,  
1 motor (LHP)- Feb. 24, 1960 OK Newbold 5/27/60  
#69389 - F & D Elect. - 10 receptacles - 1 refrig. outlets - 1 motors 3 HP 1/18/72  
#71531-All Fla. Electric- 2 appliance outlets; 1 refrigerator; 1 dishwasher-8-23-74  
#74071-Leonard Electric- 10 outlets, bathroom remodeling w/gfi recept.-5-11-77

LOT 16 BLOCK 13 SUBDIVISION Sunset Lake ADDRESS 2421 N Bay Rd

### ALTERATIONS & ADDITIONS

#### Building Permits:

#15843-Owner-Painting, minor repairs-\$1500-10-23-79

#17623 - owner 4' concrete slab on back repair concrete slab interior at carporch, take out wood floor and pour 4" concrete floor at room in rear interior 1,200. 3/3/80

#MO6075 2/10/83 Burck Air Cond - 1-10 kw, 1-4 ton air cond central exist home

#MO6713 5/8/84 Ray Boone Air cond - 1-12,000 air cond wind, 1 freidrick air cond

#MO6967 9/20/84 9/20/84 Ray Boone Air Cond - 1 air cond wind

#28809 7/8/86 owner paint exterior, plaster repairs stucco repairs \$1,500.

#91831 7/22/86 owner additions to residence (library and porch) \$7,500.

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#### Plumbing Permits:

#### Electrical Permits:

#78423 2/10/83 Gemini Elect - 1-3 ton air cond

#81535 11/4/86 Mikes Elec - 3 switch, 6 light outlets, 4 recept



BUILDING PERMITS: #M8800115 - Air Control Systems - 10kw Central heating, 3ton A/C central -  
10-31-88



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.miamidade.gov](http://www.miamidade.gov)

## NOTICE OF ACCEPTANCE (NOA)

Calleja's Accordion Shutters, Inc.  
940 West 84<sup>th</sup> Street  
Hialeah, Florida 33014

### 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 / "Performance system 2" Aluminum Accordion Shutter

**APPROVAL DOCUMENT:** Drawing No. 07-141, titled "Performance System 2 Accordion Shutter", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated June 08, 2007, signed and sealed by Walter A. Tillit Jr., P.E., on June 12, 2007, bearing the Miami-Dade County Product Control Division stamp with the Notice of Acceptance number and the 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.

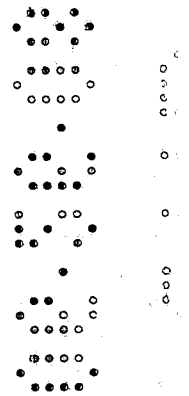
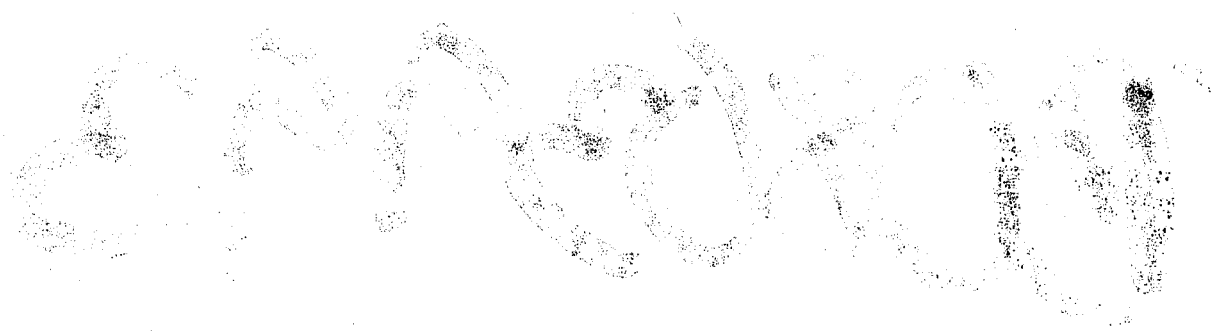
This NOA revises NOA # 06-0412.03 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

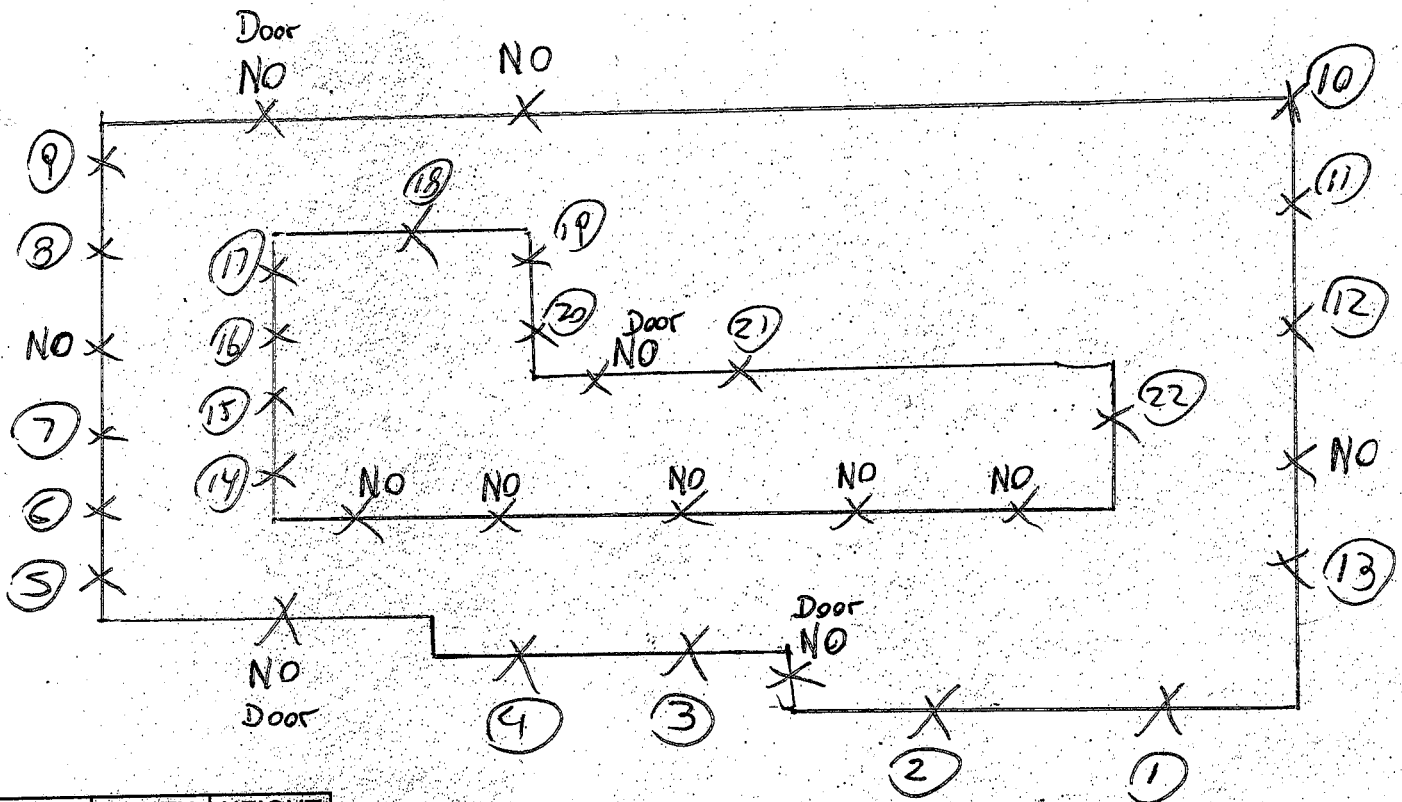
The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar  
09/10/2007

NOA No. 07-0621.01  
Expiration Date: 04/23/2011  
Approval Date: 09/10/2007  
Page 1





OPENINGS	WIDTH	HEIGHT
1	38	57
2	38	57
3	38	57
4	38	57
5	38	51
6	32	43
7	66	63
8	29	42
9	38	51
10	255	81
11	112	39
12	20	27
13	37	28
14	53	66
15	66	58
16	27	39
17	20	26
18	67	58
19	66	58
20	66	58
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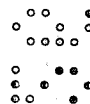
M. ROOF HEIGHT: 25'

SQUARE FEET: 650

PRODUCT: Accordion Shutters

ADDRESS: 2421 Nort Bay Rd.

Miami Beach, Fl





# RAMMS ENGINEERING, INC.

Kd = 1.00

2100 W 76 ST. #311, HIALEAH, FLORIDA, 33016

FLORIDA BUILDING C CODE 2004

Robert S. Monsour, P.E. FI # 11955 / 0006024

ASCE 7-02 EXPOSURE C

DESIGN WIND LOADS (LBS/SQFT)

FOR

146

MPH ZONE

Interior & Exterior Zones (4&5 - Walls) Positive Pressures						
Exposure C	For the 146 mph Wind Zone					
Height (Maximum)	Effective Wind Area (or, Tributary Area) in Square Feet					
	10	20	30	40	50	60
	1.00	0.95	0.92	0.89	0.88	0.86
15	54.7	52.3	50.8	49.8	49.0	48.4
20	58.0	55.3	53.8	52.7	51.9	51.2
25	60.5	57.8	56.2	55.1	54.2	53.5
30	63.1	60.3	58.6	57.4	56.5	55.8
40	67.0	64.0	62.2	60.9	60.0	59.2
50	70.2	67.0	65.2	63.9	62.8	62.0
60	72.8	69.5	67.6	66.2	65.2	64.3

Interior Zone (4 - Walls) Negative Pressures						
Exposure C	For the 146 mph Wind Zone					
Height (Maximum)	Effective Wind Area (or, Tributary Area) in Square Feet					
	10	20	30	40	50	60
	-1.10	-1.05	-1.02	-0.99	-0.98	-0.96
15	-59.4	-56.9	-55.5	-54.4	-53.6	-53.0
20	-62.9	-60.3	-58.7	-57.6	-56.8	-56.1
25	-65.7	-62.9	-61.3	-60.2	-59.3	-58.6
30	-68.5	-65.6	-63.9	-62.8	-61.9	-61.1
40	-72.6	-69.6	-67.9	-66.6	-65.6	-64.8
50	-76.1	-73.0	-71.1	-69.8	-68.8	-68.0
60	-78.9	-75.7	-73.7	-72.4	-71.3	-70.5

Exterior Zones (5 - Walls) Negative Pressures						
Exposure C	For the 146 mph Wind Zone					
Height (Maximum)	Effective Wind Area (or, Tributary Area) in Square Feet					
	10	20	30	40	50	60
	-1.40	-1.29	-1.23	-1.19	-1.15	-1.13
15	-73.3	-68.4	-65.5	-63.4	-61.8	-60.5
20	-77.6	-72.4	-69.3	-67.2	-65.5	-64.1
25	-81.0	-75.6	-72.4	-70.1	-68.4	-66.9
30	-84.5	-78.8	-75.5	-73.1	-71.3	-69.8
40	-89.7	-83.6	-80.1	-77.6	-75.7	-74.1
50	-94.0	-87.7	-84.0	-81.3	-79.3	-77.6
60	-97.4	-90.9	-87.0	-84.3	-82.2	-80.5

Length of End Zone: 10% of least building width or .4h, whichever is smaller but not less than 3 feet. ( h = mean roof height in feet ).

These Tables are not to be reproduced without written permission by Robert Monsour, PE.

AN 8% REDUCTION OF LOADS SHOWN ABOVE MAY BE TAKEN FOR FLAT ROOFS.

*Robert Monsour*  
S

20

U. S.

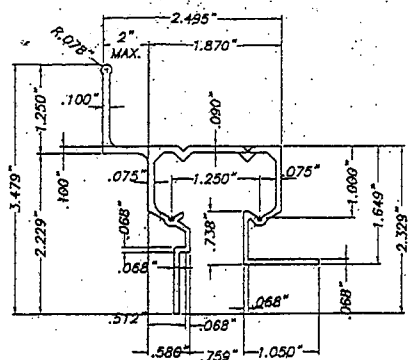
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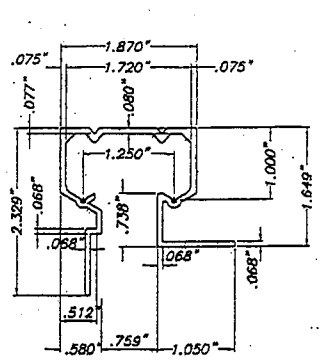
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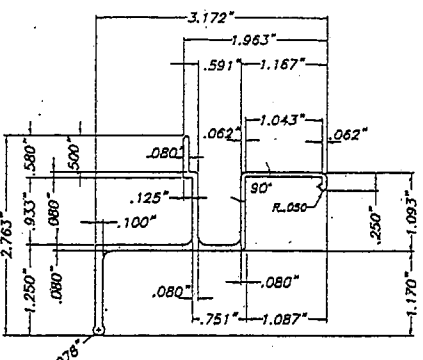
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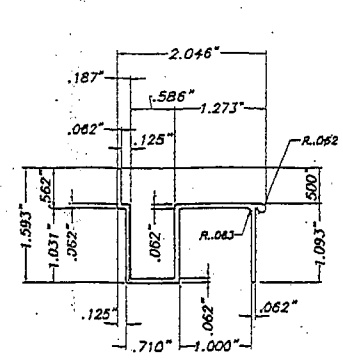
**(A) WALL HEADER (& INVERTED)**  
SCALE: 3/8" = 1"



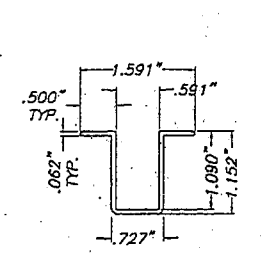
**(B) CEILING HEADER**  
SCALE: 3/8" = 1"



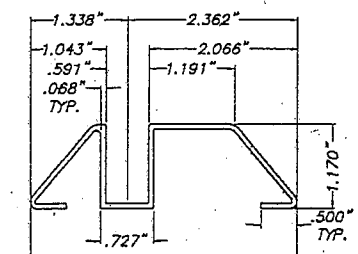
**(C) WALL SILL**  
SCALE: 3/8" = 1"



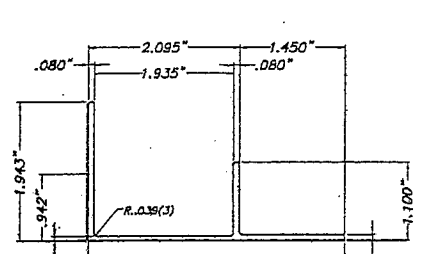
**(D) FLOOR SILL**  
SCALE: 3/8" = 1"



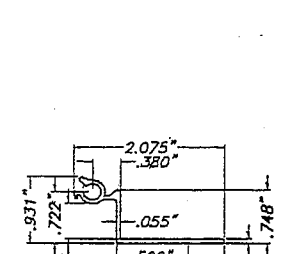
**(D1) FLOOR SILL**  
SCALE: 3/8" = 1"



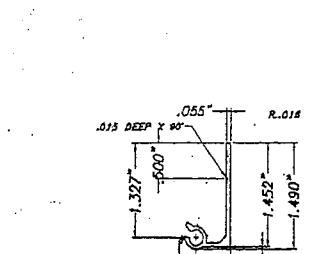
**(D2) THRESHOLD TRACK**  
SCALE: 3/8" = 1"



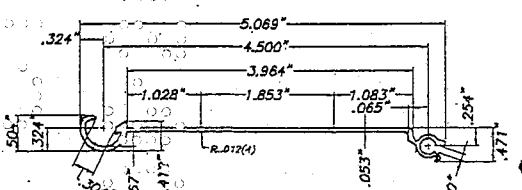
**(E) ADJUSTABLE SILL ADAPTOR**  
SCALE: 3/8" = 1"



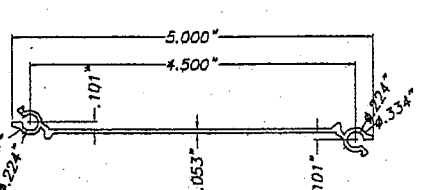
**(F) 90° STARTER**  
SCALE: 3/8" = 1"



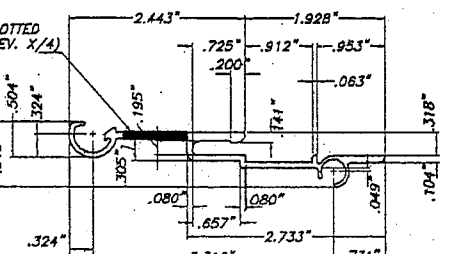
**(F1) 180° MALE STARTER**  
SCALE: 3/8" = 1"



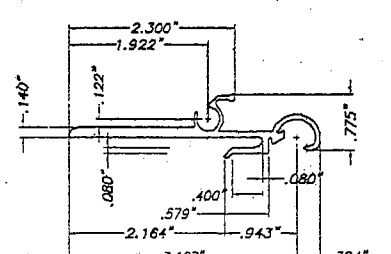
**(G) MALE/FEMALE BLADE**  
SCALE: 3/8" = 1"



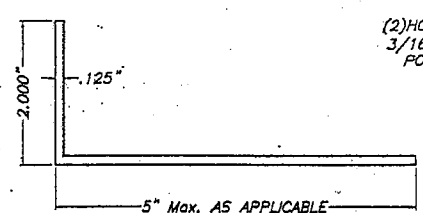
**(G1) MALE/MALE BLADE**  
SCALE: 3/8" = 1"



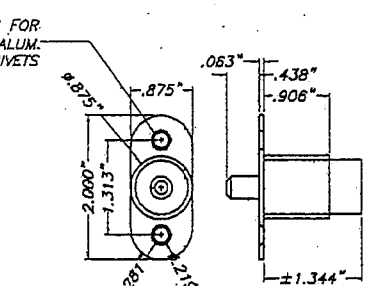
**(H) FEMALE CENTERMATE BLADE**  
SCALE: 3/8" = 1"



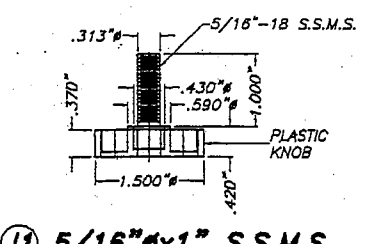
**(H1) MALE CENTERMATE BLADE**  
SCALE: 3/8" = 1"



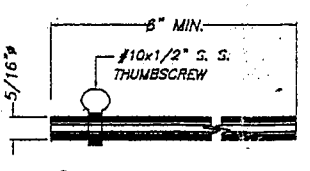
**(I) ALUMINUM ANGLE**  
SCALE: 3/8" = 1"



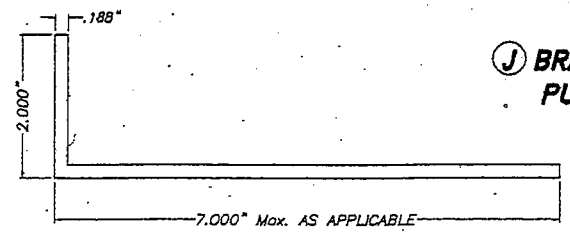
**(J) BRASS NICKEL PLATED  
PUSH BUTTON LOCK**



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



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



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

## COMPONENTS

### 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 W/ 2005 & 2006 SUPPLEMENTS. 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 PROTOCOLS AS PER CONSTRUCTION TESTING CORPORATION LABORATORY REPORT N° 06-03.

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 XYLAN 5000 SERIES FLUOROPOLYMER COATINGS AS MANUFACTURED BY WHITFORD Co, BOX 507, WEST CHESTER PA. 19381.

3. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLO" WITH MINIMUM YIELD STRENGTH OF Fy=31.0 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 GALVANIZED OR STAINLESS STEEL WITH 36 ksi MINIMUM YIELD STRENGTH.

7. ANCHORS TO WALL SHALL BE AS FOLLOWS: (UNLESS OTHERWISE NOTED)

- (A) TO EXISTING POURED CONCRETE: 1" PER SCHEDULE ON SHEET 6
  - 1/4" x TAPCON OR 1/4" x MAXI-SET TAPCON, AS MANUFACTURED BY I.T.W. BUILDEX.
  - 1/4" x 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 THE CONCRETE IS 1 1/4".
- A.2) 7/8" CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED.
- A.3) 1/4" x 20 S.S. 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: ASTM C-90 BLOCK
  - 1/4" x TAPCON OR 1/4" x MAXI-SET TAPCON, AS MANUFACTURED BY I.T.W. BUILDEX.
  - 1/4" x 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.
- B.3) 1/4" x 20 S.S. 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 AS INDICATED ON NOTES B.1 & B.2 ABOVE.

- (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 2 ACCORDION SHUTTER" CALLEJA'S ACCORDION SHUTTERS, INC. HIALEAH, FLORIDA MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

11. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERAL 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.

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

© 2007 HURRICANE PROTECTION MANUFACTURERS ASSOCIATION

**TILTECO INC.**

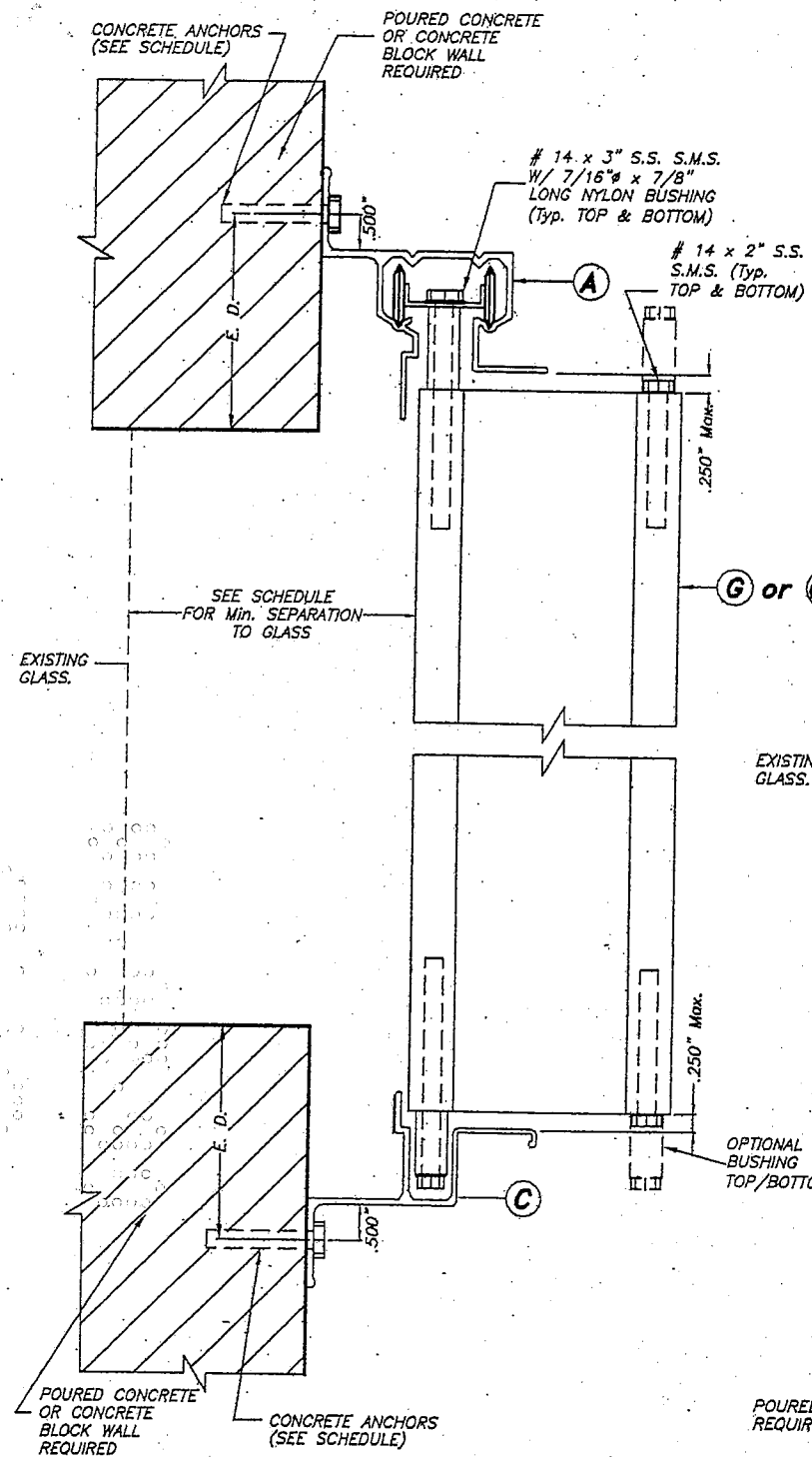
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186  
Phone: (305) 871-1530 Fax: (305) 871-1531  
EB-0006719  
WALTER A. TILLIT, Jr., P. E.  
FLORIDA Lic. # 44167

PERFORMANCE SYSTEM 2 ACCORDION SHUTTER					
<b>CALLEJA'S ACCORDION SHUTTERS, INC.</b> (H.P.M.A. # 3) 940 WEST 84 STREET HIALEAH, FLORIDA 33014 PH: (305) 828-1213 FAX: (305) 818-9987					
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-
DRAWN BY: F.P. 06/08/07 DATE 07-141 DRAWING No SHEET 1 OF 6					

JUN 12 2007

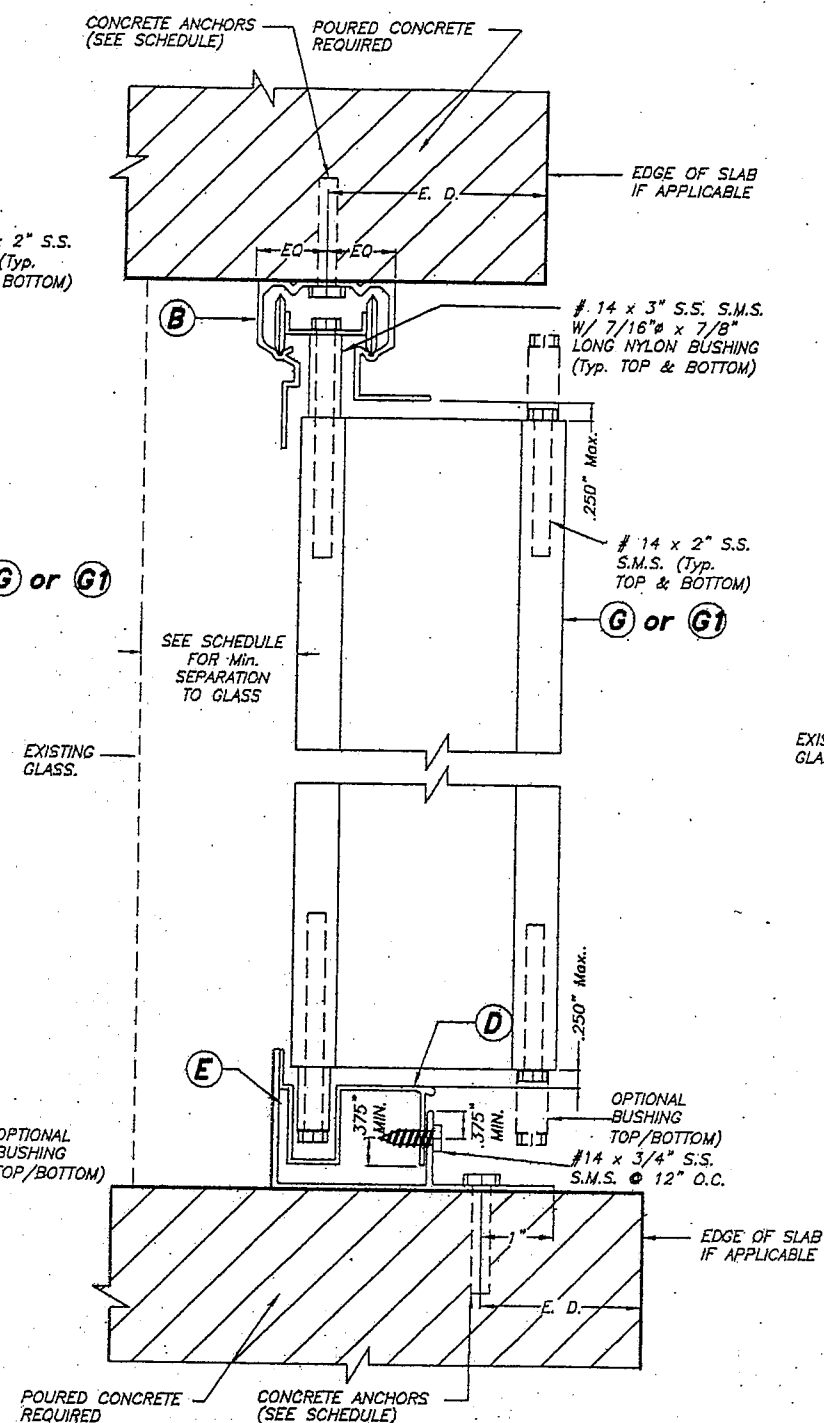
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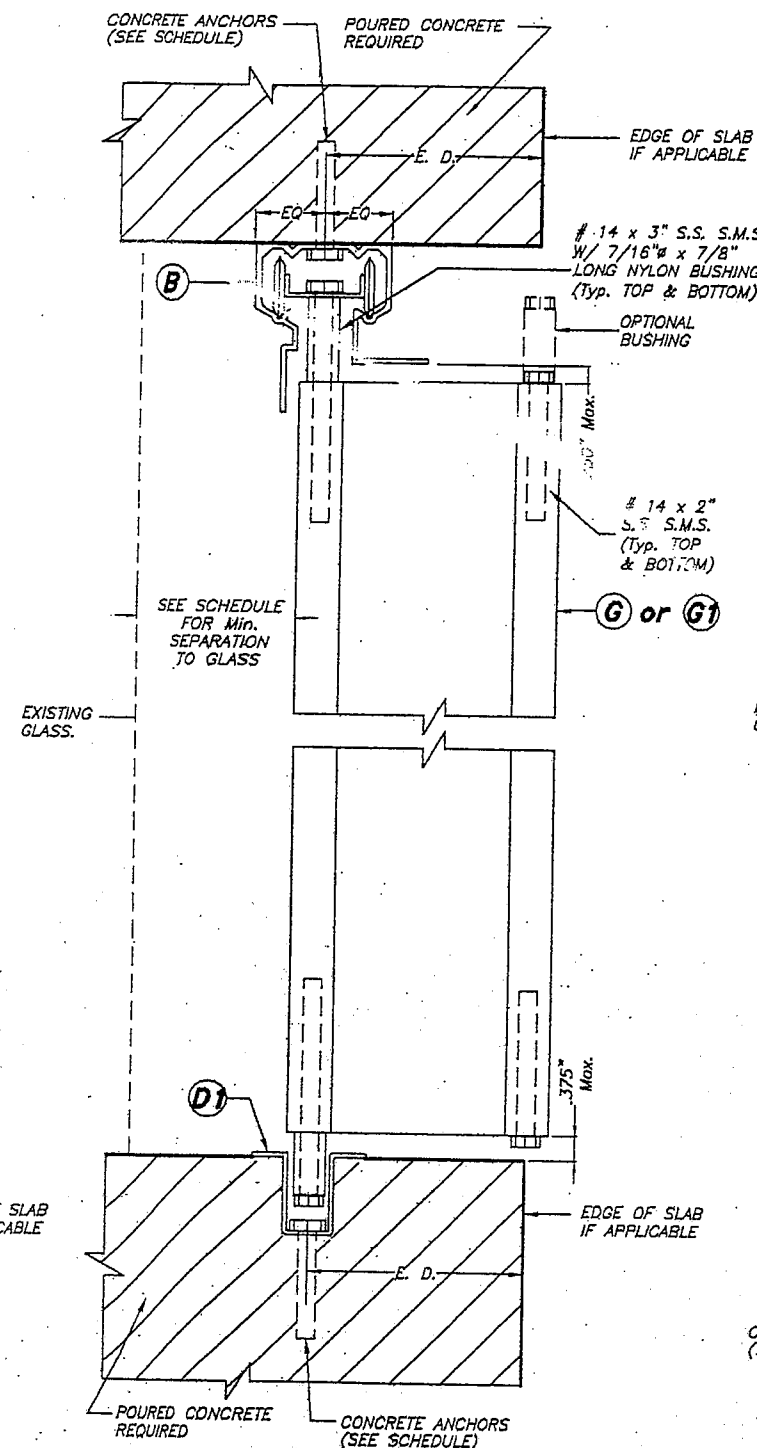
### WALL MOUNTING INSTALLATION SECTION A

SCALE : 3/8" = 1"



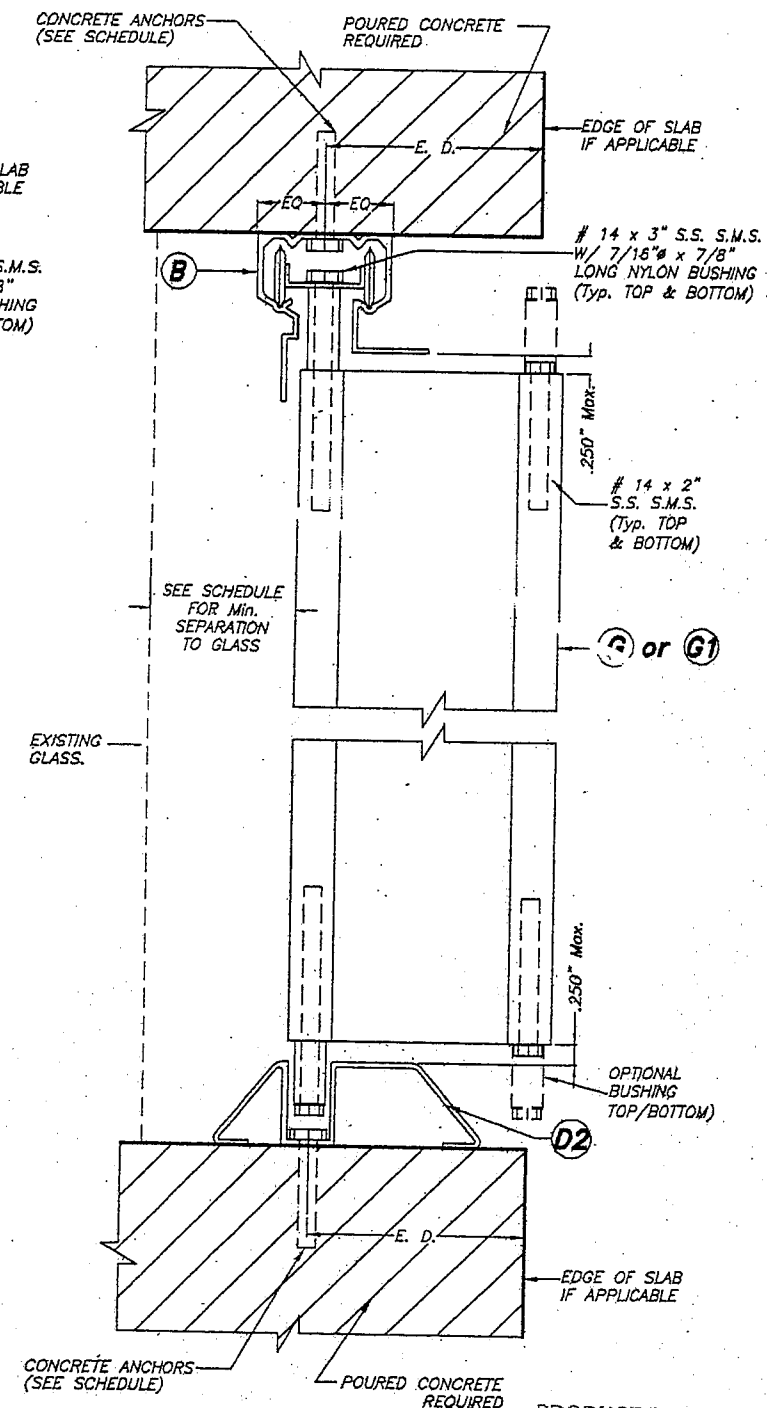
### CEILING & FLOOR MOUNTING INSTALLATION SECTION B

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 67-0621.01  
Expiration Date 04/23/2011  
By *Helmut A. Meier*  
Miami Dade Product Control  
Division

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

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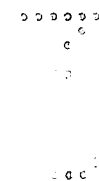
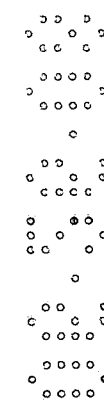
**TILECO INC.**

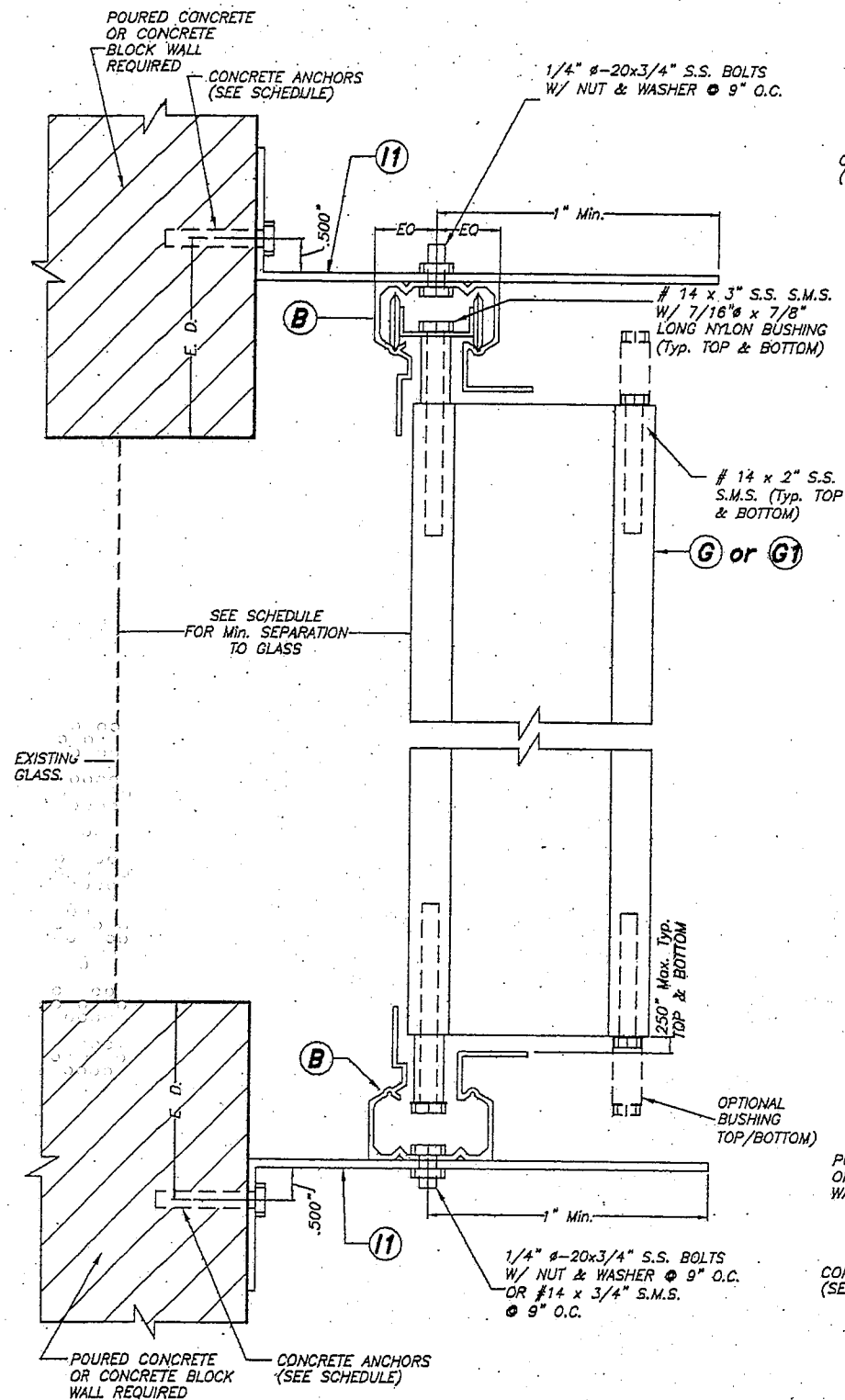
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186  
Phone : (305) 871-1530 Fax : (305) 871-1531  
EB-0006719  
WALTER A. TILLIT Jr. P. E.  
FLORIDA Lic. # 44167

PERFORMANCE SYSTEM 2 ACCORDION SHUTTER						DRAWN BY:	
<b>CALLEJA'S ACCORDION SHUTTERS, INC.</b> (H.P.M.A. # 3) 940 WEST 84 STREET HIALEAH, FLORIDA 33014 PH: (305) 828-1213 FAX: (305) 818-9987						F.P.	
						06/08/07	
						DATE	
						07-141	
						DRAWING No	
						SHEET 2 OF 6	

JUN 12 2007

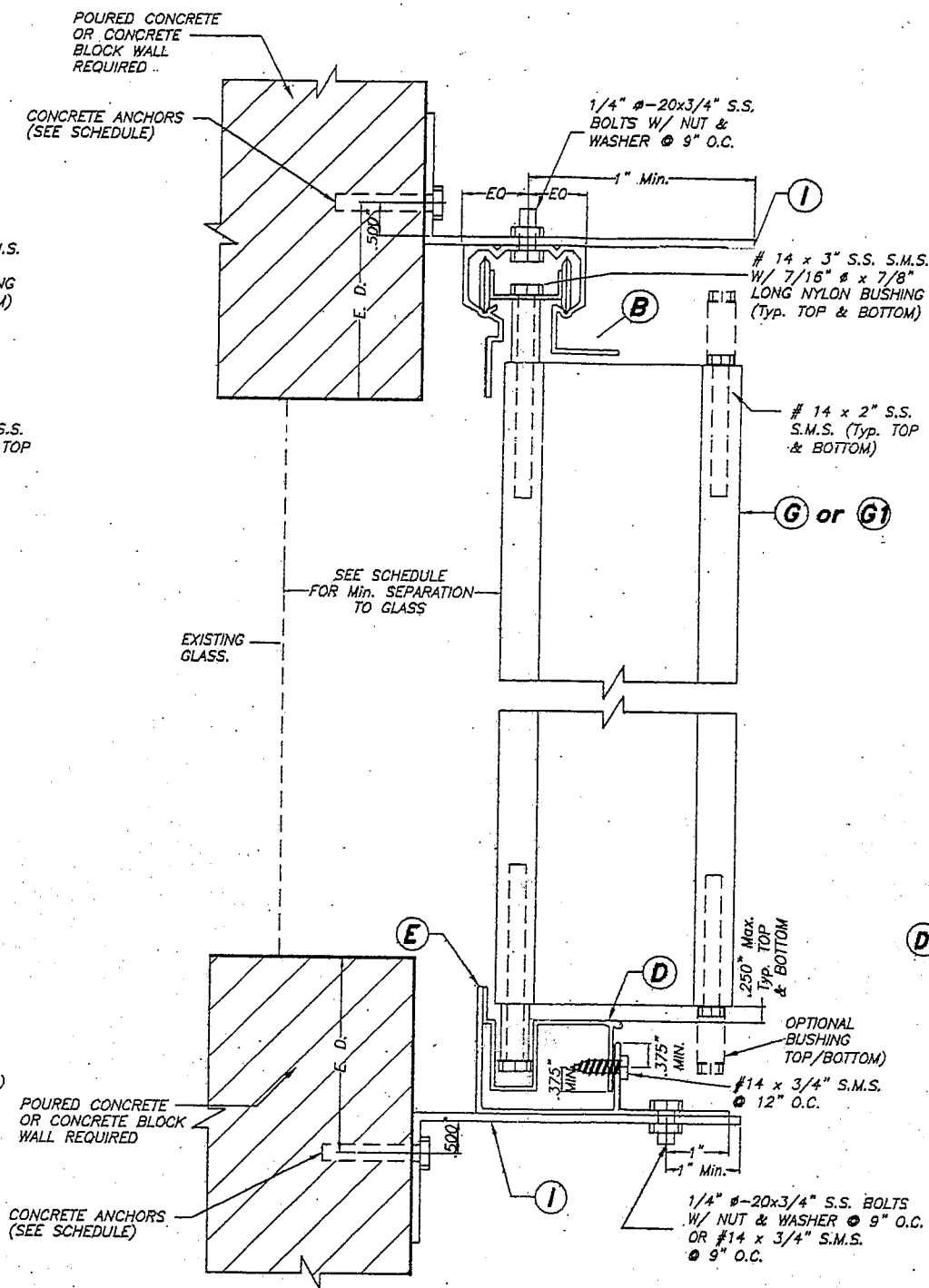






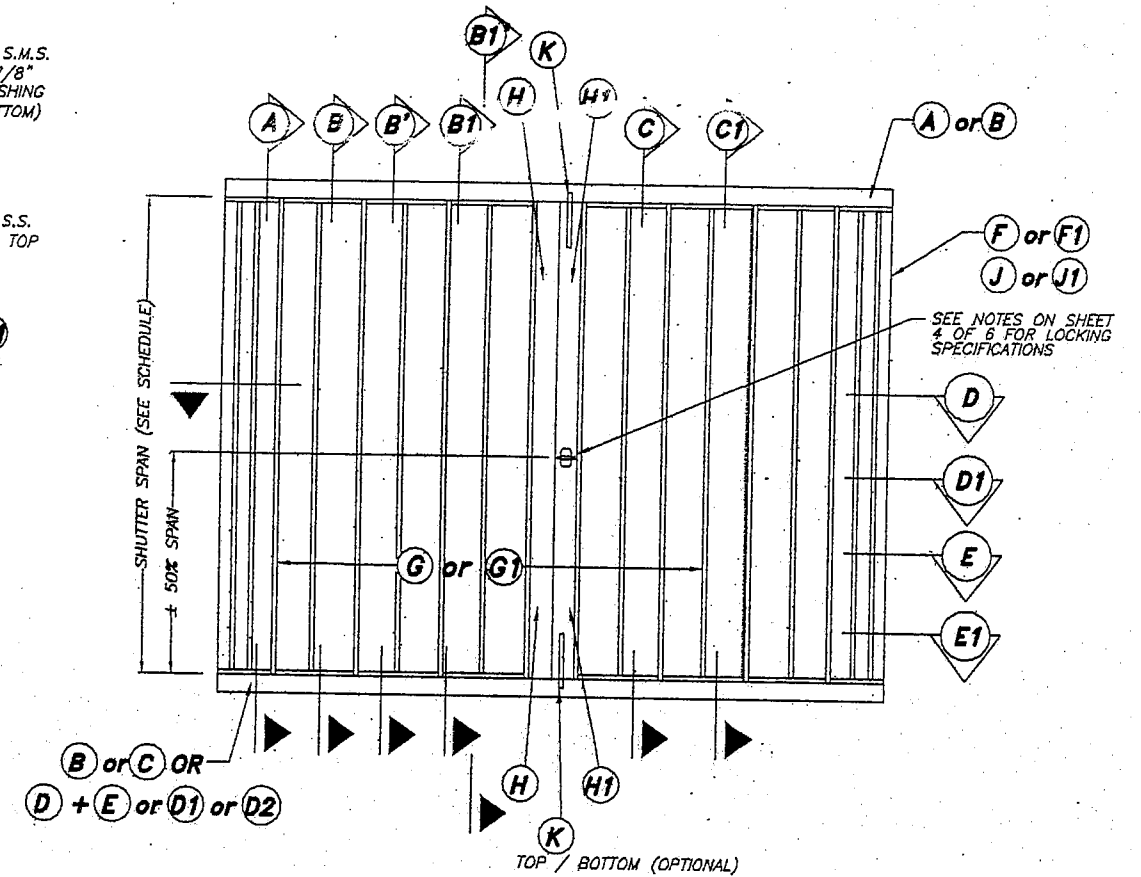
### BUILD-OUT INSTALLATION - SECTION C

SCALE : 3/8" = 1"



### BUILD-OUT INSTALLATION - SECTION C1

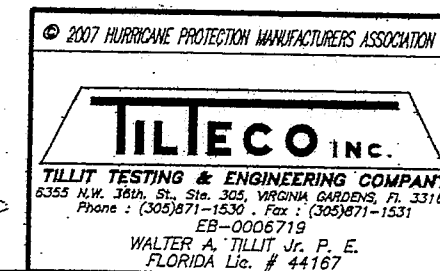
SCALE : 3/8" = 1"



### TYPICAL ELEVATION

N. T. S.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0621.01  
Expiration Date 04/23/2011  
By *Heinz A. Miller*  
Miami Dade Product Control  
Division



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

PERFORMANCE SYSTEM 2 ACCORDION SHUTTER

CALLEJA'S ACCORDION SHUTTERS, INC.  
(H.P.M.A. # 3)

940 WEST 84 STREET  
HIALEAH, FLORIDA 33014  
PH: (305) 828-1213 FAX: (305) 818-9987

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY:  
F.P.

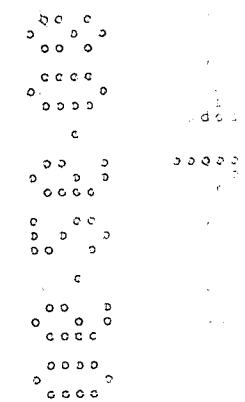
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DATE

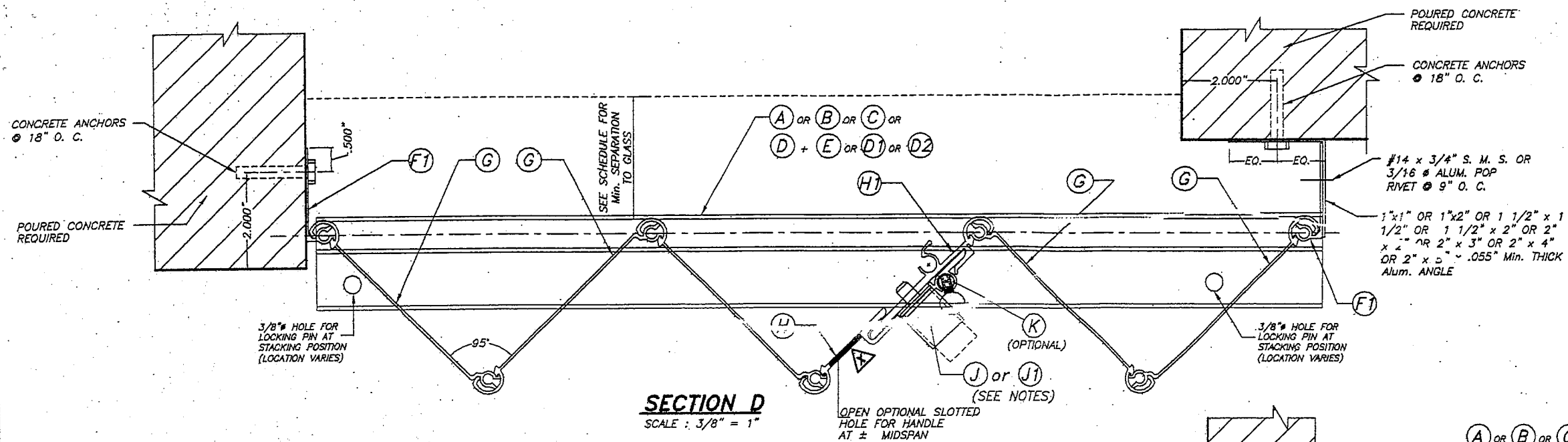
07-141

DRAWING No

SHEET 3 OF 6

JUN 12 2007

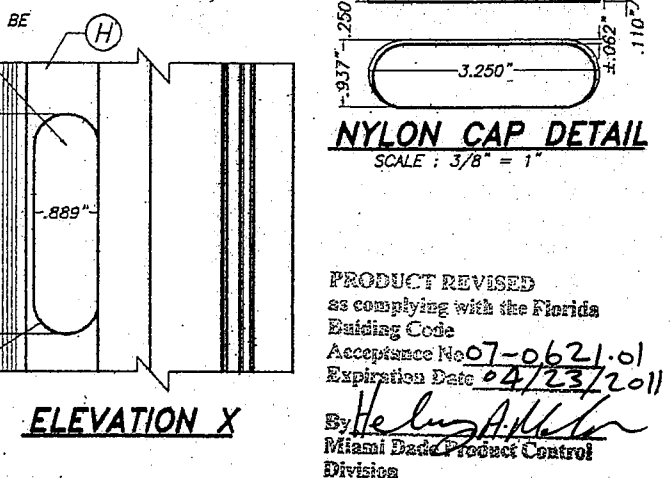
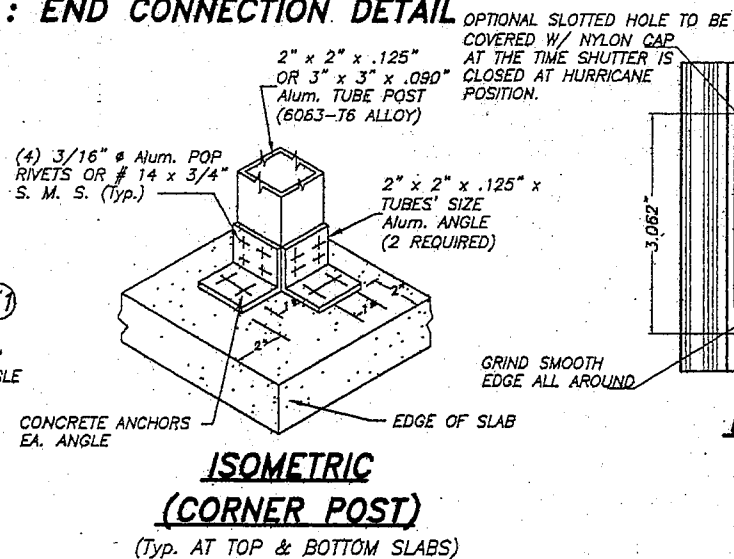
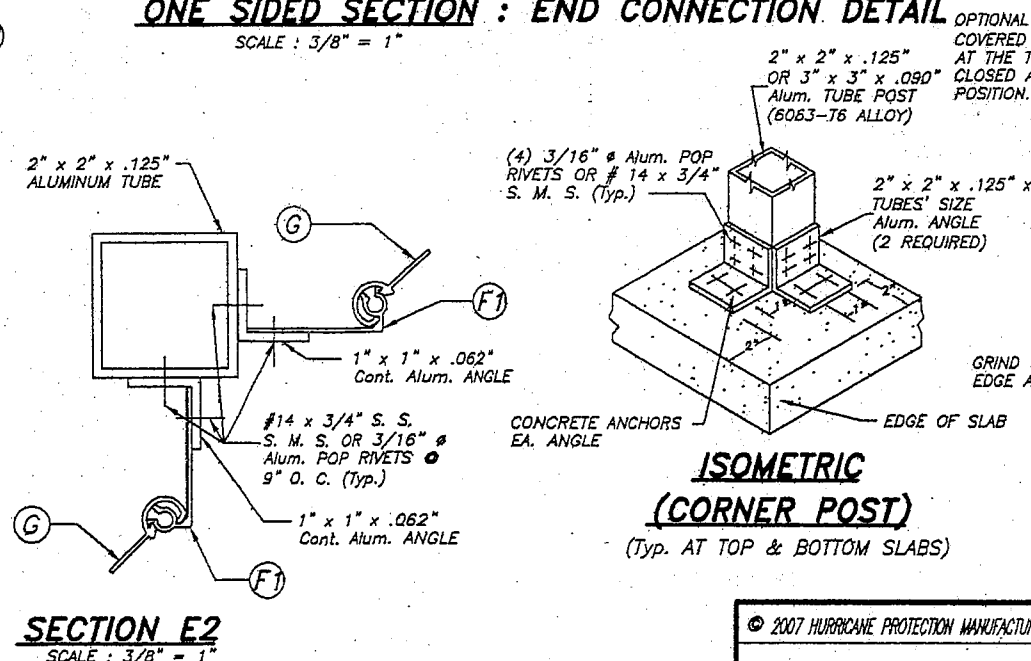
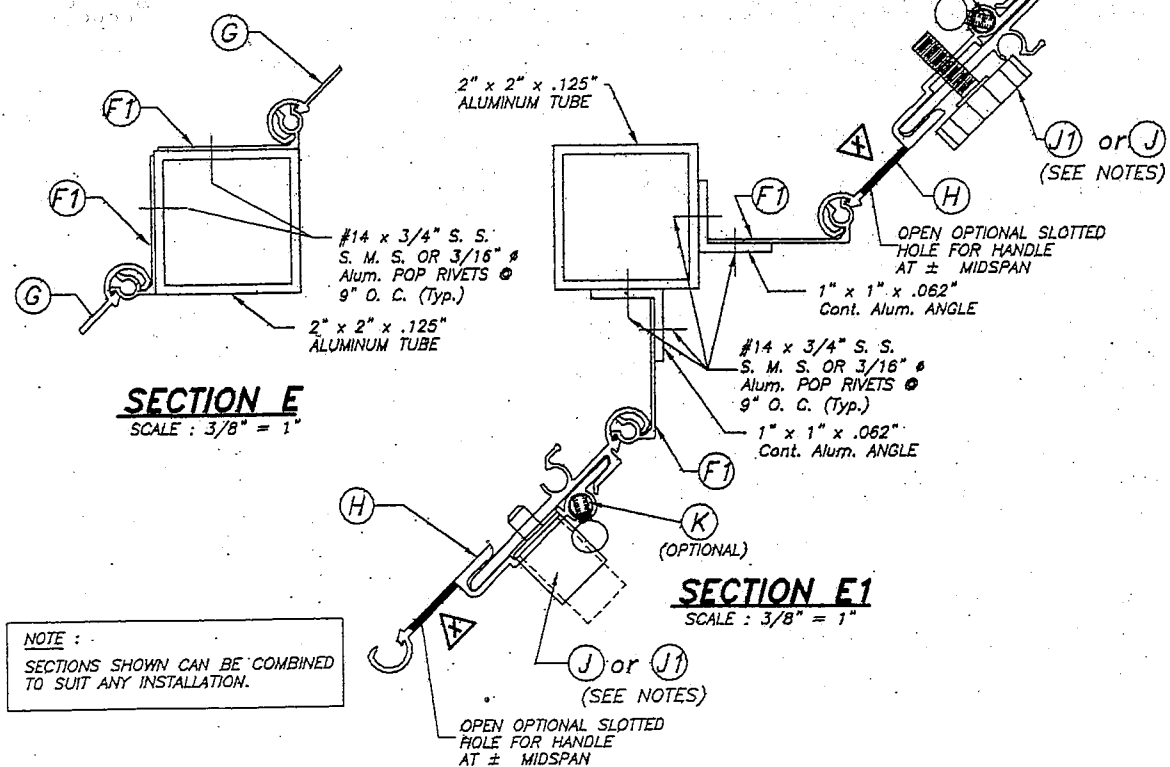
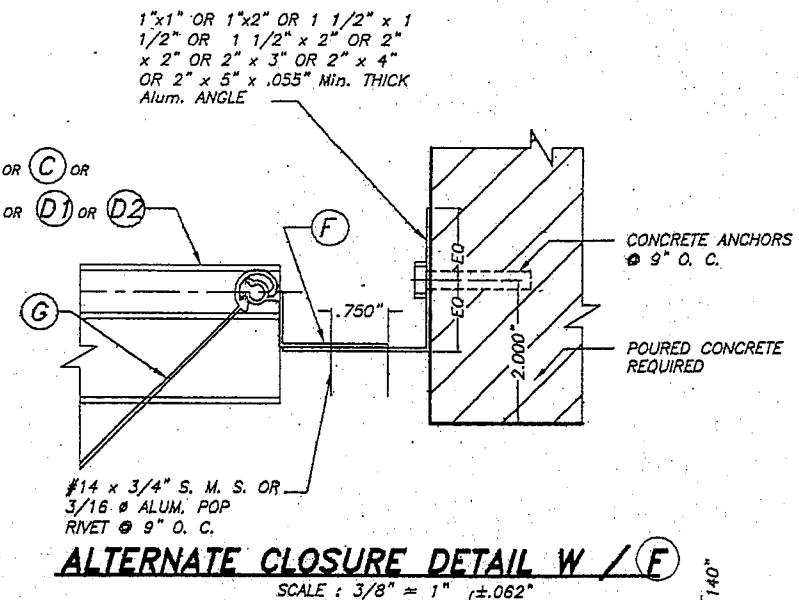
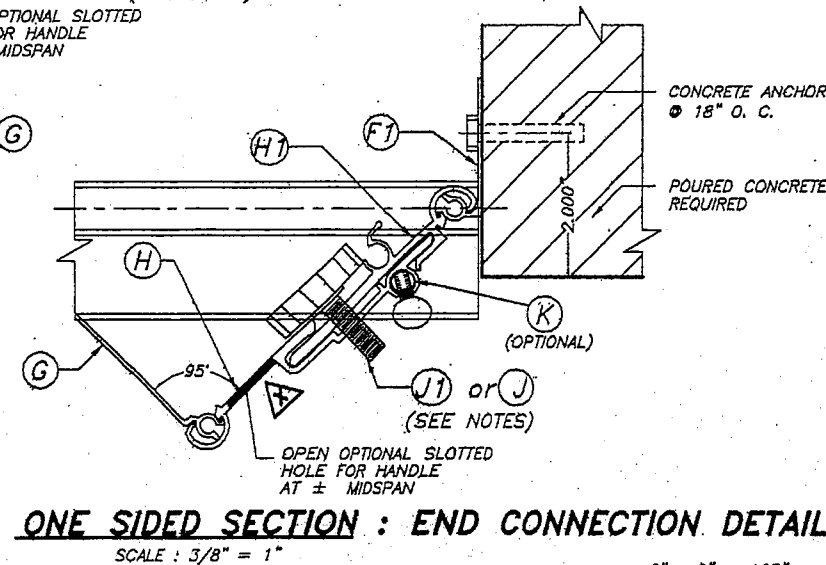
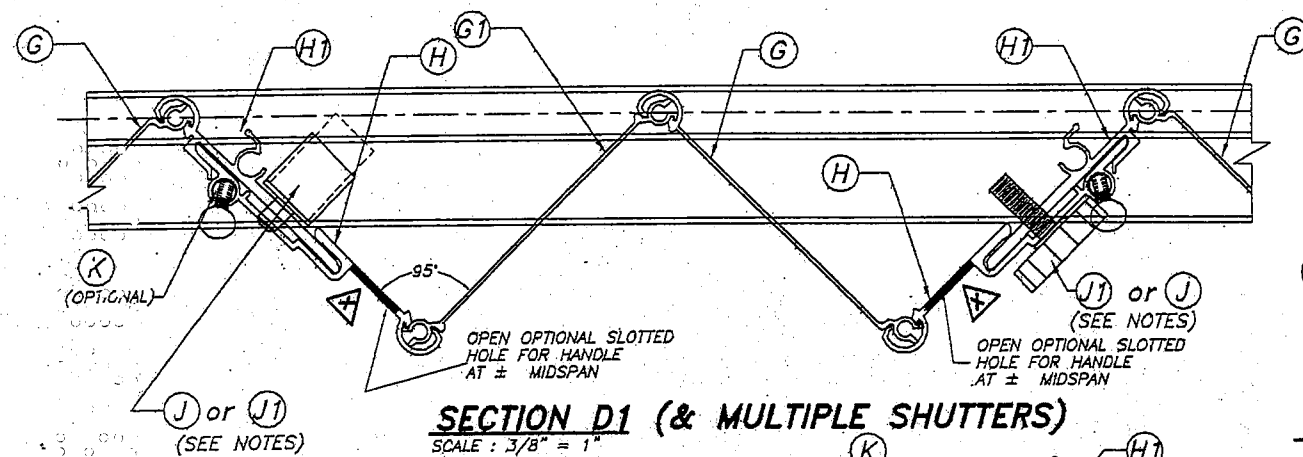




**NOTES FOR LOCKING OF (H) & (H1)**

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) 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) 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.



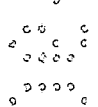
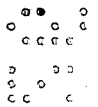
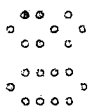
**NYLON CAP DETAIL**  
SCALE : 3/8" = 1"

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0621.01  
Expiration Date 04/23/2011  
By: *Heather A. Miller*  
Miami Data Product Control  
Division

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

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<b>TILTECO INC.</b>		<b>CALLEJA'S ACCORDION SHUTTERS, INC.</b>		06/08/07 DATE	
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		940 WEST 84 STREET HIALEAH, FLORIDA 33014 PH: (305) 828-1213 FAX: (305) 818-9987		07-141 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		
					SHEET 4 OF 6

JUN 12 2007





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

MAXIMUM DESIGN LOAD "W" (p.s.f.)	MAXIMUM SHUTTER SPAN SPAN FOR ALL SECTIONS ♦		MINIMUM SEPARATION TO GLASS (in.) ALL SECTIONS
	Max. PANEL LENGTH L+ (ft.)	Max. PANEL LENGTH L- (ft.)	
40	13'-0"	14'-1"	3"
45	12'-8"	14'-1"	3"
50	12'-4"	14'-1"	3"
55	12'-0"	13'-5"	3"
60	11'-10"	12'-10"	3"
65	11'-6"	12'-4"	3"
70	11'-4"	11'-11"	3"
75	11'-2"	11'-6"	3"
80	11'-0"	11'-2"	3"
85	10'-9"	11'-0"	3"
90	10'-6"	10'-6"	3"
95	10'-2"	10'-3"	2 7/8"
100	9'-11"	9'-11"	2 7/8"
105	9'-9"	9'-8"	2 5/8"
110	9'-6"	9'-6"	2 1/2"
115	9'-3"	9'-3"	2 1/2"
120	9'-1"	9'-1"	2 1/2"
125	8'-10"	8'-10"	2 1/2"
130	8'-6"	8'-6"	2 3/8"
135	-----	8'-2"	2 3/8"
140	-----	7'-11"	2 3/8"
145	-----	7'-7"	2 3/8"
150	-----	7'-4"	2 3/8"
155	-----	7'-1"	2 3/8"
160	-----	6'-11"	2 3/8"
165	-----	6'-8"	2 3/8"
170	-----	6'-6"	2 3/8"
175	-----	6'-4"	2 3/8"
180	-----	6'-1"	2 3/8"
185	-----	5'-11"	2 3/8"
190	-----	5'-10"	2 3/8"
195	-----	5'-8"	2 3/8"

- ♦ NOTES:
- (1) L+: MAXIMUM ALLOWABLE PANEL LENGTH FOR A GIVEN POSITIVE DESIGN LOAD.  
L-: MAX. ALLOWABLE PANEL LENGTH FOR A GIVEN NEGATIVE DESIGN LOAD.
- (2) PROCEDURE TO DETERMINE MAXIMUM PANEL LENGTH FOR WALL MOUNTINGS OR FLOOR/CEILING:
- GIVEN A POSITIVE DESIGN LOAD, DETERMINE MAXIMUM PANEL LENGTH "L+" FROM SCHEDULE.  
GIVEN A NEGATIVE DESIGN LOAD, DETERMINE MAXIMUM PANEL LENGTH "L-" FROM SCHEDULE.
- FINAL MAXIMUM ALLOWABLE PANEL LENGTH IS EQUAL TO THE MINIMUM DETERMINED PANEL LENGTH BETWEEN "L+" AND "L-".

**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 10'-0"	10'-0" TO MAX. ALLOWED	5'-0" OR LESS	5'-0" TO 8'-6"	8'-6" TO 10'-0"	10'-0" TO MAX. ALLOWED
FROM 40.0 TO 60.0	9	9	9	7	9	7	4	-
	9	9	9	5.5	9	8	4.5	-
	9	9	9	7.5	9	9	6.5	3.5
FROM >60.0 TO 75.0	9	9	7.5	5.5	9	3.5	-	-
	9	8.5	6	4.5	9	4	-	-
	9	9	8	6	9	5.5	4	3
FROM >75.0 TO 90.0	9	7	5	5	9	-	-	-
	9	5.5	4	4	9	-	-	-
	9	7.5	5.5	5	9	3.5	-	-
FROM >90.0 TO 120.0	9	4	3.5	-	4	-	-	-
	9	3.5	3	-	4.5	-	-	-
	9	4.5	4	-	6.5	-	-	-
FROM >120.0 TO 170.0	6	3.5	3.5	-	-	-	-	-
	4.5	3	3	-	-	-	-	-
	6.5	4	4	-	3	-	-	-
FROM >170.0 TO 195.0	4.5	3.5	-	-	-	-	-	-
	3.5	3	-	-	-	-	-	-
	5	4	-	-	-	-	-	-

**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	5
	9	9	9	9	9	5.5
	9	9	9	9	9	8
FROM >60.0 TO 75.0	9	9	9	9	7	4
	9	9	9	9	8	4.5
	9	9	9	9	9	6
FROM >75.0 TO 90.0	9	9	9	9	5	3
	9	9	8	9	5.5	3.5
	9	9	9	9	8	5
FROM >90.0 TO 120.0	9	8.5	7.5	7.5	3	-
	9	7	6	8.5	3	3
	9	9	8.5	9	4.5	4
FROM >120.0 TO 170.0	9	7.5	7.5	4	-	-
	9	6	6	4.5	-	-
	9	8	8	6.5	4	4
FROM >170.0 TO 195.0	9	7.5	-	3	-	-
	7.5	6	-	3.5	-	-
	9	8	-	5	4	-

+ MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3" EDGE DISTANCE. FOR E. D. LESS THAN 3", 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
2 1/2"	.86
2"	.75

JUN 1 2 2007

**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 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	6	6	5.5
	6	6	6
	6	6	5.5
FROM >60.0 TO 75.0	6	6	5.5
	6	6	4.5
	6	6	6
FROM >75.0 TO 90.0	6	6	5
	6	5.5	4.5
	6	6	6
FROM >90.0 TO 120.0	6	4.5	4.5
	6	4	3.5
	6	6	6
FROM >120.0 TO 170.0	5.5	4.5	4.5
	5	3.5	3.5
	6	6	6
FROM >170.0 TO 195.0	5	4.5	-
	4	3.5	-
	6	6	-

**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	6	6	6	6	6	6
	6	6	6	6	6	6
	6	6	6	6	6	6
FROM >60.0 TO 75.0	6	6	6	6	6	5
	6	6	6	6	6	6
	6	6	6	6	6	6
FROM >75.0 TO 90.0	6	6	6	6	6	4.5
	6	6	6	6	6	5.5
	6	6	6	6	6	6
FROM >90.0 TO 120.0	6	6	6	6	4.5	4
	6	6	6	6	5	4.5
	6	6	6	6	6	6
FROM >120.0 TO 170.0	6	6	-	5.5	4	4
	6	6	-	6	4.5	4.5
	6	6	-	6	6	6
FROM >170.0 TO 195.0	6	6	-	4.5	4	-
	6	6	-	5	4.5	-
	6	6	-	6	6	-

**ANCHORS LEGEND**

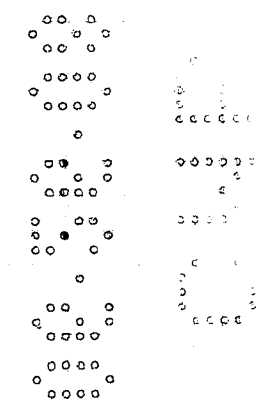
ANCHORS TYPE	MINIMUM ANCHOR SPACING
TAPCON OR MAXI-SET TAPCONS 3192 psi. (MIN.) CONCRETE	3.0"
CALK-IN 3000 psi. (MIN.) CONCRETE	2.5"
CRETE-FLEX SS4 3350 psi. (MIN.) CONCRETE	3.0"

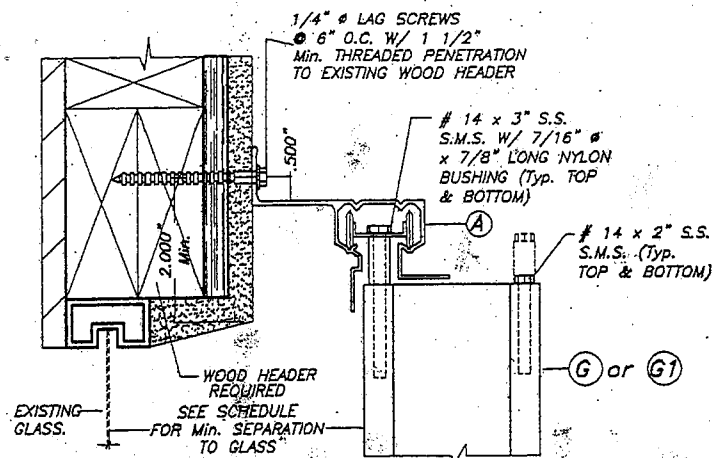
TAPCON OR MAXI-SET TAPCONS
CALK-IN
CRETE-FLEX SS4

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 07-0621-01  
Expiration Date 04/23/2011  
By *Heber A. Mader*  
Miami Dade Product Control  
Division

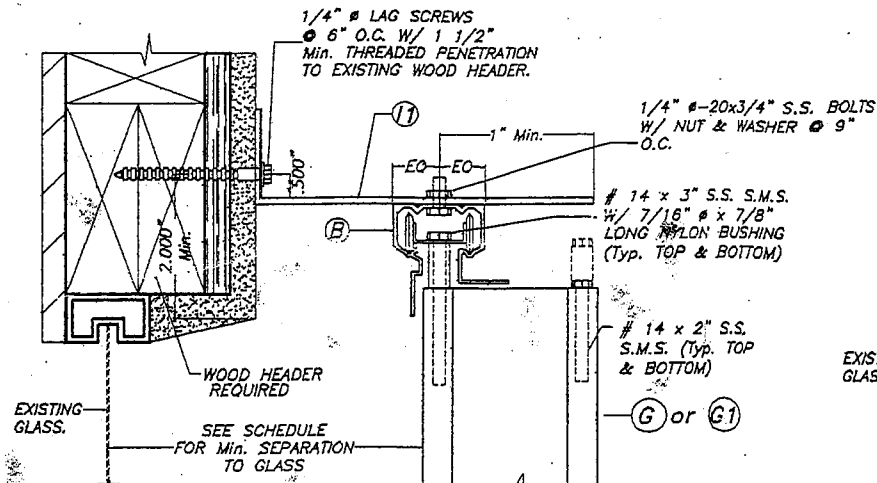
F.B.C. (High Velocity Hurricane Zone)

© 2007 HURRICANE PROTECTION MANUFACTURERS ASSOCIATION		PERFORMANCE SYSTEM 2 ACCORDION SHUTTER		DRAWN BY: F.P.	
 <b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33188 Phone: (305) 871-1530 Fax: (305) 871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		<b>CALLEJA'S ACCORDION SHUTTERS, INC.</b> (H.P.M.A. # 3) 940 WEST 84 STREET HIALEAH, FLORIDA 33014 PH: (305) 828-1213 FAX: (305) 818-9987		06/08/07 DATE	
		07-141 DRAWING No		SHEET 5 OF 6	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-

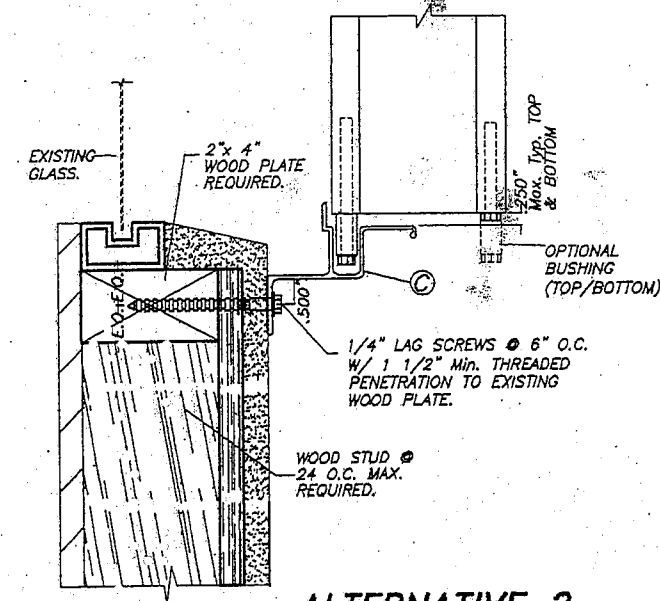




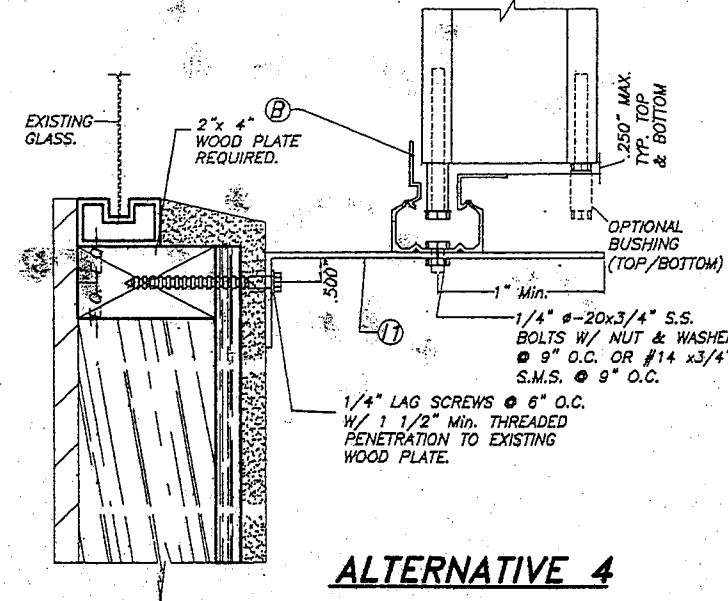
**ALTERNATIVE 1**



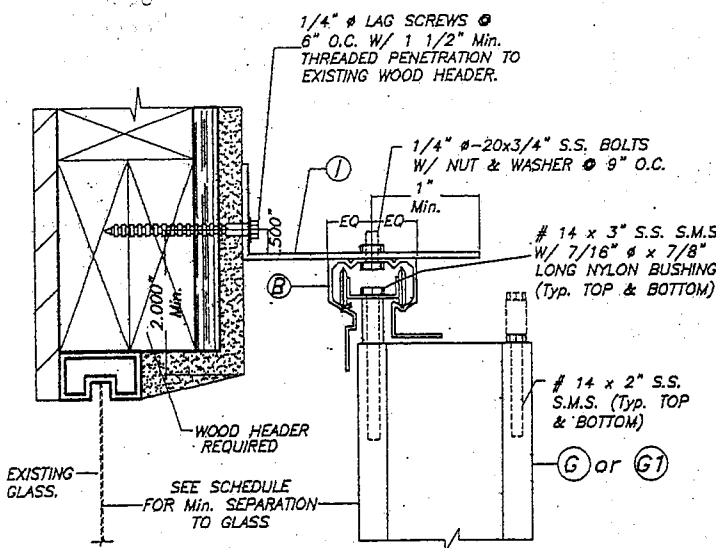
**ALTERNATIVE 3**



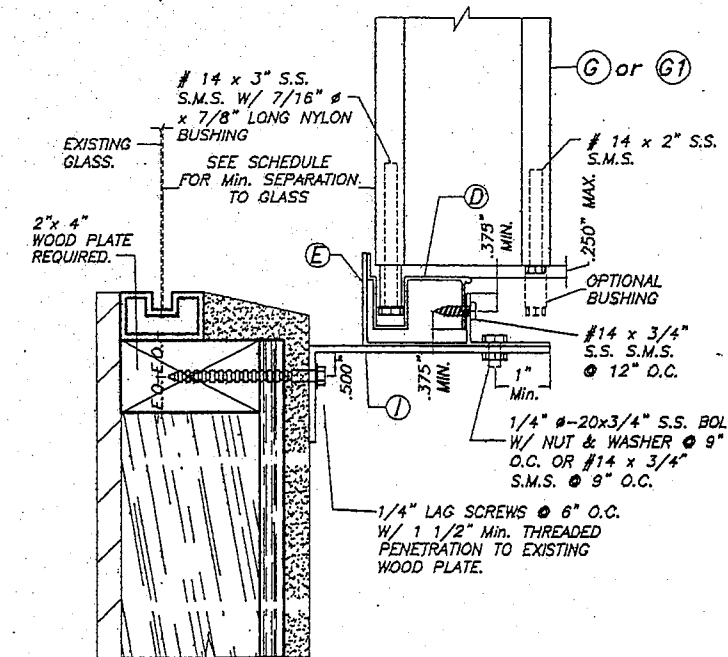
**ALTERNATIVE 2**



**ALTERNATIVE 4**



**ALTERNATIVE 5**



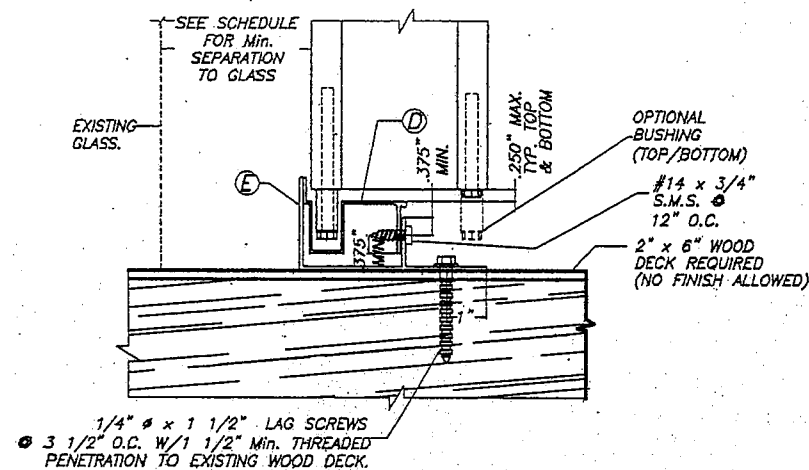
**ALTERNATIVE 6**

**WALL MOUNTING INSTALLATION (OFFSET)**

**SECTIONS A**

SCALE: 1/4"=1"

**ALTERNATIVE 1**



**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:
1. 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.
  2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

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

© 2007 HURRICANE PROTECTION MANUFACTURERS ASSOCIATION		PERFORMANCE SYSTEM 2 ACCORDION SHUTTER		DRAWN BY: F.P.	
<b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th 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		<b>CALLEJA'S ACCORDION SHUTTERS, INC.</b> (H.P.M.A. # 3) 940 WEST 84 STREET HIALEAH, FLORIDA 33014 PH: (305) 828-1213 FAX: (305) 818-9987		06/08/07 DATE	
		07-141 DRAWING No			
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	-	-	3	-	-
2	-	-	4	-	-
				SHEET 6 OF 6	

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 07-0621-01  
Expiration Date 04/23/2011  
By *Helmut A. Miller*  
Miami Dade Product Control  
Division

JUN 12 2007

**INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS**

office copy

*office copy*  
B0803993  
2421N Benth  
Office Copy

City of Miami Beach  
Building Department  
Shutter Permit  
OFFICE COPY

Review Type  
Structural  
Electrical  
Zoning

Initials  
*[Signature]*  
*[Signature]*

Date  
07/02/08  
*[Signature]*

# B1201529

720

## SECTION 1524 HIGH VELOCITY HURRICANE ZONES REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS

1524.1 As it pertains to this section, it is the responsibility of the roofing contractor to provide the owner with the required roofing permit, and to explain to the owner the content of this section. The provisions of Chapter 15 of the Florida Building Code, Building govern the minimum requirements and standards of the industry for roofing system installations. Additionally, the following items should be addressed as part of the agreement between the owner and the contractor. The owner's initial in the adjacent box indicates that the item has been explained.

AR 1. **Aesthetics-Workmanship:** The workmanship provisions of Chapter 15 (High Velocity Hurricane Zone) are for the purpose of providing that the roofing system meets the wind resistance and water intrusion performance standards. Aesthetics (appearance) issues are not a consideration with respect to workmanship provisions. Aesthetic issues such as color of architectural appearance, that are not part of a zoning code, should be addressed as part of the agreement between the owner and the contractor. **NOTICE:** In addition to the requirement of this permit there may be additional restrictions applicable to this property that may be found in the Public Records of this County and there may be additional permits required from other government entities such as water management's districts, state agencies, or federal agencies.

AR 2. **Reroofing Wood Decks:** When reroofing, the existing wood roof deck may have to be reroofed in accordance with the current provisions of Chapter 15 (High Velocity Hurricane Zones) of the Florida Building Code. (The roof deck is usually concealed prior to removing the existing roof system).

AR 3. **Common Roofs:** Common roofs are those which have no visible delineation between neighboring units (i.e. townhouses, condominiums, etc.). For all Common Roofs, Section 1524.1 of the Florida Building Code requires the roofing contractor and/or owner should notify the occupants of adjacent units of roofing work to be performed. **REVIEWED FOR COMPLIANCE**

AR 4. **Exposed Ceilings:** Exposed, open beam ceilings are where the underside of the roof decking can be viewed from below. The owner must maintain the architectural appearance, therefore, roofing nail penetrations of the underside of the decking may not be acceptable. The Florida Building Code provides the option of maintaining this appearance. **NOTICE:** Waterproofing work under this project will require a separate Waterproofing Permit. The roofing contractor must call for all mandatory inspections.

AR 5. **Ponding Water:** The current roof system and/or deck of the building may not drain well and may cause water to pond (accumulate) in low-lying areas of the roof. Ponding can be an indication of structural distress and may require the review of a professional structural engineer. Contractor must call for all required inspections during the installation of the new roofing system. Ponding conditions may not be evident until the original roofing system is removed. Ponding conditions should be corrected. **NOTICE:** Any lightweight insulation or lightweight structural concrete installation will require a separate permit. Contractor must call for all required inspections during the installation of the new roofing system.

AR 6. **Overflow scuppers (wall outlets):** For all reroofing jobs, a sheathing inspection must be done before covering any deck. Contractor must provide that the roof is not overloaded from a build up of water. Permanent edge walls or other roof extensions may block this discharge if overflow scuppers (wall outlets) are not provided. It may be necessary to install overflow scuppers in accordance with the Florida Building Code, Plumbing. For roof recovery, an Engineer letter of inspection for sheathing must be provided with permit application.

AR 7. **Ventilation:** Most roof structures should have some ability to vent natural airflow through the interior of the structural assembly (the building itself). The existing amount of attic ventilation shall not be reduced. It may be beneficial to consider additional venting which can result in extending the service life of the roof.

AR  
Owner's/Agent's Signature

1/16/12  
Date

AR  
Contractor's Signature

2421 N. Bay Rd.  
Property Address

Permit Number

Rev:1/20/2005, Computer Services, Building Department

City of Miami Beach  
Building Department  
Roofing Permit  
OFFICE COPY

Review Type  
Structural  
Zoning  
Engineering  
Public Works

Initials Date Bond  
[Signature] 1/18/12 NA  
[Signature] 1/18/12 NA  
[Signature] 01/19/2012 NA



Florida Building Code Edition 2007  
High Velocity Hurricane Zone Uniform Permit Application Form

**Section A (General Information)**

Master Permit No. \_\_\_\_\_ Process No. \_\_\_\_\_

Contractor's Name \_\_\_\_\_

Job Address 2421 North Bay Road, Miami Beach FL  
35140

**ROOF CATEGORY**

- ☒ Low Slope  
☐ Asphaltic Shingles  
☐ Mechanically Fastened Tile  
☐ Metal Panel/Shingles  
☐ Mortar/Adhesive Set Tile  
☐ Wood Shingles/Shakes  
☐ Prescriptive BUR-RAS 150

Are there  
Gas Vent Stacks?  
Yes ☐ No ☒

**ROOF TYPE**

Type: Natural ☐ LPGX ☐

- ☐ New Roof ☒ Re-Roofing ☐ Recovering ☐ Repair ☐ Maintenance

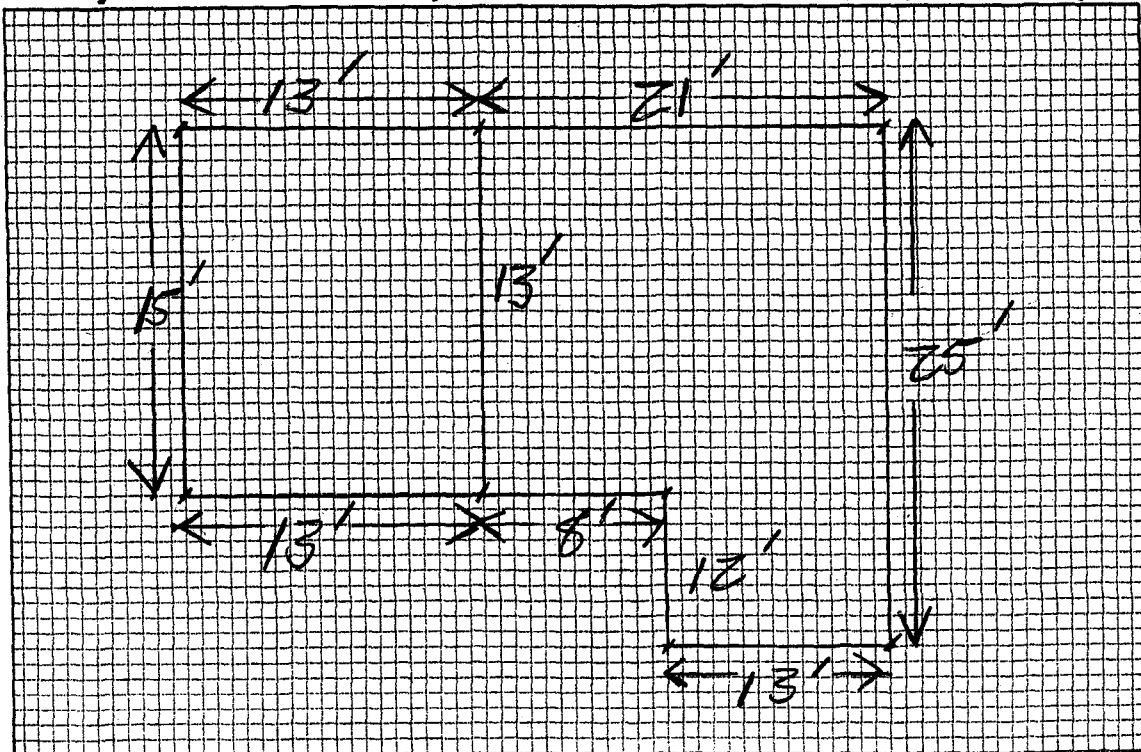
**ROOF SYSTEM INFORMATION**

Low Slope Roof Area (SF) Steep Sloped Roof Area (SF) Total (SF)

720 N/A 720

**Section B (Roof Plan)**

Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.



Florida Building Code Edition 2007  
High-Velocity Hurricane Zone Uniform Permit Application Form

Section C (Low Slope Application)

Fill in specific roof assembly components and identify manufacturer.

*(If a component is not used, identify as "n/a")*

System Manufacturer: GAF Materials Corporation

Product Approval No: 09-0224.01

Design Wind Pressures, From RAS 128 or

Calculations:

Pmax1: -49.2 Pmax2: -82.3 Pmax3: -124.6

Max. Design Pressures, from the specific Product

Approval System: -52.5

Deck Type: Plywood

Gauge/Thickness: 5/8"

Slope: maximum slope ≤ .5/12

Anchor/Base Sheet & No. of Ply(s):

1 # 75 Glass Base Sheet

Anchor/Base Sheet Fastener/Bonding Material:

1 1/4" R.S. Nails & 1 5/8" Tin Caps

Insulation Base Layer: n/a

Base Insulation Size and Thickness: n/a

Base Insulation Fastener/Bonding Material:

n/a

Top Insulation Layer: n/a

Top Insulation Size and Thickness: n/a

Top Insulation Fastener/Bonding Material:

n/a

Base Sheets (s) & No. of Ply(s):

2 Plies of GAFGLAS® #75 Base Sheet

Base Sheet Fastener/Bonding Material:

1 1/4" Ring Shank. Nails & 1 5/8" Tin Caps

Ply Sheet(s) & No. of Ply(s):

n/a

Ply Sheet Fastener/Bonding Material:

n/a

Top Ply: Ruberoid® SBS Heat-Weld™ 170 FR

Top Ply Fastener/Bonding Material:

Heat Fused

Surfacing: n/a

Fastener Spacing for Anchor / Base Sheet

Attachment

Field: 9" o/c at the Laps and 2 Rows 9" o/c

Perimeter: 6" o/c at the Laps and 4 Rows 6" o/c

Corner: 9" o/c at the Laps and 4 Rows 9" o/c

Number of Fastener per Insulation Board

Field: n/a Perimeter n/a: Corner: n/a

**Illustrate:** Components Noted and Details as Applicable

Woodblocking, Gutter, Edge, Termination, Stripping, Flashing Continuous Cleat, Cant Strip, Base Flashing, Counter Flashing **Indicate:** Mean Roof Height, Parapet Height, Height of Base Flashing, Component Material, Material Thickness, Fastener Type, Fastener Spacing, or Submit

**Applicable Details**

**Roof Mean Height:** ≤ 20 ft.

Parapet Wall Height: n/a ft.

Edge Metal Size & Gauge: Galvanized 3" Eave

Drip 26 Gauge Fastened 4" o/c with 1 1/4" Ring

Shank Nails

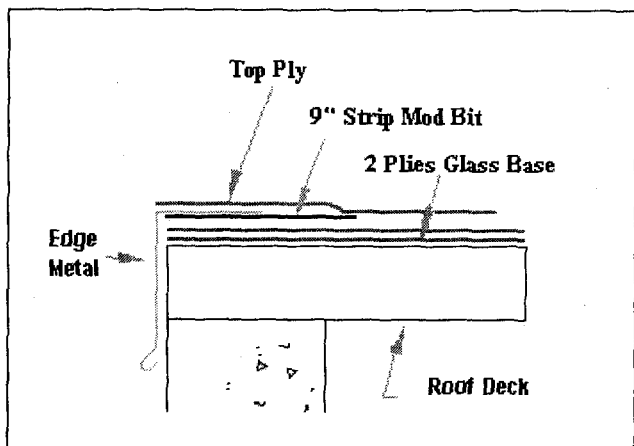
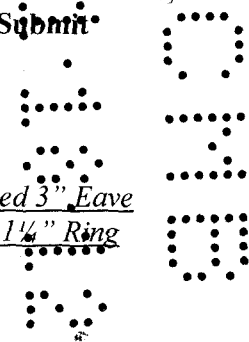
Wood Nailer Type: n/a

Wood Nailer Attachment: n/a

Coping Metal Type: n/a

Cleat Size: n/a

Coping Metal Attachment: n/a



**Membrane:** — One ply "Ruberoid® Torch Smooth" or "Ruberoid® Mop Smooth" or "Ruberoid® Mop Smooth 1.5" or "Ruberoid® Mop Smooth Plus" or "Ruberoid® Dual Smooth."  
**Membrane:** — One ply "Ruberoid® Mop FR" or "Ruberoid® EnergyCap™ Mop Plus FR."

56. **Deck:** NC

**Incline:** 1

**Insulation (Optional):** — Polyisocyanurate, wood fiber, perlite, glass fiber, any thickness, hot mopped or mechanically fastened.  
**Base Sheet:** — One or more plies Type G2 "GAFLAS® #75 Base Sheet", or "Tri-Ply® #75 Base Sheet", mechanically fastened.  
**Ply Sheet:** — One or more plies "Ruberoid® 20" or "Ruberoid® 20 HT" or "Ruberoid® Dual Smooth" hot mopped in place.  
**Membrane:** — One ply "Ruberoid® SBS Heat Weld Plus FR" or "Ruberoid® SBS Heat Weld 170 FR" heat welded in place.

57. **Deck:** C-15/32

**Incline:** 1/2

**Base Sheet:** — Two or more plies Type G2 "GAFLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet" mechanically fastened.  
**Membrane:** — One ply "Ruberoid® SBS Heat Weld Plus FR" or "Ruberoid® SBS Heat Weld 170 FR" heat welded in place.

58. **Deck:** NC

**Incline:** 1/2

**Base Sheet:** — "Ruberoid® Mop Smooth" or "Ruberoid® Mop Smooth 1.5" or "Ruberoid® Mop Smooth Plus" or "Ruberoid® Dual Smooth" hot mopped or "Ruberoid® SBS Heat Weld Smooth" heat welded.  
**Membrane:** — "Ruberoid® SBS Heat Weld Plus FR" or "Ruberoid® SBS Heat Weld 170 FR" heat welded.

59. **Deck:** NC

**Incline:** 1/2

**Insulation (optional):** — Polyisocyanurate, uniform thickness of tapered minimum 1½-in. mechanically fastened or adhered with OMG Inc. "Olybond Fastening System"  
**Barrier Board:** — Minimum ¼-in. thick GP Gypsum Corp. "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum ¼-in. thick United States Gypsum Corp. "SECUROCK® Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) mechanically fastened or adhered with OMG Inc. "Olybond Fastening System"  
**Base Sheet:** — 1 ply "Liberty SBS Self-Adhering Base/Ply Sheet" or "Ruberoid® SA Base/Ply Sheet" self adhered  
**Ply Sheet:** — 1 ply "Ruberoid® SBS Heat Weld 25" heat fused  
**Membrane:** — 1 ply "Ruberoid® SBS Heat Weld Plus FR" or "Ruberoid® SBS Heat Weld 170 FR" heat fused

60. **Deck:** C-15/32

**Incline:** 1/2

**Insulation (optional):** — Polyisocyanurate, uniform thickness of tapered minimum 1½-in. mechanically fastened or adhered with OMG Inc. "Olybond Fastening System"  
**Barrier Board:** — Minimum ¼-in. thick GP Gypsum Corp. "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum ¼-in. thick United States Gypsum Corp. "SECUROCK® Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) with all butt joints in the barrier board staggered a minimum of 6-in. from plywood deck butt joints mechanically fastened or adhered with OMG Inc. "Olybond Fastening System"  
**Base Sheet:** — 1 ply "Liberty SBS Self-Adhering Base/Ply Sheet" or "Ruberoid® SA Base/Ply Sheet" self adhered  
**Ply Sheet:** — 1 ply "Ruberoid® SBS Heat Weld 25" heat fused  
**Membrane:** — 1 ply "Ruberoid® SBS Heat Weld Plus FR" or "Ruberoid® SBS Heat Weld 170 FR" heat fused

61. **Deck:** C-15/32

**Incline:** ½

**Barrier Board:** — Minimum ¼-in. thick GP Gypsum Corp. "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum ¼-in. thick United States Gypsum Corp. "SECUROCK® Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) with all butt joints in the barrier board staggered a minimum of 6-in. from plywood deck butt joints mechanically fastened  
**Base Sheet:** — 1 ply "GAFLAS® #75 Base" or "Tri-Ply® #75 Base Sheet" mechanically fastened  
**Membrane:** — 1 ply "Ruberoid® Torch FR" heat welded

62. **Deck:** NC

**Incline:** 2

**Insulation (Optional):** — One or more layers perlite, wood fiber, glass fiber, polyisocyanurate, perlite/polyisocyanurate composite, wood fiber/polyisocyanurate composite, any thickness mechanically fastened or adhered with any UL Classified insulation adhesive.  
**Base Sheet:** — One ply Type G2 "GAFLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet", or "GAFLAS® Ply 6" fully adhered with hot roofing asphalt.  
**Ply Sheet (optional):** — Three or more plies Type G1 "GAFLAS® Ply 4" or "Tri-Ply® Ply 4", or "GAFLAS® Ply 6" fully adhered with hot roofing asphalt.  
**Membrane (optional):** — "Ruberoid® Mop Plus Granule" or "Ruberoid® Mop Granule" or "Ruberoid® 30" or "Ruberoid® 30 FR" or "Ruberoid® 30 FR HT" or "Ruberoid® EnergyCap™ SBS 30 FR" or "Ruberoid® Mop Smooth" or "Ruberoid® Mop Smooth 1.5" or "Ruberoid® Mop Smooth Plus" or "Ruberoid® Mop 170" or "Ruberoid® Mop 170 FR" or "Ruberoid® Dual Smooth" fully adhered with hot roofing asphalt or "Ruberoid® SBS Heat Weld 170 FR" or "Ruberoid® SBS Heat Weld Plus FR" or "Ruberoid® SBS Heat Weld Smooth" heat fused  
**Surfacing:** — Roofing gravel applied at 400-lbs/100-ft<sup>2</sup> embedded into a flood coat of hot roofing asphalt or No. 10 White Aggregate applied at a rate of 200-lbs/100-ft<sup>2</sup> embedded into "Fire Shield MB" applied at 2½ - 3-gal./100-ft<sup>2</sup>.  
**Top Surfacing:** — "EnergyCote™," applied at 0.5 - 1.0-gal./100-ft<sup>2</sup>.

# B1201529



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)

**GAF Material Corporation**  
1361 Alps Road  
Wayne, NJ 07470

### 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 the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

**NOTICE:** In addition to the requirement of this permit there may be additional restrictions applicable to this property that may be found in 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 tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer shall 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 Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: GAF RUBEROID® Modified Bitumen Roof System for Wood Decks.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, and 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 No. 07-1203.01 and consists of pages 1 through 31.  
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 09-0224.01  
Expiration Date: 11/06/13  
Approval Date: 04/08/09  
Page 1 of 31

**Membrane Type:** APP/SBS Heat Weld  
**Deck Type 1:** Wood, Non-insulated  
**Deck Description:**  $\frac{19}{32}$ " or greater plywood or wood plank decks  
**System Type E(2):** Base sheet mechanically fastened.

**All General and System Limitations shall apply.**

**Fire Barrier:** FireOut™ Fire Barrier Coating, VersaShield® Non-Asphaltic Fiberglass-Based Underlayment or Securock™.  
**(optional)**

**Base sheet:** GAFGLAS® #80 ULTIMA™ Base Sheet, STRATAVENT® Eliminator™ Nailable, RUBEROID® Modified Base Sheet, RUBEROID® MOP Smooth, RUBEROID® 20, RUBEROID® SBS Heat-Weld™ Smooth or RUBEROID® SBS Heat-Weld 25 base sheet mechanically fastened to deck as described below;

**Fastening Options:** GAFGLAS® Ply 4, GAFGLAS® Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the lap staggered and in two rows 12" o.c. in the field.

*(Maximum Design Pressure -45 psf, See General Limitation #7)*

GAFGLAS® Ply 4, GAFGLAS Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec™ #12 standard, #14 or #15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 12" o.c. in 3 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 12" o.c. in the field of the sheet.

*(Maximum Design Pressure -45 psf, See General Limitation #7)*

GAFGLAS® Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the 4" lap staggered and in two rows 9" o.c. in the field.

*(Maximum Design Pressure -52.5 psf, See General Limitation #7)*

GAFGLAS® #80 ULTIMA™, RUBEROID® 20, RUBEROID® Mop Smooth, base sheet attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the 4" lap staggered and in two rows 9" o.c. in the field.

*(Maximum Design Pressure -60 psf, See General Limitation #7)*

GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec™ #12 standard, #14 or #15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 12" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet.

*(Maximum Design Pressure -60 psf, See General Limitation #7)*

Any of above Base sheets attached to deck approved annular ring shank nails and 3" inverted Drill-Tec™ insulation plates at a fastener spacing of 9" o.c. at the 4" lap staggered in two rows 9" in the field.

*(Maximum Design Pressure -60 psf, See General Limitation #7)*



GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 8" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet. (Maximum Design Pressure -75 psf, See General Limitation #7)

**Ply Sheet:**

(Optional except over RUBEROID® Modified Base Sheet, RUBEROID® MOP Smooth, RUBEROID® 20, RUBEROID® SBS Heat-Weld™ Smooth or RUBEROID® SBS Heat-Weld™) One or more plies GAFGLAS® PLY 4 or GAFGLAS® Flex Ply™ 6 sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. or RUBEROID® Torch Smooth torch applied according to manufacturer's application instructions.

**Membrane:**

One ply of RUBEROID® Torch Smooth, RUBEROID® Torch Granule, Roof Match™ APP Torch Granule, RUBEROID® EnergyCap™ Torch Granule FR, RUBEROID® Torch Plus Granule, RUBEROID® EnergyCap™ Torch Plus FR, or RUBEROID® Torch FR torch applied according to manufacturer's application instructions.

Or

One or more plies of RUBEROID® SBS Heat-Weld™ PLUS, RUBEROID® SBS Heat-Weld™ PLUS FR, RUBEROID® SBS Heat-Weld™ 170 FR, RUBEROID® EnergyCap™ SBS Heat-Weld™ Plus FR, RUBEROID® SBS Heat-Weld™, RUBEROID® SBS Heat-Weld™ Smooth, RUBEROID® ULTRACLAD® SBS, and RUBEROID® SBS Heat-Weld™ 25 applied according to manufacturer's application instructions.

**Surfacing:**

(Optional, required if RUBEROID® MOP Smooth or RUBEROID® 20 is top membrane) Install one of the following:

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq. or applied in a flood coat of Leak Buster™ Matrix™ 103 Cold Process Adhesive applied at a rate of 3 gal./sq.
2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® Energy Cap Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3. Leak Buster™ Matrix™ 303 Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq.
4. Leak Buster™ Matrix™ 715, Leak Buster™ Matrix™ 322, TOPCOAT® MB+, TOPCOAT® Fireshield Elastomeric Roofing Membrane, applied at 1 to 1.5 gal./sq.
5. Leak Buster™ Matrix™ 602 MB Xtra Elastomeric Roofing Membrane, EnergyCote® roof coating applied at 1 to 1.5 gal./sq.
6. TOPCOAT® Surface Seal, TOPCOAT® Fireshield® SB Solvent based Elastomeric Roofing Membrane applied at 1 to 1.5 gal./sq.
7. Advance Green Technologies Photovoltaic Laminate solar energy collector auxiliary roof equipment installed in compliance with manufacturer's specifications and applicable Building Codes.

**Maximum Design Pressure:**

See Fastening Above

MIAMI-DADE COUNTY  
APPROVED

NOA No.: 09-0224.01  
Expiration Date: 11/06/13  
Approval Date: 04/08/09  
Page 30 of 31

## WOOD DECK SYSTEM LIMITATIONS:

1. A slip sheet is required with Ply 4 and Flex Ply™ 6 when used as a mechanically fastened base or anchor sheet.
2. Minimum ¼" Dens Deck or ½" Type X gypsum board is acceptable to be installed directly over the wood deck.

## GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer.
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.  
**Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant (When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). (When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

**END OF THIS ACCEPTANCE**

MIAMI-DADE COUNTY  
APPROVED

NOA No.: 09-0224.01  
Expiration Date: 11/06/13  
Approval Date: 04/08/09  
Page 31 of 31

48 HOURS PRIOR TO EXCAVATING  
CONTRACTOR SHALL CALL FOR LOCATION  
OF UNDERGROUND UTILITIES  
SUNSHINE ONE-CALL 1-800-432-4770  
CITY OF MIAMI BEACH 385-673-7080

**PUBLIC WORKS  
PLAN REVIEW NOTICE**

Phone 305-673-7080

Fax 305-673-7028

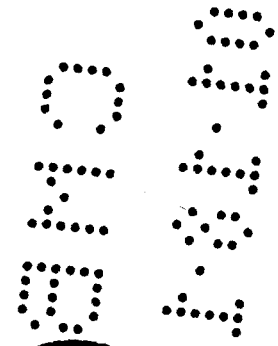
THIS PLAN REVIEW CONSTITUTES APPROVAL FOR  
OBTAINING BUILDING PERMITS ONLY.

All construction and/or use of equipment in the right-of-way and/or  
easements, requires a separate Public Works Department permit prior  
to start of construction.

Permit Requirements: Proof of existing sidewalk/swale area conditions  
(pictures) and/or posting of sidewalk/roadway bonds  
(Public Works Inspection of the right-of-way will be required prior to  
final sign-off on the C.C. / C.O., or the release of bonds.)

Approved/Reviewed By: \_\_\_\_\_

Date: \_\_\_\_\_



B120 1529

2421

N.

Bay

Rd.

OFF.

COPY

City of Miami Beach  
Building Department  
Roofing Permit  
OFFICE COPY

Review Type  
Structural  
Zoning  
Engineering  
Public Works

Initials  
[Signature]  
[Signature]


Date  
1/18/12  
1/18/12

Bond  
N/A  
N/A  
N/A

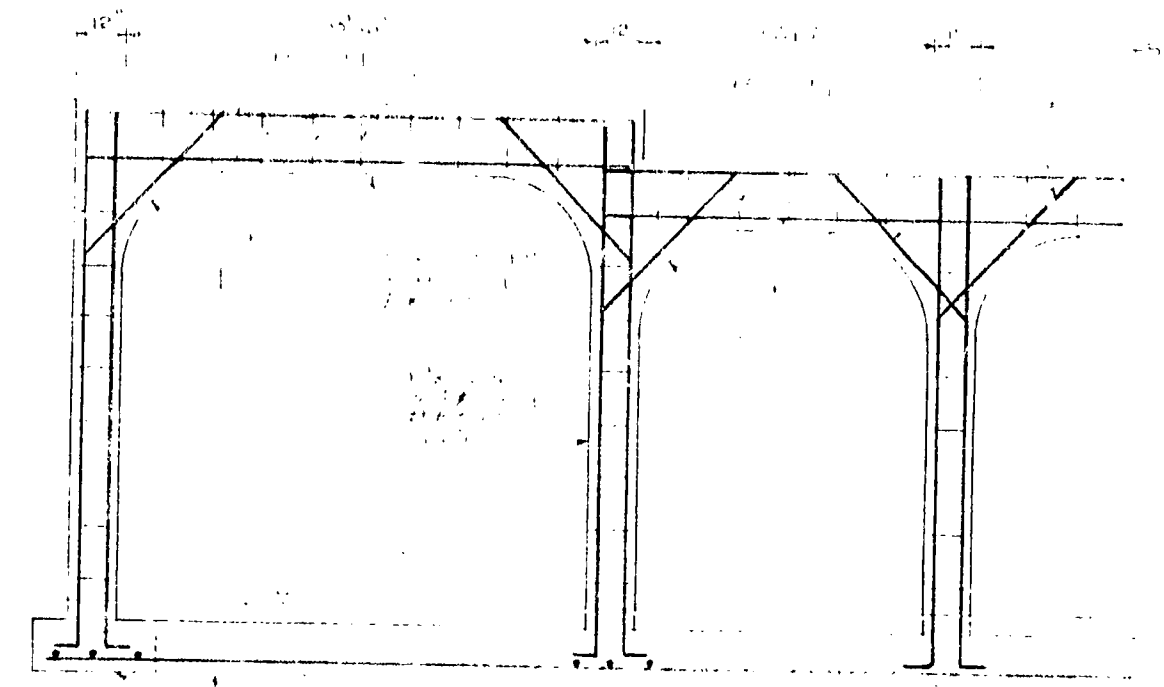
01/19/2012

2-23-71

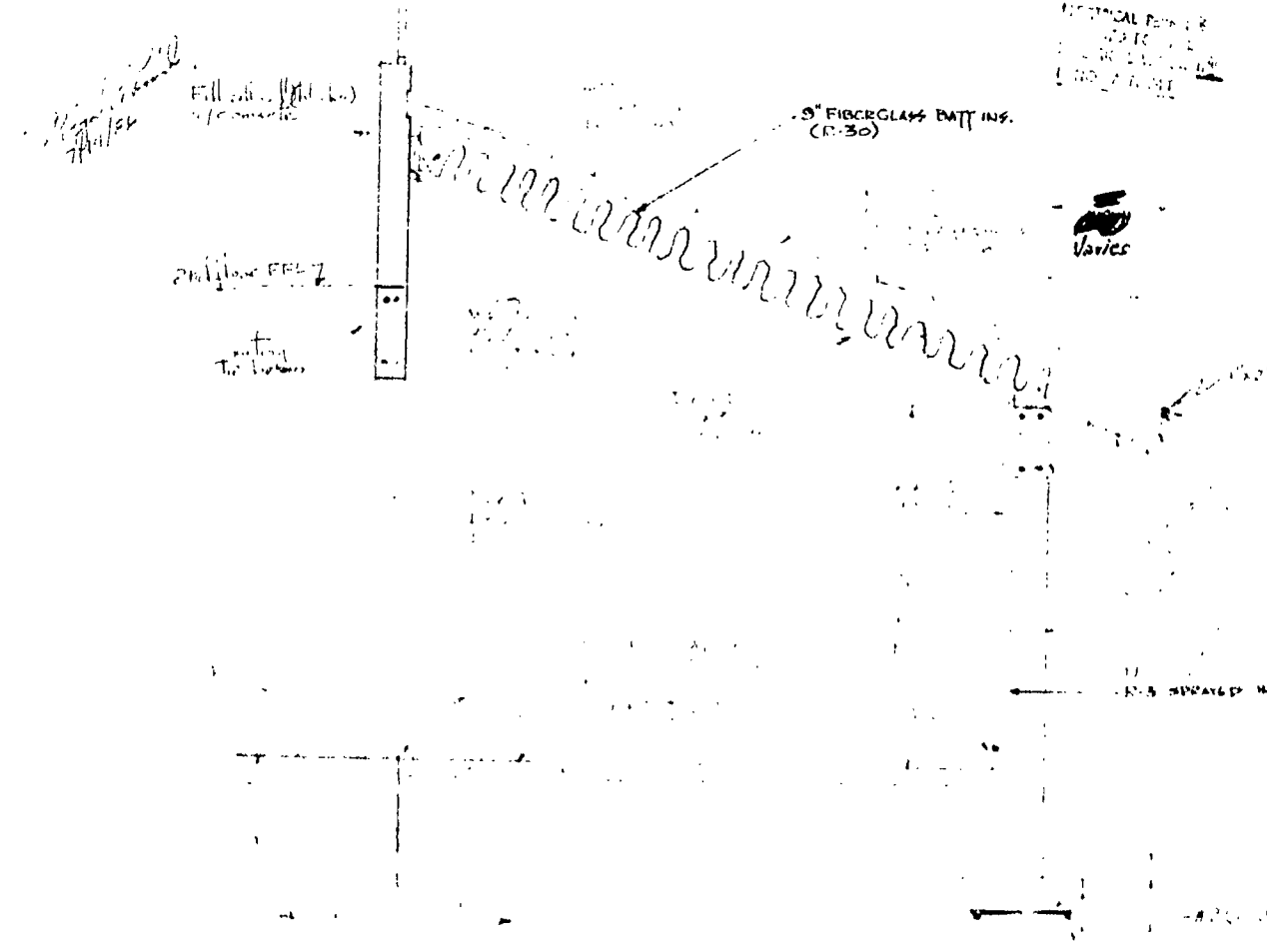
91831



Architectural drawing of a building section or elevation.



Architectural drawing of a building section or elevation.



Architectural drawing of a building section or elevation.

**OFFICE COPY**  
 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

PLANNING:	<i>[Signature]</i>
ZONING:	<i>[Signature]</i>
PLANNING:	<i>[Signature]</i>
ELECTRICAL:	<i>[Signature]</i>
Mechanical:	<i>[Signature]</i>
PERMITS:	<i>[Signature]</i>
ENCLOSURES:	<i>[Signature]</i>

**MIGUEL A. FERNANDEZ**  
**ARCHITECT**  
 10340 S.W. 27 ST., MIAMI, FL. 33165 PH: 305-2232010

RECEIVED  
 JUN 30 1985

SCALE: 1/8" = 1'-0"	ADDITION TO R.M.R.S.
DATE: 6/26/85	JOSE W. RODRIGUEZ
	PERMITTEE
	1111 NORTH BAY ROAD
	MIAMI BEACH

918/31

DEVELOPMENT SERVICES ENGINEERING PLANS REVIEW

TO: PUBLIC WORKS DEPARTMENT - Engineering Division

LEGAL DESCRIPTION: Lot 16, Block 15, Sunset Lake

LEGAL ADDRESS: 1411 S. Bry Rd.

PLAN DESCRIPTION: Addition to residence

THE ABOVE PLAN SUBMITTED TO THIS DEPARTMENT NEEDS THE FOLLOWING CORRECTIONS:

GARBAGE FACILITIES: To use existing facilities

SANITARY SEWER: To use existing facilities

WATER: To use existing facilities

DRAINAGE: Six yards to be paved so as to not shed water to neighboring properties.

GRADES: All electrical equipment, outlets, electric meter, bearing equipment, hot water tanks, air conditioning cond. unit, must be at or above 4.81 U.S.C.F.S. E.S. datum elevation. Foundation less than 10" value of existing building.

ENCROACHMENTS: None

EASEMENTS:

PUBLIC WORKS DEPARTMENT PERMITS REQUIRED FOR WORK DONE ON CITY PROPERTY.

COMMENTS: Public works Department street permit required for work done on city property. Sanitary/sewer sections at site plan/cut and edited to be removed and replaced where necessary.

SIGNATURE: \_\_\_\_\_ COMPANY: \_\_\_\_\_ PHONE NO. \_\_\_\_\_

APPROVED FOR PERMIT SUBJECT TO THE ABOVE CORRECTIONS

DAN SKUPISH, DIRECTOR  
DEVELOPMENT SERVICES

original/Plan Review yellow/Job Copy pink/Office Copy goldenrod/Public Works

CITY OF MIAMI

1411 S. BRY RD. LOT 16, BLOCK 15, SUNSET LAKE

ENGINEER: \_\_\_\_\_

DATE: \_\_\_\_\_

1411 S. BRY RD. LOT 16, BLOCK 15, SUNSET LAKE

ENGINEER: \_\_\_\_\_

DATE: \_\_\_\_\_

1411 S. BRY RD. LOT 16, BLOCK 15, SUNSET LAKE

ENGINEER: \_\_\_\_\_

DATE: \_\_\_\_\_

PROCESS NUMBER 690

DISAPPROVED FOR THE FOLLOWING REASONS:

DATE 7/2/86

BY: RM

S.F.R.C. 2403 requires bus required (C)(2)

ledger board must be bolted to a so

where ledger board is to be bolted

the cell must be poured

1st dropside must be poured

91831

Architectural drawing of a building with handwritten notes and a permit stamp.

Handwritten notes on the drawing include:

- Top center: *100% Complete (Check for errors) Miguel A. Fernandez*
- Bottom center: *100% Complete (Check for errors) Miguel A. Fernandez*
- Bottom right: *100% Complete (Check for errors) Miguel A. Fernandez*

Permit stamp information:

**OFFICE COPY**  
 CITY OF MIAMI BEACH  
 APPROVED FOR PERMIT BY  
 THE FOLLOWING:

BUILDING: *[Signature]*  
 ZONING: *[Signature]*  
 PLUMBING: *[Signature]*  
 ELECTRICAL: *[Signature]*  
 MECHANICAL: *[Signature]*  
 FIRE PREVENTION: *[Signature]*  
 ENGINEERING: *[Signature]*

**MIGUEL A. FERNANDEZ**  
 ARCHITECT  
 10390 S.W. 27 ST., MIAMI, FL. 33185 PH: 306-2238010

RECEIVED  
 JUN 30 1986

REVISIONS:

NO.	DESCRIPTION	DATE
1	ADDITION TO MR. & MRS. JOSE V. F. RIVERA	
2	100% COMPLETE	
3	100% COMPLETE	
4	100% COMPLETE	
5	100% COMPLETE	
6	100% COMPLETE	
7	100% COMPLETE	
8	100% COMPLETE	
9	100% COMPLETE	
10	100% COMPLETE	

91831



**CITY OF MIAMI BEACH**  
**Building Department**  
**1700 Convention Ctr Drive, 2nd Floor**  
**Miami Beach, Florida 33139**

**Inspections: (305) 673-7370**

**Office: (305) 673-7610**

**Bldg Small Work Permit**

**04-24-2008**

**Activity Number: B0802916**

Status: APPROVED

Issued By: BUILWILR

Site Address: 2421 N BAY RD MBCH

Applied: 04/23/2008

Parcel #: 32270080930

Approved: 04/24/2008

Completed:

To Expire: 10/21/2008

Valuation: \$10,500.00

Applicant: ZARA INCORPORATED  
420 SW 18 TERRACE  
MIAMI 33129

Property Owner: JOSE RODRIGUEZ & W AIDA A  
2421 N BAY RD  
MIAMI BEACH FLA 331404262 305/856-6123 OFFICE

**CONDITION(s):**

Description: **Rerf flat to flat 2000sf**

Inspector Area: S Class Code: R3

**DETAIL LIST**

**Alteration/Repair Fees**

Alteration Bulding/Structures - Per Costs:	\$0.00	\$0.00
Awning, Canopy, Patio Cover - Per Costs:	\$0.00	\$0.00
Area Under Roof - RADON - Per Sq.Ft.:	0	\$0.00
Walk-Thru - Per Valuation:	\$0.00	\$15.00
Repairs to Building/Structure - Per Costs:	\$0.00	\$0.00
Roofing or Re-roofing - Per Sq.Ft.:	2000	\$75.00
Window/Doors - Per # of:	0	\$0.00
Signs 36-4 (Writer/Erect) - Per Sq.Ft.:	0	\$0.00
Fence and/or Wall - Per Linear Feet:	0	\$0.00
Partial Demo (Struct, Sign, Wall) - Per Costs:	\$0.00	\$0.00
Swimming Pool - Per Gallon:	0	\$0.00
Painting - Per Costs:	\$0.00	\$0.00
Sandblasting - Per Costs:	\$0.00	\$0.00
Paving - Per Sq.Ft.:	0	\$0.00
Concrete Slab - No Paving - Per Sq.Ft.:	0	\$0.00
Trees - Per # of:	0	
Hedges - Per Linear Feet:	0	
Groundcover - Per Sq.Ft.:	0	
Landscaping Fee:		\$0.00
Other Fees:		\$0.00
Penalty Fee (If Applicable):		\$0.00

**Activity Number: B0802916****Fire Safety Fees**

New Building or Addition - Per Sq.Ft.:	0	\$0.00
Storage/Industrial Bldg - E & F Occup - Per Sq.Ft.:	0	\$0.00
Greenhouse/Argiculture on Premises - Per Sq.Ft.:	0	\$0.00
Screen Enclosure/Trail on Premises - Per Sq.Ft.:	0	\$0.00
SS Underground Tanks/App Shelter - Per #:	0	\$0.00
Construction not shown Above - Per Costs:	\$0.00	\$0.00
Alt/Repair Building/Structure - Per Costs:	\$0.00	\$0.00

**Marine Structure Fee**

Dock Area - Per Sq.Ft.:	0	\$0.00
Seawall - Per Linear Feet:	0	\$0.00
Boat Lifts, Davits, Hoist - Per # of:	0	\$0.00
Batter, Mooring, Dock Piles - Per # of:	0	\$0.00
Marine Structure Alt/Repair - Per Costs:	\$0.00	\$0.00

**SFBC Compliance Surcharge**

New Const/Add - Res/Mult-Fam/Comm - Per Sq.Ft.:	0	\$0.00
New Const/Add - Strg/Ind/Msc - Per Sq.Ft.:	0	\$0.00
Cost for Other Construction:		\$0.00

**Training Fee**

Training Fee:		\$11.00
Sanitation Fee:		\$31.50

**Additional Fees**

1st Reinspection:		\$0.00
Continued Reinspections - Per # of:	0	\$0.00
Building Joint Inspections - Per # of:	0	\$0.00
Change of Contractor Per # of:	0	\$0.00
Permit Extension - Per # of:	0	\$0.00

Residential Card:

Commercial Card:

Permit Card Replacements:		\$0.00
---------------------------	--	--------

Lost Plan Fee - SF:		\$0.00
---------------------	--	--------

Lost Plan Fee - Other:		\$0.00
------------------------	--	--------

Overtime Inspection Fees:		<u>\$0.00</u>
---------------------------	--	---------------

Total of All Fees:		\$139.10
--------------------	--	----------

Total of Payments:		\$139.10
--------------------	--	----------

Balance Due:		\$0.00
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=====



MIAMIBEACH

**BUILDING DEPARTMENT**

1700 Convention Center Drive  
Miami Beach, FL 33139  
Office: 305-673-7610 Fax: 305-673-7857

- 3 Copies of Plr  
- Job Copy  
- Office Copy  
- Office Copy

# WORK PERMIT APPLICATION

## FLORIDA BUILDING CODE IN EFFECT

DATE 04/22/08

PERMIT # B0802916

If subsidiary or revision, provide the Master building permit number here B: \_\_\_\_\_

IS THIS PERMIT ASSOCIATED WITH A VIOLATION? If so; BV# \_\_\_\_\_

For DEMOLITION provide the year the structure was built \_\_\_\_\_ Historic District ☐ Yes ☐ No

Type of Property ☒ Single Family ☐ Commercial ☐ Multi-Family/Condo

TYPE OF IMPROVEMENT: ☒ Building ☐ Electrical ☐ Plumbing ☐ Mechanical ☐ REVISION

Describe FLAT TO FLAT RE-ROOF

Job Value \$ 10,500.00 Square Feet 2,000 Linear Feet \_\_\_\_\_ Pool Gallage \_\_\_\_\_ No. of units 1

Job Address 2421 N. BAY ROAD

Folio # 02-3227-008-0930 Unit # \_\_\_\_\_

City MIAMI BEACH State FL Zip 33140-4268 Phone \_\_\_\_\_

Owner/Owner Builder JOSE W. RODRIGUEZ & WIFE Drivers License No. \_\_\_\_\_

Address 2421 N. BAY ROAD

City MIAMI BEACH State FL Zip 33140 Phone \_\_\_\_\_

Fee Simple Titleholder's Name (if other than owner) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

Contractor ZARA INCORPORATED License No. 09003567

Address 420 SW 18 TERRACE

City MIAMI, FL 33129-1021 State \_\_\_\_\_ Zip \_\_\_\_\_ Phone 786-277-3597

Cell# 786-277-3597 Fax # 305-285-1698

☐ Architect \_\_\_\_\_ License No. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

☐ Engineer \_\_\_\_\_ License No. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

PLEASE COMPLETE SHADED AREAS

BUILDING WORK PERMIT APPLICATIONS ARE AVAILABLE ON THE MIAMI BEACH WEBSITE AT :WWW.MIAMIBEACHFL.GOV

Bonding company Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Phone \_\_\_\_\_

Mortgage Lender's Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Phone \_\_\_\_\_

This application is hereby made to obtain a permit to do the work and installations as indicated. I certify that all work will be performed to meet the standards of all laws and construction regulations in this jurisdiction. I understand that **SEPARATE PERMITS** are required for *Electrical, Mechanical, Plumbing, Signs, Swimming Pools, Spas, Windows, Sliding Glass Doors and Roofing*.

**OWNER'S AFFIDAVIT:** I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and Zoning.

**NOTICE:** In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies or federal agencies.

\* If the contractor is going to be hired by the tenant, check here. ☐

Signature of Owner or Agent

Signature of Tenant

Signature of Qualifier

Printed Name of Owner or Agent

Printed Name of Tenant

Printed Name of Qualifier

Date

Date

Date

Signature of Notary Public

Signature of Notary Public

Signature of Notary Public

Identification

Identification

Identification

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(Seal)

Samantha A. McCann  
Commission # DD587978  
Expires August 22, 2010  
Bonded Troy Fain - Insurance, Inc. 800-366-7019

(Seal)

(Seal)

Samantha A. McCann  
Commission # DD587978  
Expires August 22, 2010  
Bonded Troy Fain - Insurance, Inc. 800-366-7019

**WARNING TO OWNER:** YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT. **NOTICE OF COMMENCEMENT SHOULD BE FILED AT: 22 NW 1<sup>ST</sup> STREET, MIAMI, FL**

STATE OF FLORIDA

COUNTY OF DADE

Print Owner's Name

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Owner's Signature

20\_\_\_\_, by: \_\_\_\_\_

( ) Personally Known

(X) Produced Identification - Type of Identification

FDL

Signature of Notary Public

(Seal)

Samantha A. McCann  
Commission # DD587978  
Expires August 22, 2010  
Bonded Troy Fain - Insurance, Inc. 800-366-7019

Application Approved By: \_\_\_\_\_

Permit Clerk

OWNER'S AFFIDAVIT OF EXEMPTION

ROOF TO WALL CONNECTION HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES  
PURSUANT TO SECTION 553.844 F.S.

04/21/08

To: Miami-Dade County Building Department  
11805 Coral Way, Suite 111  
Miami, FL 33175  
CITY OF MIAMI BEACH BLDG DEPT  
1700 CONVENTION CTR DR, 2ND FLOOR  
MIAMI BEACH, FL 33139

Re: Owner's Name JOSE W. RODRIGUEZ & W. ANNA A.  
Property Address 3421 N BAY RD, MIAMI BEACH, FL 33140  
Roofing Permit Number

Dear Building Official:

I JOSE W. RODRIGUEZ certify that I am not required to retrofit the roof to wall connections of my building because:

- ☒ The just valuation for the structure for purposes of ad valorem taxation is less than \$300,000.00.
- ☐ The building was constructed in compliance with the provisions of the Florida Building Code (FBC) or with the provisions of the 1994 edition of the South Florida Building Code (1994 SFBC).

Jose W. Rodriguez  
Signature of Property Owner

JOSE W. RODRIGUEZ  
Print Name

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this 21st  
day of APRIL, 20 08

(SEAL)

Personally known

☒ or Produced Identification



Samantha A. McCann  
Commission # DD587978  
Expires August 22, 2010  
Bonded Troy Fain - Insurance, Inc. 800-385-7019

When the just valuation of the structure for purposes of ad valorem taxation is equal to or more than \$300,000.00, and the building was not constructed in compliance with the FBC nor with 1994 SFBC, and affidavit of Roof to Wall Connection Hurricane Mitigation Retrofit must be provided.

**My Home**  
Miami-Dade County, Florida

**miamidade.gov**

**MIAMI-DADE**

**Property Information Map**



Digital Orthophotography - 2007

0 — 14 ft

This map was created on 4/22/2008 12:59:46 PM for reference purposes only.

Web Site © 2002 Miami-Dade County. All rights reserved.



Close

**Summary Details:**

Folio No.:	02-3227-008-0930
Property:	2421 N BAY RD
Mailing Address:	JOSE RODRIGUEZ &W AIDA A
	2421 N BAY RD MIAMI BEACH FLA 33140-4262

**Property Information:**

Primary Zone:	0100 SINGLE FAMILY RESIDENCE
CLUC:	0001 RESIDENTIAL- SINGLE FAMILY
Beds/Baths:	4/3
Floors:	2
Living Units:	2
Adj Sq Footage:	3,395
Lot Size:	7,320 SQ FT
Year Built:	1925
Legal Description:	SUNSET LAKE SUB AMD PL PB 8-52 LOT 16 BLK 13 LOT SIZE 60.000 X 122

**Sale Information:**

Sale O/R:	
Sale Date:	0/0
Sale Amount:	\$0

**Assessment Information:**

Year:	2007	2006
Land Value:	\$768,666	\$585,791
Building Value:	\$436,696	\$288,817
Market Value:	\$1,205,362	\$874,608
Assessed Value:	\$283,671	\$276,753
Homestead Exemption:	\$25,000	\$25,000
Total Exemptions:	\$25,000	\$25,000
Taxable Value:	\$258,671	\$251,753

LESS  
THAN  
\$300,000<sup>02</sup>



# Overflow Scuppers

STRUCTURAL DESIGN

**TABLE 1615**  
**MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS**  
See Tables 4-1 of ASCE 7 with commentary,  
except as otherwise noted below

OCCUPANCY OR USE	LIVE LOAD POUNDS PER SQUARE FOOT
Assembly projection room	100
Balconies, Exterior (see also assembly) Serving private units of Group R occupancies and not for assembly use	60
Balconies serving occupancies 80 psf or less	80
All other balconies	100
Cabins and bath house	50
Path of egress servicing occupancies 80 psf or less	80
Path of egress servicing occupancies over 80 psf	100
Recreational facilities including bowling centers, pool rooms and similar uses	75
Storage:	
Light	75
Medium	125
Heavy	250

For SI: 1 pound per square foot = 47.88 Pa.  
1. Use actual equipment weight when greater.  
2. Increase when occupancy exceeds this amount.

## SECTION 1616 HIGH-VELOCITY HURRICANE ZONES— ROOF LIVE LOADS

**1616.1 Minimum roof live loads.** Roofs shall be designed for a live load of not less than 30 psf (1436 Pa), except as set forth herein.

### Exceptions:

1. Glass areas of greenhouse roofs shall be designed for a live load of not less than 15 psf (718 Pa).
2. Ordinary pitched and curved roofs, with a slope of  $1\frac{1}{2}:12$ , or greater, where water is not directed to the interior of the roof, without parapet or other edge of roof drainage obstructions, may be designed for an allowable live load of not less than 20 psf (958 Pa).
3. Utility sheds shall be designed for a live load of not less than 15 psf (718 Pa).

**1616.2 Special purpose roofs.** Roofs used for assembly, roof gardens, promenade or walkway purposes shall be designed for a minimum live load of 100 psf (4788 Pa). Other special purpose roofs shall be designed for appropriate loads as directed or approved by the building official.

**1616.3 Roof decking.** Roof decking shall be designed to support the live load set forth in 1616.1 or a load of 100 pounds per foot (445 N) applied as a 1 foot (305 mm) wide strip perpendicular to, and at the center of, the span of the decking between supports, whichever is more critical.

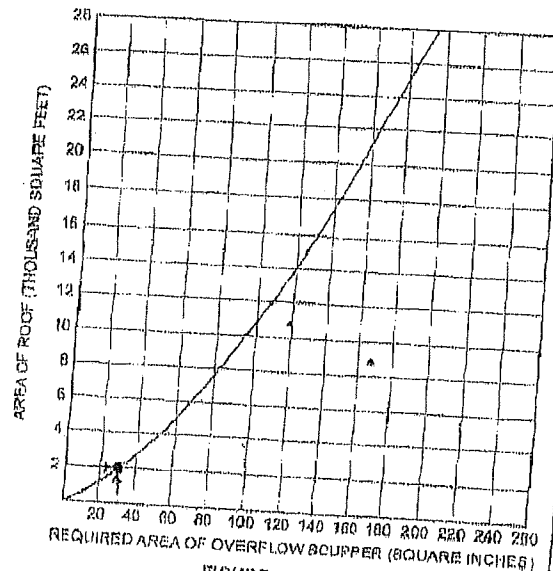
FLORIDA BUILDING CODE — BUILDING

## SECTION 1617 HIGH-VELOCITY HURRICANE ZONES— ROOF DRAINAGE

**1617.1 Roof drainage.** Where parapets or curbs are constructed above the level of the roof, provision shall be made to prevent rain water from accumulating on the roof in excess of that considered in the design, in the event the rain water drains, conductors or leaders become clogged.

**1617.2** Where roofs are not designed in accordance with Section 1617.1, overflow drains or scuppers shall be placed to prevent an accumulation of more than 5 inches (127 mm) of water on any portion of the roof. In determining the load that could result should the primary drainage system be blocked, the loads caused by the depth of water (i.e., head) needed to cause the water to flow out the scuppers or secondary drainage system shall be included.

**1617.3** Drains or scuppers installed to provide overflow drainage shall be not less in aggregate area than as shown in Figure 1617.3, but not less than 4 inches (102 mm) dimension in any direction and shall be placed in parapets not less than 2 inches (51 mm) nor more than 4 inches (102 mm) above the low point of the finished roofing surface and shall be located as close as practical to required vertical leaders, conductors or downspouts. The roof area to be taken in the sizing of the scuppers is the horizontal projection, except that, where a building wall extends above the roof in such a manner as to drain into the area considered, the one-half of the area of the vertical wall shall be added to the horizontal projection.



**FIGURE 1617.3**  
**REQUIRED AREA OF OVERFLOW SCUPPERS**

TOTAL ROOF AREA = **LESS THAN 2,000 SF**  
REQUIRED AREA OF OVERFLOW SCUPPERS = **30"**

Provided: (1)  $5" \times 7" = 35"$



Florida Building Code Edition  
High Velocity Hurricane Zone Uniform Permit Application Form.

Section C (Low Sloped Roof System)

Fill In Specific Roof Assembly Components  
and Identify Manufacturer

(If a component is not used, identify as "NA")

System Manufacturer: GAF MATERIALS

NOA No.: 03-0501-05

Design Wind Pressures, From RAS 128 or Calculations:

Pmax1: -52 Pmax2: -87.3 Pmax3: -131.4

Max. Design Pressure, From the Specific NOA  
System: -52.5

Deck:

Type: WOOD

Gauge/Thickness: 5/8"

Slope: 1 1/2" MAX : 12"

Anchor/Base Sheet & No. of Ply(s): N/A

Anchor/Base Sheet Fastener/Bonding Material:

Insulation Base Layer:

Base Insulation Size and Thickness:

Base Insulation Fastener/Bonding Material:

Top Insulation Layer:

Top Insulation Size and Thickness:

Top Insulation Fastener/Bonding Material:

Base Sheet(s) & No. of Ply(s): #75 BASE SHEET (1)

Base Sheet Fastener/Bonding Material:  
1 1/4" MC Nails w/ TIN CAPS.

Ply Sheet(s) & No. of Ply(s): CAROLIS PLY IV (3)

Ply Sheet Fastener/Bonding Material:  
HOT ASPHALT

Top Ply: MINERAL-CAP (1)

Top Ply Fastener/Bonding Material:  
HOT ASPHALT

Surfacing: GRANULES

Fastener Spacing for Anchor/Base Sheet  
Attachment

Field: 9' 00" @ Lap, # Rows 2 @ 9' 00"

Perimeter: 6' 00" @ Lap, # Rows 4 @ 6' 00"

Corner: 6' 00" @ Lap, # Rows 4 @ 6' 00"

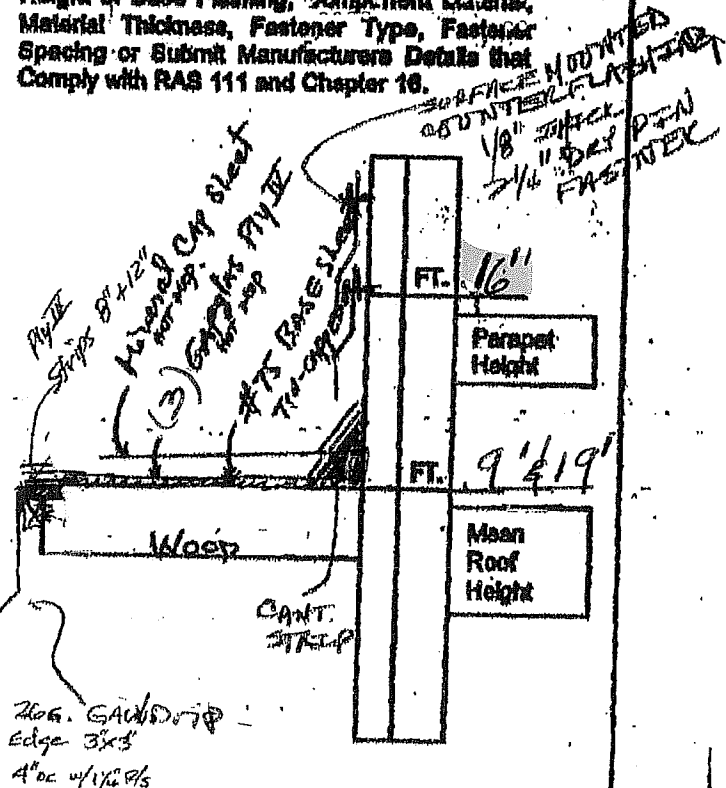
Number of Fasteners Per Insulation  
Board

Field: N/A Perimeter: N/A Corner: N/A

Illustrate Components Noted and  
Details as Applicable:

Woodblocking, Gutter, Edge Termination,  
Stripping, Flashing, Continuous Cist, Cant  
Strip, Base Flashing, Counter- Flashing,  
Coping, Etc.

Indicate: Mean Roof Height, Parapet Height,  
Height of Base Flashing, Component Details,  
Material Thickness, Fastener Type, Fastener  
Spacing or Submit Manufacturers Details that  
Comply with RAS 111 and Chapter 16.



**SECTION 1524**  
**HIGH VELOCITY HURRICANE ZONES REQUIRED OWNERS NOTIFICATION FOR ROOFING**  
**CONSIDERATIONS**

**1524.1** As it pertains to this section, it is the responsibility of the roofing contractor to provide the owner with the required roofing permit, and to explain to the owner the content of this section.. The provisions of Chapter 15 of the *Florida Building Code, Building* govern the minimum requirements and standards of the industry for roofing system installations. Additionally, the following items should be addressed as part of the agreement between the owner and the contractor. The owner's initial in the adjacent box indicates that the item has been explained.

1. Aesthetics-Workmanship: The workmanship provisions of Chapter 15 (High Velocity Hurricane Zone) are for the purpose of providing that the roofing system meets the wind resistance and water intrusion performance standards. Aesthetics (appearance) issues are not a consideration with respect to workmanship provisions. Aesthetic issues such as color or architectural appearance, that are not part of a zoning code, should be addressed as part of the agreement between the owner and the contractor.

2. Rerailing Wood Decks: When replacing roofing, the existing wood roof deck may have to be rerailed in accordance with the current provisions of Chapter 16 (High Velocity Hurricane Zones) of the Florida Building Code. (The roof deck is usually concealed prior to removing the existing roof system).

3. Common Roofs: Common roofs are those which have no visible delineation between neighboring units (i.e. townhouses, condominiums, etc.). In buildings with common roofs, the roofing contractor and/or owner should notify the occupants of adjacent units of roofing work to be performed.

4. Exposed Ceilings: Exposed, open beam ceilings are where the underside of the roof decking can be viewed from below. The owner may wish to maintain the architectural appearance, therefore, roofing nail penetrations of the underside of the decking may not be acceptable. The Florida Building Code provides the option of maintaining this appearance.

5. Ponding Water: The current roof system and/or deck of the building may not drain well and may cause water to pond (accumulate) in low-lying areas of the roof. Ponding can be an indication of structural distress and may require the review of a professional structural engineer. Ponding may shorten the life expectancy and performance of the new roofing system. Ponding conditions may not be evident until the original roofing system is removed. Ponding conditions should be corrected.

6. Overflow scuppers (wall outlets): It is required that rainwater flow off so that the roof is not overloaded from a build up of water. Perimeter/edge walls or other roof extensions may block this discharge if overflow scuppers (wall outlets) are not provided. It may be necessary to install overflow scuppers in accordance with the Florida Building Code, Plumbing.

7. Ventilation: Most roof structures should have some ability to vent natural airflow through the interior of the structural assembly (the building itself). The existing amount of attic ventilation shall not be reduced. It may be beneficial to consider additional venting which can result in extending the service life of the roof.

Owner's/Agent's Signature

Date

Contractor's Signature

Property Address

Permit Number

NOA No: 03-0501.05  
Expiration Date: 11/04/08  
Approval Date: 10/23/03  
Page 1 of 21

Deck Type 1: Wood, Non-insulated  
Deck Description:  $\frac{19}{32}$ " or greater plywood or wood plank decks

System Type E (1): Base sheet mechanically fastened.

All General and System Limitations shall apply.

Base sheet: GAFGLAS #80 Ultima™ Base Sheet, STRATAVENT® Eliminator Perforated Nailable, RUBEROID Modified Base Sheet, RUBEROID® 20, RUBEROID SBS Heat-Weld™ Smooth or RUBEROID SBS Heat-Weld 25 base sheet mechanically fastened to deck as described below;

Fastening Options: GAFGLAS® Ply 4®, GAFGLAS Flex Ply™ 6, GAFGLAS #75 Base Sheet or any of above Base sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the lap staggered and in two rows 12" o.c. in the field.

*(Maximum Design Pressure -45 psf, See General Limitation #7)*

GAFGLAS® Ply 4®, GAFGLAS Flex Ply™ 6, GAFGLAS #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec (GAFTITE) #12 or #14 Screws and 3" Plates, 12" o.c. in 3 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 12" o.c. in the field of the sheet.

*(Maximum Design Pressure -45 psf, See General Limitation #7)*

GAFGLAS Flex Ply™ 6, GAFGLAS #75 Base Sheet or any of above Base sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the 4" lap staggered and in two rows 9" o.c. in the field. *(Maximum Design Pressure -52.5 psf, See General Limitation #7)*

GAFGLAS #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec (GAFTITE) #12 or #14 Screws and 3" Plates, 12" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet.

*(Maximum Design Pressure -60 psf, See General Limitation #7)*

Any of above Base sheets attached to deck approved annular ring shank nails and 3" inverted Drill-Tec (GAFTITE) insulation plates at a fastener spacing of 9" o.c. at the 4" lap staggered in two rows 9" in the field.

*(Maximum Design Pressure -60 psf, See General Limitation #7)*

GAFGLAS #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec (GAFTITE) #12 or #14 Screws and 3" Plates, 8" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet.

*(Maximum Design Pressure -75 psf, See General Limitation #7)*

Ply Sheet: One or more plies of GAFGLAS® PLY 4®, GAFGLAS® PLY 6® ply sheet, #80 Ultima, RUBEROID MOP Smooth or RUBEROID 20 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.



**Class A**

**Deck: C-15/32**

**Incline: 3**

**Insulation (Optional):** — One or more layers perlite, wood fiber, glass fiber, isocyanurate, urethane, perlite/isocyanurate composite, perlite/urethane composite, wood fiber/isocyanurate composite, phenolic, any thickness.

**Ply Sheet:** — Three or more layers Type G1 "GAFGlas Ply 4" or "GAFGlas Ply 6", hot mopped.

**Surfacing:** — Gravel.

**Deck: C-15/32**

**Incline: 2**

**Insulation (Optional):** — One or more layers perlite, wood fiber, glass fiber, isocyanurate, urethane, perlite/isocyanurate composite, perlite/urethane composite, wood fiber/isocyanurate composite, phenolic, any thickness.

**Ply Sheet:** — Three or more layers Type G1 "GAFGlas Ply 4" or "GAFGlas Ply 6".

**Cap Sheet:** — One layer Type G3 "GAFGlas Mineral Surfaced Cap Sheet".

**3. Deck: NC**

**Incline: 2**

**Insulation (Optional):** — One or more layers perlite, wood fiber, glass fiber, isocyanurate, urethane, perlite/isocyanurate composite, perlite/urethane composite, wood fiber/isocyanurate composite, phenolic, 2 in. max.

**Ply Sheet:** — Two or more layers Type G1 "GAFGlas Ply 4" or "GAFGlas Ply 6".

**Cap Sheet:** — One layer Type G3 "GAFGlas Mineral Surfaced Cap Sheet".

**4. Deck: NC**

**Incline: 1/2**

**Insulation:** — One or two layers "Isotherm R", 4 in. max, hot mopped.

**Ply Sheet:** — Any UL Classified gravel surfaced Class A asphalt glass fiber mat system.

**5. Deck: C-15/32**

**Incline: 1**

**Slip Sheet (Optional):** — Red rosin paper, nailed to deck.

**Base Sheet:** — One layer Type G2 "GAFGlas #75 Base Sheet" (may be nailed).

**Ply Sheet:** — One or more layers Type G1 "GAFGlas Ply 4" or "GAFGlas Ply 6".

**Cap Sheet:** — One layer Type G-3 "GAFGlas Mineral Surfaced Cap Sheet".

**6. Deck: NC**

**Incline: 3**

**Base Sheet:** — One layer Type G2 "GAFGlas #75 Base Sheet".

**Ply Sheet:** — One or more layers Type G1 "GAFGlas Ply 4" or "GAFGlas Ply 6".

**Cap Sheet:** — One layer Type G-3 "GAFGlas Mineral Surfaced Cap Sheet".