



**MIAMI-DADE**  
**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)**

**Vistawall Architectural Products**  
**803 Airport Road**  
**Terrell, TX 75160**

**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: Series "RW-5000" Aluminum Fixed Window**

**APPROVAL DOCUMENT:** Drawing No. **RW5000**, titled "RW-5000 Impact Ribbon Window System", sheets 1 through 6 of 6, prepared by manufacturer, dated 1/18/02, signed and sealed by Lewis A. Waldrop, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

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

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

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

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

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

This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 02-1202.01**  
**Expiration Date: February 27, 2008**  
**Approval Date: February 27, 2003**  
**Page 1**

Vistawall Architectural Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

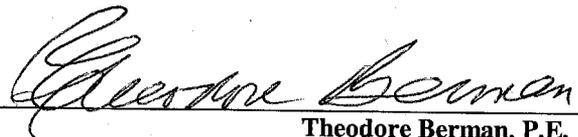
(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **RW5000**, titled "RW-5000 Impact Ribbon Window System", sheets 1 through 6 of 6, prepared by manufacturer, dated 1/18/02, signed and sealed by Lewis A. Waldrop, P.E.

**B. TESTS**

1. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window (specimen 1), prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0117-02**, dated 1/23/02, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window (specimen 1), prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0403-02**, dated 4/1/02, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window (specimen 4), prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0403-02**, dated 4/3/02, signed and sealed by Vinu J. Abraham, P.E.
4. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window (specimen 2), prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0403-02**, dated 4/11/02, signed and sealed by Vinu J. Abraham, P.E.



Theodore Berman, P.E.  
Deputy Director, Product Control Division

NOA No 02-1202.01

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**Vistawall Architectural Products**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

5. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC,TAS 202-94  
2) Small Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window (specimen 5), prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0403-02**, dated 4/5/02, signed and sealed by Vinu J. Abraham, P.E.
6. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC,TAS 202-94  
2) Water Resistance Test, per FBC, TAS 202-94  
3) Large Missile Impact Test per FBC, TAS 201-94  
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum fixed window (specimen 1), prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0525-02**, dated 5/24/02, signed and sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, prepared by Lewis A. Waldrop, P.E., dated 10/23/02, signed and sealed by Lewis A. Waldrop, P.E.

**D. MATERIAL CERTIFICATIONS**

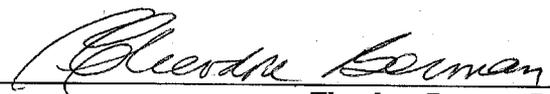
1. Notice of Acceptance No. **98-0728.05** issued to Solutia, Inc. for "Saflex III G PVB Polyvinyl butryal interlayer" dated 8/27/98, expiring on 5/21/01.
2. Notice of Acceptance No. **00-0614.09** issued to Viracon, Inc. for "HG-2 Laminated Glass" dated 11/2/00, expiring on 10/16/03.
3. Notice of Acceptance No. **00-0329.03** issued to Security Impact Glass Holdings L.L.C. for "SAF-GLAS" dated 5/26/00, expiring on 12/16/02.

**E. STATEMENTS**

1. Statement letter of no financial interest, dated 9/14/02, signed and sealed by Lewis A. Waldrop, P.E.
2. Laboratory compliance letter for Test Report no. **HTL-0105-0403-02, HTL-0105-0525-02, & HTL-0105-0117-02**, issued by National Certified Testing Laboratories, dated 9/27/02, signed and sealed by Vinu J. Abraham, P.E.

**F. OTHER**

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (Code).



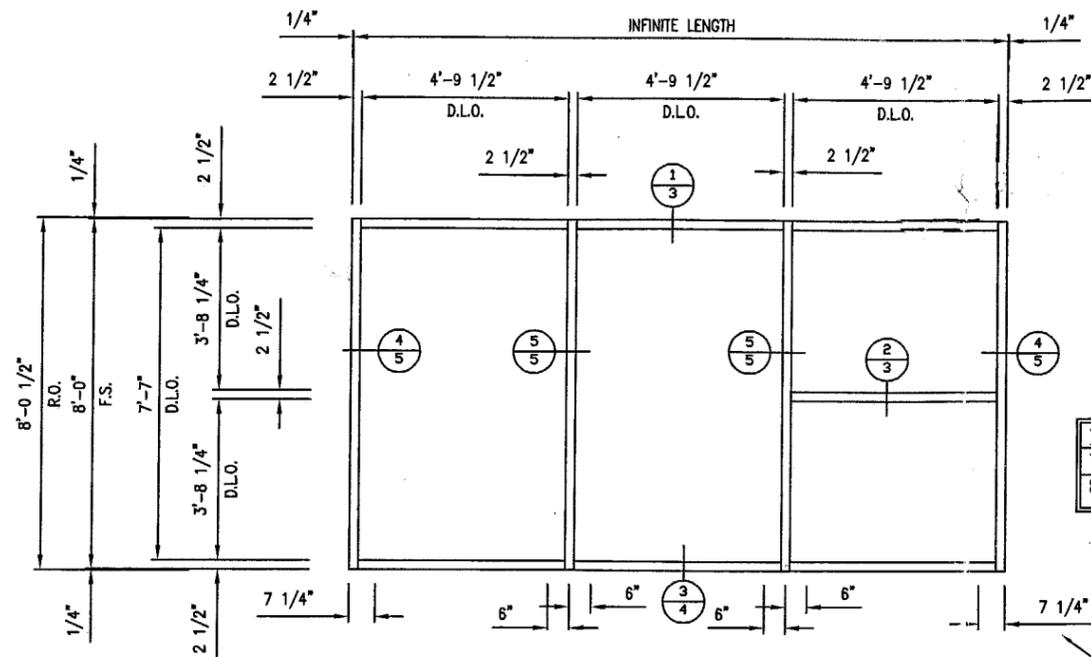
**Theodore Berman, P.E.**  
Deputy Director, Product Control Division

NOA No 02-1202.01

Expiration Date: February 27, 2008

Approval Date: February 27, 2003

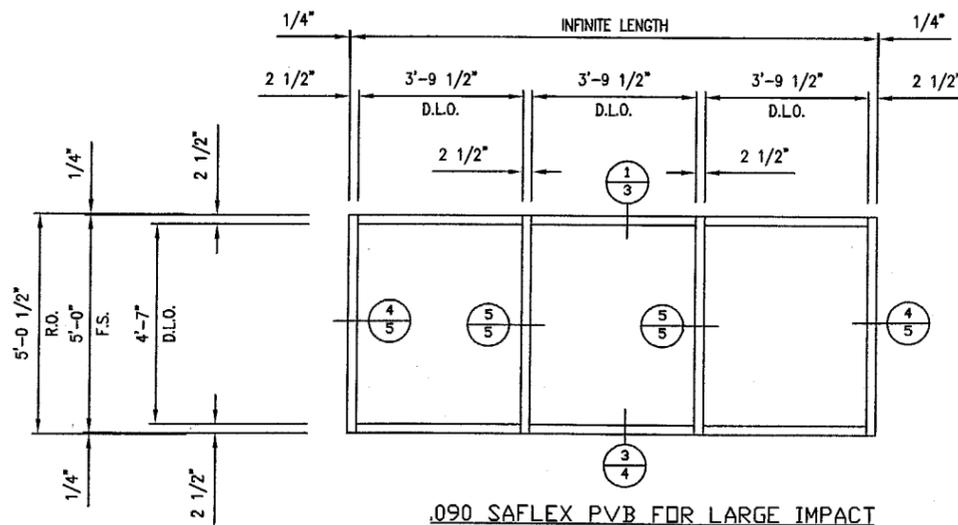
GLASS SCHEDULE		
MANUFACTURER	DESCRIPTION	GASKETS
① SECURITY IMPACT GLASS	1/4" H.S. GLASS AT INNER AND OUTER FACES .070 POLYCARBONATE, .015 POLYURETHANE LAMINATE, TOTAL = .536	FG-5126 INT FG-5125 EXT
② VIRACON HRG2	1/4" H.S. GLASS AT INNER AND OUTER FACES, .080 POLYCARBONATE, .050 URETHANE LAMINATE, TOTAL = .616	FG-5126 INT FG-1133 EXT
③ SOLUTIA SAFLEX PVB	1/4" H.S. GLASS AT INNER AND OUTER FACES, .090 SAFLEX PVB, TOTAL = .526	FG-5126 INT FG-5125 EXT
④ SOLUTIA SAFLEX PVB	1/4" H.S. GLASS AT INNER AND OUTER FACES, .060 SAFLEX PVB, TOTAL = .496	FG-5126 INT FG-5125 EXT



DESIGN PRESSURE	
70 psf (15psf WATER)	POSITIVE
80 psf	NEGATIVE

LARGE IMPACT W/ HRG2 SECURITY IMPACT GLASS  
& .060 SAFLEX PVB FOR SMALL IMPACT

TYPICAL ANCHOR LOCATIONS  
AT HEAD AND SILL OF ALL UNITS



DESIGN PRESSURE	
50 psf (15psf WATER)	POSITIVE
58 psf	NEGATIVE

.090 SAFLEX PVB FOR LARGE IMPACT

Approved as complying with the  
Florida Building Code  
Date: 02/23/03  
NOA# 02-1202.01  
Miami Dade Product Control  
Division  
By: *Chesler Berman*

NOTE:  
STRUCTURAL ALUMINUM TO BE 6063-T6,  
TRIM TO BE 6063-T5

Lewis A. Waldrop  
Florida #21959  
*Lewis A. Waldrop*  
11/13/02

# RW-5000 IMPACT ACCESORIES

FASTENER SCHEDULE		
PART NO.	DESCRIPTION	APPLICATION
FS-327	#12 X 7/8" HWHTCS	GLAZING BEADS
FS-202	#8 X 1/2" PPH	JAMB CAP
FS-45	#8 X 1/2" PFH	MULL CAP
FS-52	10-24 X 1/2 SETSCREW	MULL CLIP
FS-44	5/16" X 1" HHSTS	FRAME CONNECTIONS
	3/8" X 2 1/4" GRD 5 HH BOLT	ANCHOR TO STEEL
FSW-80	3/8" FLATWASHER	ANCHOR TO STEEL
FNS-81	3/8" HEX NUT	ANCHOR TO STEEL
FSW-118	3/8" LOCKWASHER	ANCHOR TO STEEL
KB II 38-334	3/8" X 3 3/4" HILTI KWIK BOLT II	ANCHOR TO CONCRETE

COMPONENT SCHEDULE	
EXTRUSION NO.	DESCRIPTION
RW-5131	MULL
RW-5132	MULL
RW-5133	HEAD
RW-5134	GLAZING BEAD
RW-5135	HORIZONTAL TRIM
RW-5136	JAMB
RW-5137	HORIZONTAL
RW-5138	SILL
RW-5140	SILL FILLER
RW-5141	MULL CAP
RW-5142	JAMB CAP
RW-5161	END DAM
RW-5162	MULL CLIP

GASKETS AND HARDWARE			
PART NO	DESCRIPTION	MANUFACTURER	LOCATION
CW-998	BULB GASKET	VISTAWALL	MULLIONS
FG-1133	EPDM GASKET	VISTAWALL	VIRACON HRG2 EXTERIOR
FG-5125	EPDM GASKET	VISTAWALL	TYPICAL EXTERIOR
FG-5126	VINYL SPACER	VISTAWALL	TYPICAL INTERIOR
FG-5124	EPDM SETTING BLOCK	VISTAWALL	SILL & HORIZONTAL
RW5000-FP-3	VINYL WATER DIVERTER	VISTAWALL	HORIZONTALS
RW-5139	ALUM. SETTING CHAIR	VISTAWALL	SILL
FG-5128	VINYL BAFFLE RETAINER	VISTAWALL	SILL
RW5000-PP-4	BAFFLE	VISTAWALL	SILL
RW5000-FP-1	MULL CAP	VISTAWALL	HEAD & SILL MULLIONS
RW5000-FP-2	JAMB CAP	VISTAWALL	HEAD & SILL JAMBS
RW5000-FP-8	END DAM	VISTAWALL	HEAD & SILL MULLIONS
RW5000-FP-11	MULLION CLIP	VISTAWALL	MULLION
DDW 995	STRUCTURAL SILICONE	DDW-CORNING	INTERIOR GLASS
SM-5601	SEALANT TAPE	SCHNEE-MOREHEAD	FRAME JOINTS
SM-7100	SEALANT	SCHNEE-MOREHEAD	PERIMETER SEAL
931	SEALANT	VULKEM	MULL JOINT

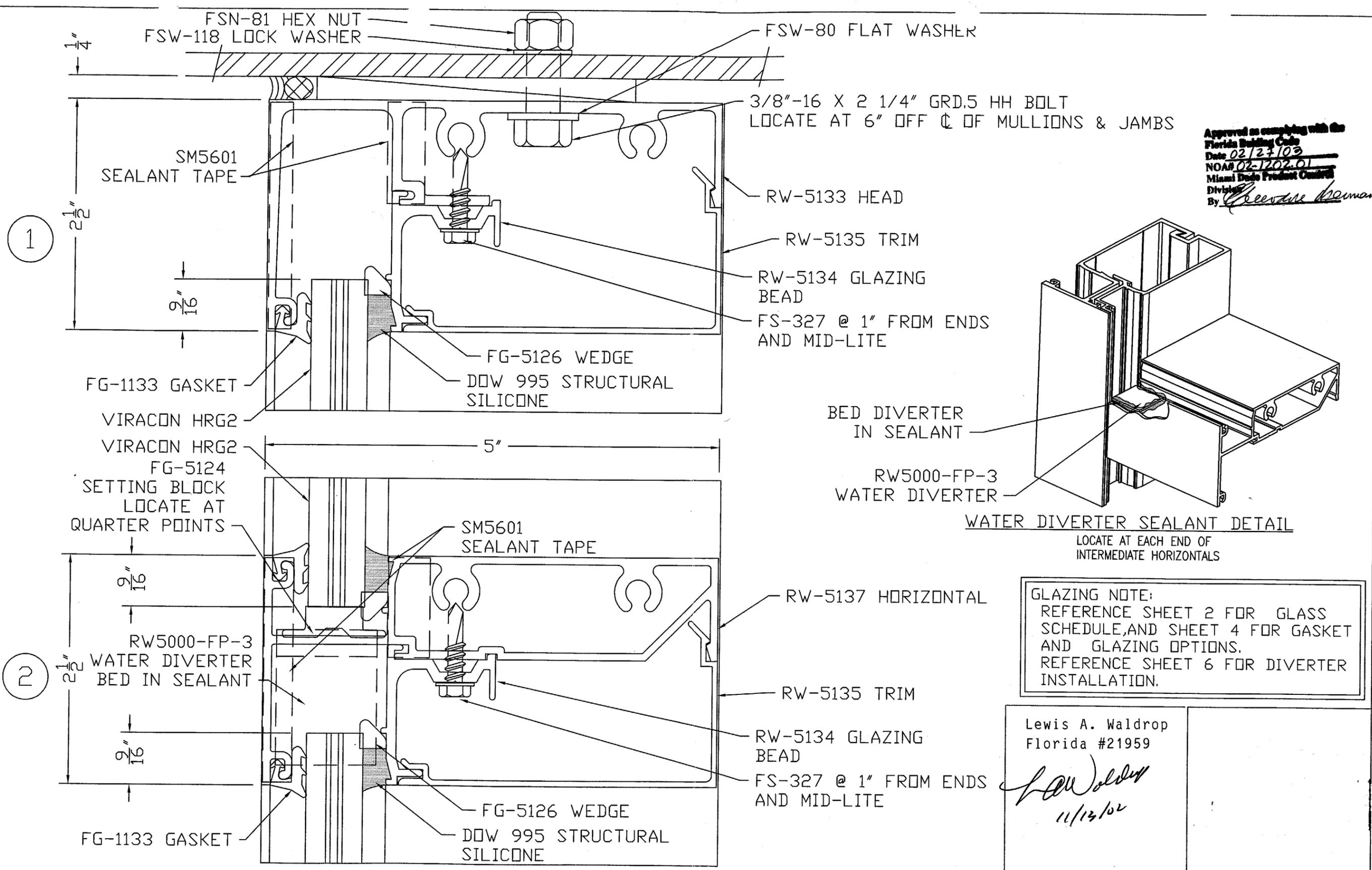
GLASS SCHEDULE			
	MANUFACTURER	DESCRIPTION	GASKETS
①	SECURITY IMPACT GLASS	1/4" H.S. GLASS AT INNER AND OUTER FACES .070 POLYCARBONATE, .015 POLYURETHANE LAMINATE; TOTAL = .536	FG-5126 INT FG-5125 EXT
②	VIRACON HRG2	1/4" H.S. GLASS AT INNNER AND OUTER FACES, .080 POLYCARBONATE, .050 URETHANE LAMINATE; TOTAL = .616	FG-5126 INT FG-1133 EXT
③	SOLUTIA SAFLEX PVB	1/4" H.S. GLASS AT INNER AND OUTER FACES, .090 SAFLEX PVB; TOTAL = .526	FG-5126 INT FG-5125 EXT
④	SOLUTIA SAFLEX PVB	1/4" H.S. GLASS AT INNER AND OUTER FACES, .060 SAFLEX PVB; TOTAL = .496	FG-5126 INT FG-5125 EXT

Approved as complying with the  
Florida Building Code  
Date 02/23/03  
NOA# 02-1202-01  
Miami Dade Product Control  
Division  
By: Lewis A. Waldrop

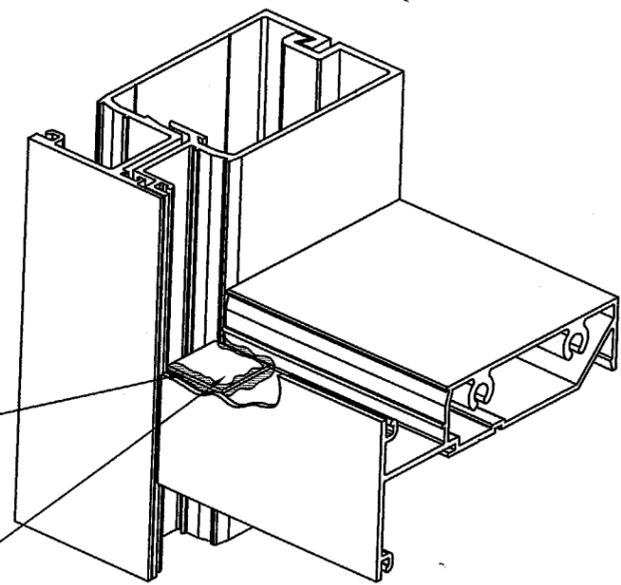
Lewis A. Waldrop  
Florida #21959

*Lewis A. Waldrop*  
11/12/02

NO. REVISION	DATE BY	 VISTAWALL ARCHITECTURAL PRODUCTS PRODUCT DEVELOPMENT GROUP	RW-5000 IMPACT RIBBON WINDOW SYSTEM	DATE 1/18/02	SHEET 2 OF 6
				DRAWN BY JPC	
				DWG. NO. RW5000	



Approved as complying with the  
Florida Building Code  
Date 02/27/03  
NOAR 02-1202.01  
Miami Dade Product Control  
Division  
By *Chester Newman*



**WATER DIVERTER SEALANT DETAIL**  
LOCATE AT EACH END OF  
INTERMEDIATE HORIZONTALS

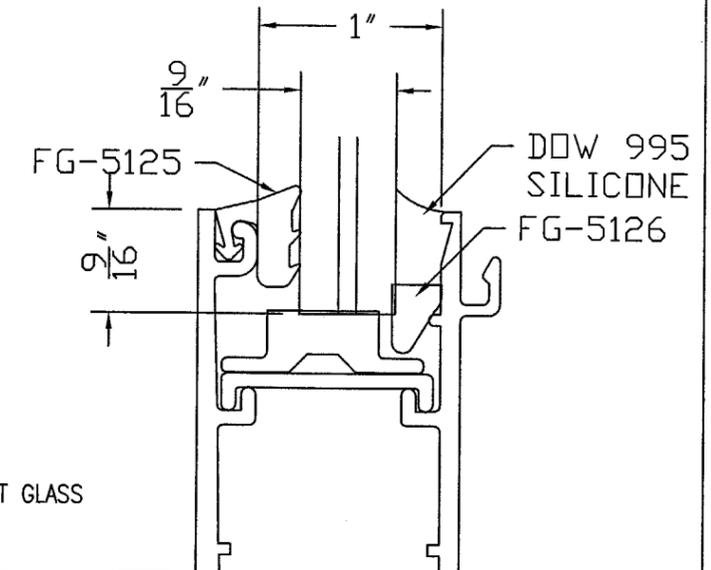
**GLAZING NOTE:**  
REFERENCE SHEET 2 FOR GLASS  
SCHEDULE, AND SHEET 4 FOR GASKET  
AND GLAZING OPTIONS.  
REFERENCE SHEET 6 FOR DIVERTER  
INSTALLATION.

Lewis A. Waldrop  
Florida #21959  
*L. A. Waldrop*  
11/13/02

NO. REVISION		DATE	BY	<b>VISTAWALL</b> ARCHITECTURAL PRODUCTS PRODUCT DEVELOPMENT GROUP	<b>RW-5000 IMPACT</b> RIBBON WINDOW SYSTEM	DATE 1/18/02	SHEET 3
						DRAWN BY JPC	OF 6
						DWG. NO. RW5000	

**GLAZING OPTIONS**

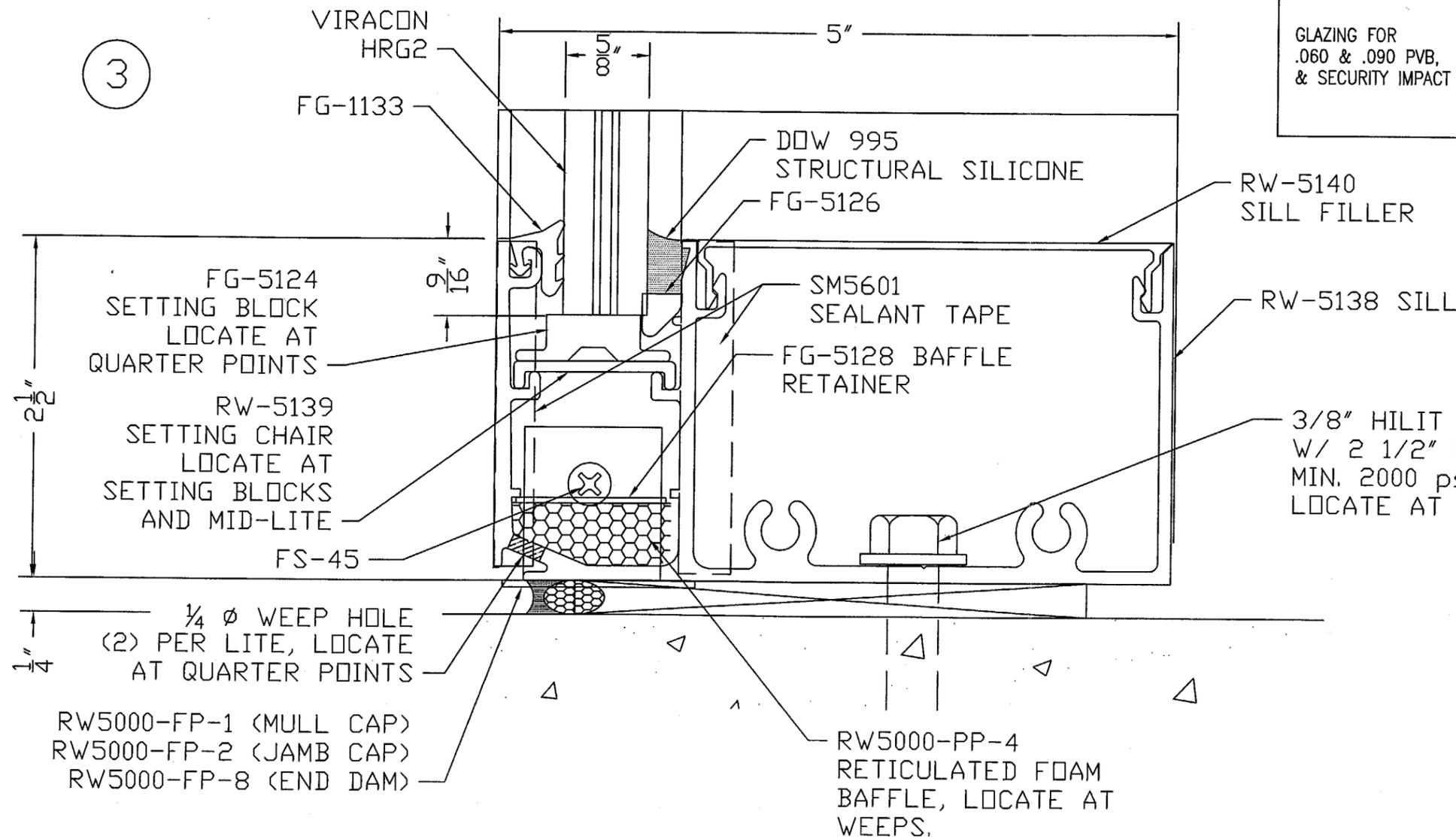
SEE DETAIL 3 ON SHEET 4 FOR HRG2



GLAZING FOR  
.060 & .090 PVB,  
& SECURITY IMPACT GLASS

Approved as complying with the  
Florida Building Code  
Date 02/27/03  
NOAS 07-1202-01  
Miami Dade Product Control  
Division  
By Sherrill Bowman

3



3/8" HILIT KWIKBOLT II (KB II 38-334)  
W/ 2 1/2" MIN. EMBEDMENT INTO  
MIN. 2000 psi CONCRETE  
LOCATE AT 6" OFF  $\phi$  OF MULLION AND JAMBS

Lewis A. Waldrop  
Florida #21959

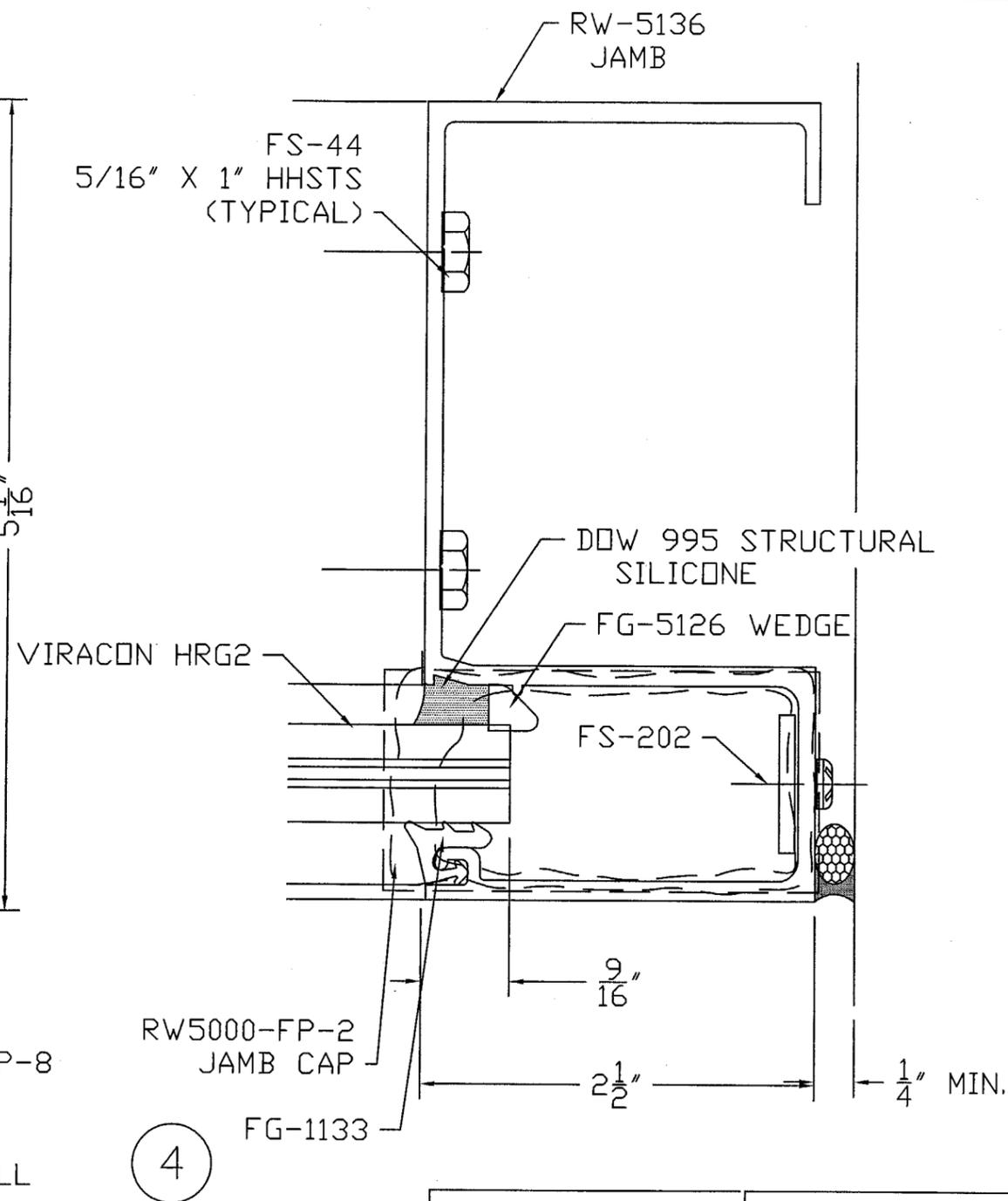
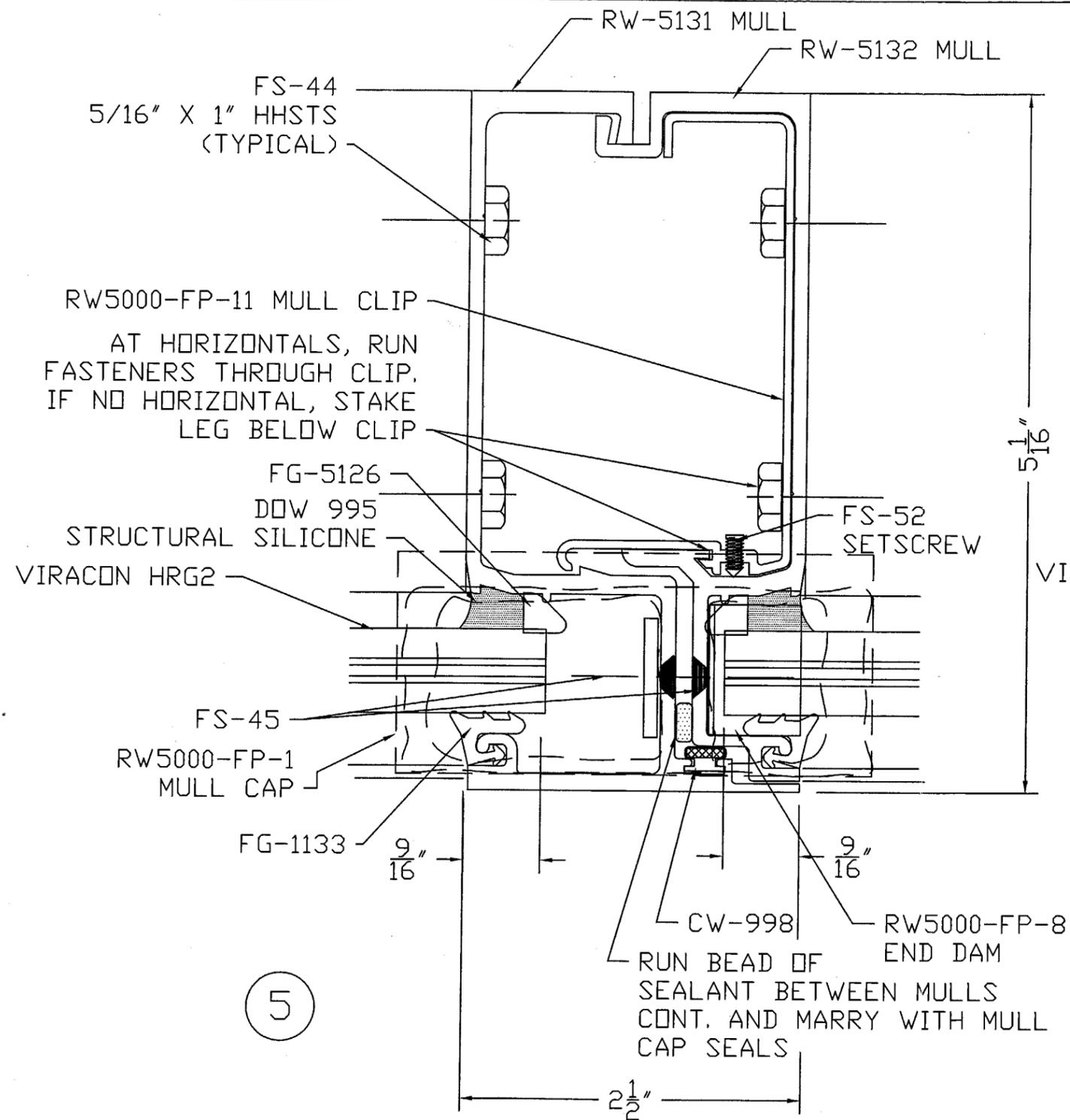
*LAW*  
11/13/02

		<b>VISTAWALL</b>	
		ARCHITECTURAL PRODUCTS	
NO.	REVISION	DATE BY	PRODUCT DEVELOPMENT GROUP

**RW-5000 IMPACT  
RIBBON WINDOW SYSTEM**

DATE 1/18/02  
DRAWN BY JPC  
DWG. NO. RW5000

SHEET  
4  
OF  
6



GLAZING NOTE:  
 REFERENCE SHEET 2 FOR GLASS  
 SCHEDULE, AND SHEET 4 FOR GASKET  
 AND GLAZING OPTIONS.

SEE SHEET 6 FOR  
 ADDITIONAL MULL CAP  
 INSTALLATION INFORMATION

Approved as complying with the  
 Florida Building Code  
 Date: 02/23/02  
 NOA# 02-1202-01  
 Miami Code Product Control  
 Division  
 By: *Cherone Berman*

Lewis A. Waldrop  
 Florida #21959

*Lewis A. Waldrop*  
 11/13/02

NO.		REVISION	DATE	BY	<b>VISTAWALL</b> ARCHITECTURAL PRODUCTS PRODUCT DEVELOPMENT GROUP

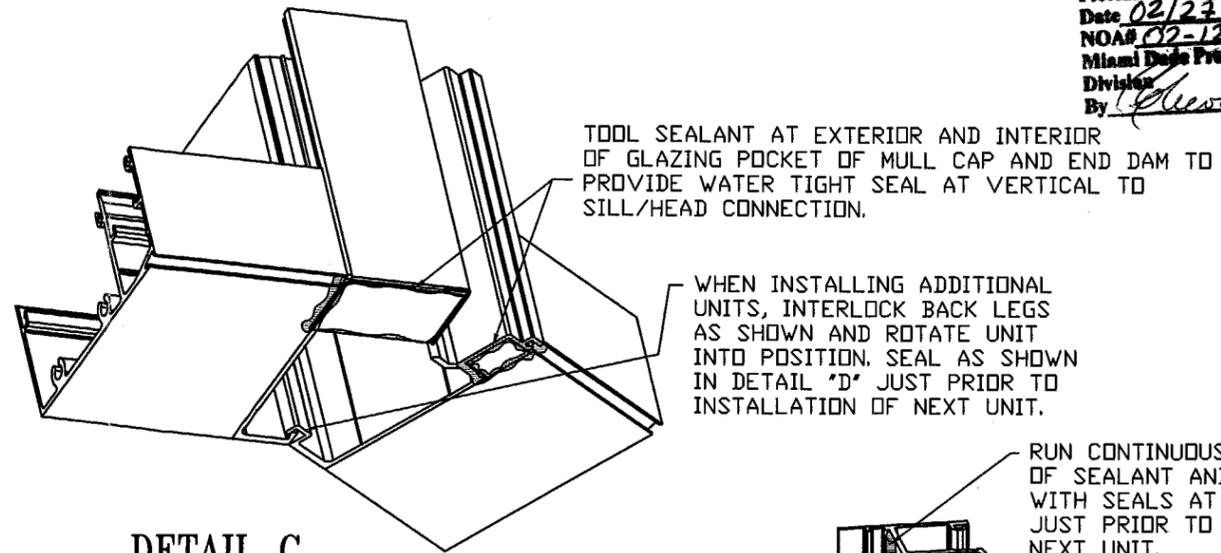
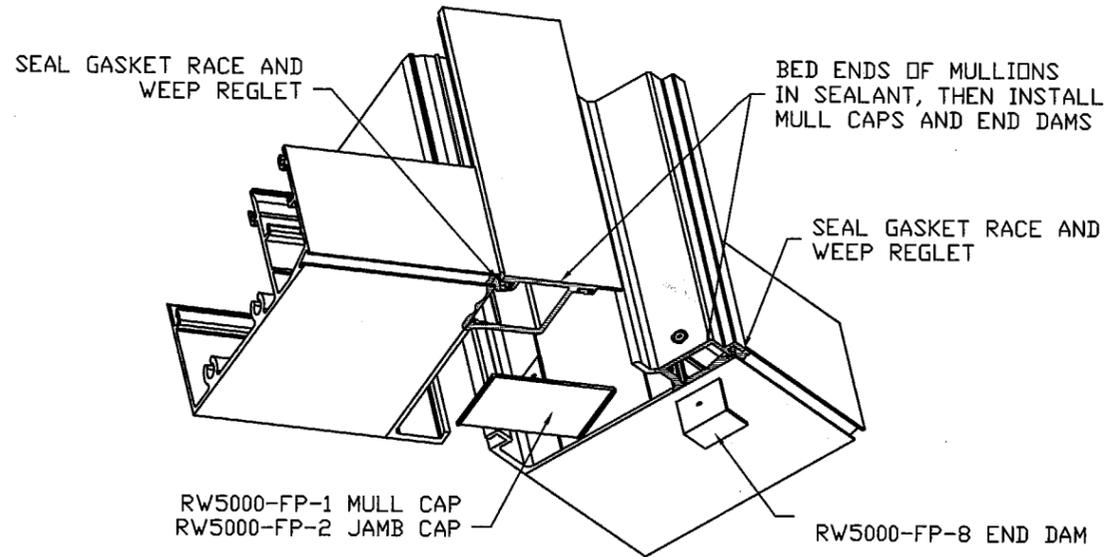
RW-5000 IMPACT  
 RIBBON WINDOW SYSTEM

DATE 1/18/02  
 DRAWN BY JPC  
 DWG. NO. RW5000

SHEET  
 5  
 OF  
 6

# MULL CAP SEALANT DETAIL AND INSTALLATION INSTRUCTIONS

Approved as complying with the  
Florida Building Code  
Date 02/23/02  
NOA# 02-1202-01  
Miami Dade Product Control  
Division  
By: *[Signature]*



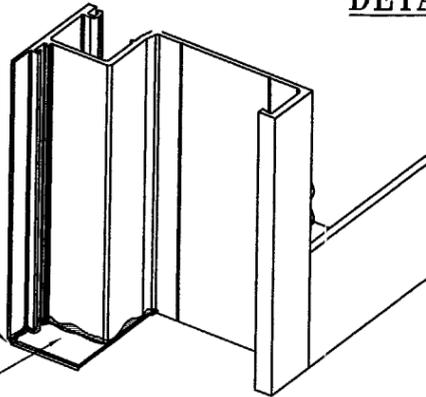
INSTALL MULL CAPS AND END DAMS USING FS-45 (#8 X 1/2" PFH), INSTALL JAMB CAPS USING FS-202 (#8 X 1/2" PPH). (CAP SEAL ALL FASTENERS)

## DETAIL A

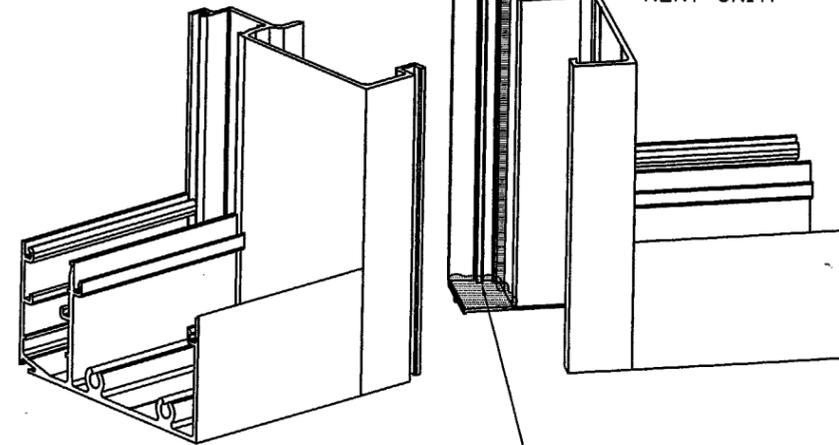
MULL CAP AND END DAM REQUIRED AT HEAD AND SILL TYPICAL. (SILL SHOWN)

TOOL THE SEALANT ALONG INTERIOR OF THE MULL DURING INSTALLATION OF THE MULL CAP.

WHEN INSTALLING THE RW5000-FP1 MULL CAP, KEEP THIS AREA CLEAR OF SEALANT TO ALLOW FOR INSTALLATION OF NEXT UNIT.



## DETAIL B



BED TOP OF MULL CAP WITH SEALANT JUST PRIOR TO INSTALLING NEXT UNIT.

## DETAIL D

RUN CONTINUOUS BEAD OF SEALANT AND MARRY WITH SEALS AT MULL CAPS JUST PRIOR TO INSTALLATION OF NEXT UNIT.

### INSTALLATION NOTES:

- 1) ASSEMBLE UNITS AS SHOWN ON DETAIL SHEETS 3 THRU 5. INSTALL SEALANT TAPE BETWEEN VERTICALS AND HORIZONTALS AS SHOWN.
- 2) INSTALL AND SEAL MULL CAPS AS SHOWN IN DETAILS A, B & C ABOVE.
- 3) MULL CAPS SHOULD FORM A WATER TIGHT SEAL. A TEST MAY BE CONDUCTED TO CONFIRM THIS SEAL BY BLOCKING WEEP HOLES AND FILLING SILL CAVITY WITH WATER. AFTER TEST REMOVE PLUGS FROM WEEP HOLES, DRAIN WATER, INSTALL BAFFLES AND BAFFLE RETAINERS.
- 4) INSTALL FIRST UNIT INTO OPENING (UNITS WILL INSTALL FROM LEFT TO RIGHT AS VIEWED FROM EXTERIOR OF BUILDING), LEVEL, PLUMB AND ANCHOR FIRST UNIT. WHEN SHIMMING UNITS, SHIM AT ANCHOR POINTS UNDER SILL. DO NOT PLACE SHIMS BENEATH MULL OR MULL CAP.

- 5) RUN BEAD OF SEALANT CONTINUOUS FOR FULL HEIGHT OF MULLION AND BED MULL CAP WITH SEALANT AT HEAD AND SILL AS SHOWN IN DETAIL D.
- 6) INSTALL SECOND UNIT BY BRINGING INTO POSITION FROM INSIDE OF BUILDING, TILT HEAD OF UNIT BENEATH MULL CAP, ROTATE SILL OF UNIT OVER LOWER MULL CAP, THEN INTERLOCK BACK LEGS OF MULLION (SEE DETAIL C), PLACE APPROPRIATE SHIMS BENEATH SILL MEMBER TO ALLOW FOR BETTER ALIGNMENT, AND ROTATE UNIT INTO PLACE. PLUMB AND ANCHOR.
- 7) REPEAT STEP 6 FOR ALL ADDITIONAL UNITS. MINIMUM 1/4" CAULK JOINT AT JAMB IS REQUIRED FOR INSTALLATION OF FINAL UNIT.

- 8) SYSTEM MAY BE INSTALLED EITHER IN UN-GLAZED OR PREGLAZED FRAMES. WHEN INSTALLING UNITS AS UN-GLAZED FRAMES FOLLOW INSTRUCTIONS 4 THRU 8 AND THEN INSTALL GLASS, NEXT PLACE AN 1/8" SHIM AT MID-HEIGHT OF MULL AND CLAMP BACK OF MULL AT THE SHIM BEFORE RUNNING WEDGE TO HELP INSURE PROPER ALIGNMENT OF MULLS AT FACE OF SYSTEM. WHEN PREGLAZING FRAMES, MAKE SURE THAT UNITS ARE SQUARE AND THAT DAY LIGHT OPENINGS ARE HELD TO PROPER DIMENSIONS BEFORE RUNNING STRUCTURAL SILICONE. (REFERENCE SILICONE MANUFACTURER FOR PROPER CLEANING AND USE OF SILICONE.)

Lewis A. Waldrop, P  
Florida #21959

*[Signature]*  
2/13/02

NO.	REVISION	DATE	BY	<b>VISTAWALL</b> ARCHITECTURAL PRODUCTS PRODUCT DEVELOPMENT GROUP

RW-5000 IMPACT  
RIBBON WINDOW SYSTEM

DATE 1/18/02  
DRAWN BY JPC  
DWG. NO. RW5000

SHEET  
6  
OF  
6