



**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**  
**803 Airport Road**  
**Terrell, Texas 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-5100" Ribbon Window System-S.M.**

**APPROVAL DOCUMENT:** Drawing No. **RW5100IMP**, titled "RW-5100 Insulated Impact Ribbon Window System-Small Impact", sheets 1 through 6 of 6, prepared by manufacturer, dated 1/18/02, signed and sealed by William Cook, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: 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.**

*TJB*  
*10/9/2003*

**NOA No 03-0718.06**  
**Expiration Date: October 30, 2008**  
**Approval Date: October 30, 2003**  
**Page 1**

**Vistawall Architectural**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **RW5100IMP**, titled "RW-5100 Insulated Impact Ribbon Window System-Small Impact", sheets 1 through 6 of 6, prepared by manufacturer, dated 1/18/02, signed and sealed by William Cook, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Small 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 ribbon window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0105-0815-02**, dated 8/20/02, signed and sealed by Vinu Abraham, P.E.
2. 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 ribbon window, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL 0105-0619-02**, dated 6/24/02, signed and sealed by Vinu Abraham, P.E.

**C. CALCULATIONS**

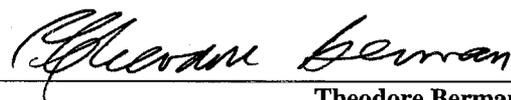
1. Anchor calculations, ASTM-E1300-98, and structural analysis prepared by Bromley Cook Engineering, Inc., dated 6/24/03, signed and sealed by William Cook, P.E.

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 021205.03 issued to Security Impact Glass Holdings L.L.C. for "SAF-GLAS" dated 1/2/03, expiring on 12/16/07.
2. Notice of Acceptance No. **01-0709.07** issued to Sheffield Plastics, Inc. for their "HYZOD Polycarbonate Sheet" dated 8/23/01, expiring on 8/27/06.

**E. QUALITY ASSURANCE**

1. Miami-Dade County Building Code Compliance Office.



Theodore Berman, P.E.  
Deputy Director Product Control Division  
NOA No 03-0718.06  
Expiration Date: October 30, 2008  
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**Vistawall Architectural**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

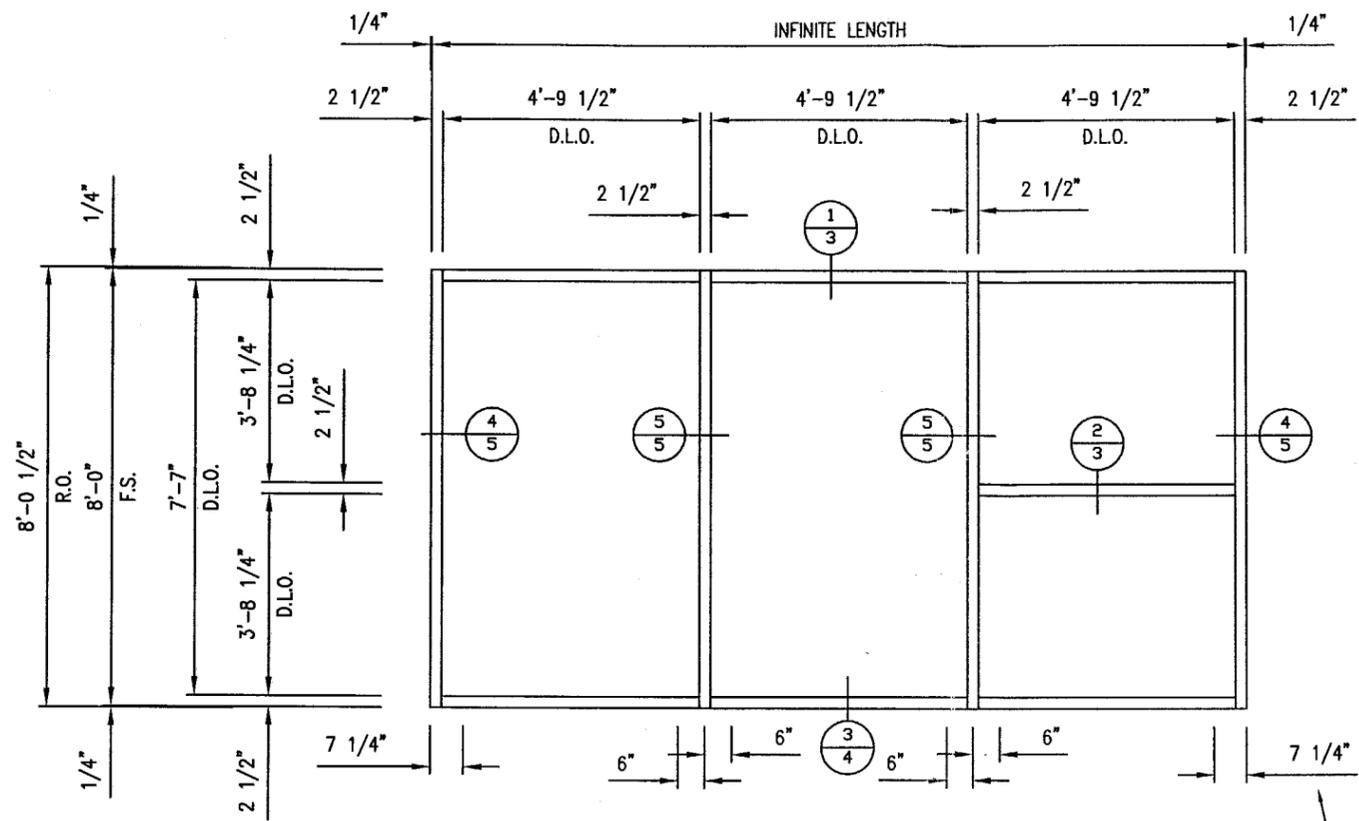
1. Statement letter of no financial interest & conformance, dated 6/12/03, signed by William Cook, P.E.
2. Laboratory compliance letter for Test Report no. **HTL 0105-0815-02 & HTL 0105-0619-02**, issued by Hurricane Test Laboratory, Inc., dated 3/21/03, signed and sealed by Vinu Abraham, P.E.

**F. OTHER**

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



Theodore Berman, P.E.  
Deputy Director Product Control Division  
NOA No 03-0718.06  
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SMALL IMPACT W/ .060 SAFLEX PVB

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

TYPICAL ANCHOR LOCATIONS AT HEAD AND SILL OF ALL UNITS

GLASS SCHEDULE			
	MANUFACTURER	DESCRIPTION	GASKETS
①	SECURITY IMPACT GLASS	1/4" H.S., 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNER AND OUTER FACES, .070 POLYCARBONATE, .015 POLYURETHANE LAMINATE; TOTAL = .536	FG-5126 INT FG-5158 EXT
②	DLUBAK IG CLAD POLYCARBONATE	1/4" H.S., 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNER AND OUTER FACES, .080 POLYCARBONATE, .050 URETHANE LAMINATE; TOTAL = .616	FG-5126 INT FG-5157 EXT
⑤	SOLUTIA SAFLEX PVB	1/4" H.S., 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNER AND OUTER FACES, .060 SAFLEX PVB; TOTAL = .496	FG-5126 INT FG-5158 EXT

NOTE:  
ALL ALUMINUM TO BE 6063-T6

Approved as complying with the Florida Building Code  
Date 10/30/03  
NOA# 03-0218-06  
Miami Code Product Control  
By: *Glenore Berman*

**BROMLEY • COOK ENGINEERING**  
Structural Engineering Services  
2004 N.E. 49th Street  
Ft. Lauderdale, FL 33308  
954-772-4624

JUN 24 2003

NO.	REVISION	DATE	BY	 PRODUCT DEVELOPMENT GROUP	RW-5100 INSULATED IMPACT RIBBON WINDOW SYSTEM-SMALL IMPACT	DATE 1/18/02	SHEET 1 OF 6
						DRAWN BY JPC	
						DWG. NO. RW5100IMP	

# RW-5100 INSULATED 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/END DAM
FS-44	5/16" X 1" HHSTS	FRAME CONNECTIONS
	3/8" X 1 1/2" GRD 5 HH BOLT	ANCHOR TO STEEL
FSW-80	3/8" FLATWASHER	ANCHOR TO STEEL
FSN-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

EXTRUSION SCHEDULE	
EXT. NO.	DESCRIPTION
RW-5134	GLAZING BEAD
RW-5135	HEAD/HORIZ TRIM
RW-5140	SILL TRIM
RW-5141	MULL CAP
RW-5142	JAMB CAP
RW-5146	JAMB MULL
RW-5147	MULLION
RW-5148	MULLION
RW-5149	HEAD
RW-5150	HORIZONTAL
RW-5151	SILL
RW-5153	SILL FACE CAP
RW-5161	END DAM
RW-5162	MULL CLIP
ICW-2	TYP. FACE CAP

GASKETS AND HARDWARE			
PART NO	DESCRIPTION	MANUFACTURER	LOCATION
CW-998	BULB GASKET	VISTAWALL	MULLIONS
ICW-12	ISOLATOR	VISTAWALL	ALL FACES @ 12" O.C.
FG-5157	EPDM GASKET	VISTAWALL	DLUBAK HRG2 EXTERIOR
FG-5158	EPDM GASKET	VISTAWALL	TYPICAL EXTERIOR
FG-5126	VINYL SPACER	VISTAWALL	TYPICAL INTERIOR
FG-5159	EPDM SETTING BLOCK	VISTAWALL	SILL & HORIZONTAL
RW5000-FP-5	VINYL WATER DIVERTER	VISTAWALL	HORIZONTALS
FG-5152	ALUM. SETTING CHAIR	VISTAWALL	SILL
FG-5160	VINYL BAFFLE RETAINER	VISTAWALL	SILL
RW5000-FP-6	MULL CAP (MADE FROM RW-5141)	VISTAWALL	HEAD & SILL MULLIONS
RW5000-FP-7	JAMB CAP (MADE FROM RW-5142)	VISTAWALL	HEAD & SILL JAMBS
RW5000-FP-9	END DAM (MADE FROM RW-5161)	VISTAWALL	HEAD & SILL MULLIONS
RW5000-PP-10	BAFFLE	VISTAWALL	SILL
RW5000-FP-11	MULLION CLIP(MADE FROM RW-5162)	VISTAWALL	MULLIONS
DOW 995	STRUCTURAL SILICONE	DOW-CORNING	INTERIOR GLASS
SPECTREM 2	SILICONE SEALANT	TREMCO	INTERIOR GLASS
SM-5601	SEALANT TAPE	SCHNEE-MOREHEAD	FRAME JOINTS
931	SEALANT	TREMCO VULKEM	PERIMETER SEAL,FRAME JOINTS

GLASS SCHEDULE			
	MANUFACTURER	DESCRIPTION	GASKETS
①	SECURITY IMPACT GLASS	1/4" H.S., 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNER AND OUTER FACES .070 POLYCARBONATE, .015 POLYURETHANE LAMINATE; TOTAL = .536	FG-5126 INT FG-5158 EXT
②	DLUBAK IG CLAD POLYCARBONATE	1/4" H.S., 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNNER AND OUTER FACES, .080 POLYCARBONATE, .050 URETHANE LAMINATE; TOTAL = .616	FG-5126 INT FG-5157 EXT
⑤	SOLUTIA SAFLEX PVB	1/4" H.S., 1/2" AIRSPACE, 1/4" H.S. GLASS AT INNER AND OUTER FACES, .060 SAFLEX PVB; TOTAL = .496	FG-5126 INT FG-5158 EXT

Approved as complying with the  
Florida Building Code  
Date 10/30/03  
NOA# 03-0118.06  
Miami Dade Product Control  
By: *Glenn Berman*

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JUN 24 2003

NO. REVISION		DATE BY		<b>VISTAWALL</b> ARCHITECTURAL PRODUCTS PRODUCT DEVELOPMENT GROUP	RW-5100 INSULATED IMPACT RIBBON WINDOW SYSTEM-SMALL IMPACT	DATE 1/18/02	SHEET 2 OF 6
						DRAWN BY JPC	
						DWG. NO. RW5100IMP	

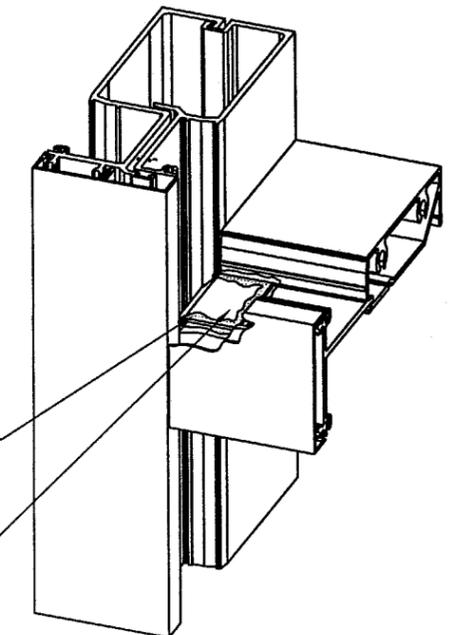
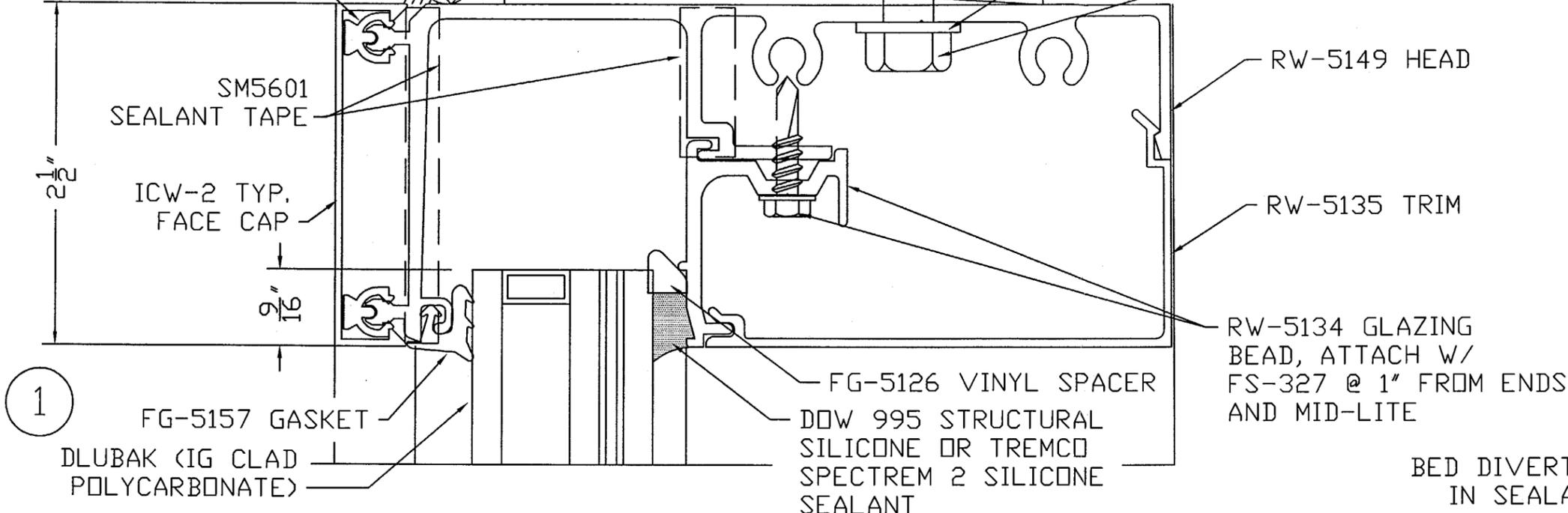
ICW-12 ISOLATOR LOCATE @ 12" O.C. (TYPICAL)

FSN-81 HEX NUT  
FSW-118 LOCKWASHER

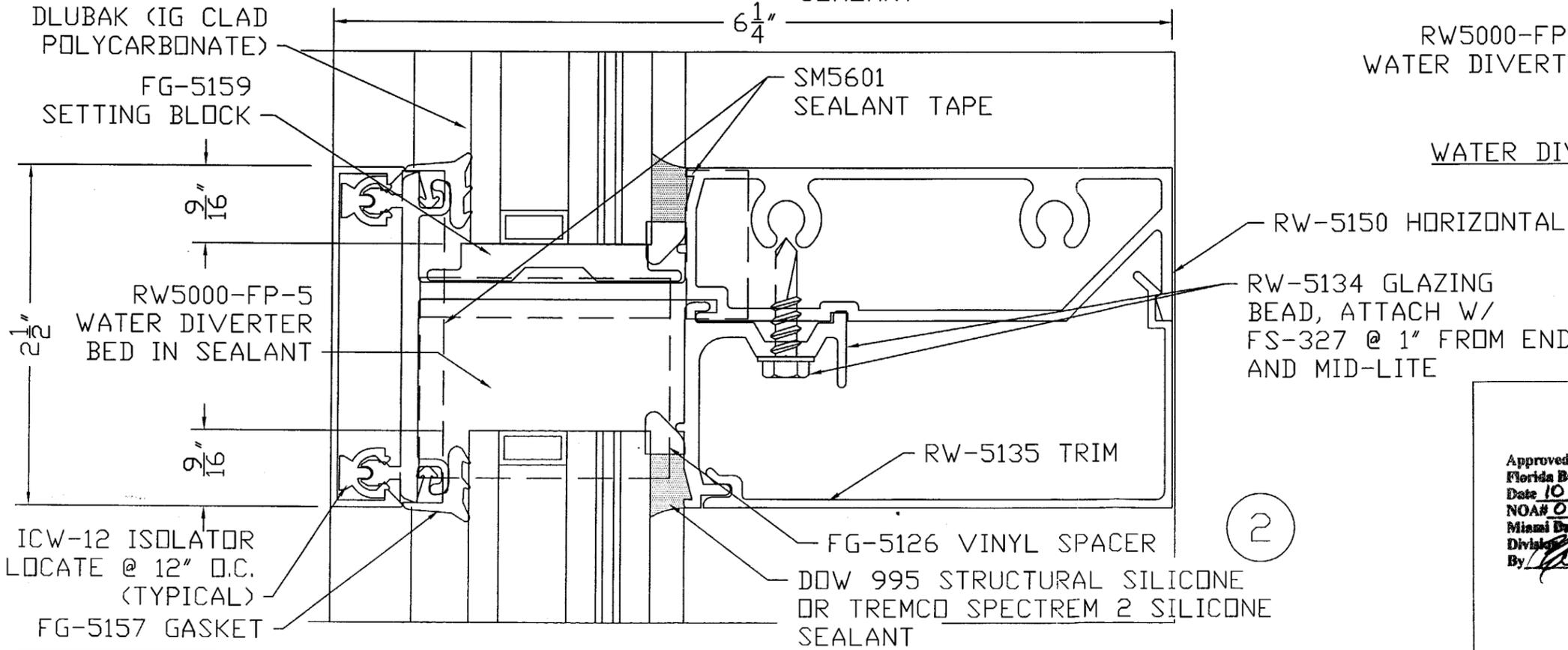
FSW-80 FLAT WASHER

3/8"-16 X 1 1/2" GRD.5 HH BOLT LOCATE AT 6" OFF  $\phi$  OF MULLIONS & JAMB

GLAZING NOTE:  
REFERENCE SHEET 3 FOR GLASS SCHEDULE, AND SHEET 5 FOR GASKET AND GLAZING OPTIONS.  
REFERENCE SHEET 7 FOR MULL CAP AND END DAM INSTALLATION.



WATER DIVERTER SEALANT DETAIL  
LOCATE AT EACH END OF INTERMEDIATE HORIZONTALS



Approved as complying with the Florida Building Code  
Date 10/30/03  
NOA# 03-0216.06  
Miami Dade Product Control  
By: *Cherise Keenan*

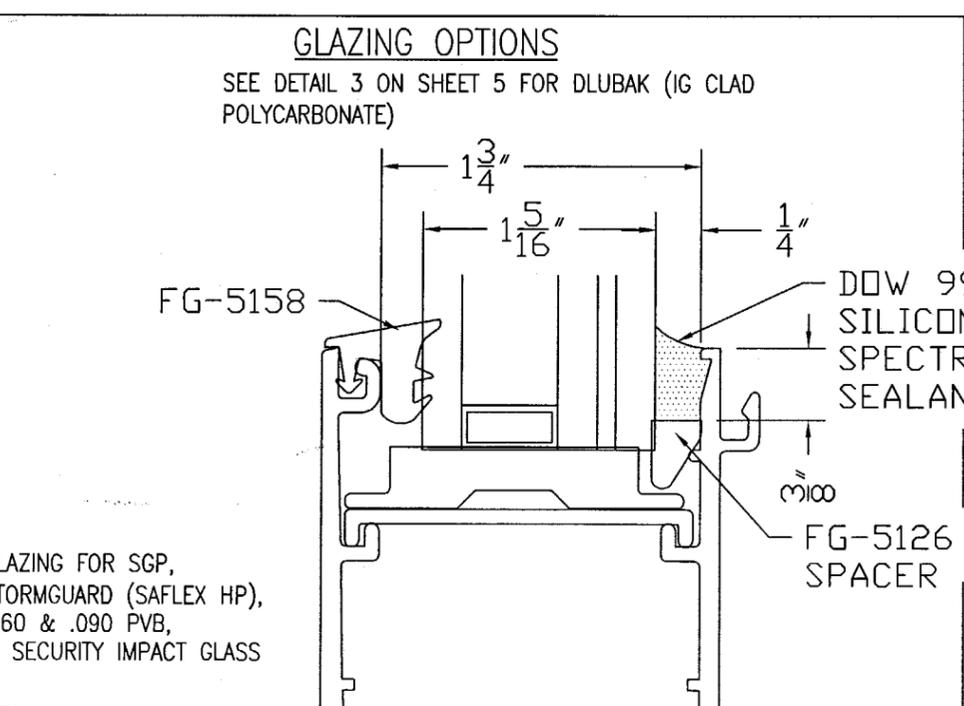
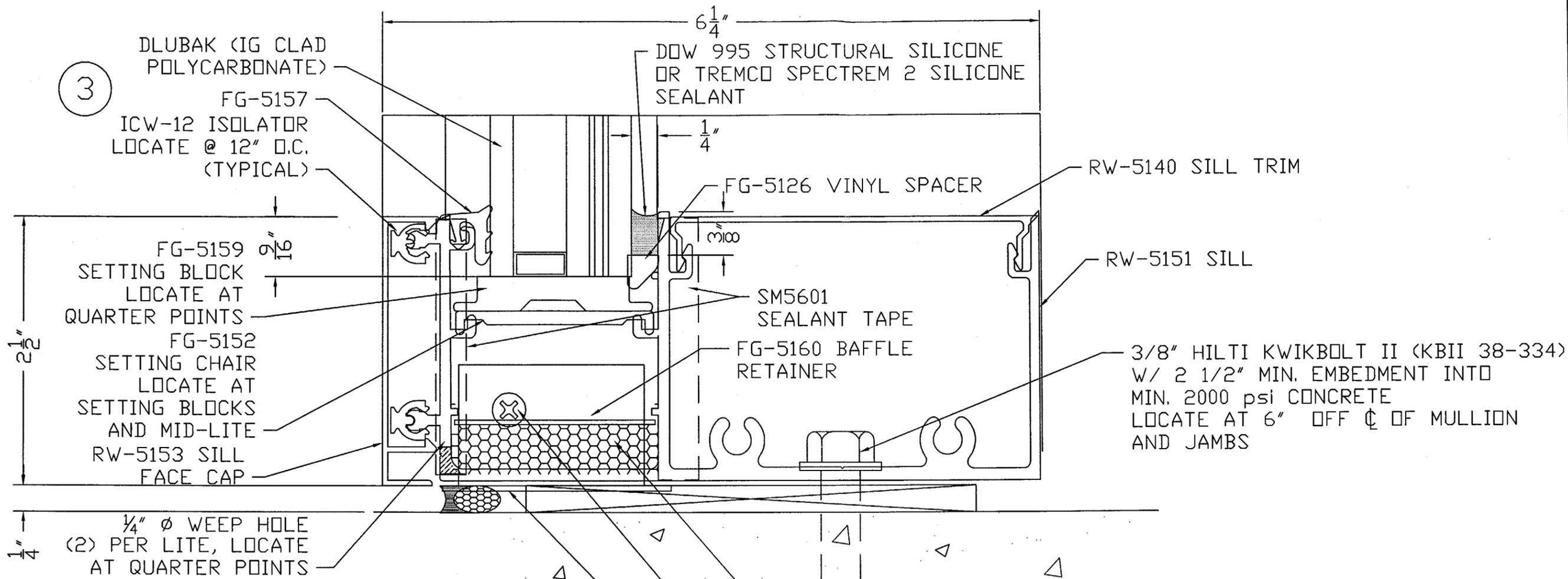
JUN 24 2003

NO.	REVISION	DATE	BY	PRODUCT DEVELOPMENT GROUP
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**VISTAWALL**  
ARCHITECTURAL PRODUCTS

RW-5100 INSULATED IMPACT  
RIBBON WINDOW SYSTEM

DATE 1/18/02	SHEET 3
DRAWN BY JPC	OF 6
DWG. NO. RW5100IMP	



GLAZING FOR SGP,  
STORMGUARD (SAFLEX HP),  
.060 & .090 PVB,  
& SECURITY IMPACT GLASS

- RW5000-PP-10  
RETICULATED FOAM  
BAFFLE, LOCATE AT  
WEEPS.
- FS-45 (#8 X 1/2" PFH) AT MULL CAPS AND END DAMS
- FS-202 (#8 X 1/2" PPH) AT JAMB CAPS
- RW5000-FP-6 (MULL CAP)
- RW5000-FP-7 (JAMB CAP)
- RW5000-FP-9 (END DAM)

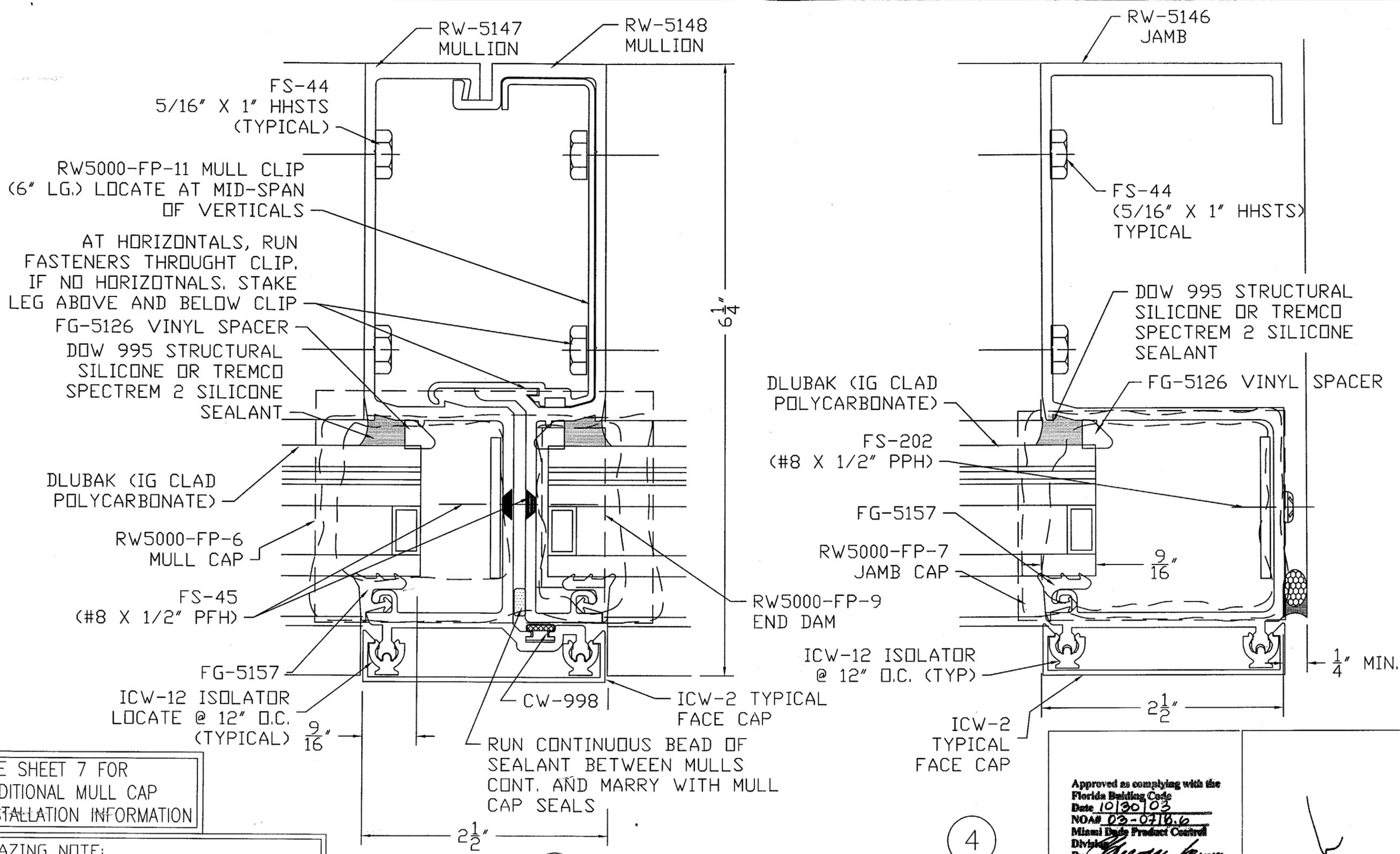
Approved as complying with the  
Florida Building Code  
Date 10/30/03  
NOA# 03-0318.06  
Miami Dade Product Control  
By: *Glendon Korman*

JUN 24 2003

		PRODUCT DEVELOPMENT GROUP	
		NO.	REVISION

RW-5100 INSULATED IMPACT  
RIBBON WINDOW SYSTEM

DATE 1/18/02	SHEET 4 OF 6
DRAWN BY JPC	
DWG. NO. RW5100IMP	



SEE SHEET 7 FOR  
ADDITIONAL MULL CAP  
INSTALLATION INFORMATION

GLAZING NOTE:  
REFERENCE SHEET 3 FOR GLASS  
SCHEDULE, AND SHEET 5 FOR GASKET  
AND GLAZING OPTIONS.

Approved as complying with the  
Florida Building Code  
Date 10/30/03  
NOA# 03-0716.6  
Miami Dade Product Control  
Division  
By: *[Signature]*

JUN 24 2003

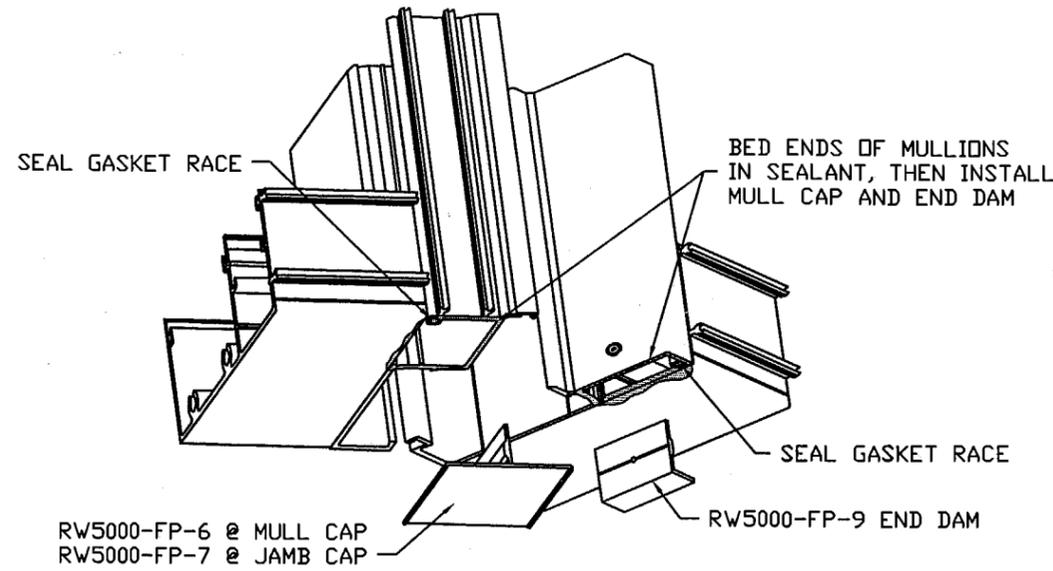
VISTAWALL		ARCHITECTURAL PRODUCTS	
PRODUCT DEVELOPMENT GROUP			
NO.	REVISION	DATE	BY

RW-5100 INSULATED IMPACT  
RIBBON WINDOW SYSTEM

DATE 1/18/02
DRAWN BY JPC
DWG. NO. RW5100IMP

SHEET 5
OF 6

# MULL CAP SEALANT DETAIL AND INSTALLATION INSTRUCTIONS



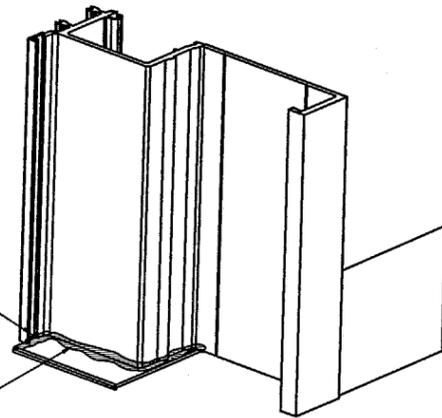
**DETAIL A**

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

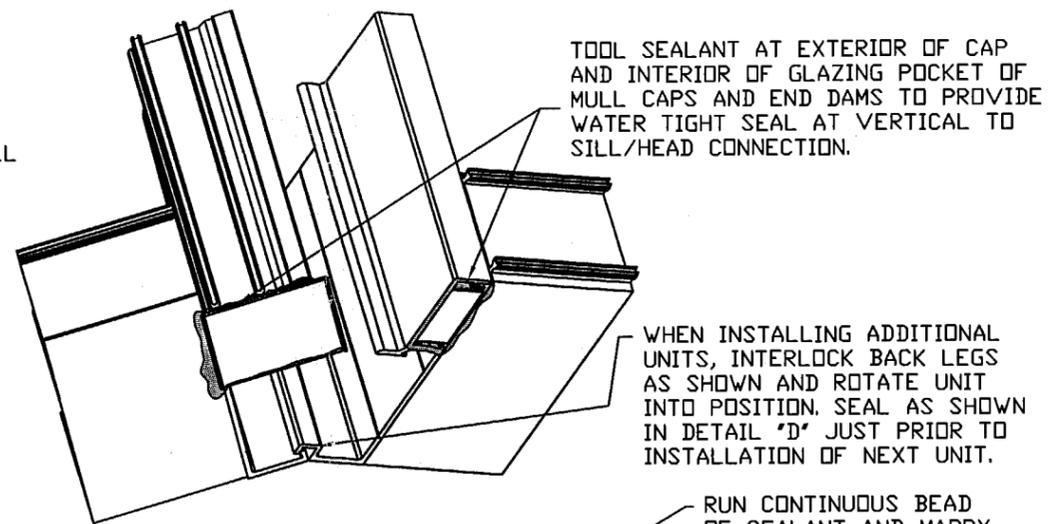
INSTALL MULL CAPS AND END DAMS USING FS-45 (#8 X 1/2" PFH), INSTALL JAMB CAPS USING FS-202 (#8 X 1/2" PPH). (CAP SEAL ALL FASTENERS)

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

WHEN INSTALLING THE FG5000-FP-6 MULL CAP, KEEP THIS AREA CLEAR OF SEALANT TO ALLOW FOR INSTALLATION OF NEXT UNIT.



**DETAIL B**

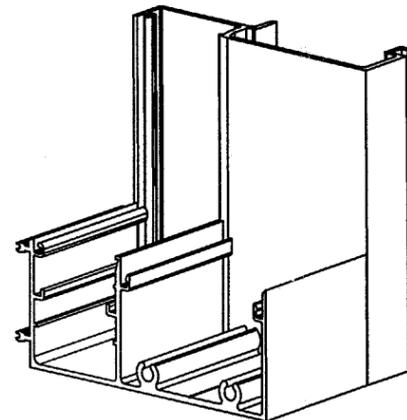


**DETAIL C**

TOOL SEALANT AT EXTERIOR OF CAP AND INTERIOR OF GLAZING POCKET OF MULL CAPS AND END DAMS TO PROVIDE WATER TIGHT SEAL AT VERTICAL TO SILL/HEAD CONNECTION.

WHEN INSTALLING ADDITIONAL UNITS, INTERLOCK BACK LEGS AS SHOWN AND ROTATE UNIT INTO POSITION. SEAL AS SHOWN IN DETAIL "D" JUST PRIOR TO INSTALLATION OF NEXT UNIT.

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



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

**DETAIL D**

**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.)

Approved as complying with the Florida Building Code  
 Date 10/30/03  
 NOAS 03-0318.06  
 Miami Trade Product Control  
 Division  
 By: *Clayton Keener*

JUN 24 2003

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

RW-5100 INSULATED IMPACT RIBBON WINDOW SYSTEM

DATE 1/18/02
DRAWN BY JPC
DWG. NO. RW5100IMP

SHEET 6
OF 6