



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

MIAMI-DADE COUNTY, FLORIDA  
 METRO-DADE FLAGLER BUILDING  
 140 WEST FLAGLER STREET, SUITE 1107  
 MIAMI, FLORIDA 33130-1563  
 (305) 375-2902 FAX (305) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.maimidade.gov/buildingcode](http://www.maimidade.gov/buildingcode)

**Sunshine Windows Manufacturing, Inc.**  
 1745 West 33<sup>rd</sup> Place  
 Hialeah, FL 33012

**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 Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series 2000 Aluminum Single Hung Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. SH08-01, titled "Series 2000 Aluminum Single Hung Impact Resistant Window", sheets 1 through 6 of 6, dated 04/02/08, revised and dated 03/04/10, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Division.

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

**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. 08-0219.03 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
 3/23/10

NOA No. 09-1217.05  
 Expiration Date: April 24, 2013  
 Approval Date: March 24, 2010  
 Page 1

**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No SH08-01, Sheets 1 through 6 of 6, titled "Series 2000 Aluminum Single Hung Impact Resistant Window", dated 04/02/08, revised and dated 03/04/10, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E.

**B. TESTS**

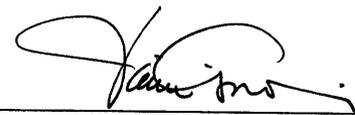
1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of series 2000 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5253, dated 10/02/07, signed and sealed by Carlos S. Rionda, P. E.  
*(Submitted under previous NOA No.08-0219.03)*
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
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of series 2000 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5252, dated 08/17/07, signed and sealed by Carlos S. Rionda, P. E.  
*(Submitted under previous NOA No.08-0219.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and FBC-2007, prepared by manufacturer, dated 12/22/07, signed and sealed by Francisco Hernandez, P. E.  
**Complies with ASTM E1300-02**  
*(Submitted under previous NOA No.08-0219.03)*

**D. QUALITY ASSURANCE**

1. Miami-Dade Building Code Compliance Office (BCCO).



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**Jaime D. Gascon, P. E.**  
**Chief, Product Control Division**  
**NOA No. 09-1217.05**  
**Expiration Date: April 24, 2013**  
**Approval Date: March 24, 2010**

**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **09-0312.02** issued to E. I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 05/13/09, expiring on 12/11/10.

**F. STATEMENTS**

1. Statement letter of conformance, dated December 08, 2009, signed and sealed by Francisco Hernandez, P. E.
2. Statement letter of no financial interest, dated February 6, 2008, signed and sealed by Francisco Hernandez, P. E.  
*(Submitted under previous NOA No.08-0219.03)*
3. Laboratory compliance letter for Test Report No. **FTL-5252** issued by Fenestration Testing Laboratory, Inc., dated 08/28/07, signed and sealed by Carlos S. Rionda, P. E.  
*(Submitted under previous NOA No.08-0219.03)*
4. Laboratory compliance letter for Test Report No. **FTL-5253** issued by Fenestration Testing Laboratory, Inc., dated 10/10/07, signed and sealed by Carlos S. Rionda, P. E.  
*(Submitted under previous NOA No.08-0219.03)*

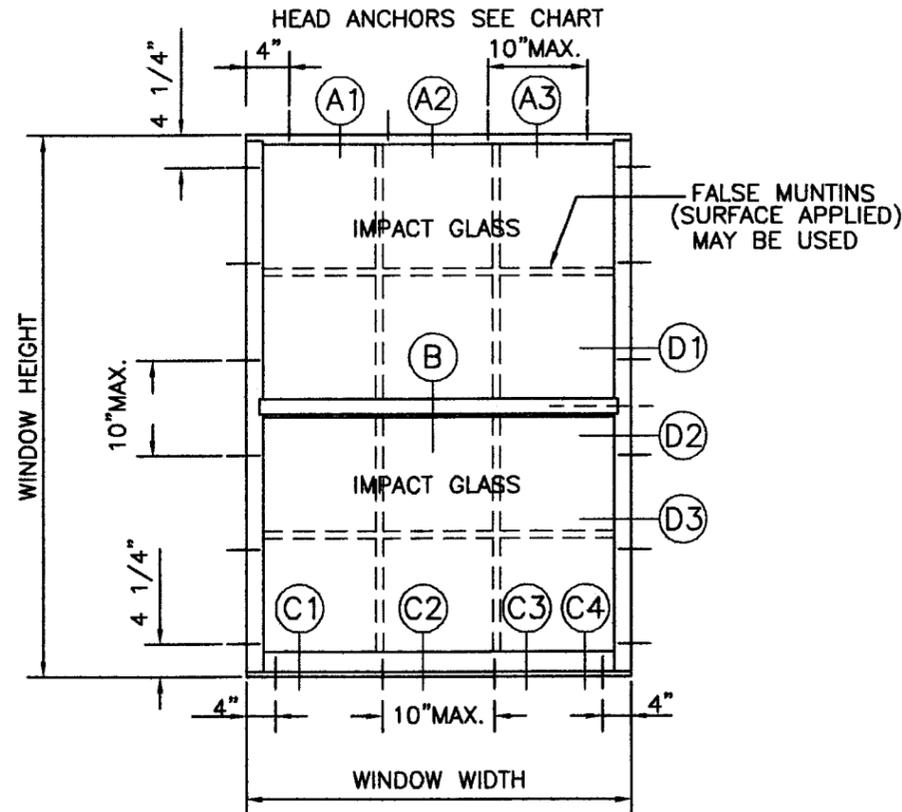
**G. OTHERS**

1. Notice of Acceptance No. **08-0219.03**, issued to Sunshine Windows Manufacturing, Inc. for their Series "**2000 Aluminum Single Hung Window - L.M.I.**", approved on 04/24/08 and expiring on 04/24/13.



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**Jaime D. Gascon, P. E.**  
**Chief, Product Control Division**  
**NOA No. 09-1217.05**  
**Expiration Date: April 24, 2013**  
**Approval Date: March 24, 2010**



TYPICAL ELEVATION 1 OVER 1

**GENERAL NOTES:**

- 1.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURE CHART.
- 2.- REFERENCES: TEST REPORTS FTL-5252 AND FTL-5253.
- 3.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2007 FLORIDA BUILDING CODE.
- 4.-FASTENERS MUST BE MADE OF STAINLESS STEEL OR HAVE ADEQUATE PROTECTION AGAINST CORROSION AS PER DIN 50018. ALUMINUM CONTACTING METALS SHALL BE PROPERLY PROTECTED.

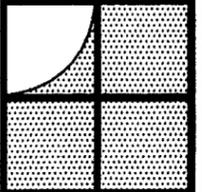
**MIAMI-DADE IMPACT RESISTANT SHUTTERS ARE NOT REQUIRED**

DESIGN PRESSURE CHART - PSF					
SERIES-2000 ALUMINUM SINGLE HUNG IMPACT RESISTANT WINDOW					
WINDOW DIMENSION		ANCHOR SCHEDULE		DESIGN PRESSURE-PSF	
WIDTH	HEIGHT	PER HEAD AND SILL	PER JAMB	EXT.	INT.
19 1/8"	26"	3	3	90.0	90.0
26 1/2"		3		90.0	90.0
37"		4		90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	38 3/8"	3	4	90.0	90.0
26 1/2"		3		90.0	90.0
37"		4		90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	50 5/8"	3	6	90.0	90.0
26 1/2"		3		90.0	90.0
37"		4		90.0	90.0
53 1/8"		6		75.0	75.0
19 1/8"	63"	3	7	75.0	75.0
26 1/2"		3		75.0	75.0
37"		4		75.0	75.0
53 1/8"		6		75.0	75.0
19 1/8"	74 1/4"	3	8	75.0	75.0
26 1/2"		3		75.0	75.0
37"		4		75.0	75.0
53 1/8"		6		75.0	75.0

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 09-1217.05  
 Expiration Date 07/24/2013  
 By: *[Signature]*  
 Miami Dade Product Control  
 Division

*[Signature]*  
 12-8-09

FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393



Sunshine Windows  
 Manufacturing, Inc.  
 1745 W. 33rd Place  
 Hialeah, Florida 33012  
 Ph: (305)364-9952  
 Fax: (305)828-5118

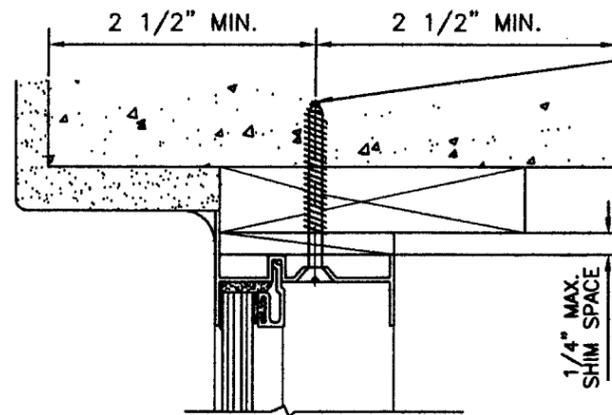
SERIES 2000 ALUMINUM  
 SINGLE HUNG IMPACT RESISTANT WINDOW

Drawn By: RF  
 Date: 04-02-08  
 Scale: 1/2"=1'  
 Revision: 12-8-09  
 Revision:

DRAWING NO.  
 SH08-01

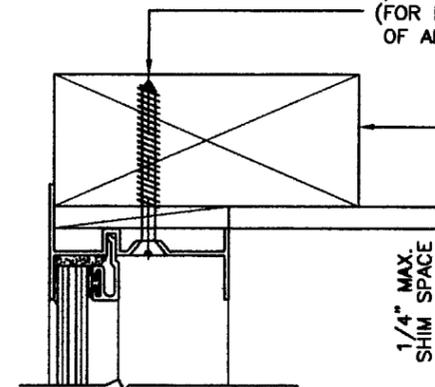
SHEET  
 1 OF 6

**IMPACT RESISTANT WINDOW**



**DETAIL A1**  
**ATTACHMENT TO MASONRY**

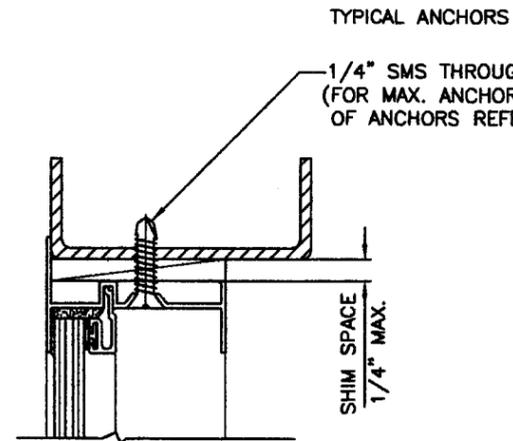
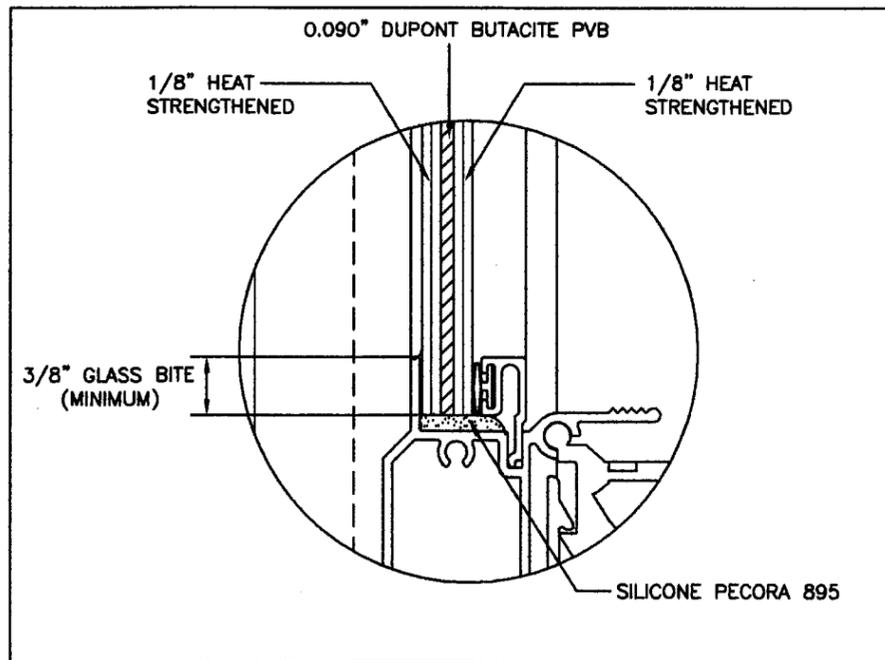
TYPICAL ANCHORS  
1/4" TAPCONS 1 1/4" MIN. EMBEDMENT INTO MASONRY THROUGH 1" BY WOOD BUCK (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO SHEET 1 OF 6)



**DETAIL A2**  
**ATTACHMENT TO WOOD**

TYPICAL ANCHORS  
1/4" SMS 1 1/2" MIN. PENETRATION INTO WOOD. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO SHEET 1 OF 6)

**GLAZING DETAIL**

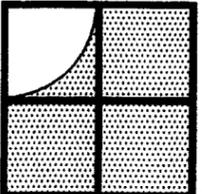


**DETAIL A3**  
**ATTACHMENT TO METAL STRUCTURE DETAIL**  
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

TYPICAL ANCHORS  
1/4" SMS THROUGH METAL. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO SHEET 1 OF 6)

**TYPICAL HEAD SECTIONS**

**IMPACT RESISTANT WINDOW**



Sunshine Windows Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-8952  
Fax: (305)828-5118

**SERIES 2000 ALUMINUM SINGLE HUNG IMPACT RESISTANT WINDOW**

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 09-1217.05  
Expiration Date 04/24/2013  
By: *[Signature]*  
Miami Made Product Control Division

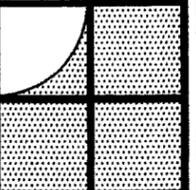
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12-8-09

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

Drawn By: RF  
Date: 04-02-08  
Scale: 1/2"=1'  
Revision: 12-8-09

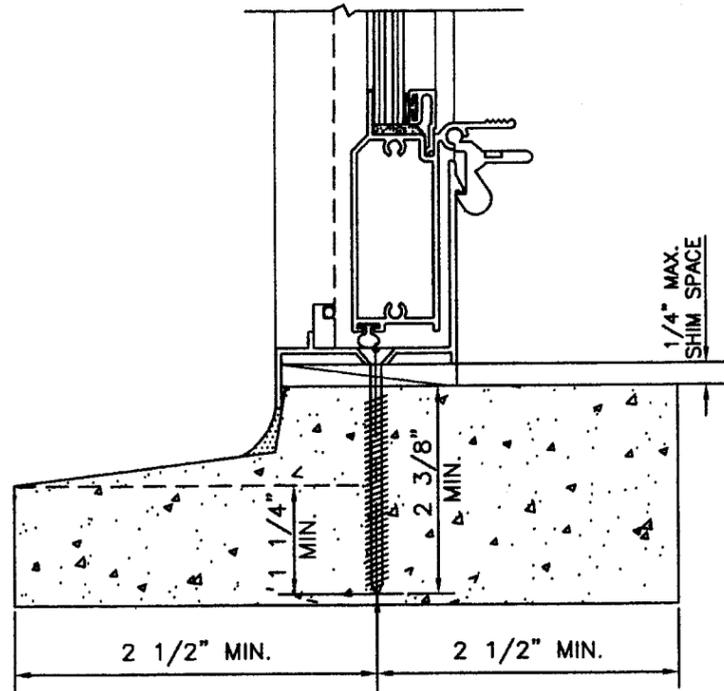
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SH08-04

SHEET  
2 OF 6



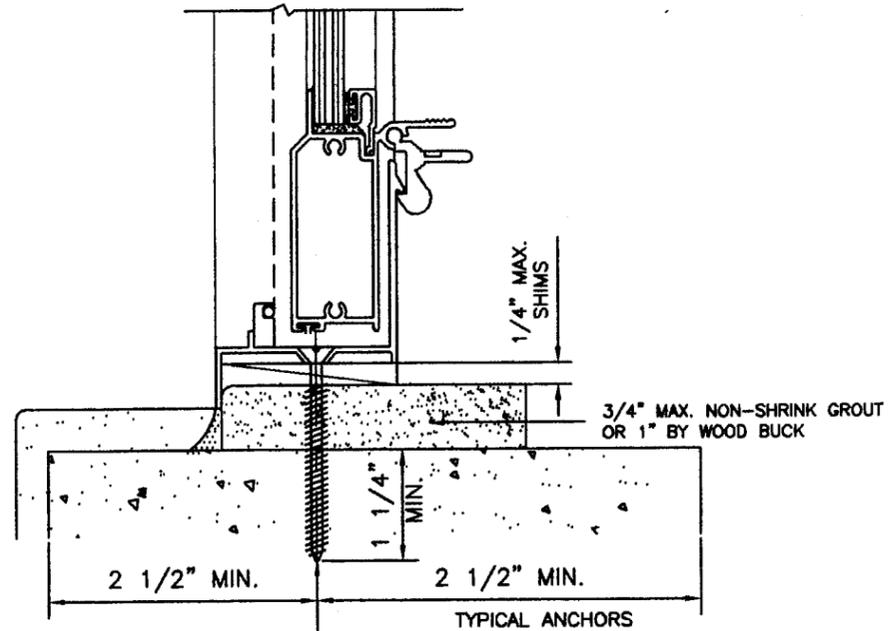
Sunshine Windows  
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1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax:(305)828-5118

SERIES 2000 ALUMINUM  
SINGLE HUNG IMPACT RESISTANT WINDOW



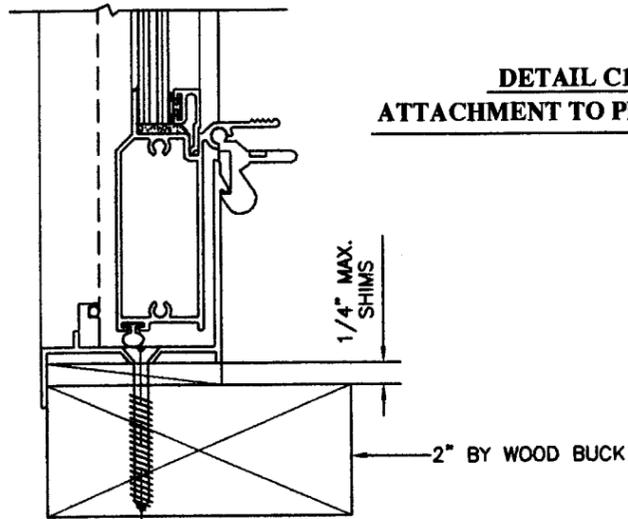
TYPICAL ANCHORS  
1/4" TAPCONS 1 1/4" MIN. EMBEDMENT  
INTO MASONRY  
(FOR MAX. ANCHOR SPACING AND NUMBER  
OF ANCHORS REFER TO SHEET 1 OF 6)

**DETAIL C1**  
**ATTACHMENT TO PRE-CAST SILL**



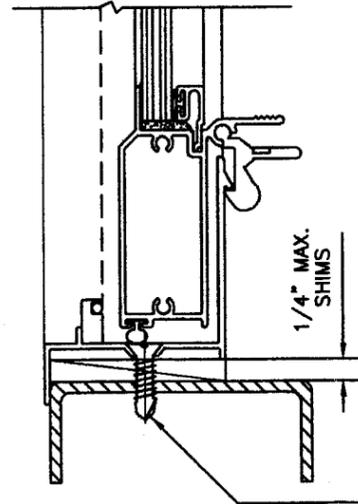
TYPICAL ANCHORS  
1/4" TAPCONS 1 1/4" MIN. EMBEDMENT  
INTO MASONRY THROUGH 1" BY WOOD BUCK  
OR NON SHRINK NON METALLIC GROUT  
(FOR MAX. ANCHOR SPACING AND NUMBER  
OF ANCHORS REFER TO SHEET 1 OF 6)

**DETAIL C2**  
**ATTACHMENT TO MASONRY**



TYPICAL ANCHORS  
1/4" SMS 1 1/2" MIN. PENETRATION INTO WOOD.  
(FOR MAX. ANCHOR SPACING AND NUMBER  
OF ANCHORS REFER TO SHEET 1 OF 6)

**DETAIL C3**  
**ATTACHMENT TO WOOD**



TYPICAL ANCHORS  
1/4" SMS THROUGH METAL.  
(FOR MAX. ANCHOR SPACING AND NUMBER  
OF ANCHORS REFER TO SHEET 1 OF 6)

**DETAIL C4**  
**ATTACHMENT TO METAL STRUCTURE**  
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)

**TYPICAL SILL SECTIONS**

**IMPACT RESISTANT WINDOW**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 09-1217.05  
Expiration Date 09/24/2013  
By: [Signature]  
Miami Dade Product Control  
Division

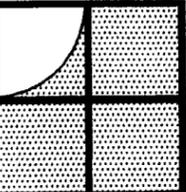
[Signature]  
12-8-09

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

Drawn By: RF  
Date: 04-02-08  
Scale: 1/2"=1'  
Revision: 12-8-09  
Revision:

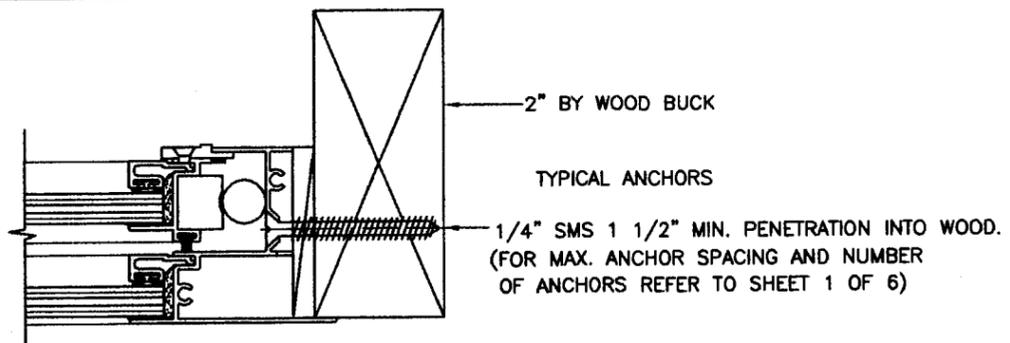
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SH08-05

SHEET  
3 OF 6

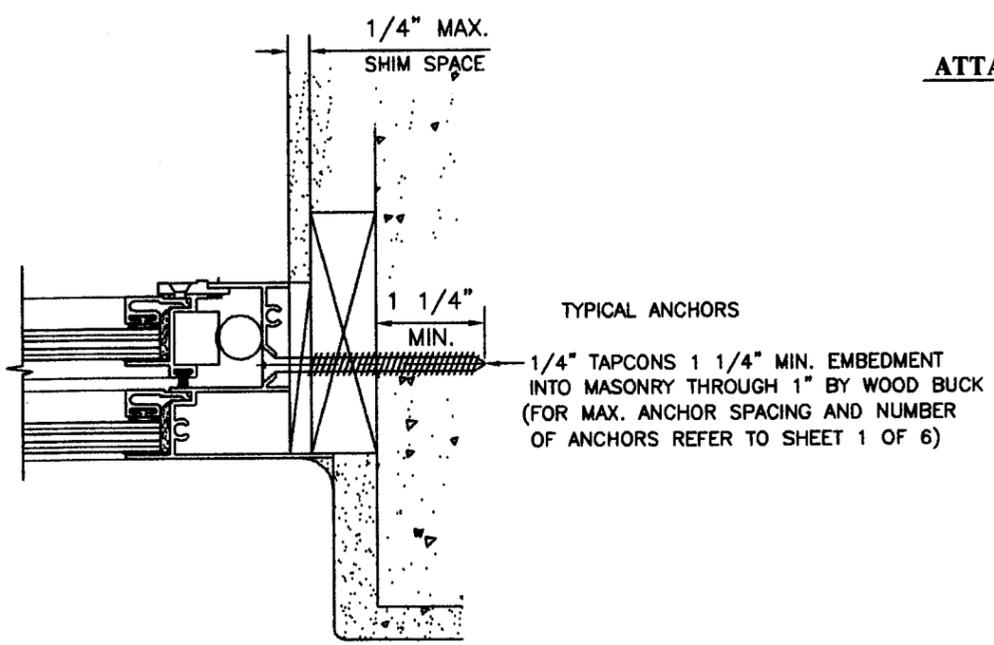


Sunshine Windows  
Manufacturing, Inc.  
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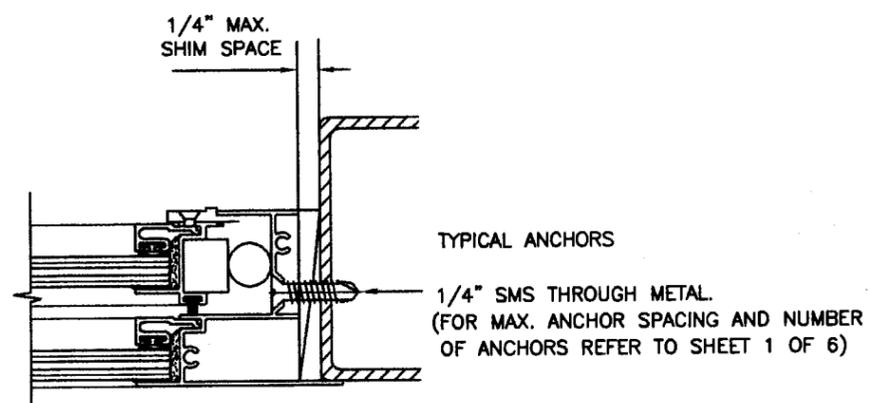
SERIES 2000 ALUMINUM  
SINGLE HUNG IMPACT RESISTANT WINDOW



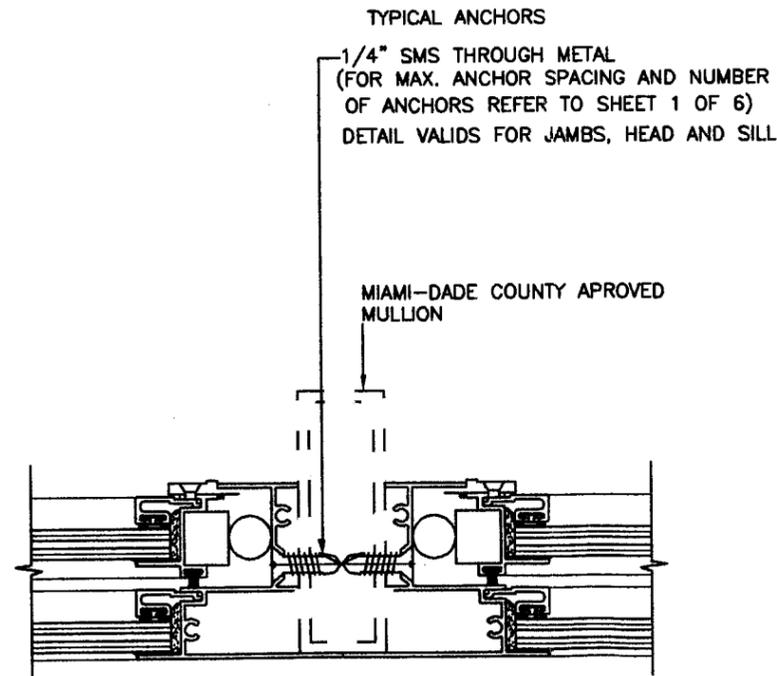
**DETAIL D2  
ATTACHMENT TO WOOD**



**DETAIL D1  
ATTACHMENT TO MASONRY**



**DETAIL D3  
ATTACHMENT TO METAL STRUCTURE  
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)**



**ATTACHMENT TO MULLION DETAIL**

**TYPICAL JAMB SECTIONS**

**IMPACT RESISTANT WINDOW**

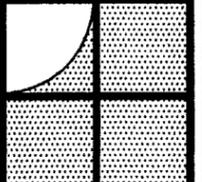
PRODUCT REVISED  
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Building Code  
Acceptance No. 09-1217-05  
Expiration Date 04/24/2013  
By: *[Signature]*  
Miami Dade Product Control  
Division

*[Signature]*  
12-8-09  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

Drawn By: RF  
Date: 04-02-08  
Scale: 1/2"=1'  
Revision: 12-8-09  
Revision:

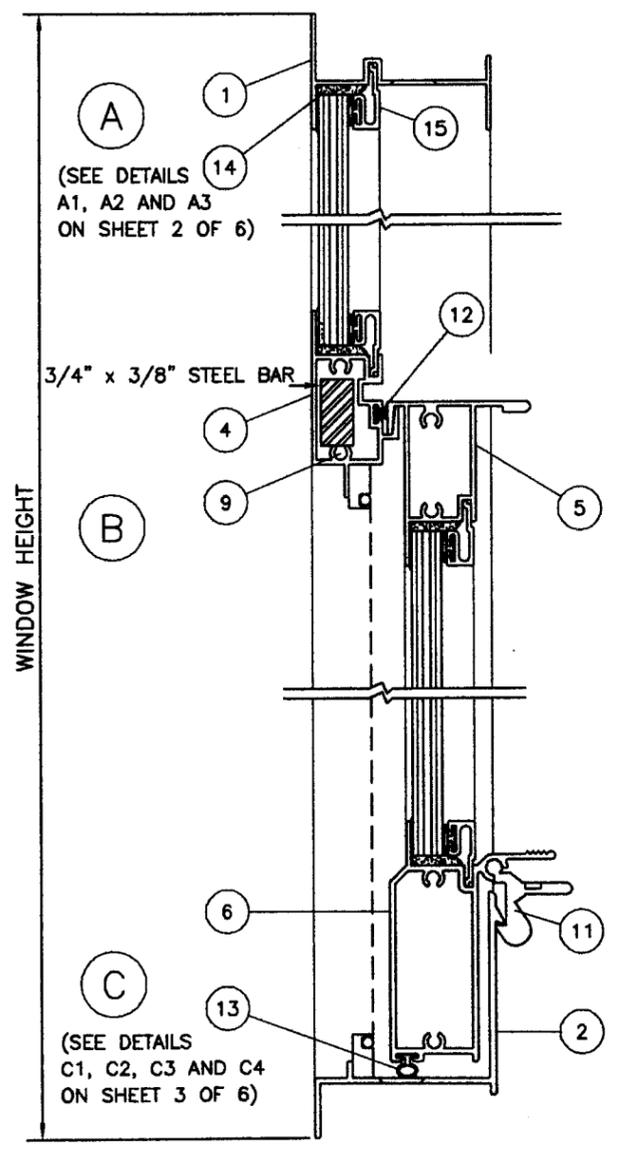
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SH08-06

SHEET  
4 OF 6

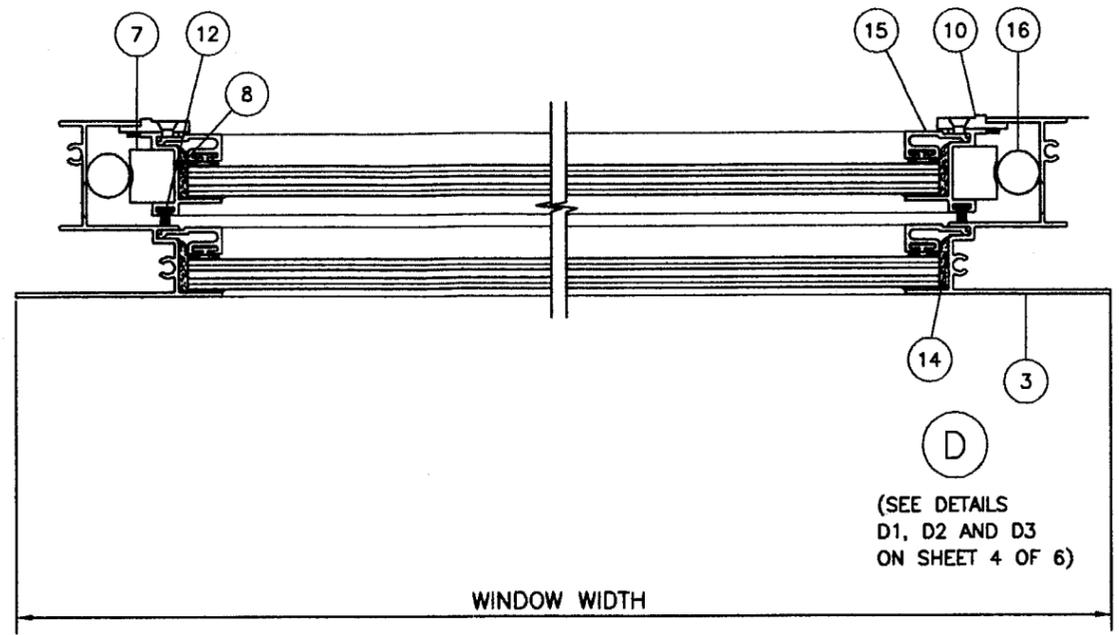


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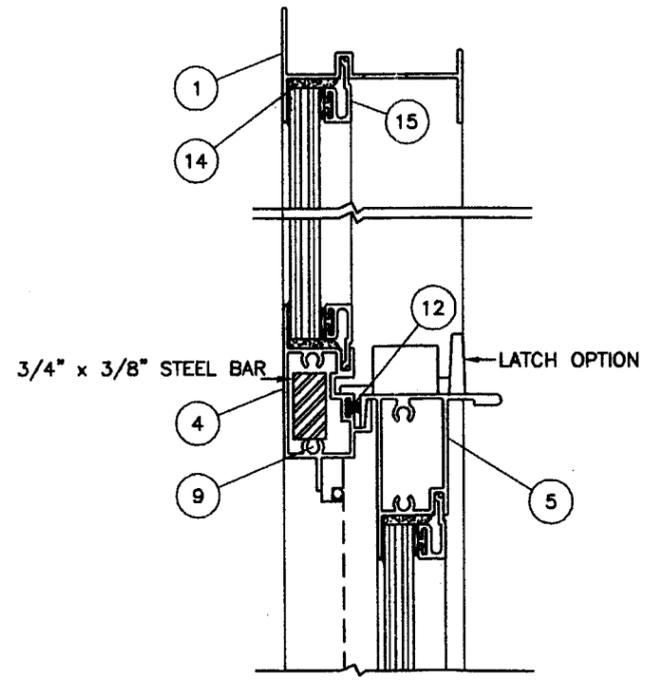
SERIES 2000 ALUMINUM  
SINGLE HUNG IMPACT RESISTANT WINDOW



VERTICAL SECTION



HORIZONTAL SECTION



VERTICAL SECTION  
WITH TOP LOCK

IMPACT RESISTANT WINDOW

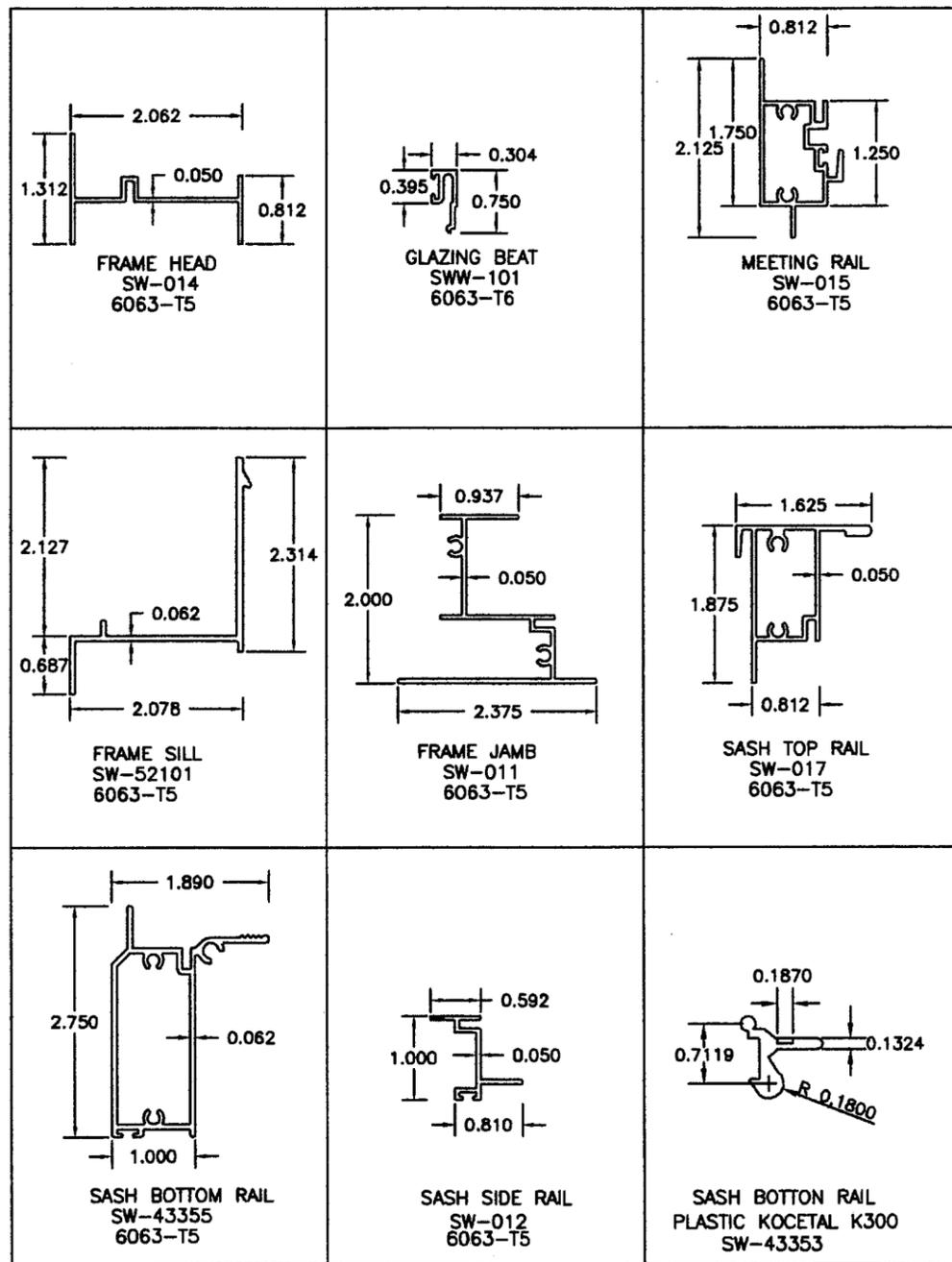
PRODUCT REVISED  
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Building Code  
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Expiration Date 04/24/2013  
By *[Signature]*  
Miami Dade Product Control  
Division

*[Signature]*  
12-8.09  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

Drawn By: RF  
Date: 04-02-08  
Scale: 1/2"=1'  
Revision: 12-8-09  
Revision:

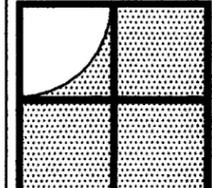
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SH08-02

SHEET  
5 OF 6



**MATERIAL LIST**

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-014	1	FRAME HEAD	6063-T5
2	SW52101	1	FRAME SILL	6063-T5
3	SW-011	2	FRAME JAMB	6063-T5
4	SW40111	1	MEETING RAIL	6063-T5
5	SW-017	1	SASH TOP RAIL	6063-T5
6	SW43355	1	SASH BOTTOM RAIL	6063-T5
7	SW8202B	2	SASH CAM	NYLON
8	SW-012	2	SASH SIDE RAIL	6063-T5
9	SW-AS	AS REQ	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS
10	SW8202A	4/VENT	FACE GUIDES	NYLON
11	SW43353	2/VENT	LATCH BOTTOM RAIL	PLASTIC
12	SW1820	AS RQD	SEAL PILE	FELT
13	SW3257	AS RQD	WEATHER STRIP BULB	VINYL
14	-	AS RQD	SILICONE	DC-899/GE-1200
15	SWW101	AS RQD	GLAZING BEAD	6063-T6
16	SW540	2	SPIRAL BALANCE	ALUMINUM
17	SW-667	2/VENT	LATCH	ZINC
18	SW3082	AS RQD	WEATHER STRIP BULB	VINYL



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**SERIES 2000 ALUMINUM  
 SINGLE HUNG IMPACT RESISTANT WINDOW**

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 09-1217.05  
 Expiration Date 04/24/2013  
 By *[Signature]*  
 Miami Dade Product Control  
 Division

*[Signature]*  
 12-8-09

FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

Drawn By: RF  
 Date: 04-02-08  
 Scale: 1/2"=1'  
 Revision: 12-8-09  
 Revision:

DRAWING NO.  
 SH08-03

SHEET  
 6 OF 6

**IMPACT RESISTANT WINDOW**