



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)

www.buldingcodeonline.com

Sunshine Windows Manufacturing, Inc.
1745 W. 33rd 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. SH07-08, titled "Series 2000 Aluminum Single Hung Window", sheets 1 and 3 of 3, dated 04/29/2007, prepared by Francisco Hernandez, P.E. Structural Engineering, 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 and renews** NOA # 02-0212.02 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
5/3/07

NOA No. 07-0410.05
Expiration Date: April 22, 2008
Approval Date: May 24, 2007
Page 1

Sunshine Windows Manufacturing, Inc.

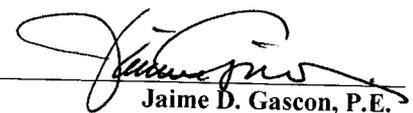
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **SH07-08**, Sheets 1 and 3 of 3, titled "Series 2000 Aluminum Single Hung Window", dated 04/27/2007, prepared by Francisco Hernandez Structural, P.E. Engineering, signed and sealed by Francisco Hernandez, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Small Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94along with marked-up drawings and installation diagram of an Series 2000 aluminum single hung window (light duty) using ¼" temp. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1837**, dated November 16, 1997, signed and sealed by Gilbert Diamond, P.E.
(Submitted under previous NOA # 02-0212.02)
2. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Small Missile Impact Test per SFBC, PA 201-94
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94along with marked-up drawings and installation diagram of an Series 2000 aluminum single hung window (medium duty) using Glasslam and Dupont HS laminated glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1982**, dated August 4, 1998, signed and sealed by Gilbert Diamond, P.E.
(Submitted under previous NOA # 02-0212.02)
(The following test reports are from other files and used in this file for reference.)
3. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94
 - 4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94along with marked-up drawings and installation diagram of an Series 2000 aluminum single hung window (light duty) using 1/8" annealed glass, prepared by Miami Testing Laboratory, Inc., Test Report No. **MTL-16143**, dated July 12, 1994, signed by Ernest E. Mitchell, P.E.
(Submitted under previous NOA # 02-0212.02)


Jaime D. Gascon, P.E.

Chief, Product Control Division
NOA No. 07-0410.05

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4. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of an Series 2000 aluminum single hung window (heavy duty) using 3/16" annealed glass, prepared by Miami Testing Laboratory, Inc., Test Report No. **MTL-16176**, dated July 12, 1994, signed by Ernest E. Mitchell, P.E.

(Submitted under previous NOA # 02-0212.02)

5. Test reports on 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of an Series 2000 aluminum single hung window (medium duty) using 3/16" annealed glass, prepared by Miami Testing Laboratory, Inc., Test Report No. **MTL-16175**, dated July 12, 1994, signed by Ernest E. Mitchell, P.E.

(Submitted under previous NOA # 02-0212.02)

C. CALCULATIONS

1. Comparative analysis, dated April 27, 2007, prepared by Francisco Hernandez Structural Engineering, signed and sealed by Francisco Hernandez, P.E.
Complies with ASTM E1300-98/ 02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter from manufacturer stating that the product has not changed, dated January 8, 2007, signed by Noel Martinez, Assistant Manager.

G. OTHER

1. None



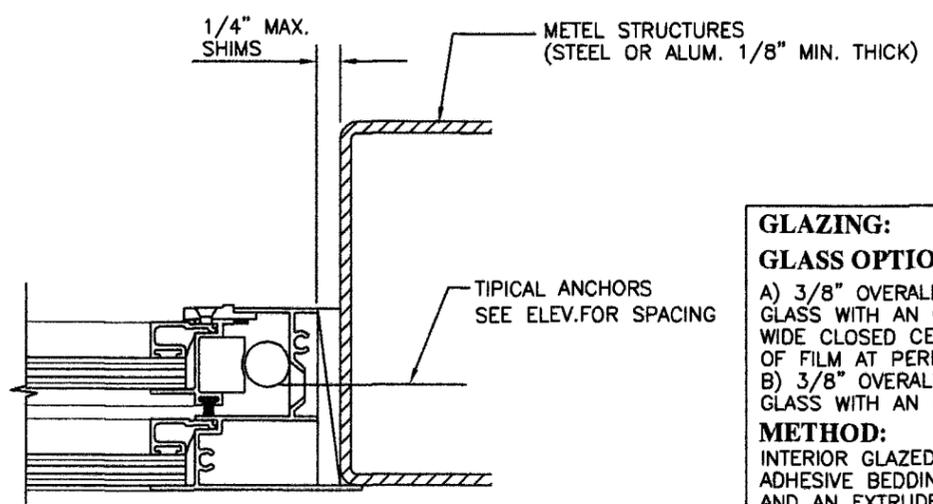
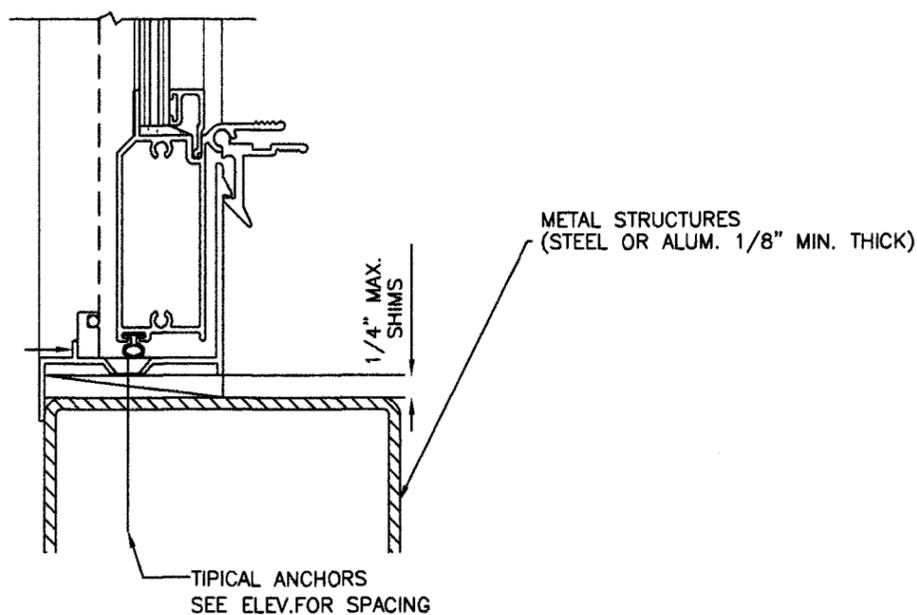
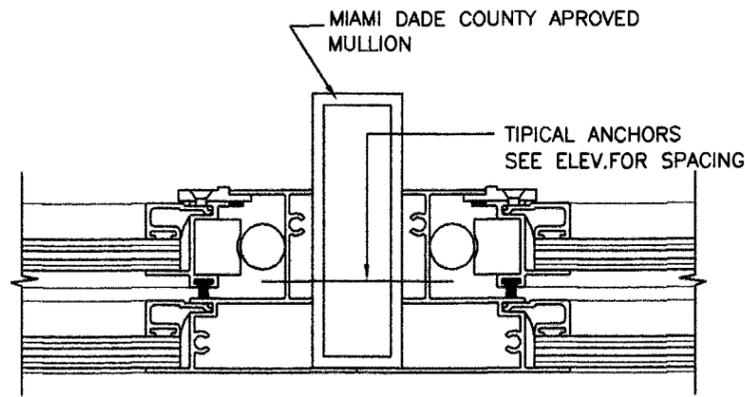
Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No. 07-0410.05

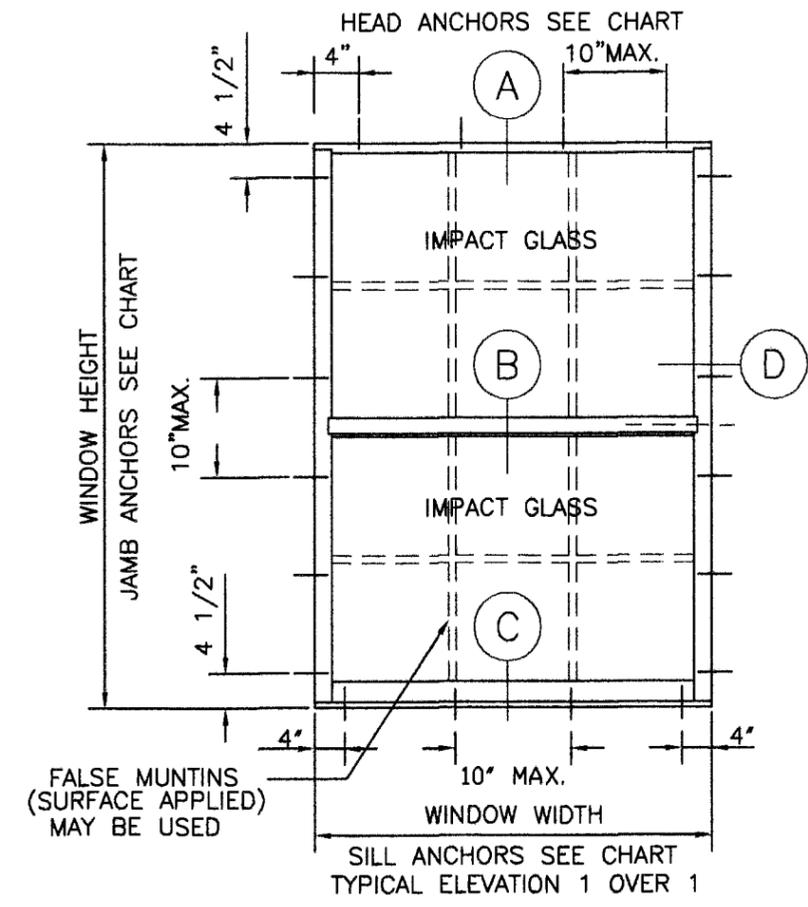
Expiration Date: April 22, 2008

Approval Date: May 24, 2007



DESIGN PRESSURE CHART - PSF					
SERIES-2000 ALUMINUM SINGLE HUNG WINDOW					
WINDOW DIMENSION		ANCHOR SCHEDULE		IMPACT RESISTANT GLASS STANDARD SILL	
WIDTH	HEIGHT	PER HEAD AND SILL	PER JAMB	1/4" TAPCONS	
				EXT.	INT.
19 1/8"	26"	2	3	70.0	90.0
26 1/2"		3		70.0	90.0
37"		4		70.0	90.0
53 1/8"		6		70.0	90.0
19 1/8"	38 3/8"	2	4	70.0	90.0
26 1/2"		3		70.0	90.0
37"		4		70.0	90.0
53 1/8"		6		70.0	90.0
19 1/8"	50 5/8"	2	6	70.0	90.0
26 1/2"		3		70.0	90.0
37"		4		70.0	90.0
53 1/8"		6		70.0	90.0
19 1/8"	63"	2	7	70.0	90.0
26 1/2"		3		70.0	90.0
37"		4		70.0	90.0
53 1/8"		6		70.0	90.0
19 1/8"	73 3/4"	2	8	70.0	81.9
26 1/2"		3		70.0	88.3
37"		4		70.0	84.1
53 1/8"		6		70.0	86.4

GLAZING:
GLASS OPTIONS:
 A) 3/8" OVERALL LAMINATED GLASS USING TWO LIGHTS OF 1/8" HEAT STRENGTHENED GLASS WITH AN 0.010" INTERLAYER FILM, GLASSLAM SAFETY PLUS AND A 3/8" WIDE CLOSED CELL FOAM, FRANK LOWE RUBBER & GASKET S-10 ON EACH SIDE OF FILM AT PERIMETER EDGE.
 B) 3/8" OVERALL LAMINATED GLASS USING TWO LIGHTS OF 1/8" HEAT STRENGTHENED GLASS WITH AN 0.090" INTERLAYER FILM, DUPONT WITH BUTALITE.
METHOD:
 INTERIOR GLAZED WITH 3/8" GLAZING PENETRATION USING A CLEAR COLORED ADHESIVE BEDDING COMPOUND, SCHNEE MOREHEAD 5731 OR DOW CORNING 795, AND AN EXTRUDED ALUMINUM SNAP ON GLAZING BEAD FASTENED TO FRAME WITH TWO NO. 8 X 3/4" PHSMS PER BEAD.



HURRICANE RESISTANT SHUTTERS ARE NOT REQUIRED

BASED ON FTL-1982 DATED 8-4-98
 TEST SIZE= 53 1/8" X 73 3/4" (1 OVER 1)
 TEST LOADS= +135.0 -135.0 PSF
 DESIGN LOADS= +70.0 -90.0
 WATER INFILTRATION TEST= 10.5 PSF
 TESTED GLASS= 3/8" HEAT STRENGTHENED LAMINATED
 CYCLIC WIND LOAD TEST= +90.0 -90.0 PSF

ANCHORS:
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1/4" TAPCONS WITH 1 1/2" MIN. PENETRATION INTO WOOD.
 INTO 1BY WOOD BUCKS, NON-SHRINK GROUT OR INTO MASONRY
 1/4" TAPCONS WITH 1 1/4" MIN. EMBEDMENT INTO MASONRY.
 INTO METAL STRUCTURE 1/4" SMS
 NOTE: APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR S.H. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.

GENERAL NOTES:
THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 07-0410.05
 Expiration Date 04/22/2008
 By *[Signature]*
 Miami Dade Product Control Division

[Signature]
 A.29.07
 FRANCISCO HERNANDEZ
 FL. PE# 51393

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

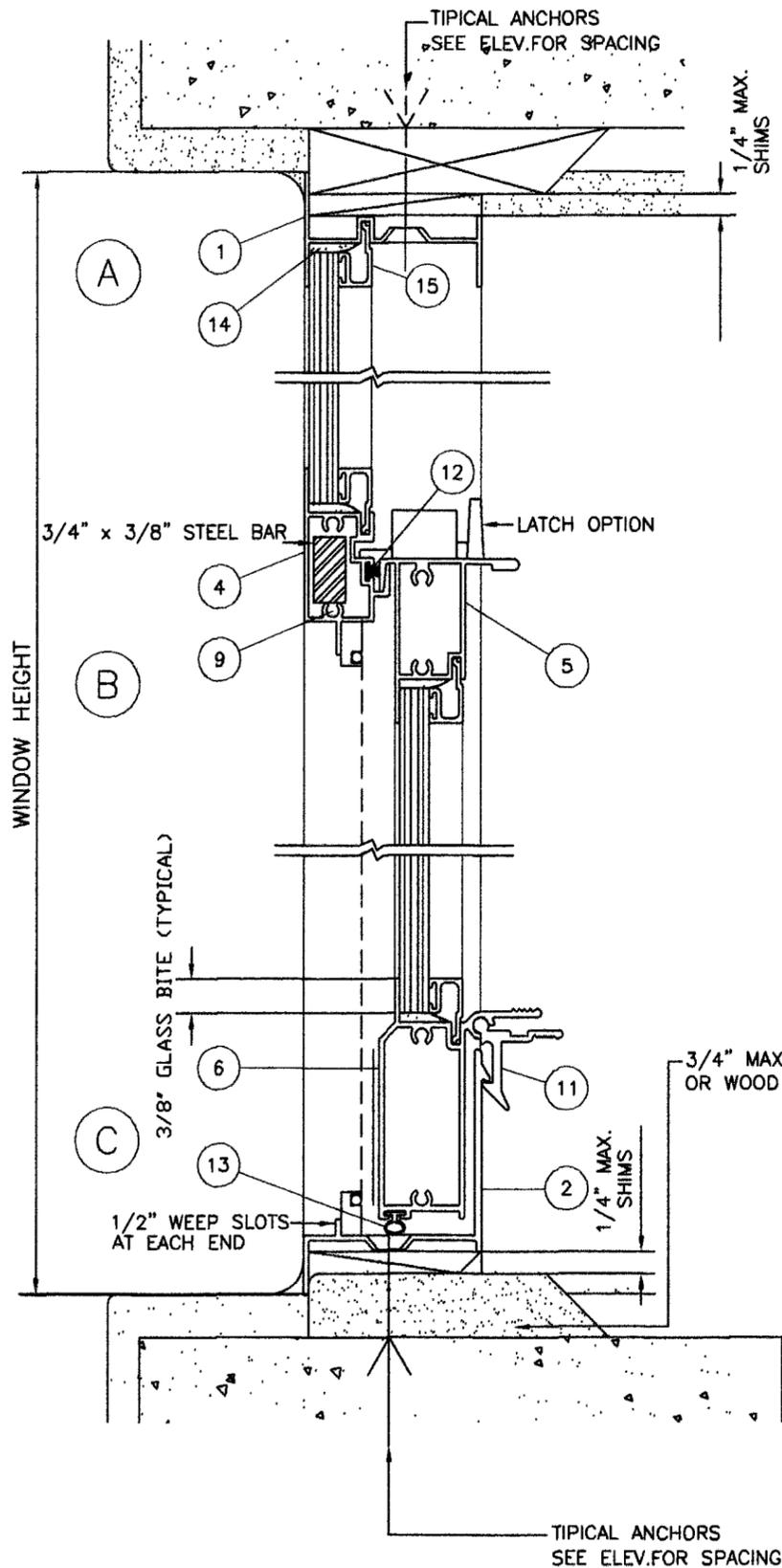
FRANCISCO HERNANDEZ P. E.
 Structural Engineering
 15113 SW 35 TERR
 Miami, Florida 33185
 Phone (305) 227-6901
 Fax (305) 553-2224

SERIES 2000 ALUMINUM SINGLE HUNG WINDOW

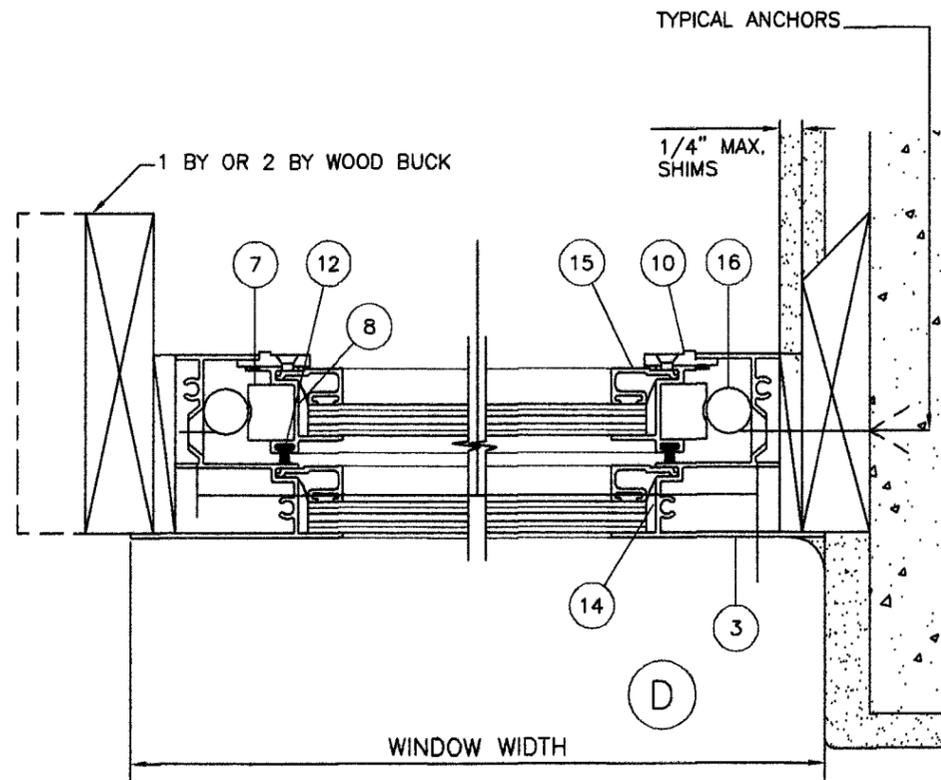
Drawn By: FH Jr
 Date: 4-27-07
 Scale: 1/2"=1"
 Revision: _____
 Revision: _____

DRAWING NO.
 SH07-08
 SHEET
 1 OF 3

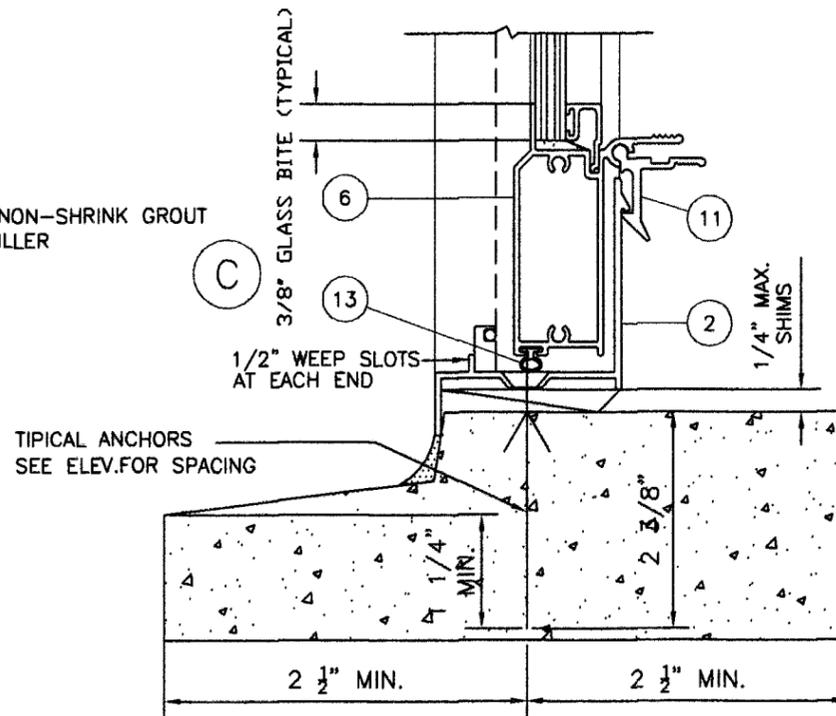
IMPACT RESISTANT WINDOW



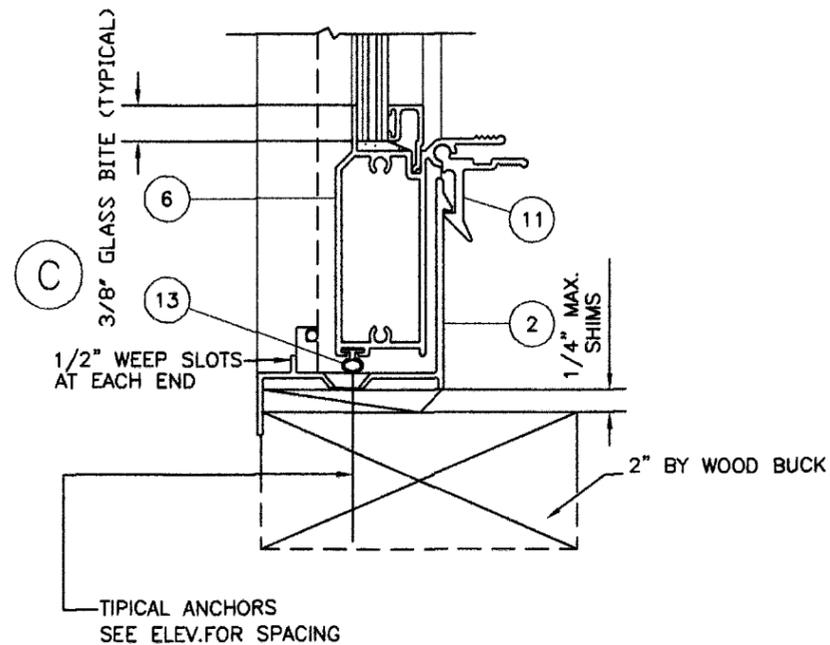
VERTICAL SECTION



HORIZONTAL SECTION



**ATTACHMENT TO PRECAST SILL
VERTICAL SECTION**



IMPACT RESISTANT WINDOW

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Expiration Date 04/22/2008
By *[Signature]*
Miami-Dade Product Control
Division

[Signature]
4-29-07
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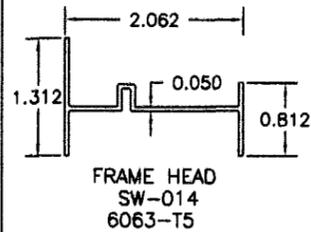
FRANCISCO HERNANDEZ P. E.
Structural Engineering
15113 SW 35 TERR
Miami, Florida 33185
Phone (305) 227 6901
Fax (305) 553 2224

**SERIES 2000 ALUMINUM
SINGLE HUNG WINDOW**

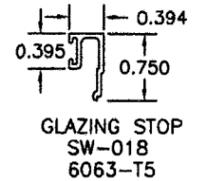
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Revision: _____
Revision: _____

DRAWING NO.
SH07-08

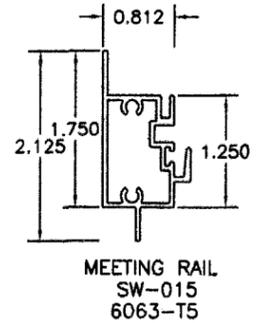
SHEET
2 OF 3



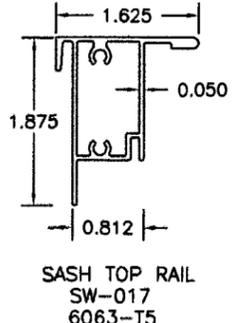
FRAME HEAD
SW-014
6063-T5



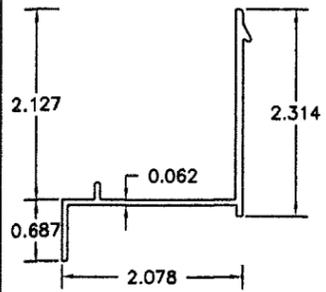
GLAZING STOP
SW-018
6063-T5



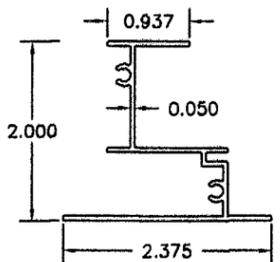
MEETING RAIL
SW-015
6063-T5



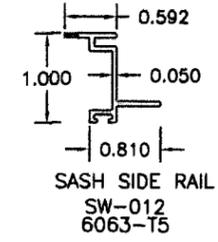
SASH TOP RAIL
SW-017
6063-T5



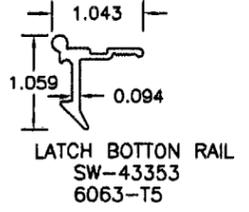
FRAME SILL
SW-52101
6063-T5



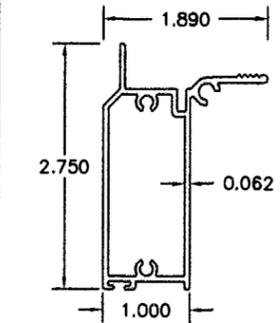
FRAME JAMB
SW-011
6063-T5



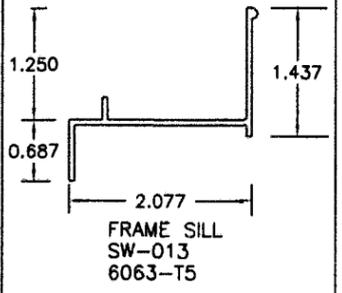
SASH SIDE RAIL
SW-012
6063-T5



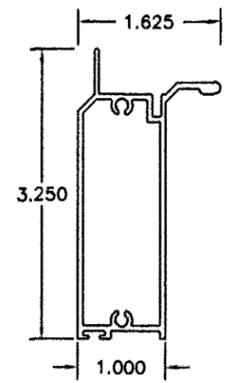
LATCH BOTTOM RAIL
SW-43353
6063-T5



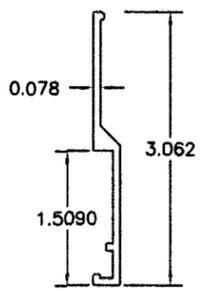
SASH BOTTOM RAIL
SW-43355
6063-T5



FRAME SILL
SW-013
6063-T5



SASH BOTTOM RAIL
SW-40770
6063-T5



SILL RISER
SW-40771
6063-T5

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	6063-T5
12	SW1820	AS RQD	SEAL PILE	FELT
13	SW3257	AS RQD	WEATHER STRIP BULB	VINYL
14	-	AS RQD	SILICONE	DC-795/SM-5731
15	SW-018	AS RQD	GLAZING BEAD	6063-T5
16	SW540	2	SPIRAL BALANCE	ALUMINUM

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SINGLE HUNG WINDOW**

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Revision: _____

DRAWING NO.
SH07-08

SHEET
3 OF 3

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[Signature] 4-27-07
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IMPACT RESISTANT WINDOW