



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.buldingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Sunshine Windows Manufacturing, Inc.
1745 West 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 1650 (XOX) Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. HR07-02, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX) Impact Resistant Windows", sheets 1 through 3 of 3, dated 7/31/07 and revised on 9/05/07, 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 and renews** NOA # 02-0506.01 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 **Manuel Perez, P.E.**



NOA No. 07-0810.06
Expiration Date: August 19, 2008
Approval Date: September 20, 2007
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **HR07-02**, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX) Impact Resistant Windows" Sheets 1 through 3 of 3, dated 7/31/07 and revised on 9/05/07, prepared by manufacturer, signed and sealed by Frank 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, (#6 aggregate gravel)
 - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
 - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

along with marked-up drawings and installation diagram of an aluminum horizontal sliding window with 1/4" temp. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1725**, dated November 21, 1997, signed and sealed by Gilbert Diamond, P.E.

(Submitted under previous approval #99-0326.11)

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) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

along with marked-up drawings and installation diagram of an aluminum horizontal sliding window with 3/8" overall HS laminated glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1006**, dated October 25, 1994, signed and sealed by Yamil Kuri, P.E.

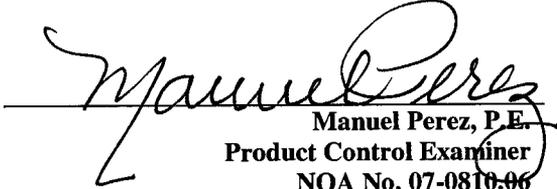
(Submitted under previous approval #99-0326.11)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, dated July 29, 2007, prepared, signed and sealed by Francisco Hernandez, P.E.
Complies with ASTM E1300-98

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0816-06
Expiration Date: August 19, 2008
Approval Date: September 20, 2007

Sunshine Windows Manufacturing, Inc.

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E. MATERIAL CERTIFICATIONS

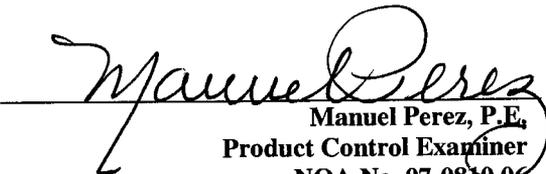
1. Notice of Acceptance No. **06-1205.10** issued to E.I. DuPont DeNemours & Co., Inc. for their “**DuPont Sentry Glass ® Plus**” dated 02/15/07, expiring on 01/14/08.
2. Notice of Acceptance No. **03-0225.10** issued to Glasslam NGI Inc. for their “**Safety-Plus II - Laminated Glass**” dated 08/07/03, expiring on 08/07/08.

F. STATEMENTS

1. Statement letter of conformance, dated July 31, 2007, signed and sealed by Francisco Hernandez, P.E.
2. Statement letter from manufacturer stating that the product has not changed and requesting a One-Year Renewal to allow the time to perform a verification test, dated February 16, 2007, signed by Noel Martinez.
3. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Fenestration Testing Laboratory, Inc., dated August 21, 2007, signed by Leigh B. Sanchez.

G. OTHER

1. Notice of Acceptance No. **02-0506.01**, issued to Sunshine Windows Manufacturing, Inc. for their Series “1650” Aluminum Horizontal Sliding Window (XOX) Impact & Non-Impact, approved on 06/13/02 and expiring on 08/19/07.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0810.06
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DESIGN PRESSURE CHART - PSF

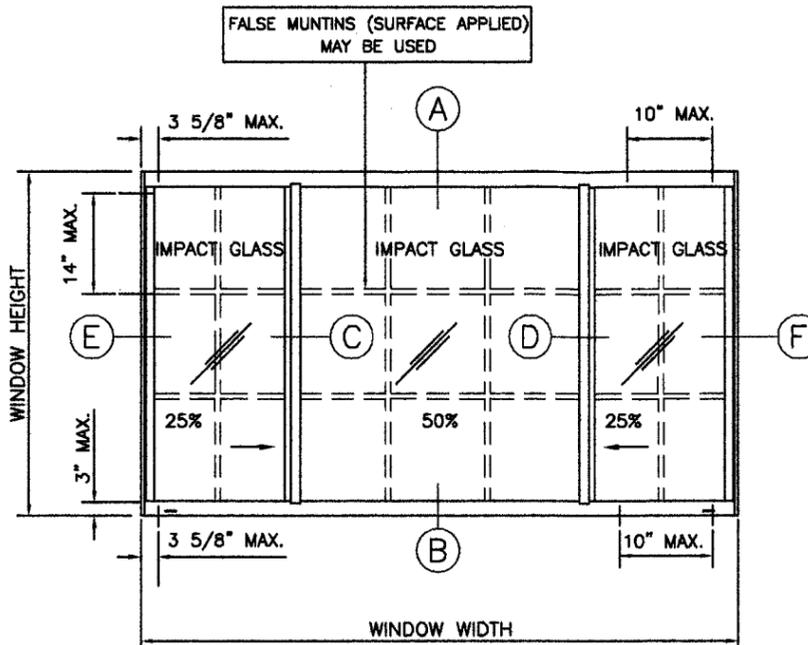
SERIES-1650
ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)

IMPACT RESISTANT GLASS AT VENTS AND FIXED

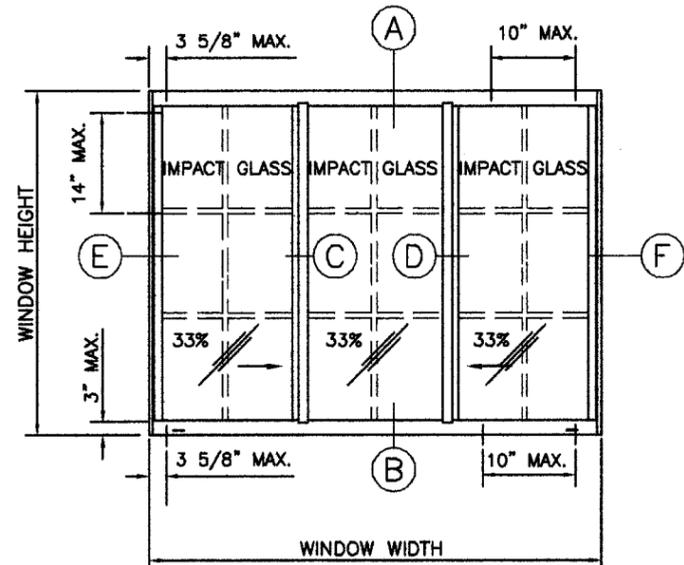
WINDOW DIMENSION ANCHOR SCHEDULE HURRICANE PROTECTION IS NOT REQUIRED

WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	EXTERIOR (+)	INTERIOR (-)
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STANDARD SIZES					
74"	26"	7	3	60.00	60.00
106 1/4"		10		60.00	60.00
111"		10		60.00	60.00
74"	38 3/8"	7	4	60.00	60.00
106 1/4"		10		60.00	60.00
111"		10		60.00	60.00
74"	50 5/8"	7	5	60.00	60.00
106 1/4"		10		56.21	56.21
111"		10		57.92	57.92
74"	63"	7	6	60.00	60.00
106 1/4"		10		48.91	48.91
111"		10		50.16	50.16
MODULAR SIZES					
72"	24"	7	3	60.00	60.00
84"		8		60.00	60.00
96"		9		60.00	60.00
108"		10		60.00	60.00
72"	36"	7	4	60.00	60.00
84"		8		60.00	60.00
96"		9		60.00	60.00
108"		10		60.00	60.00
72"	48"	7	4	60.00	60.00
84"		8		60.00	60.00
96"		9		60.00	60.00
108"		10		60.00	60.00
72"	60"	7	5	58.16	58.16
84"		8		58.16	58.16
96"		9		52.87	52.87
108"		10		53.69	53.69



TYPICAL ELEVATION (XOX) 25/50/25



TYPICAL ELEVATION (XOX) 33/33/33

TYPICAL ANCHORS:

- INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1/4" SMS 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

GENERAL NOTES:

- FOR NUMBER OF ANCHORS REQUIRED FOR EACH UNIT SIZE REFER TO ANCHOR SCHEDULE COLUMN IN THE DESIGN PRESSURE CHART.
- APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR H.R. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.
- XOX CONFIGURATION APPLIES TO 25%-50%-25% PROPORTIONS FOR ALL DIMENSIONS ON CHART.
- XOX CONFIGURATION APPLIES TO 33%-33%-33% PROPORTIONS FOR WIDTH DIMENSIONS UP TO 84"

THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE

GLAZING

MATERIAL :
LAMINATED GLASS USING TWO LIGHTS OF 1/8" HEAT STRENGTHENED GLASS WITH AN 0.090" INTERLAYER BY DUPONT

METHOD:
INTERIOR GLAZED WITH 3/8" GLAZING PENETRATION USING A CLEAR COLORED ADHESIVE BEDDING COMPOUND SCHNEE MOREHEAD 5731 AND DOW CORNING 795, OR SIMILAR AND AN EXTRUDED ALUMINUM SNAP ON GLAZING BEAD.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 07-0810-06
Expiration Date AUG. 19, 2008
By Manuel Perez
Miami/Dade Product Control Division

Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
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Fax: (305)828-5118

FRANCISCO HERNANDEZ P. E.
Structural Engineering
15113 SW 35 TERR.
Miami, Florida 33185
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Fax: (305) 227-8901

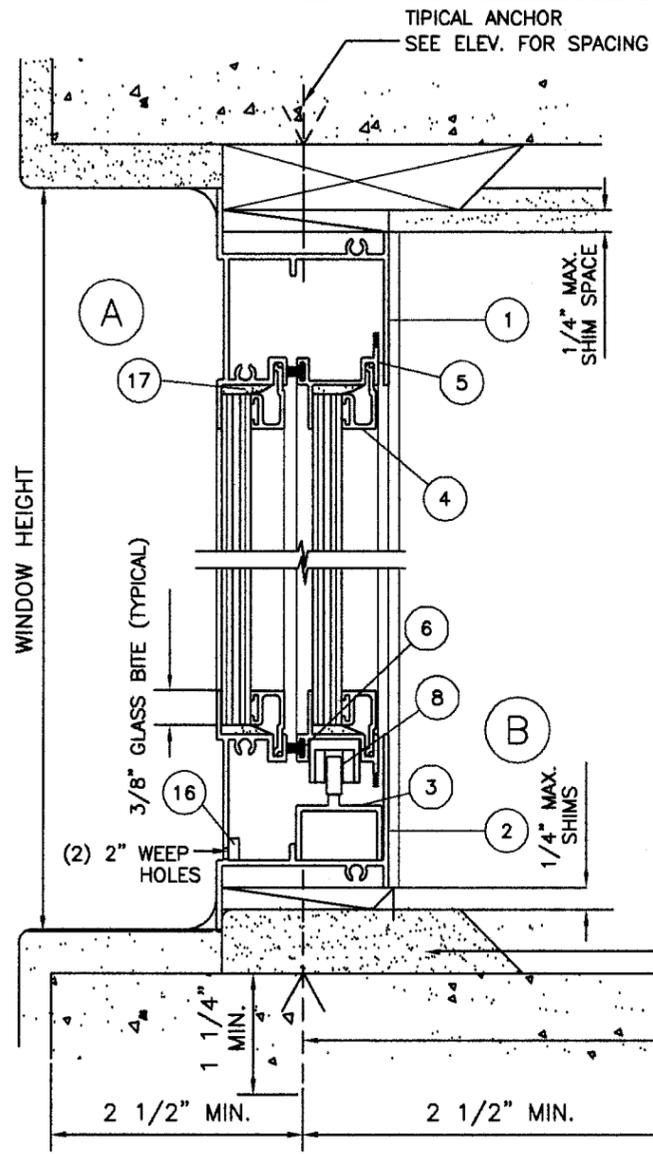
SERIES 1650 ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)

Drawn By: RF
Date: 7-31-07
Scale: 1/2"=1"
Revision: 9-05-07
Revision: _____

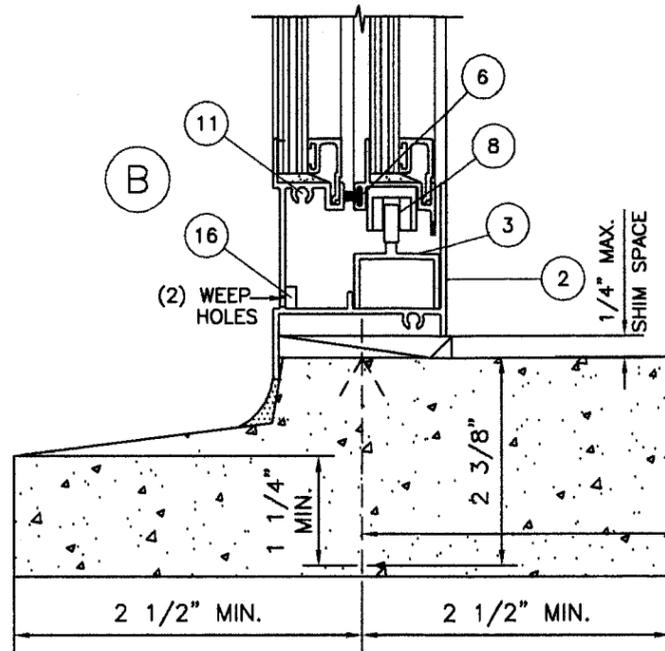
DRAWING NO. HR07-03
SHEET 1 OF 3

IMPACT RESISTANT WINDOWS

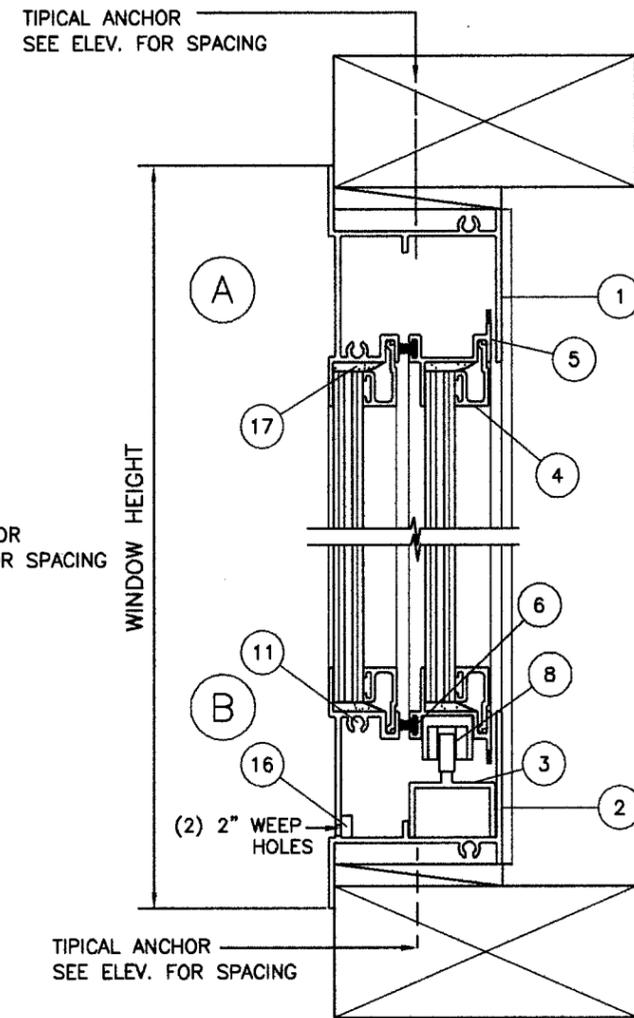
FHS
9-4-07
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



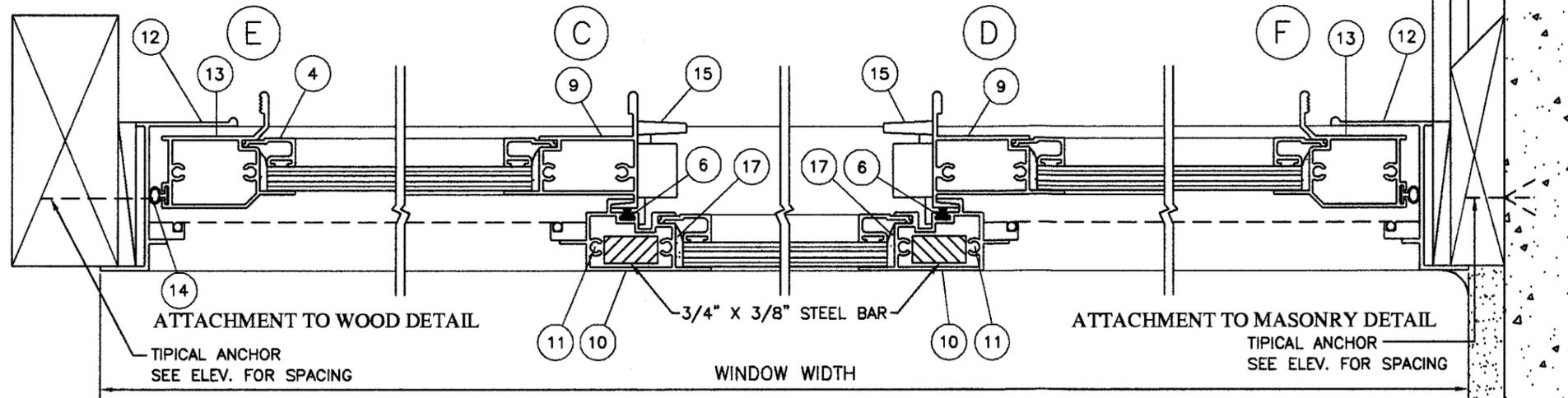
ATTACHMENT TO MASONRY
VERTICAL SECTION



ATTACHMENT TO PRECAST SILL
VERTICAL SECTION



ATTACHMENT TO WOOD
VERTICAL SECTION



HORIZONTAL SECTION (X0X)

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By *Manuel Perez*
Product Control
Division

F.H.H.
9-4-07
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

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SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (X0X)

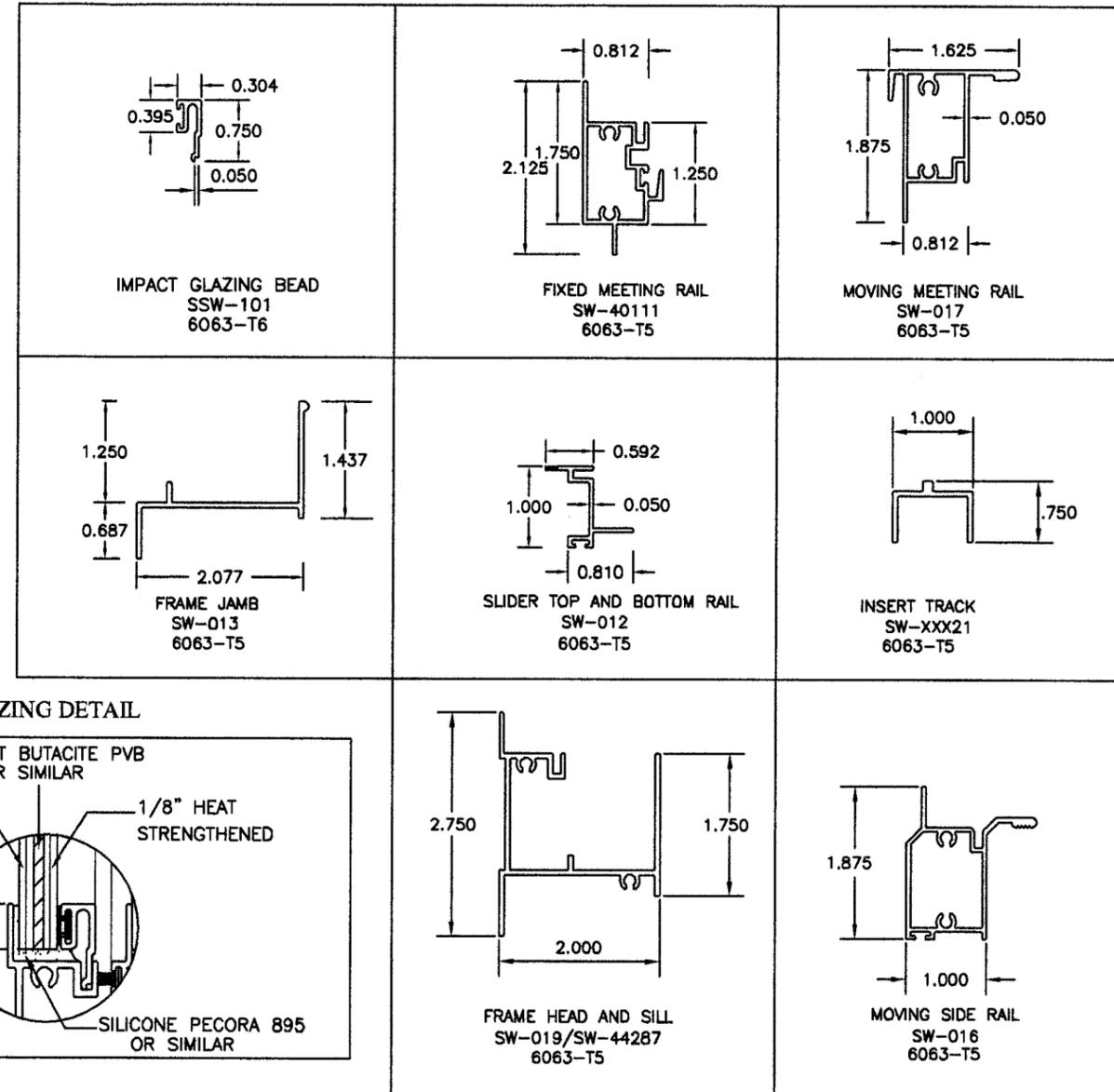
Drawn By: RF
Date: 7-31-07
Scale: 1/2"=1"
Revision: 9-05-07
Revision:

DRAWING NO.
HR07-03

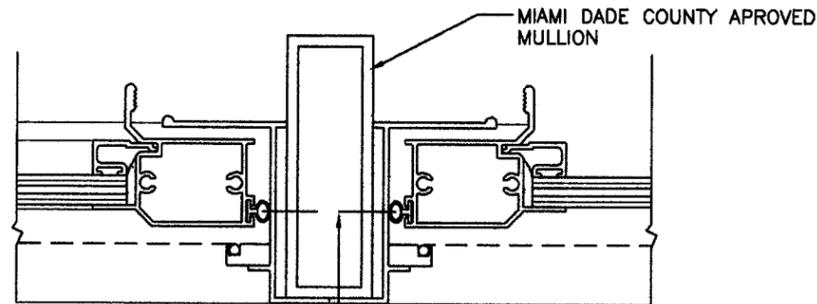
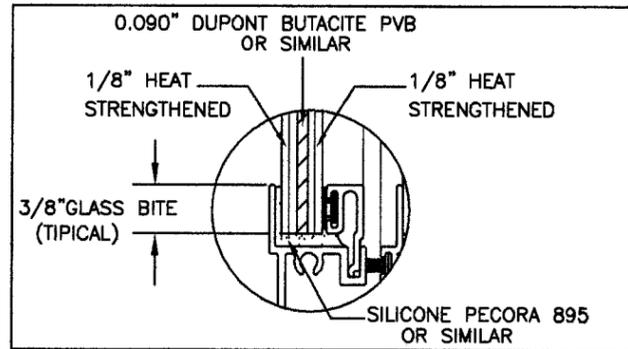
SHEET
2 OF 3

MATERIAL LIST

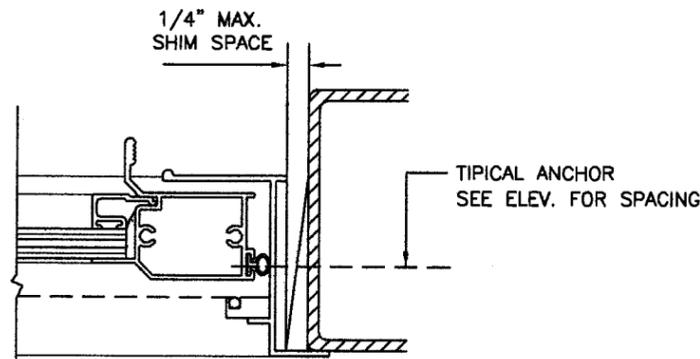
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-019	1	FRAME HEAD	6063-T5
2	SW-019	1	FRAME SILL	6063-T5
3	SWxxx21	1	INSERT TRACK	6063-T5
4	SSW-101	AS RQD	IMPACT GLAZING BEAD	6063-T6
5	SW-012	2/VENT	SLIDER TOP/BOTTOM RAIL	6063-T5
6	SW3019	AS RQD	FIN SEAL PILE	FELT
7	SW1520	AS RQD	GLAZING TAPE	FOAM
8	SW321W	2/VENT	WHEEL	BRASS
9	SW-017	1/VENT	MOVING MEETING RAIL	6063-T5
10	SW4011	2	FIXED MEETING RAIL	6063-T5
11	SW-AS	AS RQD	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS
12	SW-013	2	JAMB	6063-T5
13	SW-016	1/VENT	MOVING SIDE RAIL	6063-T5
14	SW3257	AS RQD	WEATHER STRIP BULB	VINYL
15	SW-667	AS RQD	LATCH	ZINC
16	SW-S10	2/SILL	RETICULATED FILTER	FOAM
17	-	AS RQD	SILICONE	PECORA 895



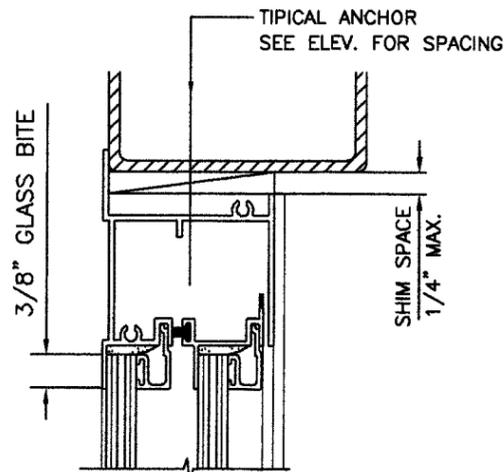
GLAZING DETAIL



ATTACHMENT TO MULLIONS DETAIL



ATTACHMENT TO METAL STRUCTURE DETAIL
(STEEL OR ALUMI. 1/8" MIN. THICK)



ATTACHMENT TO METAL STRUCTURE DETAIL
(STEEL OR ALUMI. 1/8" MIN. THICK)

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HORIZONTAL SLIDING WINDOW (XOX)

Drawn By: RF
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Revision:

DRAWING NO.
HR07-03

SHEET
3 OF 3