



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](http://www.buldingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

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 1650 (XOX) Aluminum Horizontal Sliding Window**

**APPROVAL DOCUMENT:** Drawing No. **HR08-01**, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX)", sheets 1 through 7 of 7, dated 7/29/08, 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: None**

**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 # 07-0514.02** 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 **Fitz A. Harris, P.E.**



NOA No. 08-0820.11  
Expiration Date: August 19, 2013  
Approval Date: September 25, 2008  
Page 1

**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **HR08-01**, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX)" Sheets 1 through 7 of 7, dated 7/29/08 , prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.

**B. TESTS**

1. Test reports on 1) Air Infiltration Test, per TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
3) Water Resistance Test, per TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window with ¼" temp. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5353**, dated September 14, 2007, signed and sealed by Michael Wenzel, P.E.
2. Test reports on 1) Air Infiltration Test, per TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
3) Water Resistance Test, per TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window with 1/4"annealed glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5354**, dated September 14, 2007, signed and sealed by Carlos Rionda, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, dated July 25, 2008, 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).

**E. MATERIAL CERTIFICATIONS**

1. None.



*Fitz A. Harris*

Fitz A. Harris, P.E.

Product Control Examiner

NOA No. 08-0820.11

Expiration Date: August 19, 2013

Approval Date: September 25, 2008

**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, dated July 25, 2008, signed and sealed by Francisco Hernandez, P.E.
2. Letter of "No Financial Interest in the Testing Laboratory" dated 7/25/08 issued by Francisco Hernandez and signed and sealed by Francisco Hernandez, P.E.

**G. OTHER**

1. Notice of Acceptance No. **07-0514.02**, issued to Sunshine Windows Manufacturing, Inc. for their Series "1650" Aluminum Horizontal Sliding Window (XOX) Impact & Non-Impact, approved on 09/20/07 and expiring on 08/19/08.



*Fitz A. Harris*

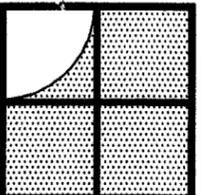
Fitz A. Harris, P.E.

Product Control Examiner

NOA No. 08-0820.11

Expiration Date: August 19, 2013

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

**SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS**

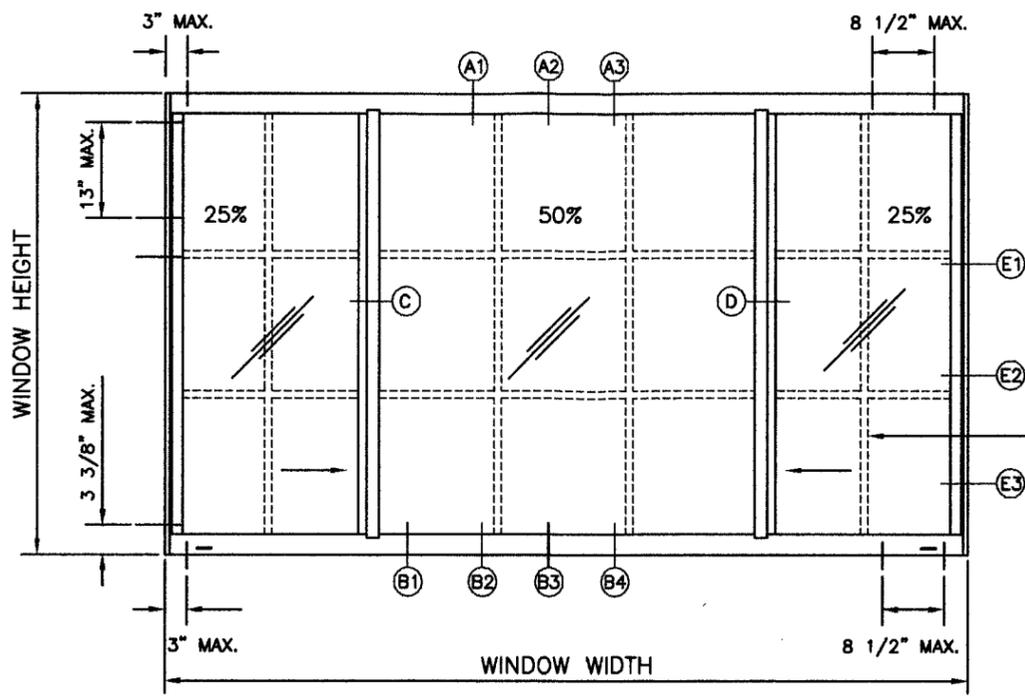
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Revision: \_\_\_\_\_  
Revision: \_\_\_\_\_

DRAWING NO.  
HR08-01  
SHEET  
1 OF 7

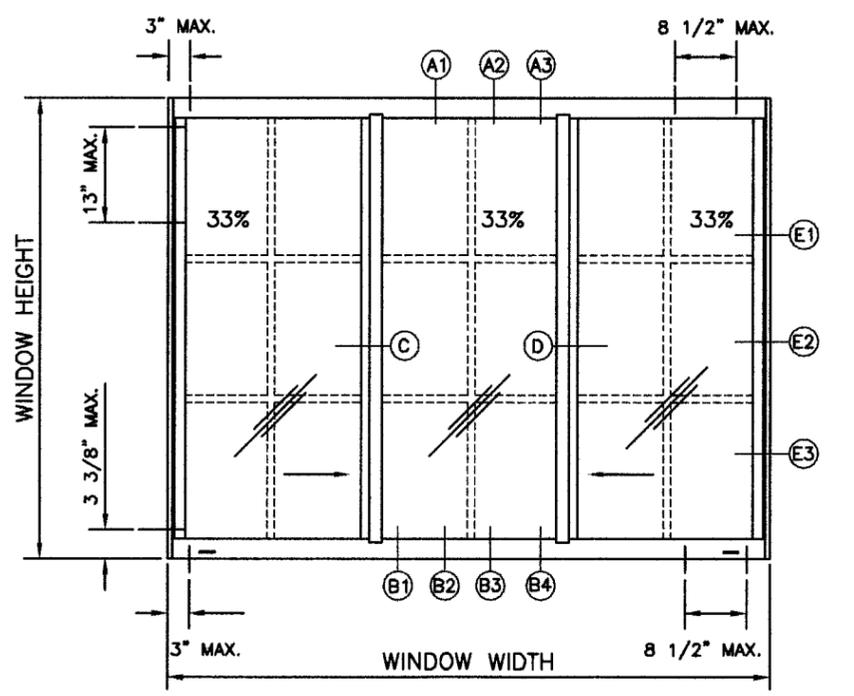
DESIGN PRESSURE CHART - PSF					
SERIES-1650					
ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)					
1/4" ANNEALED GLASS					
WINDOW DIMENSION		ANCHOR SCHEDULE		HURRICANE PROTECTION IS REQUIRED	
WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	3" SILL	
				EXTERIOR (+)	INTERIOR (-)
74"	26"	9	3	69.30	115.20
106 1/4"		13		69.30	108.90
111"		14		69.30	111.60
74"	38 3/8"	9	4	69.30	86.90
106 1/4"		13		69.30	73.30
111"		14		69.30	69.50
74"	50 5/8"	9	5	67.20	67.20
106 1/4"		13		59.00	59.00
111"		14		58.40	58.40
74"	63"	9	6	48.20	48.20
106 1/4"		13		39.60	39.60
111"		14		39.00	39.00
72"	24"	9	3	69.30	122.50
84"		11		69.30	122.50
96"		12		69.30	120.90
108"		13		69.30	114.60
72"	36"	9	4	69.30	94.00
84"		11		69.30	92.00
96"		12		69.30	84.00
108"		13		69.30	75.30
72"	48"	9	5	69.30	74.40
84"		11		69.30	69.80
96"		12		67.10	67.10
108"		13		63.40	63.40
72"	60"	9	6	52.60	52.60
84"		11		48.00	48.00
96"		12		44.90	44.90
108"		13		42.90	42.90

STANDARD SIZES

MODULAR SIZES



TYPICAL ELEVATION (XOX) 25/50/25



TYPICAL ELEVATION (XOX) 33/33/33

FALSE MUNTINS (SURFACE APPLIED)  
MAY BE USED

**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 THROUGH METAL.

**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"
- REFERENCES: TEST REPORTS FTL-5353 AND FTL-5354

**THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE**

**NON-IMPACT RESISTANT WINDOW**

PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No 08-0820-11  
Expiration Date 8-19-13  
By *Dale Harris*  
Miami Dade Product Control  
Division

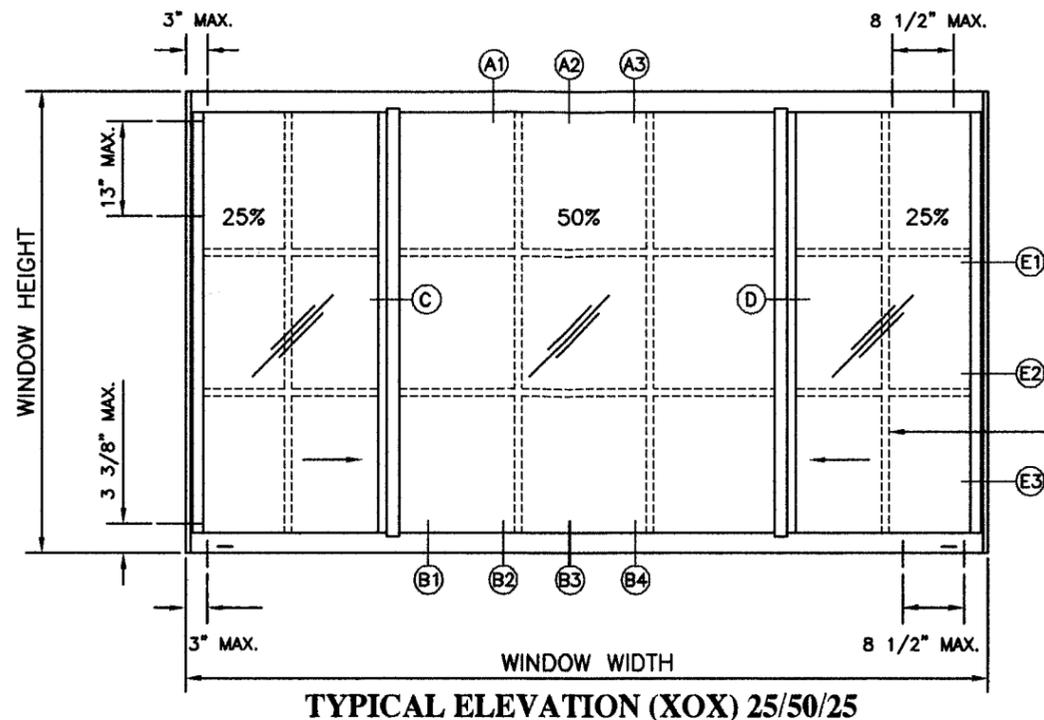
*FH*  
7-30-08  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

**DESIGN PRESSURE CHART - PSF**  
**SERIES-1650**  
**ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)**  
**1/4" TEMPERED GLASS**

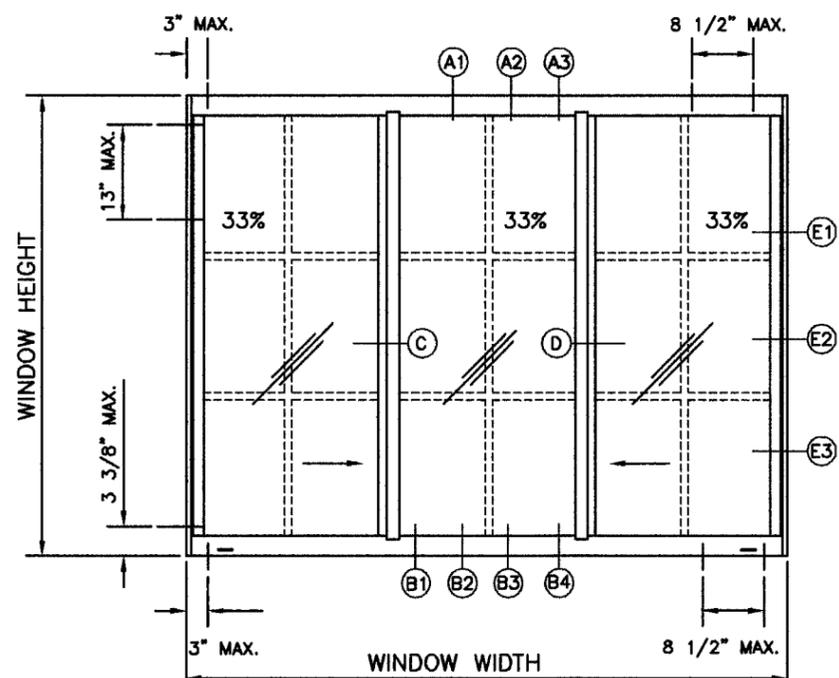
WINDOW DIMENSION		ANCHOR SCHEDULE		HURRICANE PROTECTION IS REQUIRED	
WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	3" SILL	
				EXTERIOR (+)	INTERIOR (-)
74"	26"	9	3	69.30	115.20
106 1/4"		13		69.30	108.90
111"		14		69.30	111.60
74"	38 3/8"	9	4	69.30	86.90
106 1/4"		13		69.30	79.00
111"		14		69.30	80.70
74"	50 5/8"	9	5	69.30	74.10
106 1/4"		13		64.40	64.40
111"		14		65.50	65.50
74"	63"	9	6	61.40	61.40
106 1/4"		13		56.00	56.00
111"		14		56.80	56.80
72"	24"	9	3	69.30	122.50
84"		11		69.30	122.50
96"		12		69.30	120.90
108"	36"	13	4	69.30	114.60
72"		9		69.30	94.00
84"		11		69.30	94.00
96"	48"	12	5	69.30	86.80
108"		13		69.30	81.50
72"		9		69.30	79.30
84"	60"	11	6	69.30	77.60
96"		12		69.30	70.50
108"		13		65.50	65.50
72"	60"	9	6	67.70	67.70
84"		11		67.70	67.70
96"		12		61.50	61.50
108"	13	56.40	56.40	56.40	56.40

STANDARD SIZES

MODULAR SIZES



TYPICAL ELEVATION (XOX) 25/50/25



TYPICAL ELEVATION (XOX) 33/33/33

FALSE MUNTINS (SURFACE APPLIED) MAY BE USED

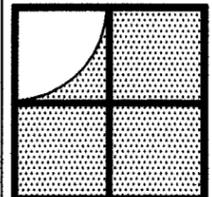
**TYPICAL ANCHORS:**

- 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 THROUGH METAL.

**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"
- REFERENCES: TEST REPORTS FTL-5353 AND FTL-5354

**THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE**



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

**SERIES 1650 ALUMINUM HORIZONTAL SLIDING WINDOW (XOX) NON-IMPACT RESISTANT GLASS**

Drawn By: RF  
 Date: 07-29-08  
 Scale: 1/2"=1'  
 Revision: \_\_\_\_\_  
 Revision: \_\_\_\_\_

DRAWING NO. HR08-01

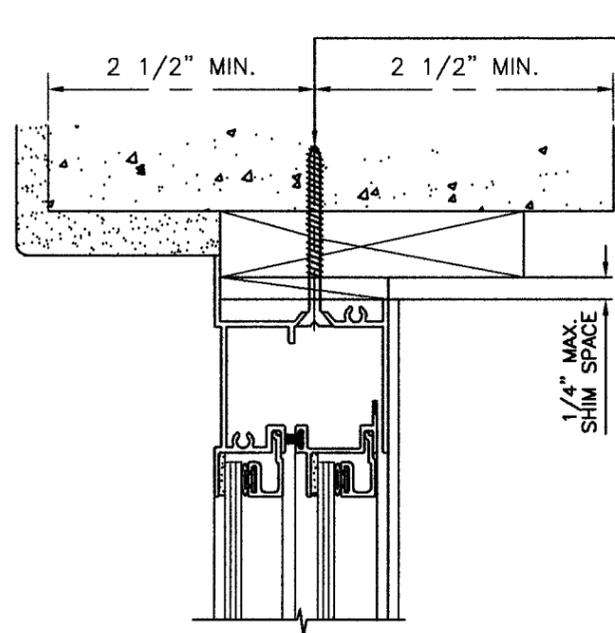
SHEET 2 OF 7

PRODUCT REVIEWED as complying with the Florida Building Code  
 Acceptance No 08-0820-11  
 Expiration Date 8-19-13

By *Francisco Hernandez*  
 Miami Dade Product Control Division

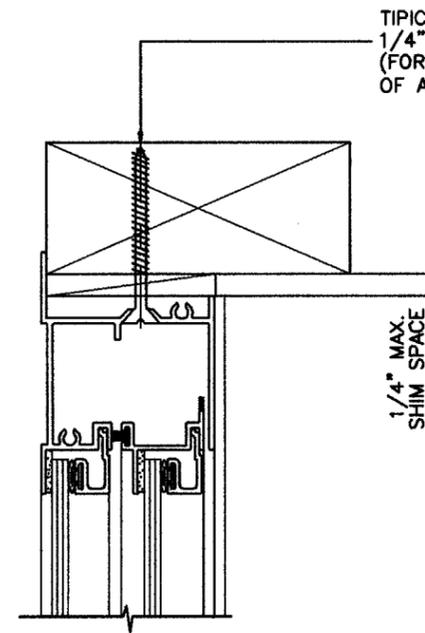
*Francisco Hernandez*  
 7-30-08  
 FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

**NON-IMPACT RESISTANT WINDOW**



DETAIL A1  
ATTACHMENT TO MASONRY

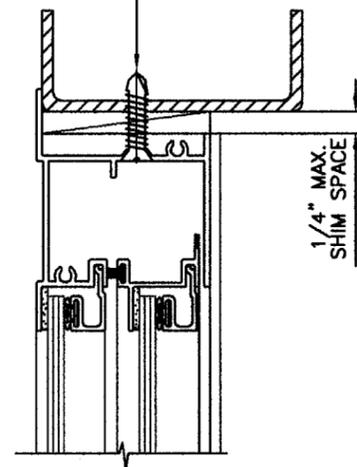
TYPICAL ANCHORS  
1/4" TAPCONS 1 1/4" MIN. EMBEDMENT  
INTO MASONRY THROUGH 1" BY WOOD BUCK  
(FOR MAX. ANCHOR SPACING AND NUMBER  
OF ANCHORS REFER TO SHEET 1 OF 7)



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 7)

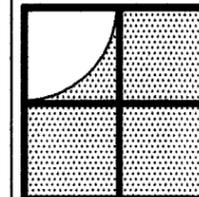
TYPICAL ANCHORS  
1/4" SMS THROUGH METAL.  
(FOR MAX. ANCHOR SPACING AND NUMBER  
OF ANCHORS REFER TO SHEET 1 OF 7)



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

TYPICAL HEAD SECTIONS

**NON-IMPACT RESISTANT WINDOW**



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

SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS

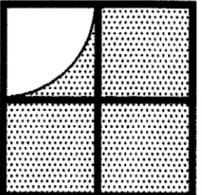
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Date: 07-29-08  
Scale: 1/2"=1'  
Revision:  
Revision:

DRAWING NO.  
HR08-01

SHEET  
3 OF 7

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 08-0820-11  
Expiration Date 8-19-13  
By *Francisco Hernandez*  
Miami Code Product Control  
Division

7-30-08  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



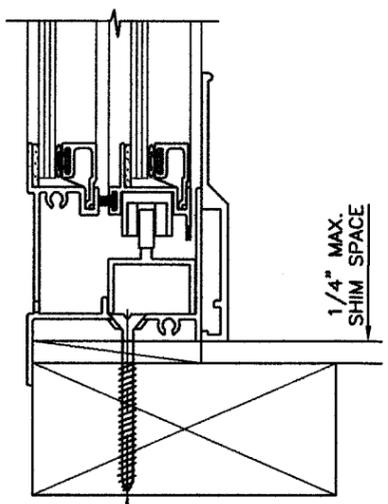
Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax: (305)828-5118

SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS

Drawn By: RF  
Date: 07-29-08  
Scale: 1/2"=1'  
Revision: \_\_\_\_\_  
Revision: \_\_\_\_\_

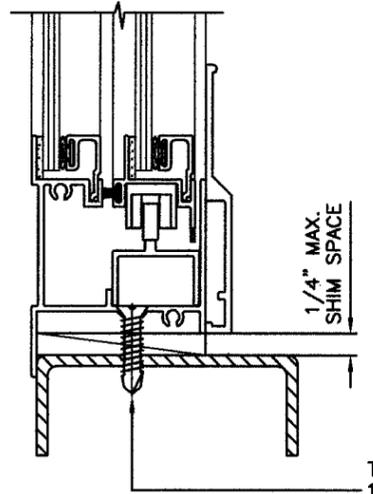
DRAWING NO.  
HR08-01

SHEET  
4 OF 7



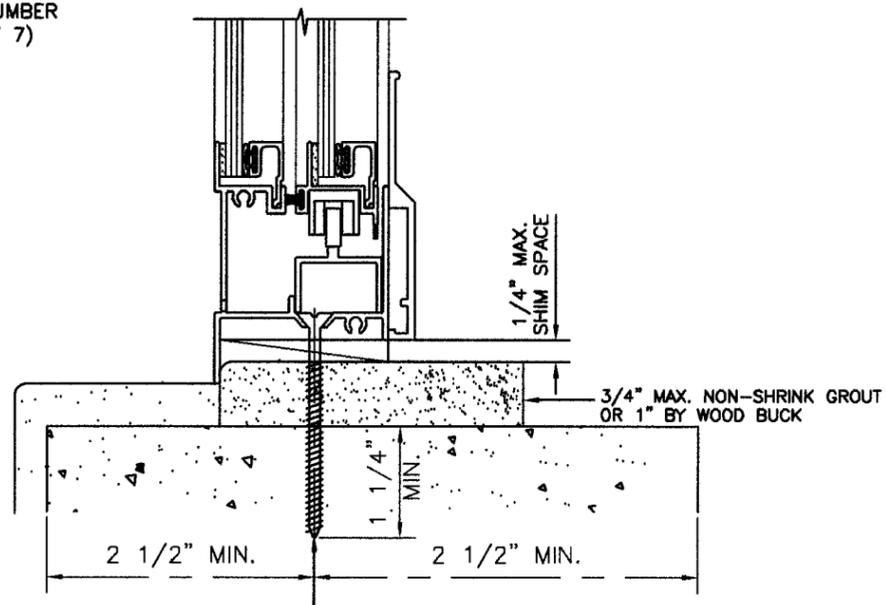
TYPICAL ANCHORS  
1/4" SMS 1 1/2" MIN. PENETRATION INTO WOOD.  
(FOR MAX. ANCHOR SPACING AND NUMBER  
OF ANCHORS REFER TO SHEET 1 OF 7)

DETAIL B2  
ATTACHMENT TO WOOD



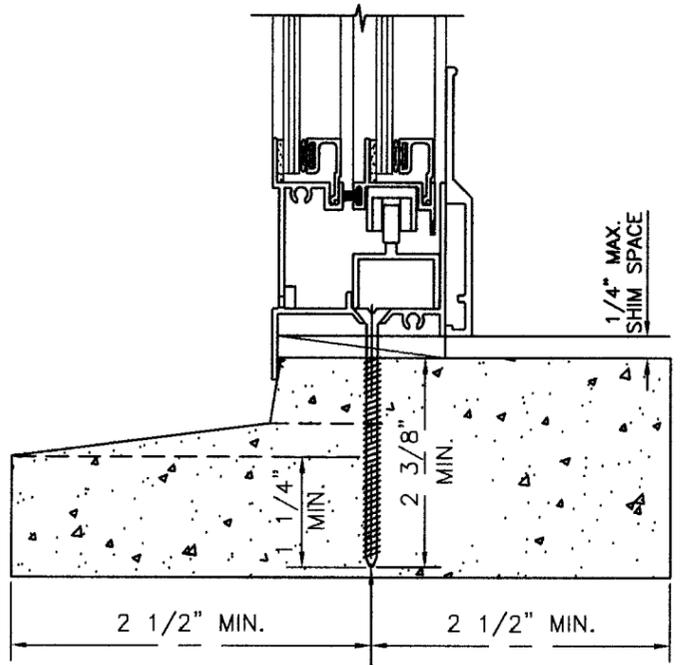
TYPICAL ANCHORS  
1/4" SMS THROUGH METAL.  
(FOR MAX. ANCHOR SPACING AND NUMBER  
OF ANCHORS REFER TO SHEET 1 OF 7)

DETAIL B3  
ATTACHMENT TO METAL STRUCTURE  
(STEEL OR ALUM. 1/8" MIN. THICKNESS)



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 7)

DETAIL B4  
ATTACHMENT TO MASONRY



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 7)

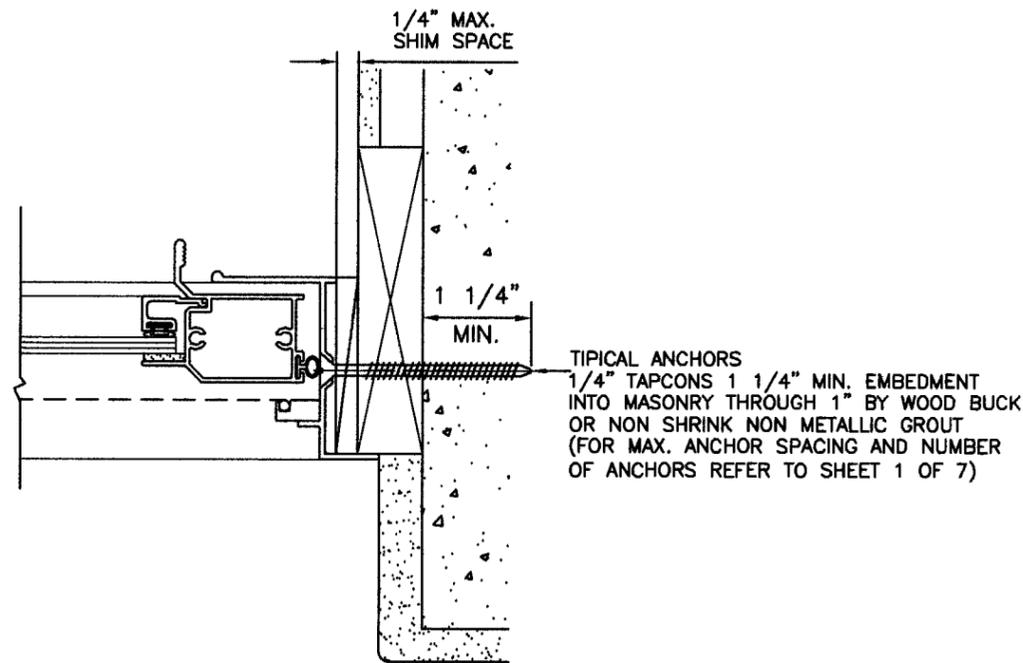
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ATTACHMENT TO PRE-CAST SILL

TYPICAL SILL SECTIONS

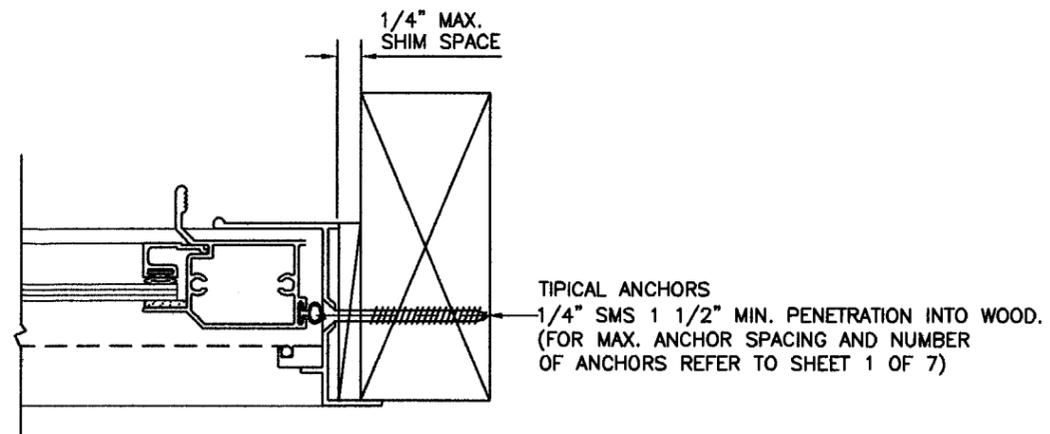
NON-IMPACT RESISTANT WINDOW

PRODUCT REVISED  
as complying with the Florida  
Building Code  
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By *Francisco Hernandez*  
Miami Dade Product Control  
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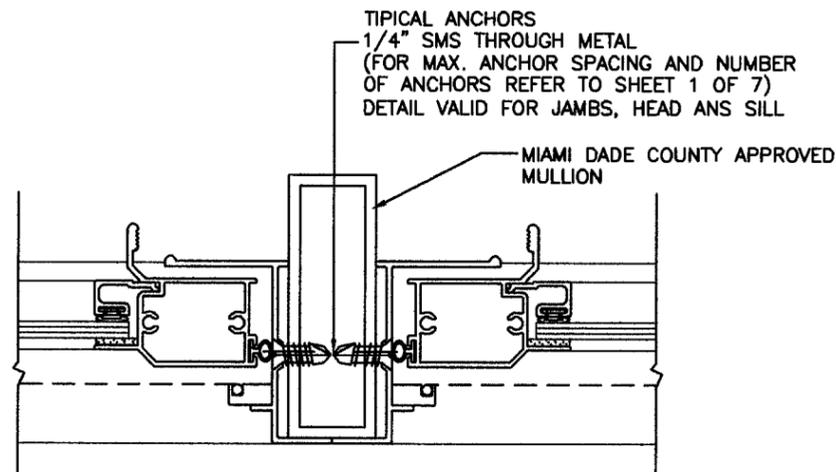
*Francisco Hernandez*  
7-30-08  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



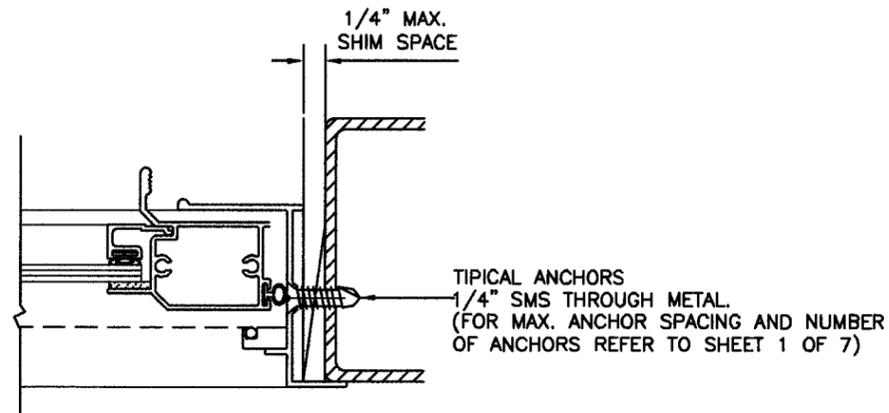
**DETAIL E1**  
**ATTACHMENT TO MASONRY**



**DETAIL E2**  
**ATTACHMENT TO WOOD**



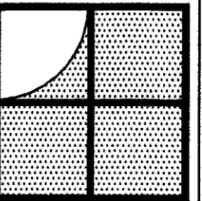
**ATTACHMENT TO MULLIONS DETAIL**



**DETAIL E3**  
**ATTACHMENT TO METAL STRUCTURE**  
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

**TYPICAL JAMB SECTIONS**

**NON-IMPACT RESISTANT WINDOW**



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

**SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS**

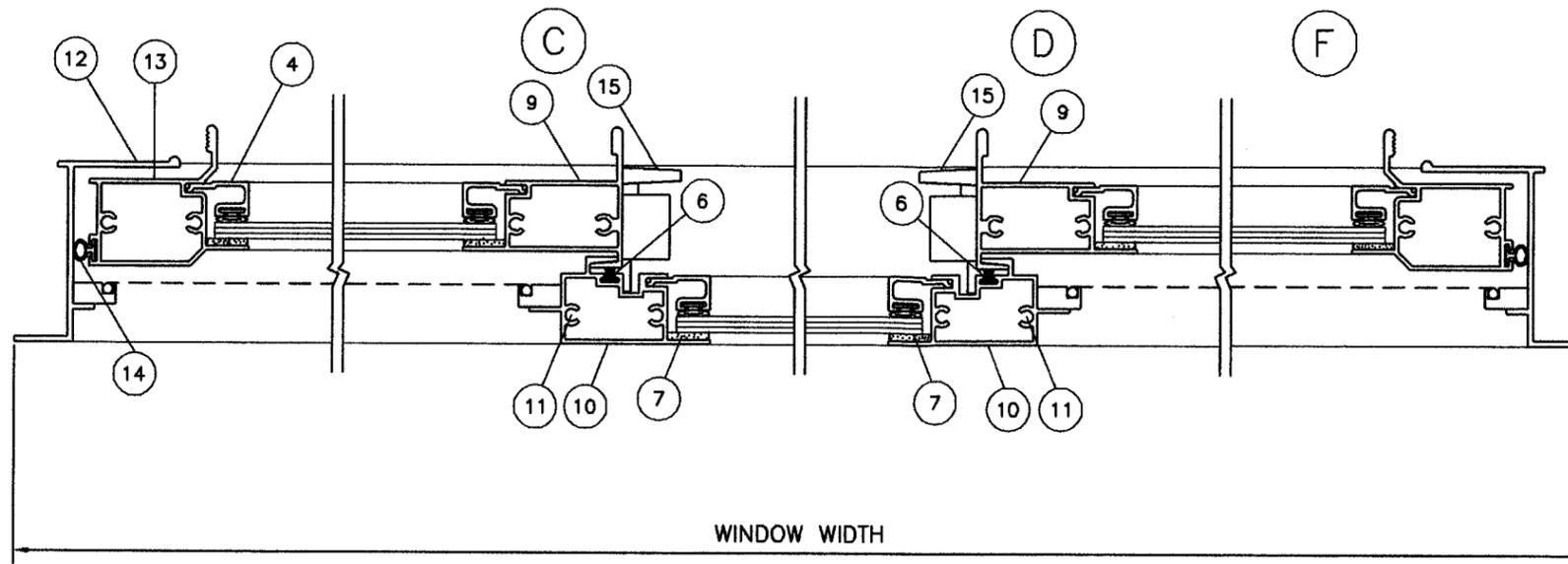
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Date: 07-29-08  
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Revision: \_\_\_\_\_  
Revision: \_\_\_\_\_

DRAWING NO.  
HR08-01

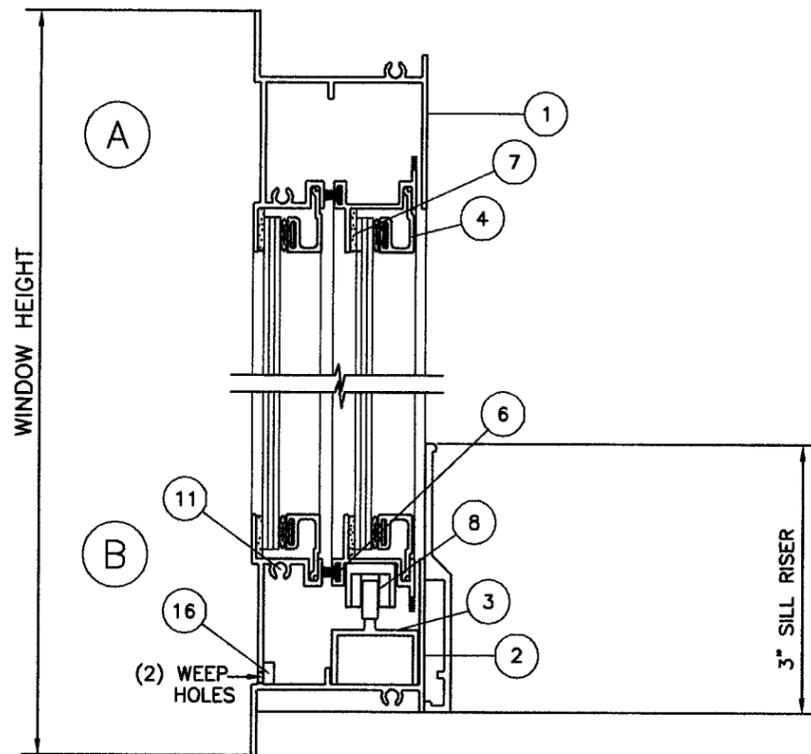
SHEET  
5 OF 7

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 08-0820-11  
Expiration Date 8-19-13  
By *Eric Harris*  
Miami Dade Product Control  
Division

*Hernandez*  
7-30-08  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



HORIZONTAL SECTION



VERTICAL SECTION WITH SILL RISER

NON-IMPACT RESISTANT WINDOW

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SERIES 1650 ALUMINUM  
 HORIZONTAL SLIDING WINDOW (XOX)  
 NON-IMPACT RESISTANT GLASS

Drawn By: RF  
 Date: 07-29-08  
 Scale: 1/2"=1'  
 Revision: \_\_\_\_\_  
 Revision: \_\_\_\_\_

DRAWING NO.  
 HR08-01  
 SHEET  
 6 OF 7

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 08-0820-11  
 Expiration Date 8-19-13

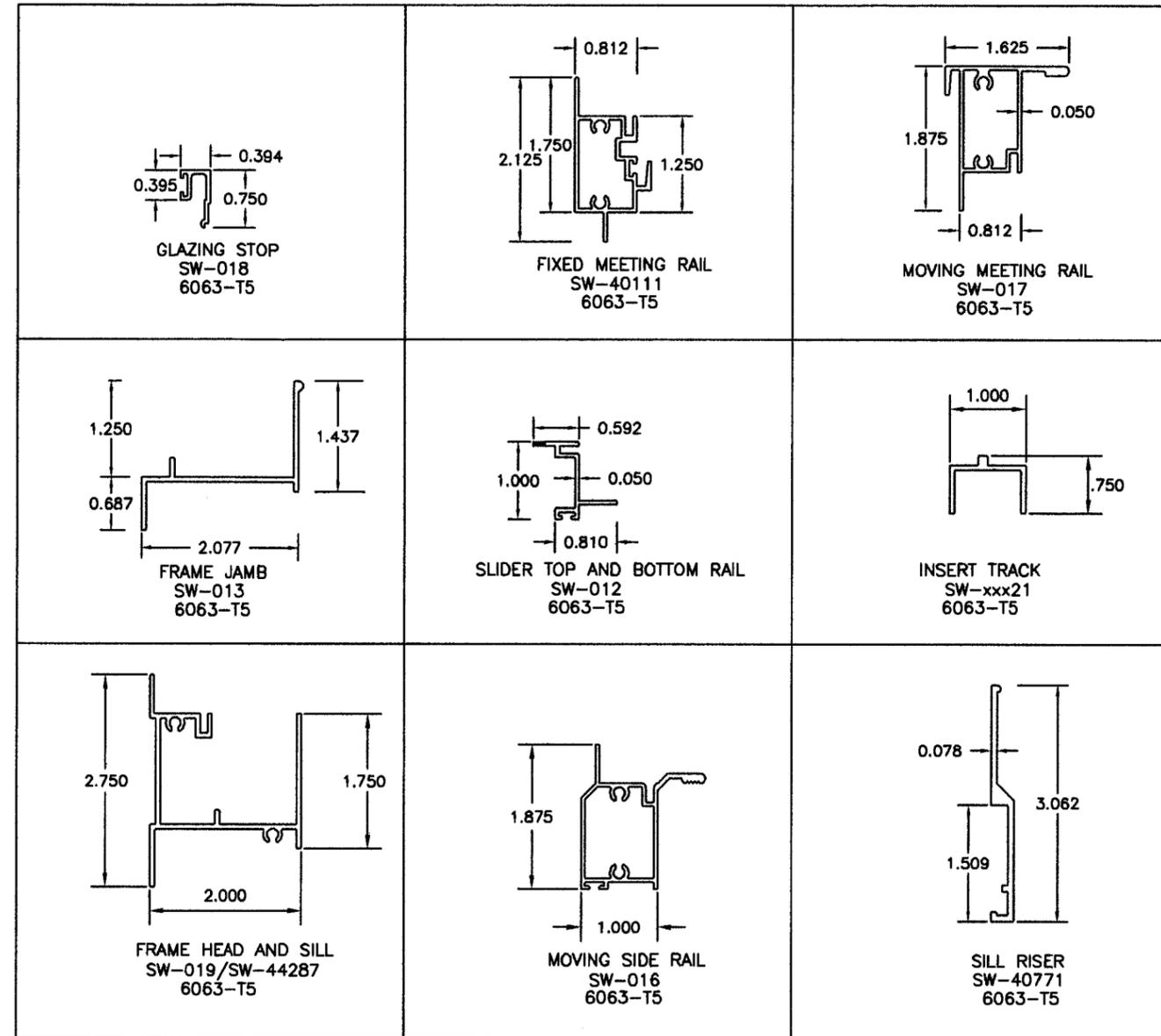
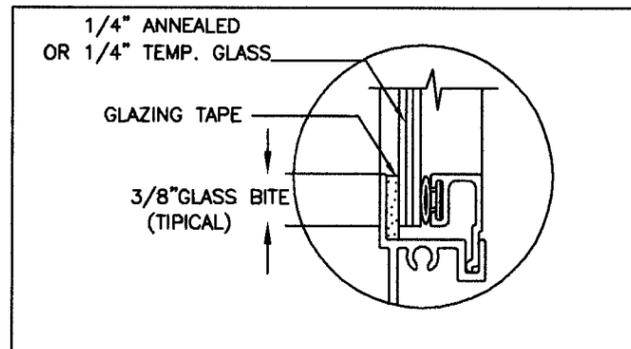
By *Jib Harris*  
 Miami Dade Product Control  
 Division

*FHS*  
 7-30-08  
 FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

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	SW-018	AS RQD	GLAZING BEAD	6063-T5
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	SW40111	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	SW40771	1	SILL RISER	6063-T5

GLAZING DETAIL



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

SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS

NON-IMPACT RESISTANT WINDOW

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 08-0820-11  
Expiration Date 8-19-13

By *Francisco Hernandez*  
Miami Dade Product Control  
Division

*FH*  
7-30-08

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

Drawn By: RF  
Date: 07-29-08  
Scale: 1/2"=1'  
Revision: \_\_\_\_\_  
Revision: \_\_\_\_\_

DRAWING NO.  
HR08-01

SHEET  
7 OF 7