



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/pera](http://www.miamidade.gov/pera)

Sunshine Windows Manufacturing, Inc.  
1745 W. 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 and accepted by Miami-Dade County PERA - Product Control Section 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 Section (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. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 (XO)" Aluminum Horizontal Sliding Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. HS08-01, titled "Series 1650 Aluminum Horizontal Sliding Window (XO) Impact Resistant Glass", sheets 1 through 7 of 7, dated 03/14/08, with revision #1 dated 03/05/12, 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 Section.

**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, model/series, 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 # 09-1217.04 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.**



*MP*  
5/10/12

NOA No. 12-0320.06  
Expiration Date: April 10, 2018  
Approval Date: May 17, 2012  
Page 1

**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **HS08-01**, titled "Series 1650 Aluminum Horizontal Sliding Window (XO) Impact Resistant Glass", sheets 1 through 7 of 7, dated 03/14/08, with revision #1 dated 03/05/12, 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 an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5331**, dated 09/18/07, signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under previous NOA No. 08-0107.08)*
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 an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5015**, dated 07/27/07, signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under previous NOA No. 08-0107.08)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Sunshine Windows Manufacturing, Inc., dated 12/15/07, signed and sealed by Francisco Hernandez, P.E.  
*(Submitted under previous NOA#09-1217.04)*
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0320.06

Expiration Date: April 10, 2018  
Approval Date: May 17, 2012

**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.

**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated March 12, 2012, signed and sealed by Francisco Hernandez, P.E.

**G. OTHER**

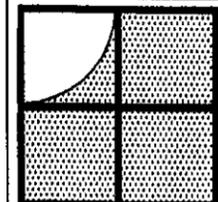
1. Notice of Acceptance No. **09-1217.04**, issued to Sunshine Windows Manufacturing, Inc. for their Series 1650 Aluminum Horizontal Sliding Window – L.M.I., approved on 02/03/10 and expiring on 04/10/13.

  
Manuel Perez, P.E.

Product Control Examiner  
NOA No. 12-0320.06

Expiration Date: April 10, 2018

Approval Date: May 17, 2012



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 (XO)  
IMPACT RESISTANT GLASS**

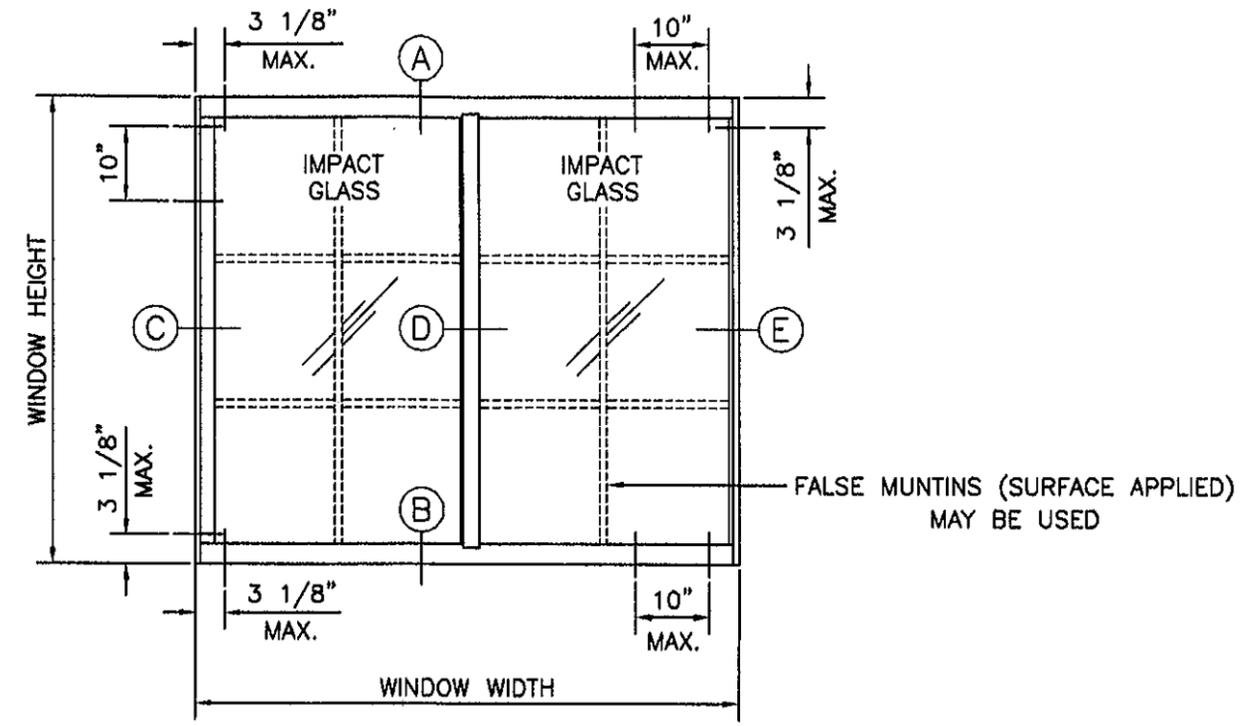
REVISION	DATE	DESCRIPTION
1	03-05-12	UPDATED FOR 2010 FBC

DRAWING No.  
**HS08-01**  
DATE: 03-14-08  
SCALE: 1/2"=1"  
SHEET 1 OF 7

**DESIGN PRESSURES CHART - PSF**

**HEAT STRENGTHENED LAMINATED IMPACT RESISTANT GLASS**

STANDARD SIZES	WINDOW DIMENSION		ANCHOR SCHEDULE		HURRICANE PROTECTION IS NOT REQUIRED				
	WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	1 3/4" SILL		3" SILL		
					EXT.	INT.	EXT.	INT.	
STANDARD SIZES	26 1/2"	26"	4	3	53.33	120.00	80.00	120.00	
	37"		5		53.33	120.00	80.00	120.00	
	53 1/8"		6		53.33	119.30	80.00	119.3	
	74"		8		53.33	90.00	80.00	90.00	
	26 1/2"	38 3/8"	4	5	53.33	120.0	80.00	120.00	
	37"		5		53.33	120.0	80.00	120.00	
	53 1/8"		6		53.33	95.50	80.00	95.50	
	74"		8		53.33	78.90	78.90	78.90	
	37"	50 5/8"	5	6	53.33	104.70	80.00	104.70	
	53 1/8"		6		53.33	88.40	80.00	88.40	
	74"		8		53.33	67.30	67.30	67.30	
	37"		5		53.33	88.20	80.00	88.20	
53 1/8"	63"	6	7	53.33	75.00	75.00	75.00		
74"		8		53.33	62.00	62.00	62.00		
24"		24"		3	3	53.33	120.0	80.00	120.0
36"				4		53.33	120.0	80.00	120.0
48"	6		53.33	120.0		80.00	120.0		
60"	7		53.33	120.00		80.00	120.0		
72"	8		53.33	90.00		80.00	90.00		
MODULAR SIZES	24"	36"	3	4	53.33	120.00	80.00	120.0	
	36"		4		53.33	120.00	80.00	120.0	
	48"		6		53.33	120.00	80.00	120.0	
	60"		7		53.33	99.90	80.00	99.90	
	72"		8		53.33	88.60	80.00	88.60	
	36"	48"	4	6	53.33	100.40	80.00	100.40	
	48"		6		53.33	93.90	80.00	93.90	
	60"		7		53.33	87.00	80.00	87.00	
	72"		8		53.33	74.30	74.30	74.30	
	36"	60"	4	7	53.33	90.00	80.00	90.00	
	48"		6		53.33	87.00	80.0	87.00	
	60"		7		53.33	83.40	80.0	83.40	
72"	8		53.33		67.80	67.80	67.80		



TYPICAL ELEVATION (XO)

**GENERAL NOTES:**

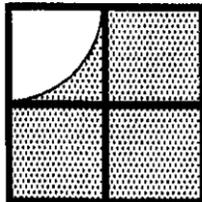
- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- CONFIGURATIONS OX AND XO.
- 3.- SHUTTERS ARE NOT REQUIRED.
- 4.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 5.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRAACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 6.- CONCRETE STRENGTH f'c=3,200 psi MIN., CMU PER ASTM C90, FILLED CMU fm=2,000 psi MIN.
- 7.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 8.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 9.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE Fy= 36 KSI MIN.
- 10.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 11.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

**GLASS:**

0.340" OVERALL LAMINATED GLASS USING TWO LITES OF 0.125" HEAT STRENGTHENED GLASS WITH A 0.090" INTERLAYER FILM DUPONT BUTACITE PVB, BETWEEN THE TWO LITES OF GLASS. LAMINATED BY TECNOGLASS.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0320.06  
Expiration Date April 10, 2018  
By *Mmanuel P. Cruz*  
Miami Dade Product Control

*[Signature]*  
3-12-12  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



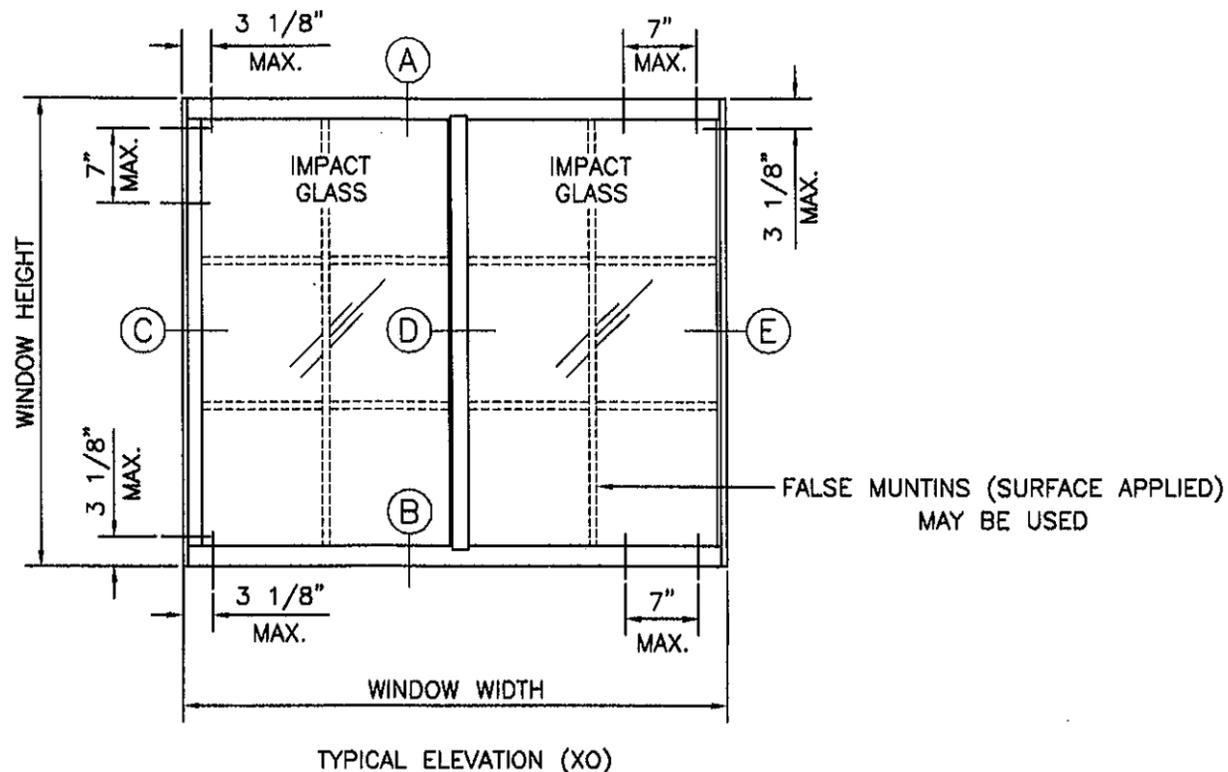
Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax: (305)828-5118

**SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XO)  
IMPACT RESISTANT GLASS**

No	DATE	REVISION	UPDATED FOR 2010 FBC
1	03-05-12		

DRAWING No.  
**HS08-01**  
DATE: 03-14-08  
SCALE: 1/2"=1"  
SHEET 2 OF 7

DESIGN PRESSURES CHART - PSF								
HEAT STRENGTHENED LAMINATED IMPACT RESISTANT GLASS								
WINDOW DIMENSION		ANCHOR SCHEDULE		HURRICANE PROTECTION IS NOT REQUIRED				
WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	1 3/4" SILL		3" SILL		
				EXT.	INT.	EXT.	INT.	
STANDARD	74"	38 3/8"	11	6	53.33	90.00	80.00	90.00
	74"	50 5/8"	11	8	53.33	90.00	80.00	90.00
	37"	63"	6	9	53.33	90.00	80.00	90.00
	53 1/8"		8		53.33	90.00	80.00	90.00
	74"		11		53.33	85.20	80.00	85.20
MODULAR	72"	48"	11	7	53.33	90.00	80.00	90.00
	48"	60"	7	9	53.33	90.00	80.00	90.00
	60"		9		53.33	90.00	80.00	90.00
	72"		11		53.33	90.00	80.00	90.00



**GENERAL NOTES:**

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- CONFIGURATIONS OX AND XO.
- 3.- SHUTTERS ARE NOT REQUIRED.
- 4.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 5.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 6.- CONCRETE STRENGTH f'c=3,200 psi MIN., CMU PER ASTM C90, FILLED CMU fm=2,000 psi MIN.
- 7.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 8.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 9.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE Fy= 36 KSI MIN.
- 10.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 11.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

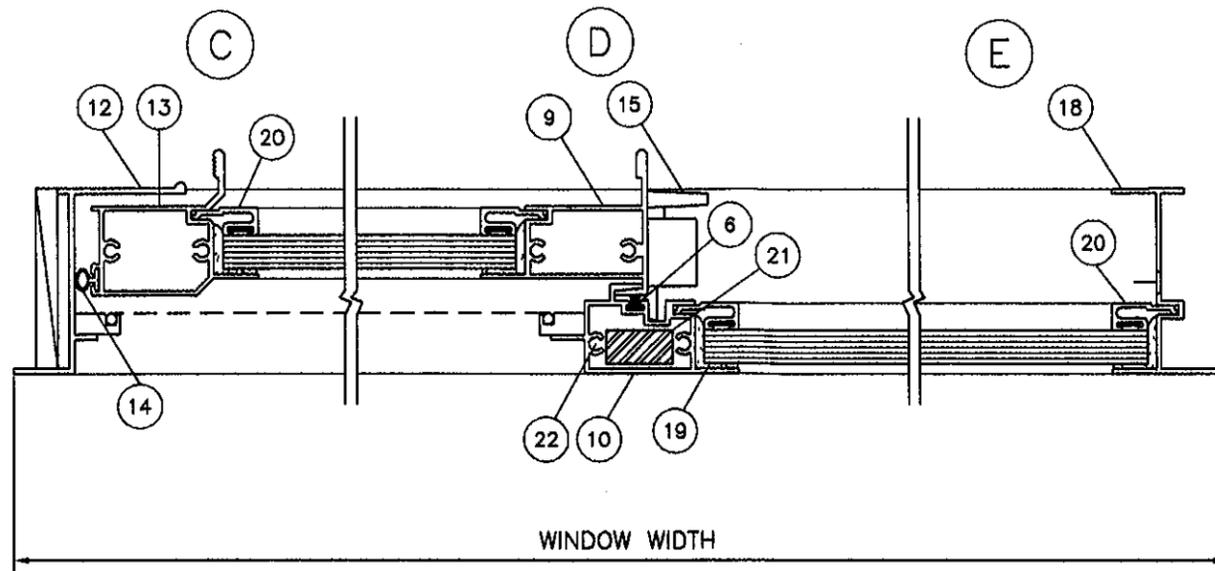
**GLASS:**

0.340" OVERALL LAMINATED GLASS USING TWO LITES OF 0.125" HEAT STRENGTHENED GLASS WITH A 0.090" INTERLAYER FILM DUPONT BUTACITE PVB, BETWEEN THE TWO LITES OF GLASS. LAMINATED BY TECNOGLASS,

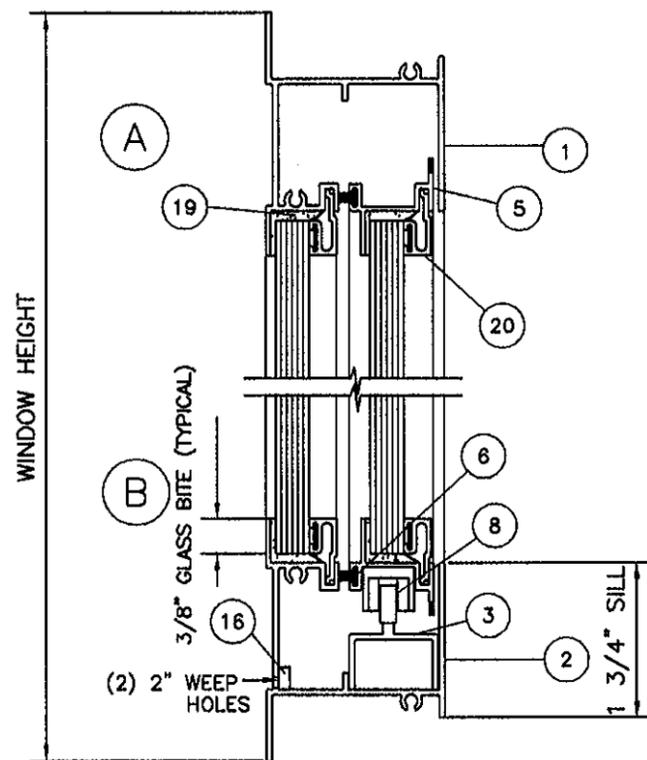
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0320.06  
Expiration Date APRIL 10, 2018  
By *Manuel Hernandez*  
Miami/Dade Product Control

*Manuel Hernandez*  
3-12-12

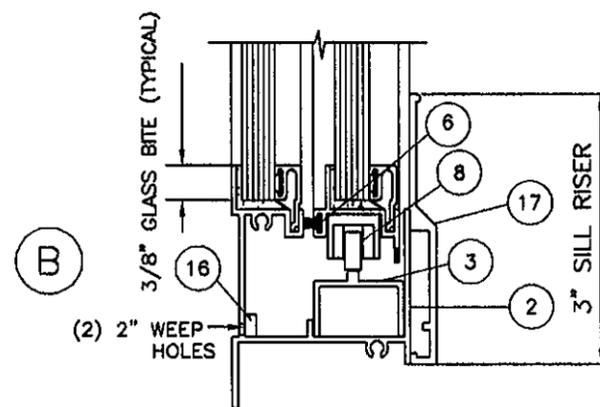
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



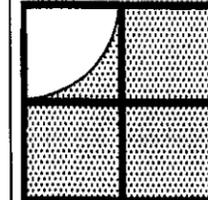
HORIZONTAL SECTION



VERTICAL SECTION



VERTICAL SECTION WITH SILL RISER



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 (XO)  
IMPACT RESISTANT GLASS

NO	DATE	REVISION
1	03-05-12	NO CHANGE THIS SHEET

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0320-06  
Expiration Date APRIL 10, 2018  
By *Manuel Perez*  
Miami/Dade Product Control

*Francisco Hernandez*  
3-12-12

FRANCISCO HERNANDEZ  
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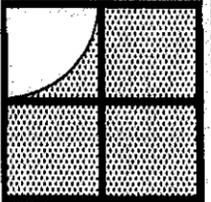
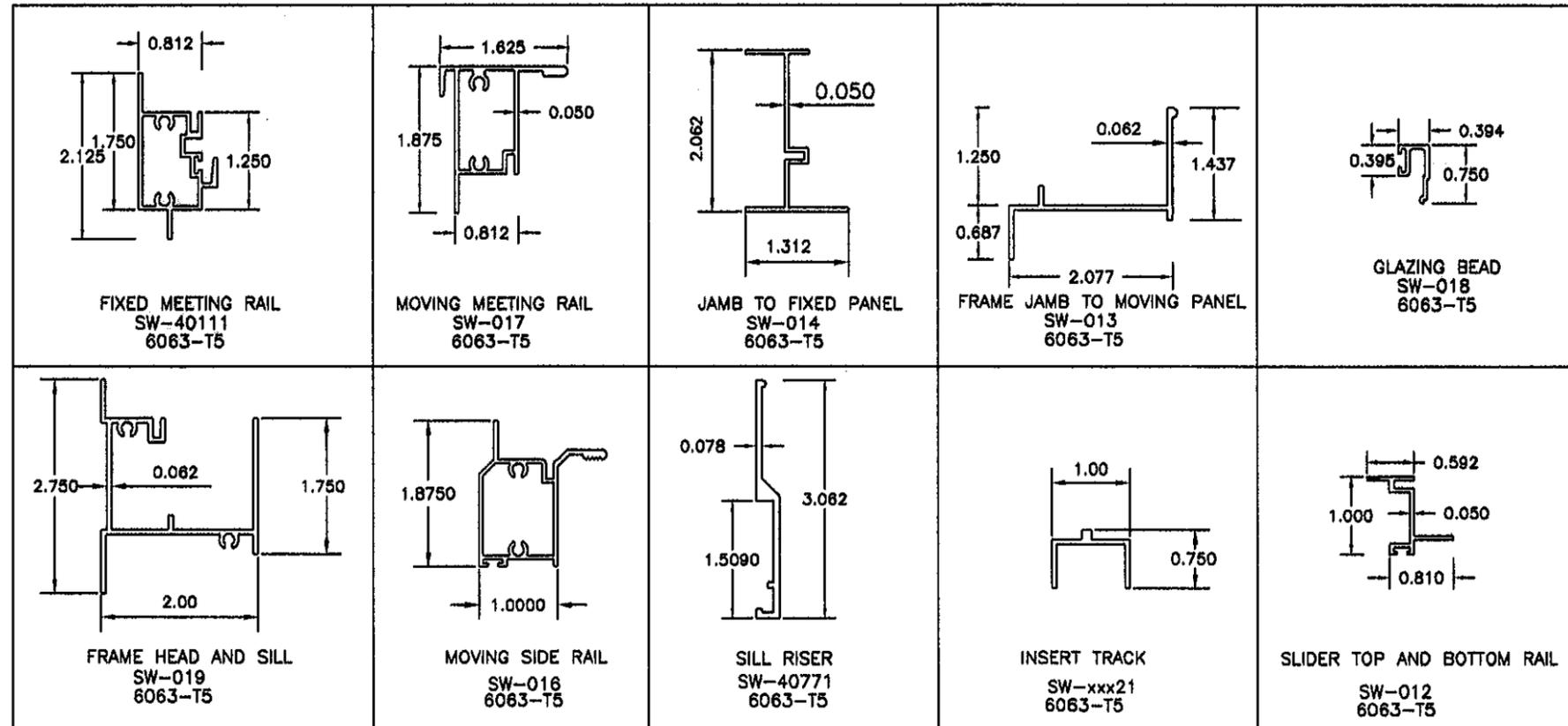
DRAWING No.  
HS08-01  
DATE: 03-14-08  
SCALE: 1/2"=1"  
SHEET 3 OF 7

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
5	SW-012	2	SLIDER TOP/BOTTOM RAIL	6063-T5
6	SW3019	AS RQD	FIN SEAL PILE	FELT
8	SW321W	2	WHEEL	BRASS
9	SW-017	1	MOVING MEETING RAIL	6063-T5
10	SW40111	1	FIXED MEETING RAIL	6063-T5
11	SW-AS	AS RQD	ASSEMBLY SCREWS	# 8 X 1" SMS.
12	SW-013	1	JAMB TO MOVING PANEL	6063-T5

MATERIAL LIST

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
13	SW-016	1	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
18	SW-014	1	JAMB TO FIXED PANEL	6063-T5
19	-	AS RQD	SILICONE	PEC.-895 OR SIMILAR
20	SW-101	AS RQD	IMPACT GLAZING BEAD	6063-T6
21	SW-STL	1	3/8" X 3/4" FLAT BAR	STEEL
22	SW-AS	4	ASSEMBLY SCREWS	# 8 X 2 1/2" SMS.



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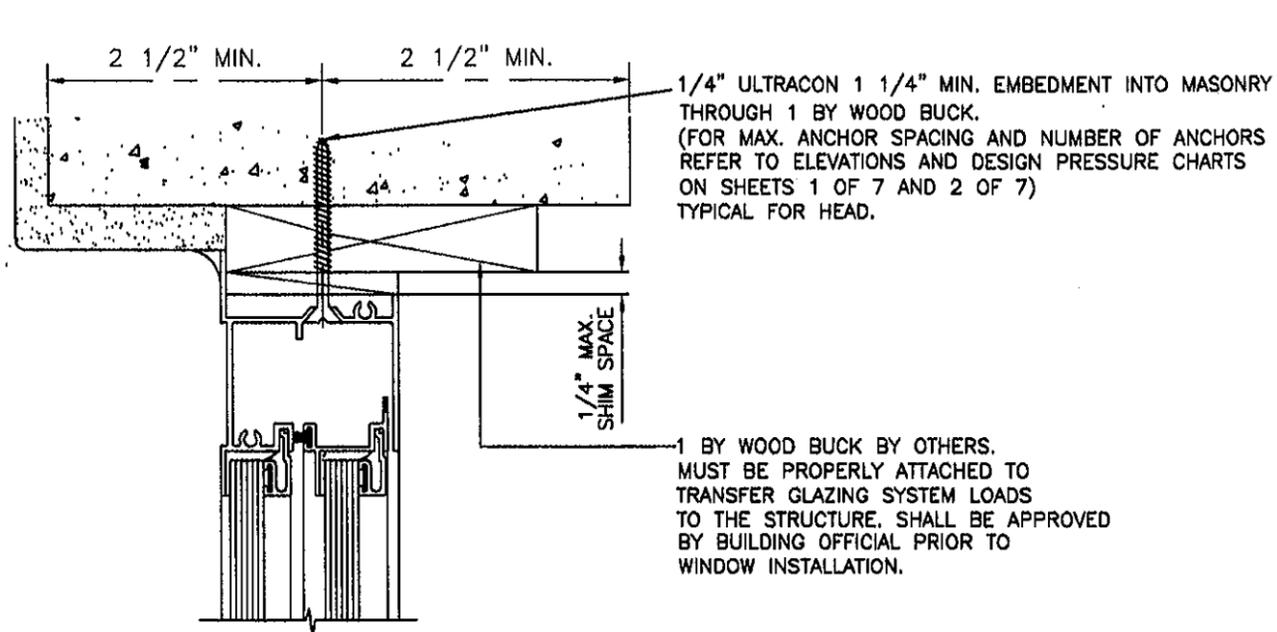
SERIES 1650 ALUMINUM  
 HORIZONTAL SLIDING WINDOW (XO)  
 IMPACT RESISTANT GLASS

NO	DATE	REVISION	NO CHANGE THIS SHEET
1	03-05-12		

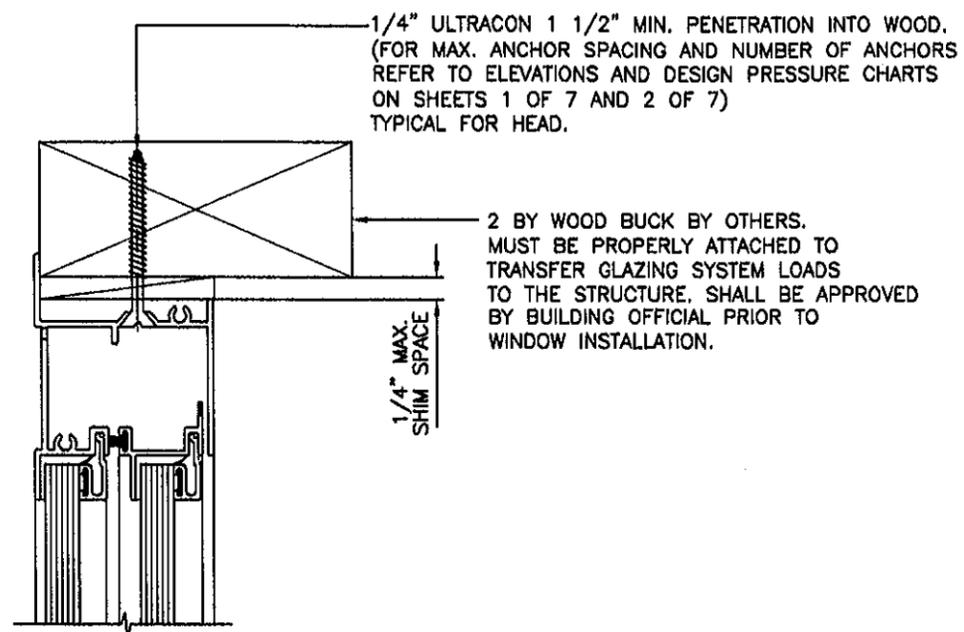
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 Miami/Dade Product Control

*Francisco Hernandez*  
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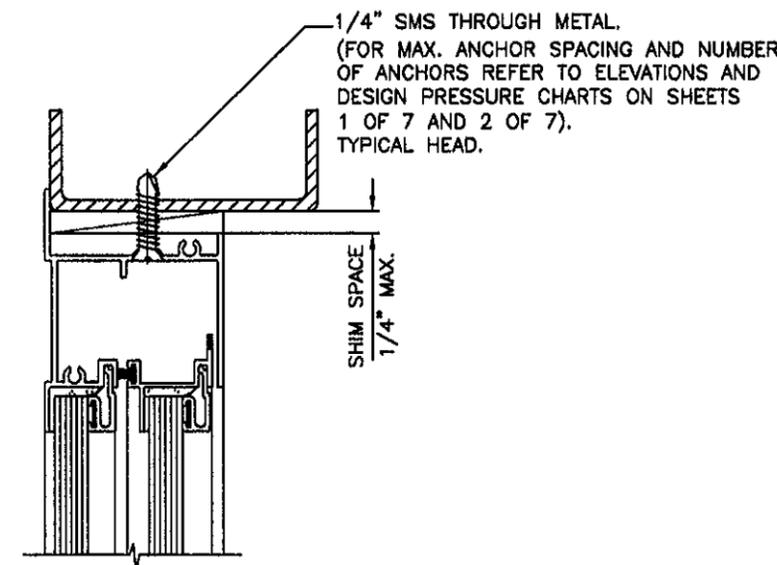
DRAWING No.  
 HS08-01  
 DATE: 03-14-08  
 SCALE: 1/2"=1"  
 SHEET 4 OF 7



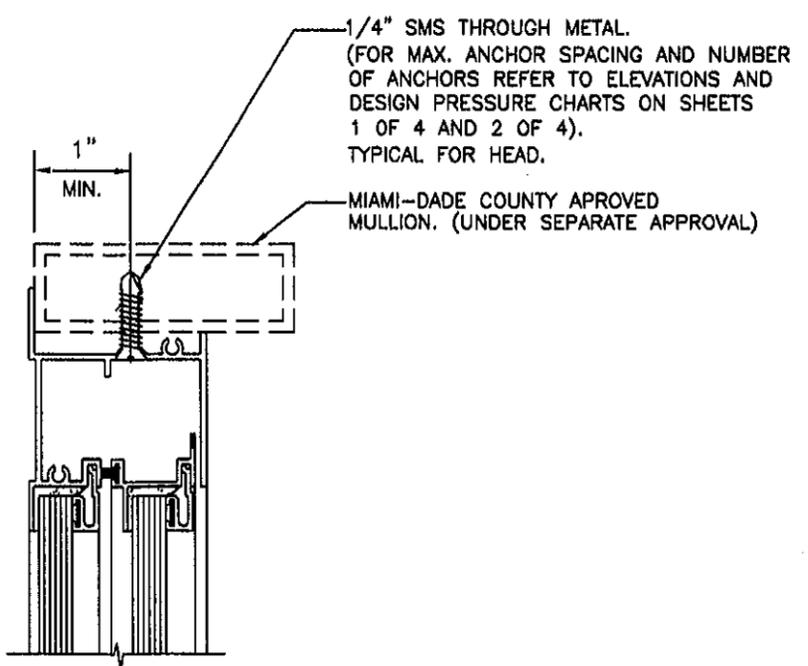
DETAIL A  
ATTACHMENT TO MASONRY



DETAIL B  
ATTACHMENT TO WOOD

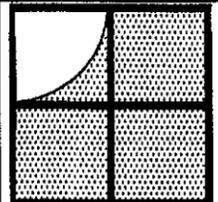


DETAIL C  
ATTACHMENT TO METAL STRUCTURE  
(STEEL OR ALUMI. 1/8" MIN. THICKNESS)



DETAIL C 1  
ATTACHMENT TO MULLION

**TYPICAL HEAD SECTIONS**



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
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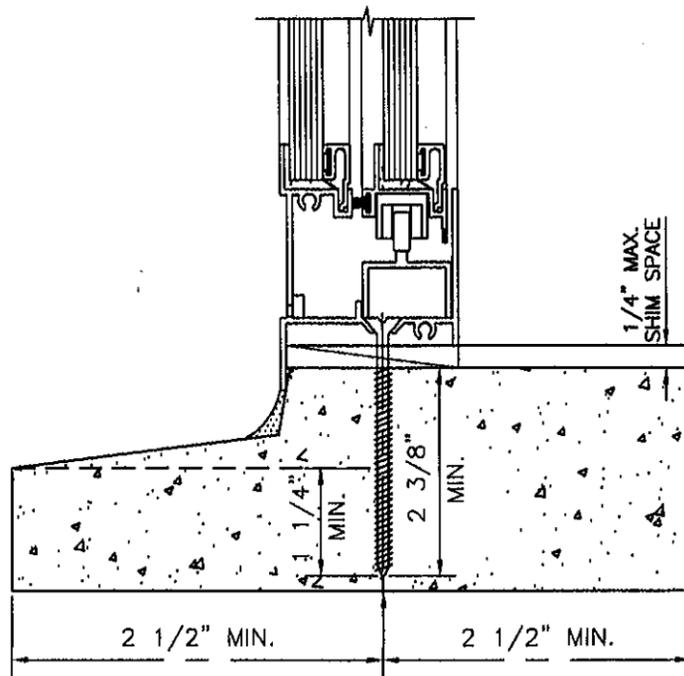
SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XO)  
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No	DATE	REVISION
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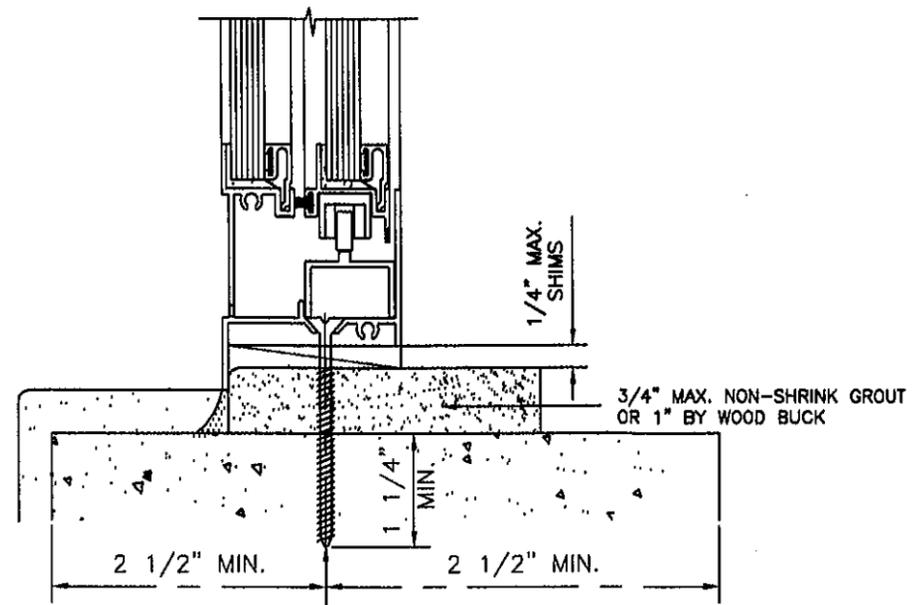
*FHS*  
3-12-12  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

DRAWING No.  
HS08-01  
DATE: 03-14-08  
SCALE: 1/2"=1"  
SHEET 5 OF 7



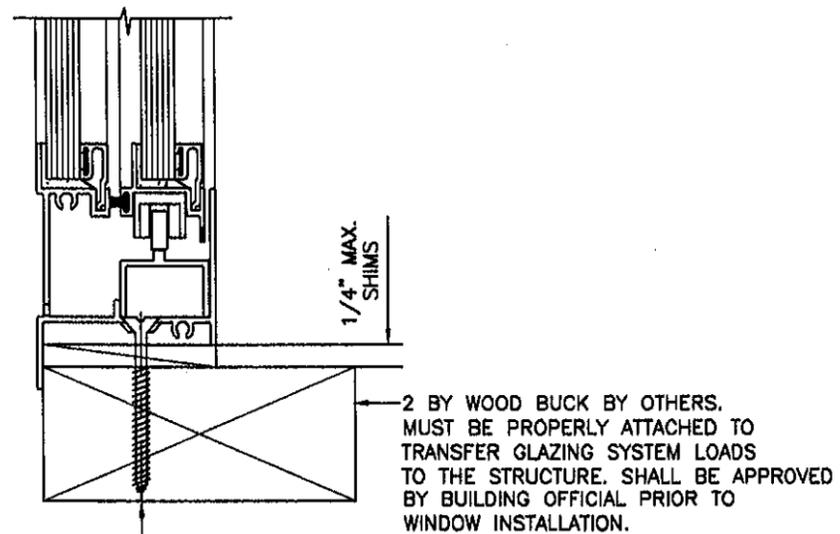
1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO MASONRY (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS ON SHEETS 1 OF 7 AND 2 OF 7) TYPICAL FOR SILL ONLY.

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



1/4" ULTRACON 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 ELEVATIONS AND DESIGN PRESSURE CHARTS ON SHEETS 1 OF 7 AND 2 OF 7). TYPICAL FOR SILL ONLY.

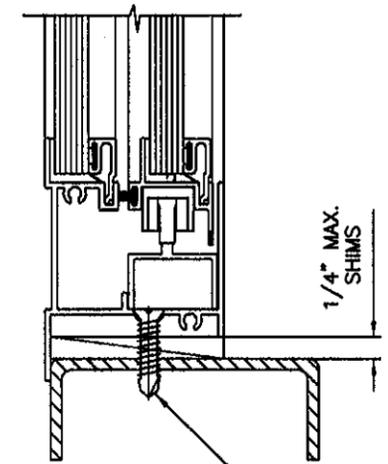
**DETAIL E**  
ATTACHMENT TO MASONRY



2 BY WOOD BUCK BY OTHERS. MUST BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.

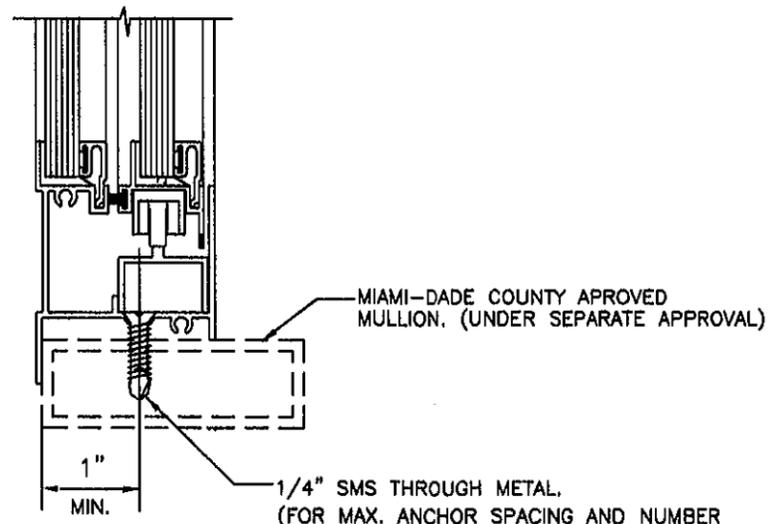
1/4" ULTRACON 1 1/2" MIN. PENETRATION INTO WOOD. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS ON SHEETS 1 OF 7 AND 2 OF 7). TYPICAL FOR SILL.

**DETAIL F**  
ATTACHMENT TO WOOD



1/4" SMS THROUGH METAL. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS ON SHEETS 1 OF 7 AND 2 OF 7). TYPICAL FOR SILL.

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



MIAMI-DADE COUNTY APPROVED MULLION. (UNDER SEPARATE APPROVAL)

1/4" SMS THROUGH METAL. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS ON SHEETS 1 OF 7 AND 2 OF 7). TYPICAL FOR SILL.

**DETAIL G 1**  
ATTACHMENT TO MULLION  
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

**TYPICAL SILL SECTIONS**

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

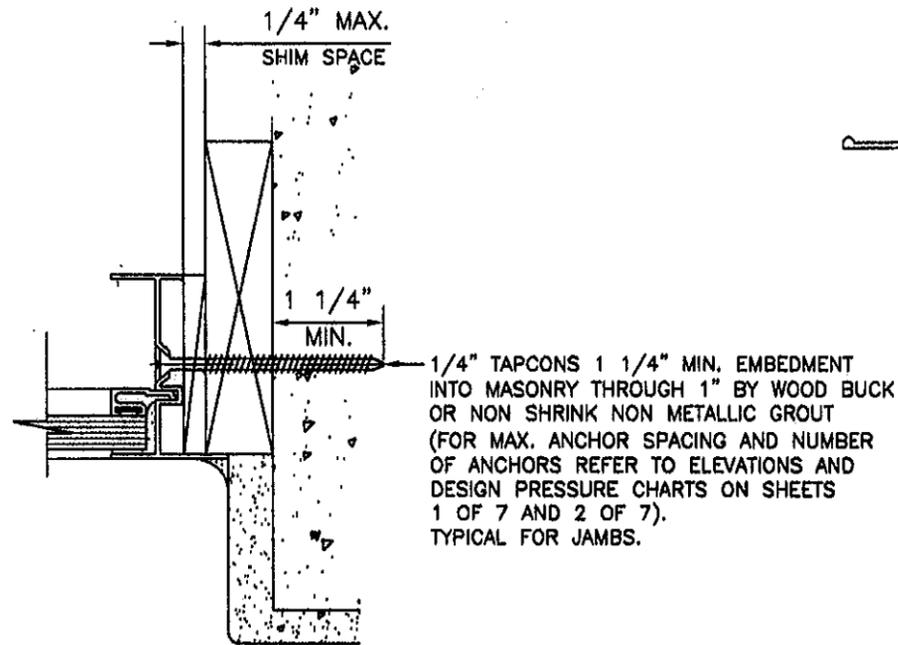
**SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XO)  
IMPACT RESISTANT GLASS**

NO	DATE	REVISION
1	03-05-12	UPDATED FOR 2010 FBC

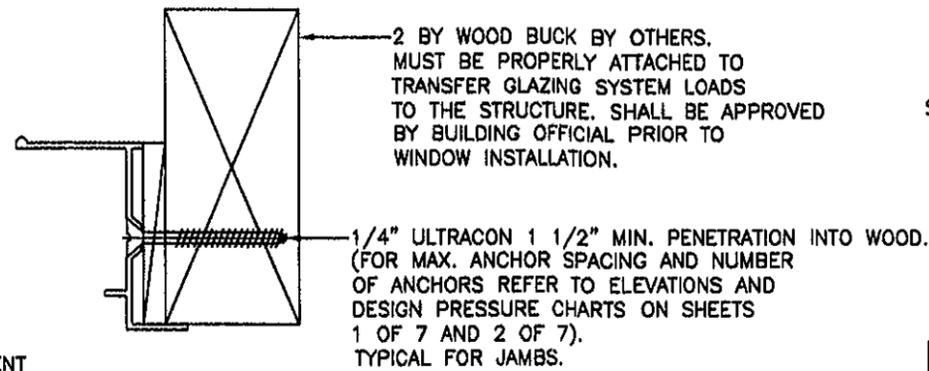
PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No 12-0320.06  
Expiration Date APRIL 10, 2018  
By *Manuel Ruiz*  
Miami Dade Product Control

*Francisco Hernandez*  
3-12-12  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

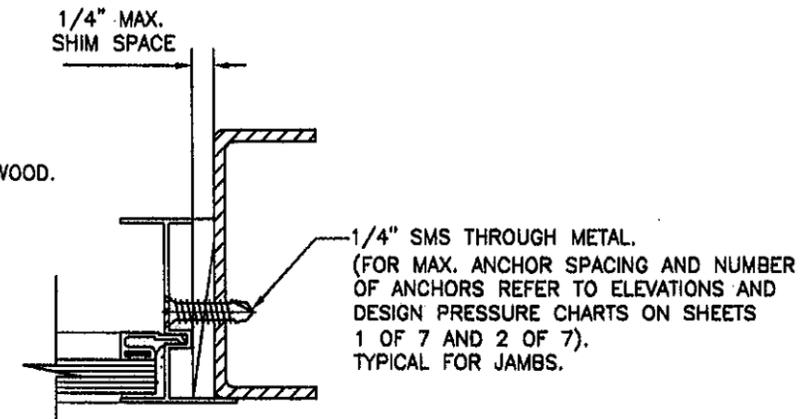
DRAWING No.  
HS08-01  
DATE: 03-14-08  
SCALE: 1/2"=1"  
SHEET 6 OF 7



**DETAIL H**  
ATTACHMENT TO MASONRY

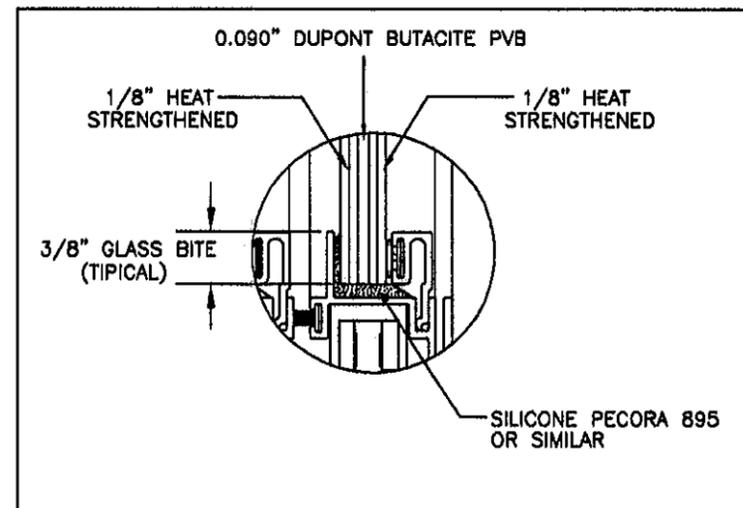


**DETAIL I**  
ATTACHMENT TO WOOD

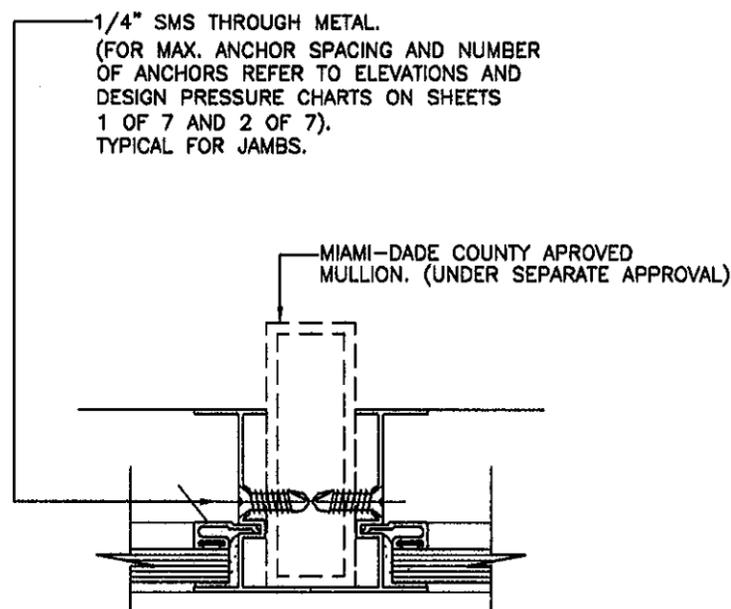


**DETAIL J**  
ATTACHMENT TO METAL STRUCTURE  
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

**GLAZING DETAIL**



GLAZING: 0.340" OVERALL LAMINATED GLASS USING TWO LITES OF 0.125" HEAT STRENGTHENED GLASS WITH A 0.090" INTERLAYER FILM DUPONT BUTACITE PVB, BETWEEN THE TWO LITES OF GLASS. LAMINATED BY TECNOGLASS.



**ATTACHMENT TO MULLIONS DETAIL**

**TYPICAL JAMB SECTIONS**

Sunshine Windows Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9982  
Fax: (305)828-5118

**SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XO)  
IMPACT RESISTANT GLASS**

NO	DATE	REVISION
1	03-05-12	NO CHANGE THIS SHEET

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No 12-0320.06  
Expiration Date SEP 10, 2018  
By Manuel Perez  
Miami Dade Product Control

*[Signature]*  
3-12-12  
FRANCISCO HERNANDEZ  
FLORIDA RE # 51393

DRAWING No.  
HS08-01  
DATE: 03-14-08  
SCALE: 1/2"=1"  
SHEET 7 OF 7