



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

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

**NOTICE OF ACCEPTANCE (NOA)**

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

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 RER-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. RER 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 - N.I.**

**APPROVAL DOCUMENT:** Drawing No. HS07-01, titled "Series 1650 Aluminum Horizontal Sliding Window (XO) Non-Impact Resistant Glass", sheets 01 through 07 of 07, dated 12/17/07, with revision no. 2 dated 11/20/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, 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 NOA No. 12-0320.08 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*  
4/1/15

NOA No. 14-1204.12  
Expiration Date: April 10, 2018  
Approval Date: April 09, 2015  
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 08-0107.07)*
2. Drawing No. **HS07-01**, titled "Series 1650 Aluminum Horizontal Sliding Window (XO) Non-Impact Resistant Glass", sheets 01 through 07 of 07, dated 12/17/07, with revision no. 2 dated 11/20/14, 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94along with marked-up drawings and installation diagram of Alum. horiz. sliding window, all prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-5376**, dated 08/24/07, **FTL-5060**, dated 02/28/07, **FTL-5058**, dated 01/30/07 and **FTL-5057**, dated 03/02/07, signed and sealed by Carlos S. Rionda, P. E.  
*(Submitted under previous NOA No. 08-0107.07)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, prepared by manufacturer, dated 11/20/14, signed and sealed by Francisco Hernandez, P. E.
2. **Glazing complies with ASTM E1300-04/09**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Pecora Corp. Part No. **Pecora 895 EPDM exterior glazing gasket** complying with ASTM C 794—30 pli, ASTM D412—Tension of 550 PSI, ASTM D 624—40 lb./ in., ASTM D 2240—Hardness Shore A 27 Durometer, ASTM C 510—None, ASTM D 471—70 HRS 257°F and ASTM D 3835—3.0 HRS 180°F, ASTM C 719—±50%, ASTM D 3960—12 g/L, ASTM C 679—3hrs. 7 to 14 days, ASTM C 639—Nil.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 14-1204.12  
Expiration Date: April 10, 2018  
Approval Date: April 09, 2015

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS**

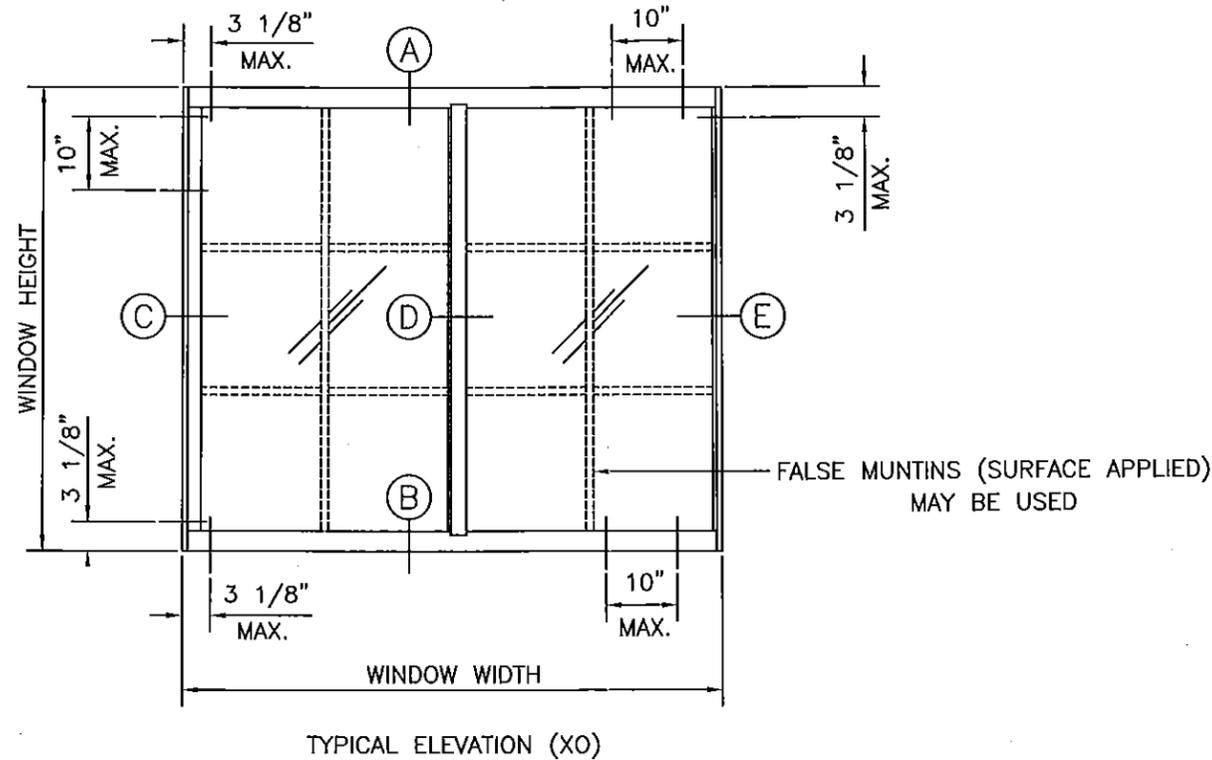
1. Statement letter of conformance to, complying with **FBC 5<sup>th</sup> Edition (2014)** and of no financial interest, dated 11/10/14, signed and sealed by Francisco Hernandez, P. E.
2. Department of State Certification of **SUNSHINE WINDOWS MANUFACTURING CORPORATION, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated 11/24/14 and filed by the Secretary of State.
3. Statement letter of conformance, complying with **FBC-2010** and of no financial interest, dated 03/12/12, signed and sealed by Francisco Hernandez, P. E.  
*(Submitted under previous NOA No.12-0320.08)*
4. Laboratory compliance letters for Test Reports No.'s **FTL-5376**, dated 08/24/07, **FTL-5060**, dated 02/28/07, **FTL-5058**, dated 01/30/07 and **FTL-5057**, dated 03/02/07, all issued by Fenestration Testing Laboratory, Inc., signed and sealed by Carlos S. Rionda, P. E.  
*(Submitted under previous NOA No. 08-0107.07)*

**G. OTHERS**

1. Notice of Acceptance No. **12-0320.08**, issued to Sunshine Windows Manufacturing, Inc. for their Series "1650 (XO) Aluminum Horizontal Sliding Window - N.I.", approved on 05/17/12 and expiring on 04/10/18.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 14-1204.12  
Expiration Date: April 10, 2018  
Approval Date: April 09, 2015



**GENERAL NOTES:**

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014).
- 2.- CONFIGURATIONS OX AND XO.
- 3.- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- 4.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 5.- FOR ANCHOR TYPE AND SPACING REFER TO TYPICAL ELEVATIONS AND SECTIONS ON SHEET 5 THRU 7.
- 6.- CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
  - CONCRETE STRENGTH  $F_c'28 = 3000$  PSI MIN.
  - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1.9 KSI.
  - FILLED CMU  $F_m' = 2000$  PSI MIN.
- 7.- USE NON-SHRINK, NON-METALIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.
- 8.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE"  $G = 0.55$  OR GREATER DENSITY.
- 9.- STEEL HOST STRUCTURE SHALL NOT BE LESS THAN 18 GAUGE. STEEL SHALL BE  $F_y = 36$  KSI MIN.
- 10.- THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6.
- 11.- 1X OR 2X WOOD BUCKS NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE PROPERLY ATTACHED TO SUSTAIN AND TRANSFER THE LOADS IMPOSED BY THE GLAZING SYSTEM TO THE STRUCTURE AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 12.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).

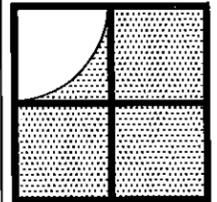
**GLASS:**

1/8" ANNEALED, 3/16" ANNEALED, 1/4" ANNEALED OR 1/4" TEMP. GLASS.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. **14-1204.12**  
 Expiration Date **04/10/2018**  
 By *[Signature]*  
 Miami Dade Product Control

*[Signature]*  
 11-20-14

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)  
 NON-IMPACT RESISTANT GLASS**

No	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC
2	11-20-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

DRAWING No.  
 HS07-01

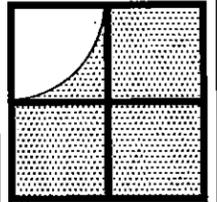
DATE: 12-17-07

SCALE: 1/2"=1"

SHEET 1 OF 7

DESIGN PRESSURES CHART - PSF

WINDOW DIMENSION		ANCHORS		1/8" ANNEALED GLASS		3/16" ANNEALED GLASS		1/4" ANNEALED GLASS		1/4" TEMPERED GLASS										
				1 3/4" SILL		3" SILL		1 3/4" SILL		3" SILL		1 3/4" SILL		3" SILL						
WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.			
STANDARD SIZES	26 1/2"	26"	3	3	50.00	181.0	70.00	181.0	53.33	209.0	70.00	209.0	53.33	209.0	70.00	209.0	53.33	209.0		
	37"		4		50.00	127.0	70.00	127.0	53.33	209.0	70.00	209.0	53.33	209.0	70.00	209.0	53.33	209.0	70.00	209.0
	53 1/8"		6		50.00	95.30	70.00	95.30	53.33	166.2	70.00	166.2	53.33	209.0	70.00	209.0	53.33	209.0	70.00	209.0
	74"		8		50.00	66.00	70.00	66.00	53.33	114.0	70.00	114.0	53.33	156.0	70.00	156.0	53.33	207.9	70.00	207.9
	26 1/2"	38 3/8"	3	5	50.00	128.9	70.00	128.9	53.33	177.1	70.00	177.1	53.33	209.0	70.00	209.0	53.33	209.0	70.00	209.0
	37"		4		50.00	75.10	70.00	75.10	53.33	130.4	70.00	130.4	53.33	209.0	70.00	209.0	53.33	209.0	70.00	209.0
	53 1/8"		6		50.00	64.90	64.90	64.90	53.33	95.95	70.00	95.95	53.33	140.0	70.00	140.0	53.33	206.2	70.00	206.2
	74"		8		-	-	-	-	53.33	74.85	70.00	74.85	53.33	103.0	70.00	103.0	53.33	166.2	70.00	166.2
37"	50 5/8"	4	6	50.0	57.60	57.60	57.60	53.33	95.00	70.00	95.00	53.33	202.0	70.00	202.0	53.33	207.2	70.00	207.2	
53 1/8"		6		-	-	-	-	53.33	68.70	68.70	68.70	53.33	103.0	70.00	103.0	53.33	154.6	70.00	154.6	
74"		8		-	-	-	-	52.20	52.20	52.20	52.20	53.33	78.50	70.00	78.50	53.33	117.5	70.00	117.5	
37"	63"	4	7	-	-	-	-	53.33	74.55	70.00	74.55	53.33	167.8	70.00	167.8	53.33	167.8	70.00	167.8	
53 1/8"		6		-	-	-	-	53.33	53.35	53.35	53.35	53.33	87.40	70.00	87.40	53.33	120.1	70.00	120.1	
74"		8		-	-	-	-	-	-	-	-	53.33	60.00	60.00	60.00	53.33	90.00	70.00	90.00	
MODULAR SIZES	24"	24"	3	3	50.00	160.00	70.00	160.00	53.33	209.0	70.00	209.0	53.33	209.0	70.00	209.0	53.33	209.0	70.00	209.0
	36"		4		50.00	142.0	70.00	142.0	53.33	153.4	70.00	153.4	53.33	153.4	70.00	153.4	53.33	153.40	70.00	153.40
	48"		5		50.00	112.0	70.00	112.0	53.33	126.9	70.00	126.9	53.33	126.9	70.00	126.9	53.33	126.9	70.00	126.9
	60"		7		50.00	87.30	70.00	87.30	53.33	132.9	70.00	132.9	53.33	132.8	70.00	132.8	53.33	132.8	70.00	132.8
	72"		8		50.00	70.50	70.00	70.50	53.33	121.2	70.00	121.2	53.33	121.2	70.00	121.2	53.33	121.2	70.00	121.2
	24"	36"	3	4	50.00	153.5	70.00	153.5	53.33	153.4	70.00	153.4	53.33	153.4	70.00	153.4	53.33	153.4	70.00	153.4
	36"		4		50.00	82.50	70.00	82.50	53.33	135.4	70.00	135.4	53.33	135.4	70.00	135.4	53.33	135.4	70.00	135.4
	48"		5		50.00	73.90	70.00	73.90	53.33	100.4	70.00	100.4	53.33	100.4	70.00	100.4	53.33	100.4	70.00	100.4
	60"		7		50.00	64.90	64.90	64.90	53.33	94.70	70.00	94.70	53.33	99.90	70.00	99.90	53.33	99.90	70.00	99.90
	72"		8		50.00	55.80	55.80	55.80	53.33	83.20	69.10	83.20	53.33	88.55	70.00	88.55	53.33	88.55	70.00	88.55
	36"	48"	4	5	50.00	63.00	63.00	63.00	53.33	100.4	70.00	100.4	53.33	100.4	70.00	100.4	53.33	100.4	70.00	100.4
	48"		5		-	-	-	-	53.33	79.90	70.00	79.90	53.33	93.85	70.00	93.85	53.33	93.85	70.00	93.85
	60"		7		-	-	-	-	53.33	66.00	66.00	66.00	53.33	87.00	70.00	87.00	53.33	87.00	70.00	87.00
	72"		8		-	-	-	-	53.33	57.00	57.00	57.00	53.33	74.30	70.00	74.30	53.33	74.30	70.00	74.30
	36"	60"	4	7	50.00	56.20	56.20	56.20	53.33	80.75	70.00	80.75	53.33	99.90	70.00	99.90	53.33	99.90	70.00	99.90
	48"		5		-	-	-	-	53.33	61.80	61.80	61.80	53.33	87.00	70.00	87.00	53.33	87.00	70.00	87.00
	60"		7		-	-	-	-	50.65	50.65	50.65	50.65	53.33	76.70	70.00	76.70	53.33	83.40	70.00	83.40
	72"		8		-	-	-	-	-	-	-	-	53.33	65.45	64.45	64.45	53.33	67.75	67.75	67.75



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)  
 NON-IMPACT RESISTANT GLASS

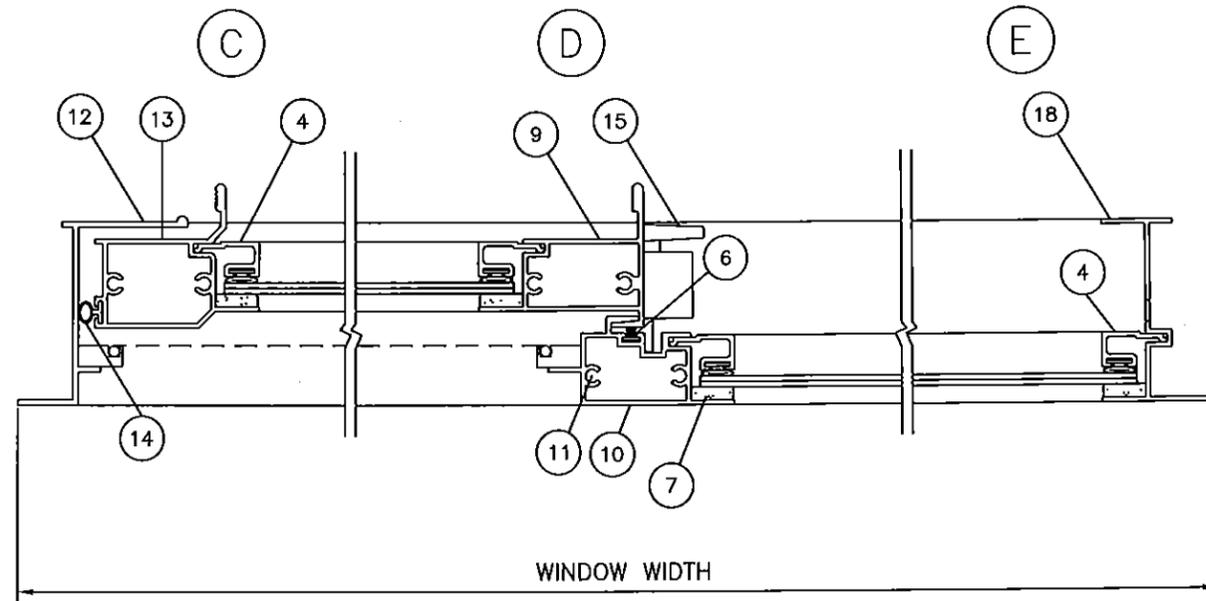
No	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC
2	11-20-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. **14-1204.12**  
 Expiration Date **04/10/2018**  
 By *[Signature]*  
 Miami Dade Product Control

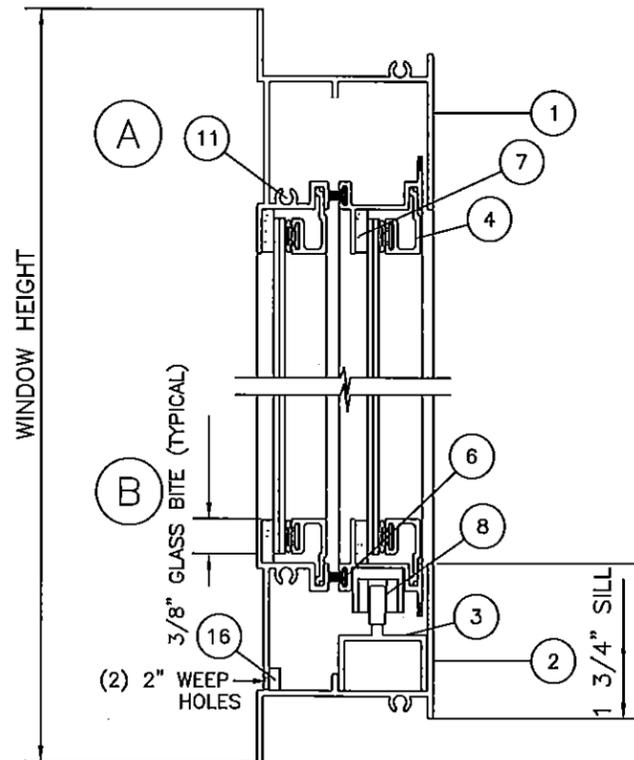
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 11-20-14

FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

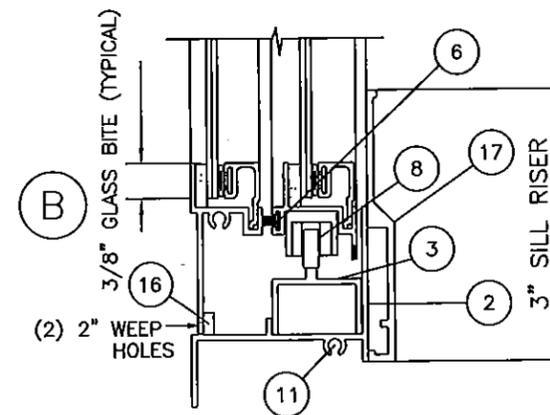
DRAWING No.  
 HS07-01  
 DATE: 12-17-07  
 SCALE: 1/2"=1"  
 SHEET 2 OF 7



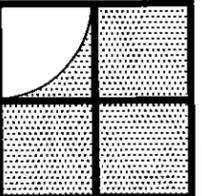
HORIZONTAL SECTION



VERTICAL SECTION



VERTICAL SECTION WITH SILL RISER



Sunshine Windows  
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1745 W. 33rd Place  
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NON-IMPACT RESISTANT GLASS

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DRAWING No.  
HS07-01

DATE: 12-17-07

SCALE: 1/2"=1"

SHEET 3 OF 7

PRODUCT REVISED  
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By *[Signature]*  
Miami Dade Product Control

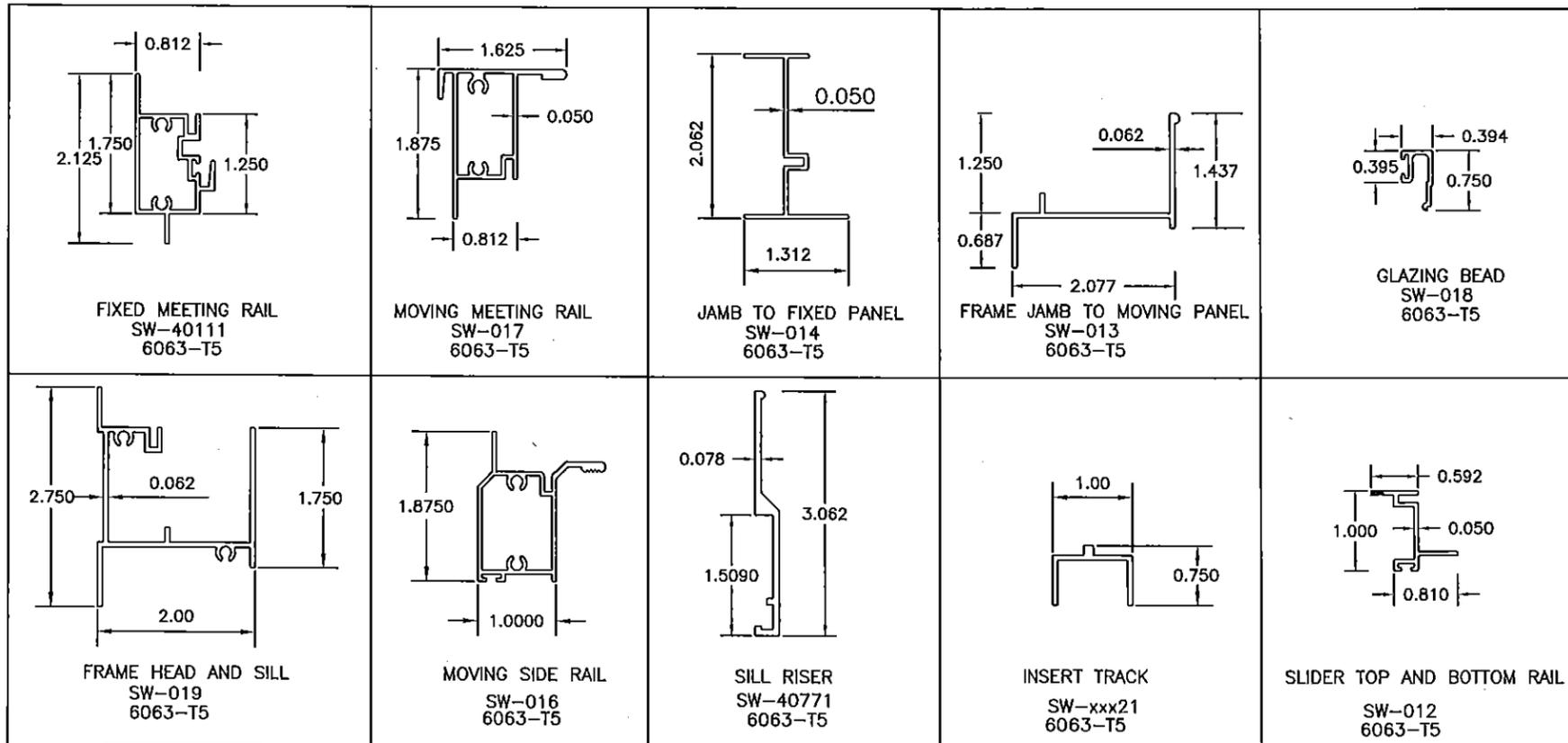
*[Signature]*  
11-20-14  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

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	SLIDER TOP/BOTTOM RAIL	6063-T5
6	SW3019	AS RQD	FIN SEAL PILE	FELT
7	SW1520	AS RQD	GLAZING TAPE	FOAM
8	SW321W	2	WHEEL	BRASS
9	SW-017	1	MOVING MEETING RAIL	6063-T5

MATERIAL LIST

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
10	SW40111	1	FIXED MEETING RAIL	6063-T5
11	SW-AS	AS RQD	ASSEMBLY SCREWS	# 8X1" SMS.
12	SW-013	1	JAMB TO MOVING PANEL	6063-T5
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



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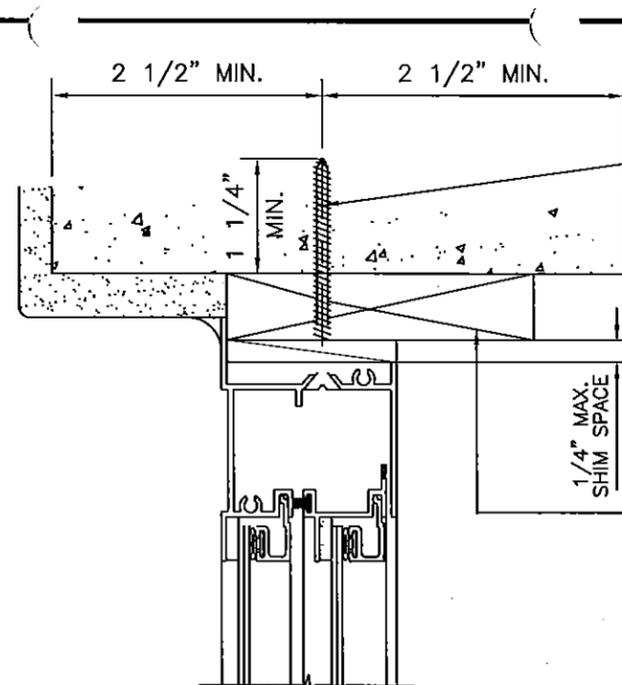
SERIES 1650 ALUMINUM  
 HORIZONTAL SLIDING WINDOW (XO)  
 NON-IMPACT RESISTANT GLASS

No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	11-20-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. **14-1204.12**  
 Expiration Date **04/10/2018**  
 By *[Signature]*  
 Miami Dale Product Control

*[Signature]*  
 11-20-14  
 FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

DRAWING No.  
 HS07-01  
 DATE: 12-17-07  
 SCALE: 1/2"=1"  
 SHEET 4 OF 7

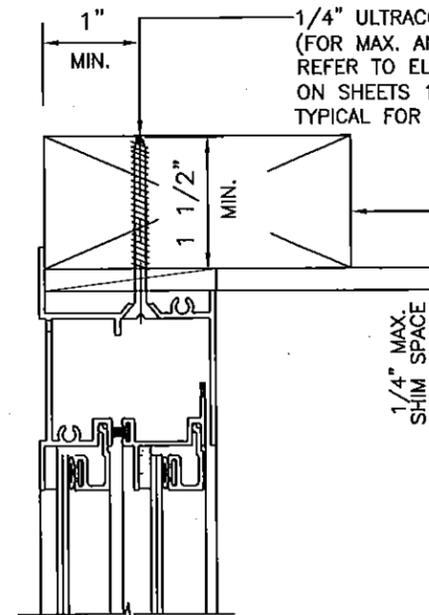


1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO MASONRY THROUGH 1 BY WOOD BUCK (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS ON SHEETS 1 OF 7 AND 2 OF 7). TYPICAL FOR HEAD.

1 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.

DETAIL A

ATTACHMENT TO MASONRY

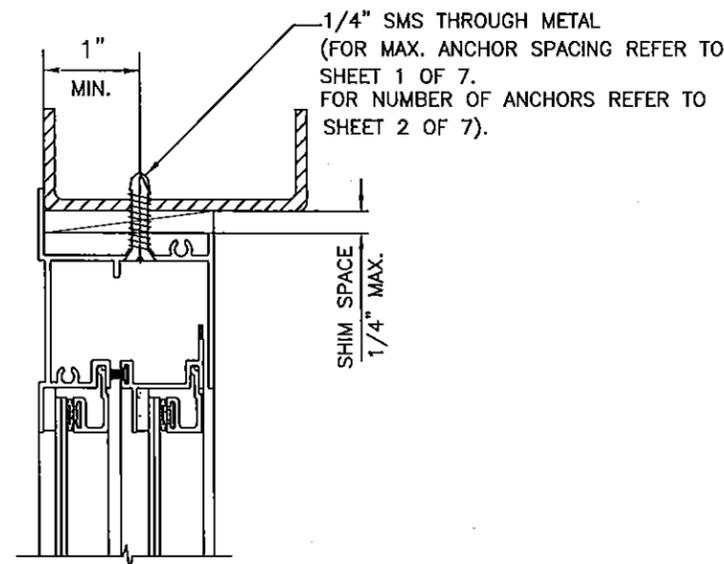


1/4" ULTRACON 1 1/2" MIN. PENETRATION INTO WOOD (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS ON SHEETS 1 OF 7 AND 2 OF 7). TYPICAL FOR HEAD.

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.

DETAIL B

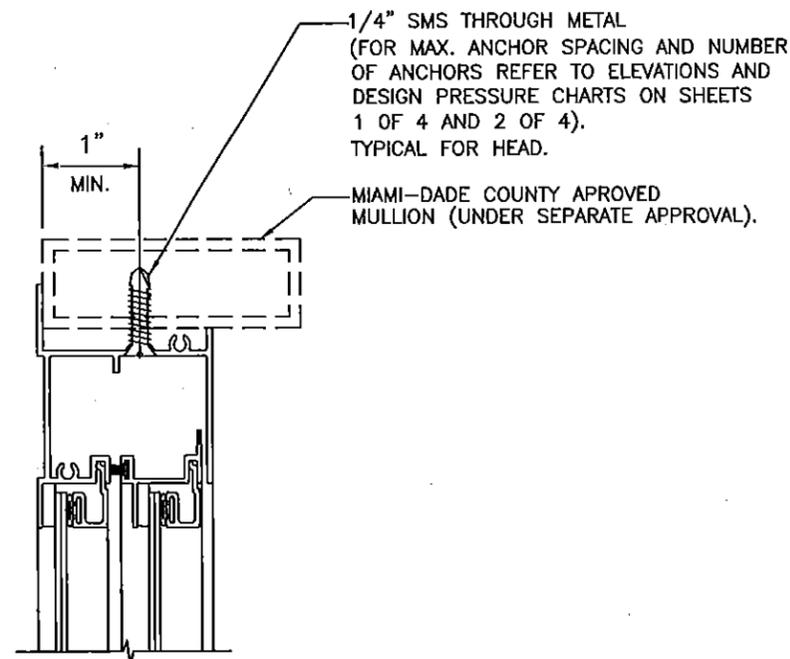
ATTACHMENT TO WOOD



1/4" SMS THROUGH METAL (FOR MAX. ANCHOR SPACING REFER TO SHEET 1 OF 7. FOR NUMBER OF ANCHORS REFER TO SHEET 2 OF 7).

DETAIL C

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



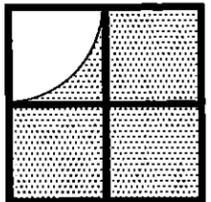
1/4" SMS THROUGH METAL (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS ON SHEETS 1 OF 4 AND 2 OF 4). TYPICAL FOR HEAD.

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

DETAIL C 1

ATTACHMENT TO MULLION

TYPICAL HEAD 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)  
NON-IMPACT RESISTANT GLASS

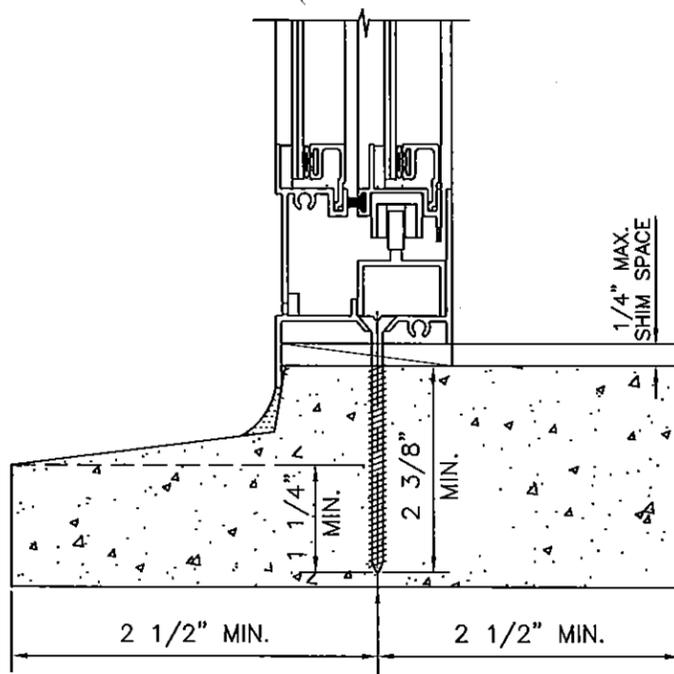
No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	11-20-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. **14-1204-12**  
Expiration Date **04/10/2018**  
By *[Signature]*  
Miami Dade Product Control

*[Signature]*  
11-20-14

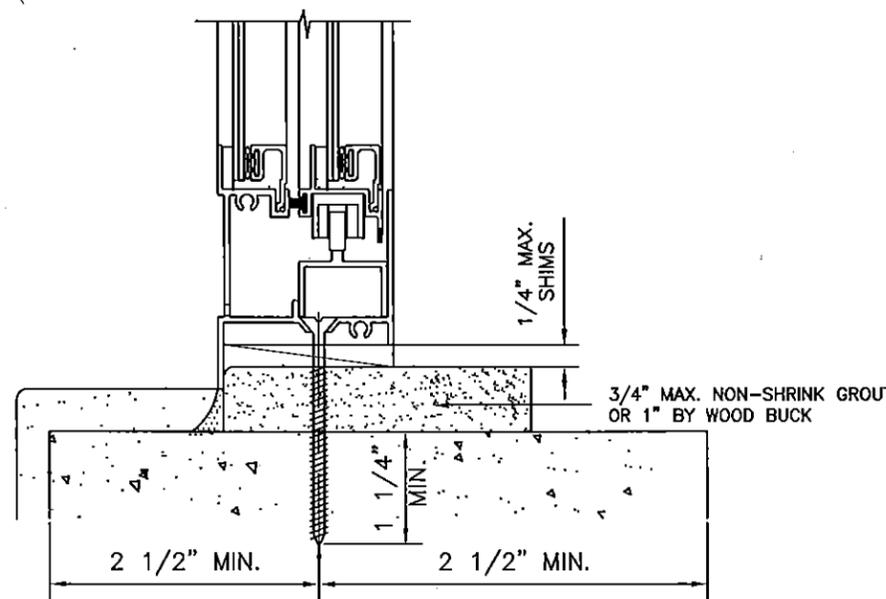
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

DRAWING No. HS07-01  
DATE: 12-17-07  
SCALE: 1/2"=1"  
SHEET 5 OF 7



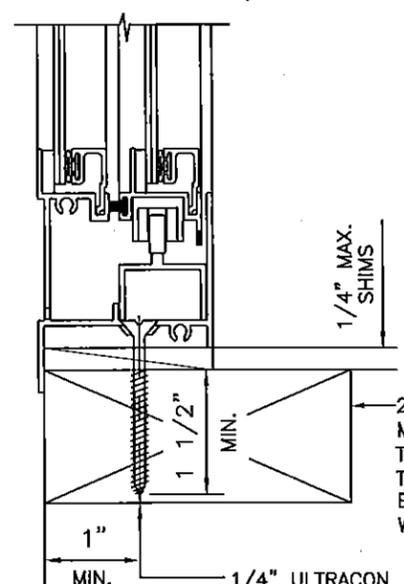
1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO MASONRY (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL ONLY.

**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 PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL ONLY.

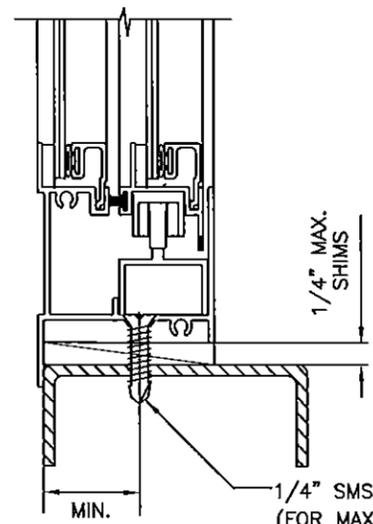
**DETAIL E**  
ATTACHMENT TO MASONRY



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.

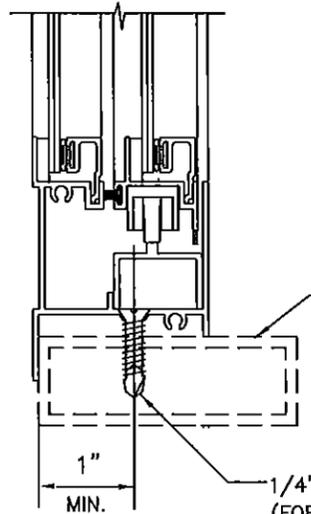
1/4" ULTRACON 1 1/2" MIN. PENETRATION INTO WOOD. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL.

**DETAIL F**  
ATTACHMENT TO WOOD



(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL.

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

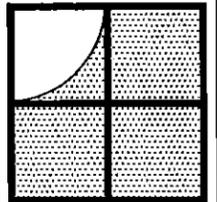


MIAMI-DADE COUNTY APPROVED MULLION (UNDER SEPARATE APPROVAL).

(FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL.

**DETAIL G1**  
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)  
NON-IMPACT RESISTANT GLASS**

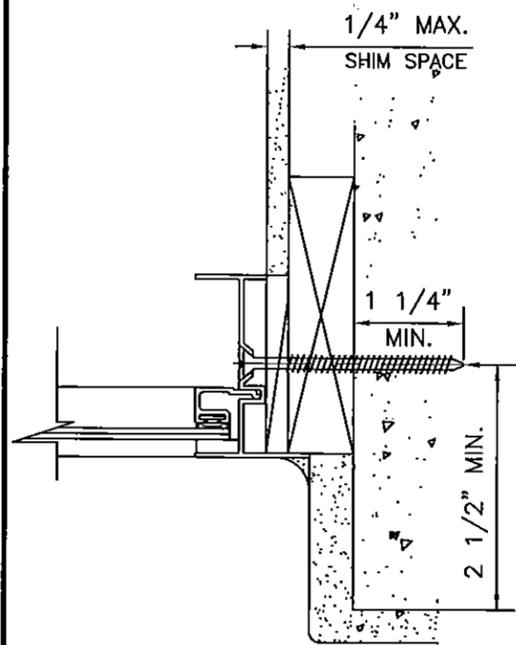
No	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC
2	11-20-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. **14-1204.12**  
Expiration Date **04/30/2018**  
By *[Signature]*  
Miami Dade Product Control

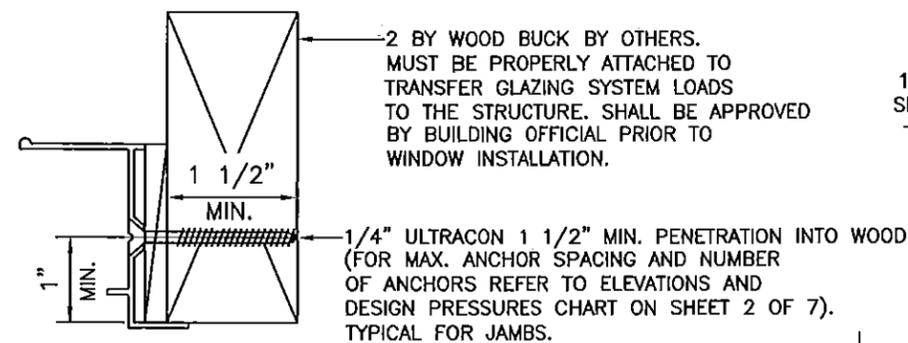
*[Signature]*  
11-20-14

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

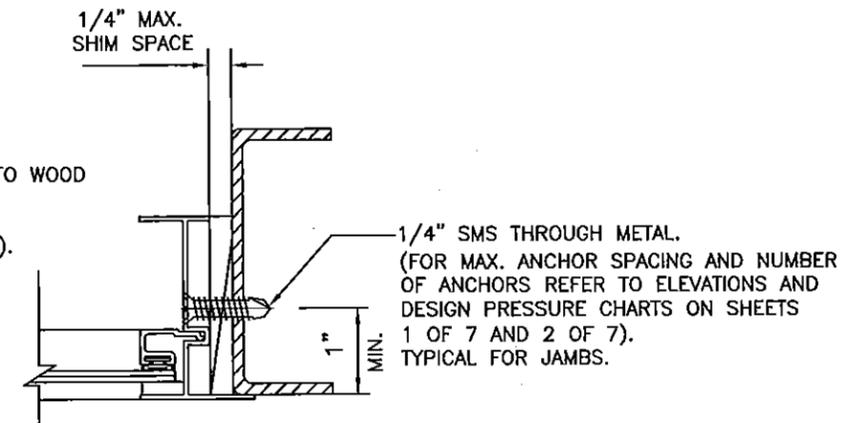
DRAWING No. HS07-01  
DATE: 12-17-07  
SCALE: 1/2"=1"  
SHEET 6 OF 7



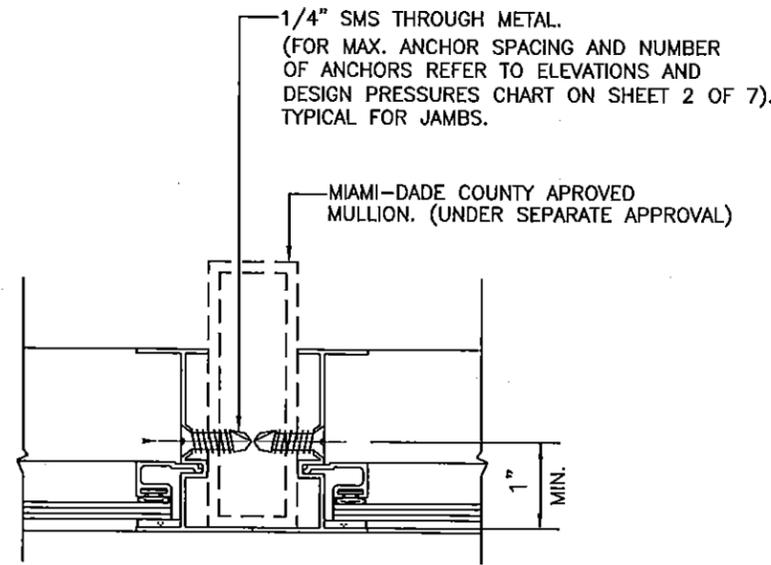
**DETAIL H**  
ATTACHMENT TO MASONRY



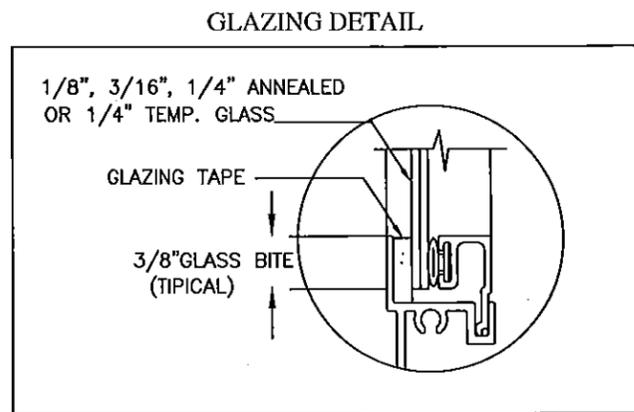
**DETAIL I**  
ATTACHMENT TO WOOD



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

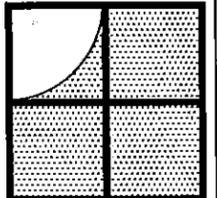


ATTACHMENT TO MULLIONS DETAIL



GLAZING DETAIL

**TYPICAL JAMB 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)  
NON-IMPACT RESISTANT GLASS**

No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	11-20-14	REVISION IN COMPLIANCE WITH FBC 5TH EDITION (2014)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **14-1204.12**  
Expiration Date **04/10/2018**  
By *[Signature]*  
Miami Dade Product Control

*[Signature]*  
11-20-14  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

DRAWING No.  
**HS07-01**  
DATE: 12-17-07  
SCALE: 1/2"=1"  
SHEET 7 OF 7