



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

APPROVAL DOCUMENT: Drawing No. **HR07-02**, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX)", sheets 1 through 4 of 4, dated 7/31/07 and revised on 9/4/07, 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: 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 # **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. 07-0514.02
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)" Sheets 1 through 4 of 4, dated 7/31/07 and revised on 9/4/07, 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. 07-0514.02
Expiration Date: August 19, 2008
Approval Date: September 20, 2007

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

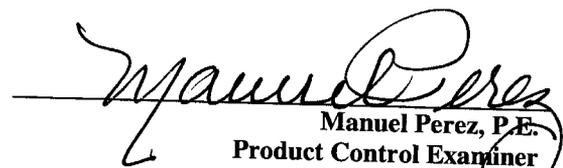
1. None.

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. 07-0514.02
Expiration Date: August 19, 2008
Approval Date: September 20, 2007

DESIGN PRESSURE CHART - PSF

SERIES-1650

ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)

HURRICANE PROTECTION SYSTEM IS REQUIRED

STANDARD SIZES	WINDOW DIMENSION		ANCHOR SCHEDULE		GLASS DSB ANNEALED AT VENTS 3/16" ANNEALED AT FIXED				GLASS 3/16" ANNEALED AT VENTS 1/4" ANNEALED AT FIXED					
	WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	1 3/4" SILL		2 1/2" SILL		1 3/4" SILL		2 1/2" SILL			
					EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.		
STANDARD SIZES	74"	26"	7	3	40.70	67.50	67.50	67.50	40.70	105.61	70.00	105.61		
	106 1/4"		10		40.70	67.50	67.50	67.50	40.70	94.99	70.00	94.99		
	111"		10		40.70	67.50	67.50	67.50	40.70	98.61	70.00	98.61		
	STANDARD SIZES	74"	38 3/8"	7	4	40.70	67.50	67.50	67.50	40.70	79.63	70.00	79.63	
		106 1/4"		10		40.70	55.70	55.70	55.70	40.70	68.94	68.94	68.94	
		111"		10		40.70	53.20	53.20	53.20	40.70	71.31	70.00	71.31	
		STANDARD SIZES	74"	50 5/8"	7	5	40.70	62.60	62.60	62.60	40.70	67.96	67.96	67.96
			106 1/4"		10		40.70	42.20	42.20	42.20	40.70	56.21	56.21	56.21
			111"		10		40.30	40.30	40.30	40.30	40.70	57.92	57.92	57.92
	STANDARD SIZES		74"	63"	7	5	40.70	50.30	49.20	50.30	40.70	52.75	49.20	52.75
			106 1/4"		10		33.90	33.90	33.90	33.90	40.50	48.91	40.50	48.91
			111"		10		32.40	32.40	32.40	32.40	39.90	48.90	39.90	48.90
MODULAR SIZES		72"	24"	7	3	40.70	67.50	67.50	67.50	40.70	116.32	70.00	116.32	
		84"		8		40.70	67.50	67.50	67.50	40.70	109.05	70.00	109.05	
		96"		9		40.70	67.50	67.50	67.50	40.70	103.86	70.00	103.86	
	108"	10		40.70		67.50	67.50	67.50	40.70	99.96	70.00	99.96		
	MODULAR SIZES	72"	36"	7	4	40.70	67.50	67.50	67.50	40.70	86.16	70.00	86.16	
		84"		8		40.70	67.50	67.50	67.50	40.70	79.31	70.00	79.31	
		96"		9		40.70	66.30	66.30	66.30	40.70	74.56	70.00	74.56	
		108"		10		40.70	58.40	58.40	58.40	40.70	71.08	70.00	71.08	
	MODULAR SIZES	72"	48"	7	5	40.70	67.50	67.50	67.50	40.70	72.70	70.00	72.70	
		84"		8		40.70	57.50	57.50	57.50	40.70	65.43	65.43	65.43	
		96"		9		40.70	49.70	49.70	49.70	40.70	60.58	60.58	60.58	
		108"		10		40.70	43.80	43.80	43.80	40.70	57.12	57.12	57.12	
MODULAR SIZES	72"	60"	7	5	40.70	54.50	53.80	54.50	40.70	58.16	53.80	58.16		
	84"		8		40.70	46.00	46.00	46.00	40.70	58.16	49.10	58.16		
	96"		9		39.80	39.80	39.80	39.80	40.70	52.87	45.90	52.87		
	108"		10		35.00	35.00	35.00	35.00	40.70	49.21	43.90	49.21		

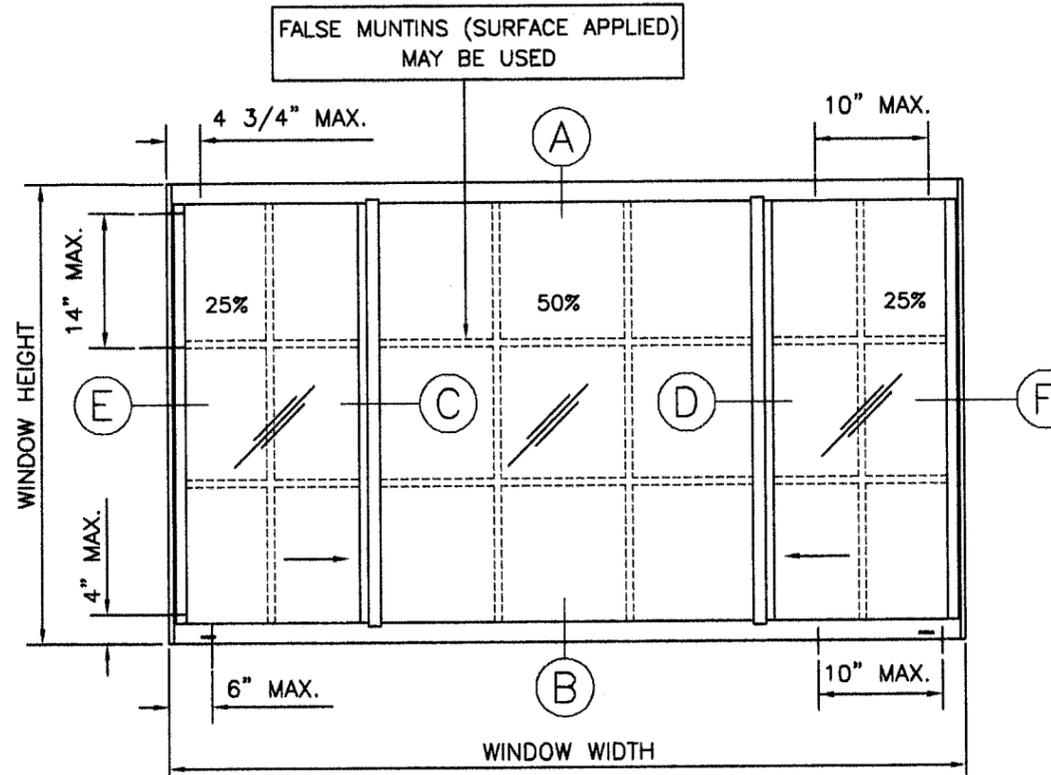
TYPICAL ANCHORS:

- 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

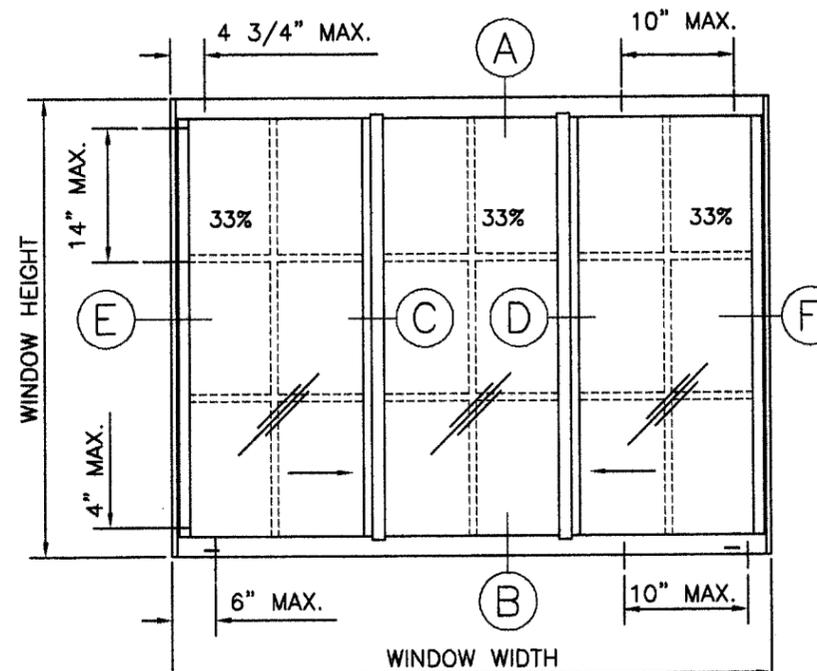
GENERAL NOTES:

- 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.

THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE



TYPICAL ELEVATION (XOX) 25/50/25



TYPICAL ELEVATION (XOX) 33/33/33

- 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"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0514.02
Expiration Date AUG. 19, 2008

By *Manuel Perez*
Miami/Dade Product Control
Division

Huff
9-4-07
FRANCISCO HERNANDEZ
FLORIDA 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
15313 SW 35 TERR
Miami, Florida 33185
Phone (305) 266 8670
Fax (305) 563 2224



SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)

Drawn By: RF
Date: 7-31-07
Scale: 1/2"=1'
Revision: 9-4-07
Revision:

DRAWING NO.
HR07-02

SHEET
1 OF 4

DESIGN PRESSURE CHART - PSF

SERIES-1650

ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)

1/4" TEMPERED GLASS AT VENTS AND FIXED

WINDOW DIMENSION		ANCHOR SCHEDULE		HURRICANE PROTECTION IS REQUIRED			
WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	1 3/4" SILL		2 1/2" SILL	
				EXT.	INT.	EXT.	INT.
STANDARD SIZES							
74"	26"	7	3	46.70	105.61	70.00	105.61
106 1/4"		10		46.70	94.99	70.00	94.99
111"		10		46.70	98.61	70.00	98.61
74"	38 3/8"	7	4	46.70	79.63	70.00	79.63
106 1/4"		10		46.70	68.94	68.94	68.94
111"		10		46.70	71.31	70.00	71.31
74"	50 5/8"	7	5	46.70	67.96	67.96	67.96
106 1/4"		10		46.70	56.21	56.21	56.21
111"		10		46.70	57.92	57.92	57.92
74"	63"	7	6	46.70	62.56	62.56	62.56
106 1/4"		10		46.70	48.91	48.91	48.91
111"		10		46.70	50.16	50.16	50.16
MODULAR SIZES							
72"	24"	7	3	46.70	116.32	70.00	116.32
84"		8		46.70	109.05	70.00	109.05
96"		9		46.70	103.86	70.00	103.86
108"		10		46.70	109.05	70.00	109.05
72"	36"	7	4	46.70	86.16	70.00	86.16
84"		8		46.70	79.31	70.00	79.31
96"		9		46.70	74.56	70.00	74.56
108"		10		46.70	77.55	70.00	77.55
72"	48"	7	5	46.70	72.70	70.00	72.70
84"		8		46.70	65.43	65.43	65.43
96"		9		46.70	60.58	60.58	60.58
108"		10		46.70	62.31	62.31	62.31
72"	60"	7	5	46.70	58.16	58.16	58.16
84"		8		46.70	58.16	58.16	58.16
96"		9		46.70	52.87	52.87	52.87
108"		10		46.70	53.69	53.69	53.69

TYPICAL ANCHORS:

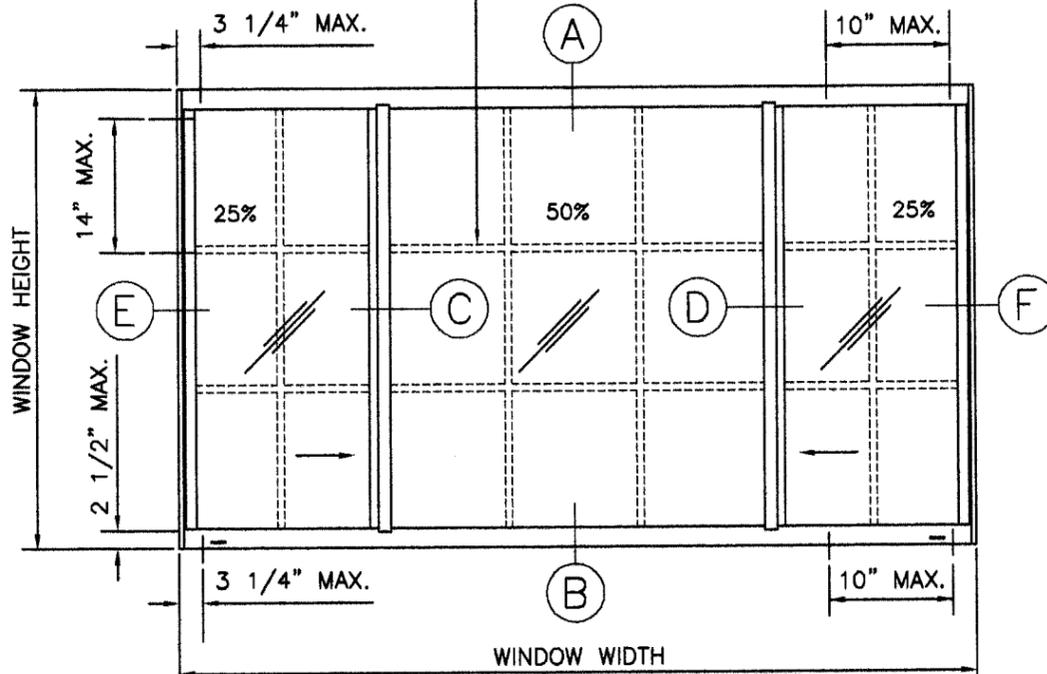
- INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1/4" SMS WITH 1 1/2" MIN. PENETRATION INTO WOOD.
- INTO 1BY WOOD BUCKS, NON-SHRINK GROUT OR INTO MASONRY 1/4" TAPCONS WITH 1 1/4" MIN. EMBEDMENT INTO MASONRY.
- INTO METAL STRUCTURE 1/4" SMS

GENERAL NOTES:

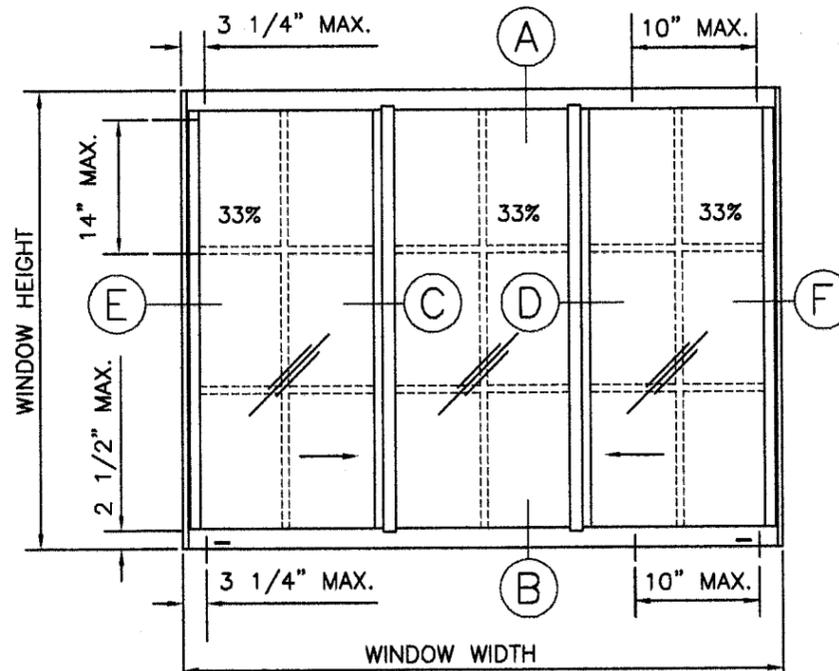
- FOR NUMBER OF ANCHORS REQUIRED FOR EACH UNIT SIZE REFER TO ANCHOR SCHEDULE COLUMN IN THE DESIGN PRESSURE CHART.
- APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR H.R. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING APPROVED MULLIONS.

THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE

FALSE MUNTINS (SURFACE APPLIED) MAY BE USED



TYPICAL ELEVATION (XOX) 25/50/25



TYPICAL ELEVATION (XOX) 33/33/33

- 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"

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 07-0514-02 Expiration Date AUG. 12, 2008
By *Francisco Hernandez*
Miami/Dade Product Control Division

Francisco Hernandez
9-4-07
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Sunshine Windows Manufacturing, Inc.

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

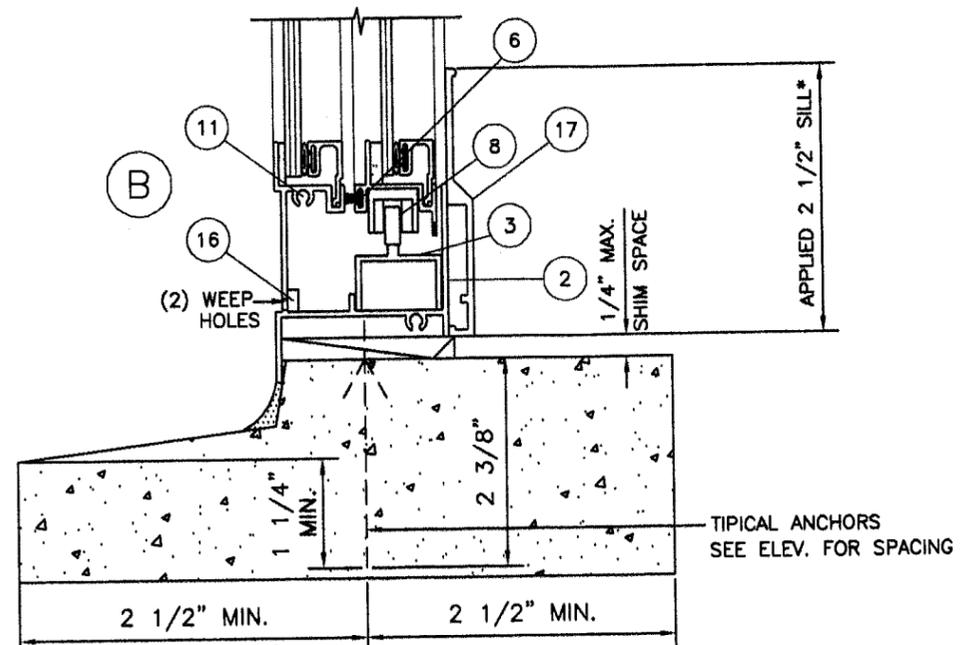
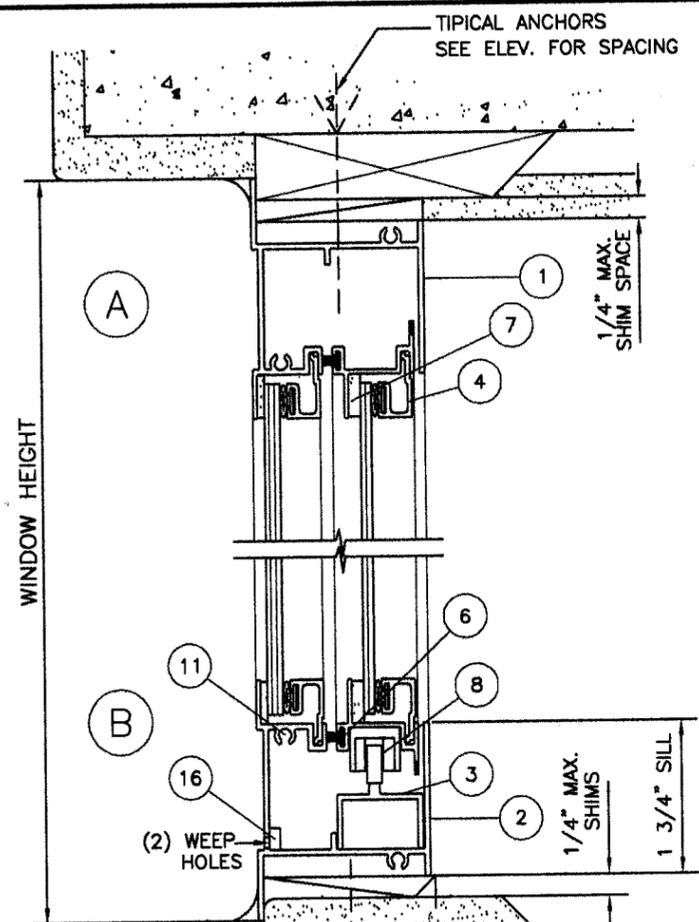
FRANCISCO HERNANDEZ P. E.
Structural Engineering
15313 SW 35 TERR
Miami, Florida 33185
Phone (305) 266 8670
Fax (305) 553 2224

SERIES 1650 ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)

Drawn By: RF
Date: 7-31-07
Scale: 1/2" = 1'
Revision: 9-4-07
Revision:

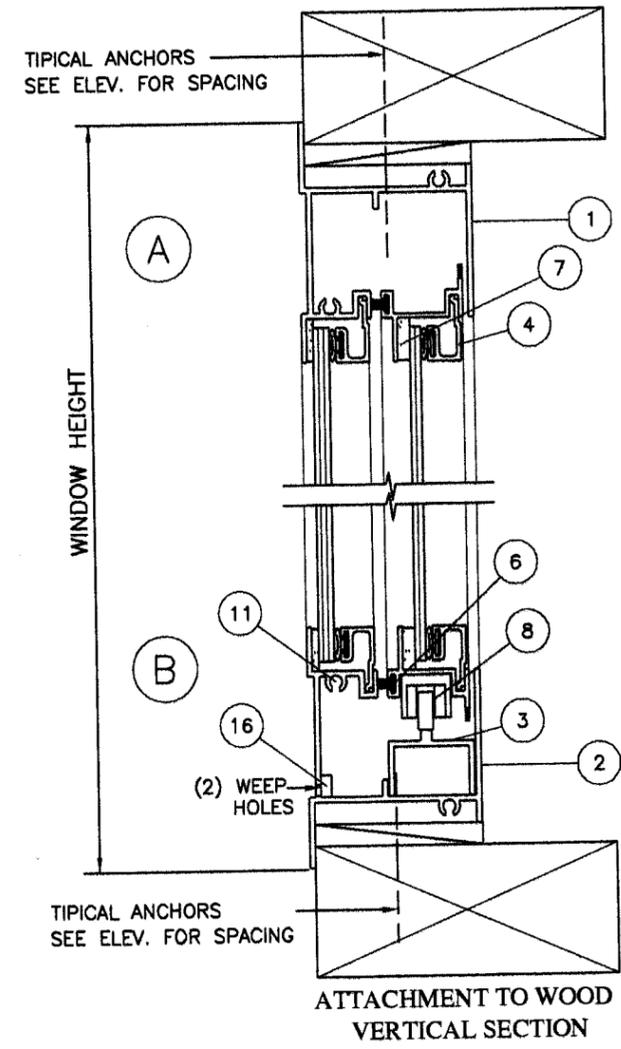
DRAWING NO.
HR07-02

SHEET
2 OF 4



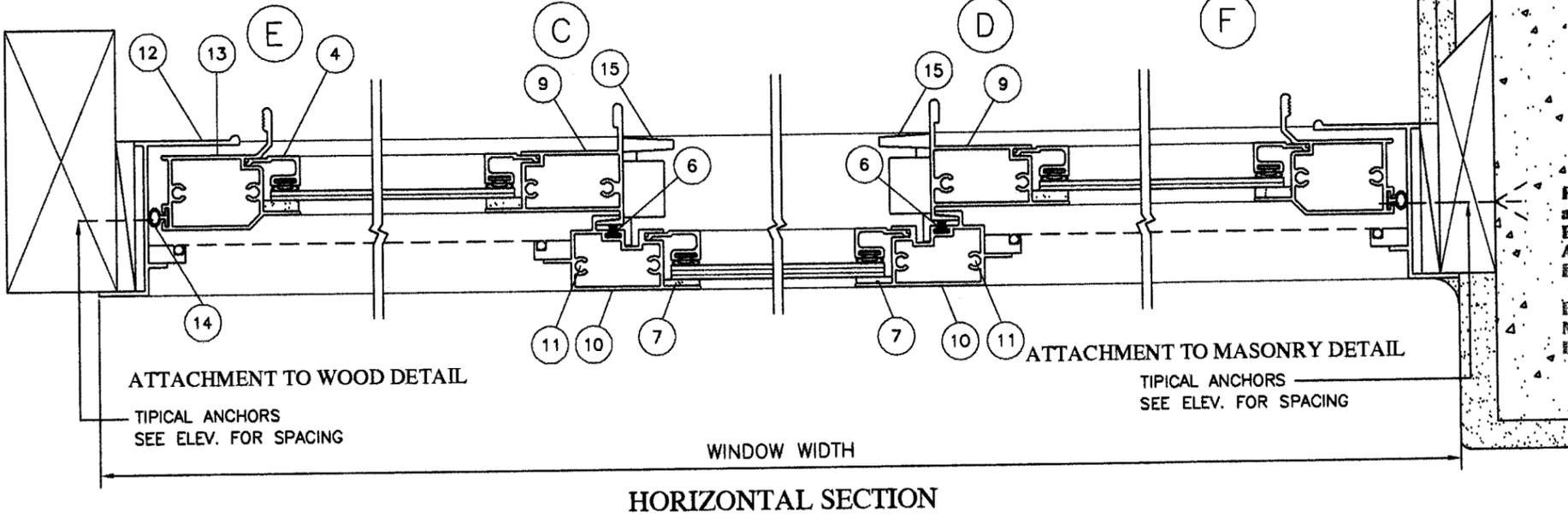
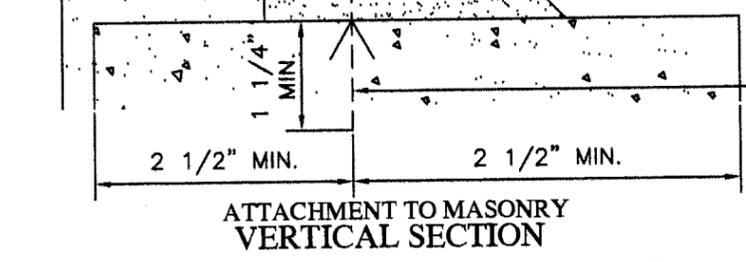
ATTACHMENT TO PRECAST SILL
VERTICAL SECTION
WITH SILL RISER

* APPLIED HIGH SILL MAY BE USED ON ALL DIFFERENT
OPTIONS SHOWN ON VERTICAL SECTIONS.



GLAZING METHOD:
USE DOUBLE FACE ADHESIVE GLAZING TAPE
ON EXTERIOR.
EXTRUDED ALUMINUM SNAP ON GLAZING BEAD WITH
VINYL BULB ON INTERIOR.

WOOD BUCKS NOT BY SUNSHINE WINDOWS MUST
SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0514-02
Expiration Date AUG. 19, 2008
By *Manuel Perez*
Miami/Dade Product Control
Division

Francisco Hernandez
9-4-07
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

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Fax (305)553-7224

F

SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)

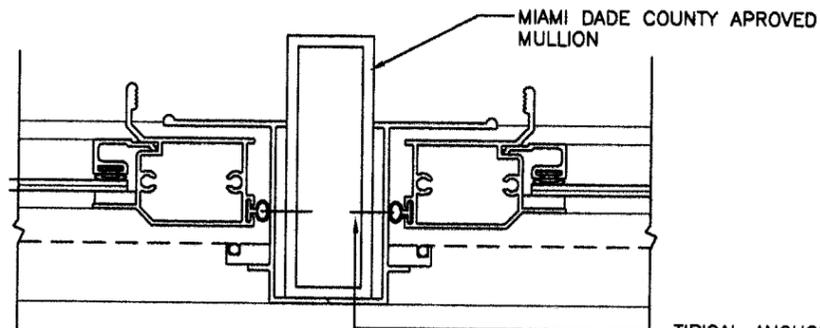
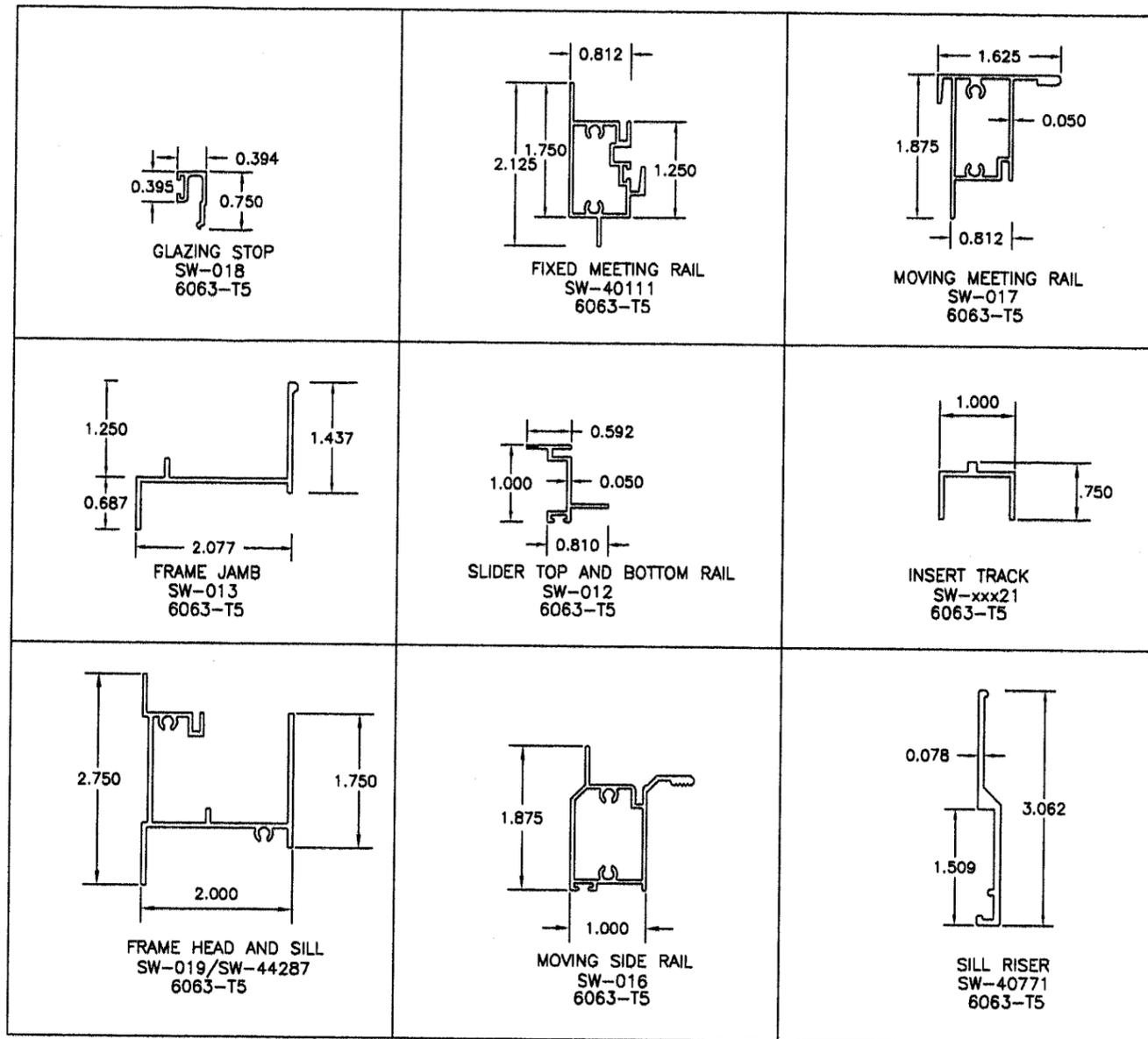
Drawn By: RF
Date: 7-31-07
Scale: 1/2"=1"
Revision: 9-4-07
Revision:

DRAWING NO.
HR07-02

SHEET
3 OF 4

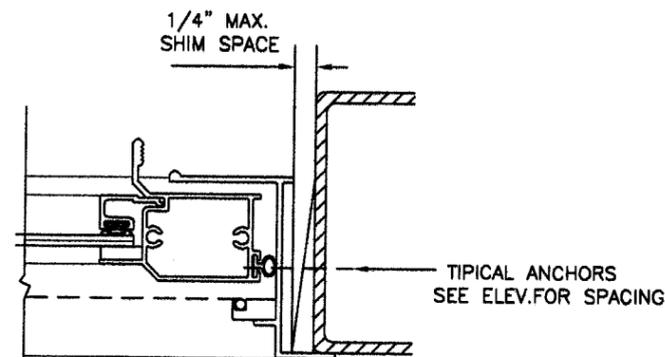
MATERIAL LIST

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

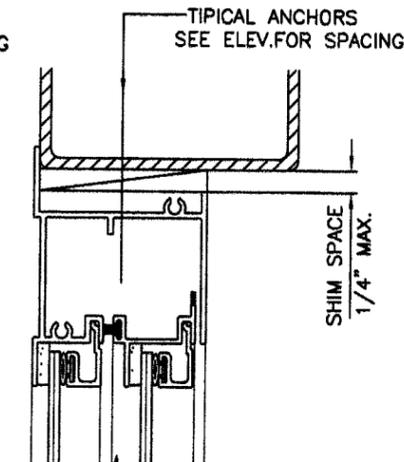


ATTACHMENT TO MULLIONS DETAIL

TYPICAL ANCHORS
SEE ELEV.FOR SPACING



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



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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0514.02
Expiration Date 06.19.2008

By *Manuel Hernandez*
Miami Dade Product Control
Division

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

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Manufacturing, Inc.

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Structural Engineering
15113 SW 35 TERR
Miami, Florida 33185
Phone (305) 277-6901
Fax (305)553-2224

SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)

Drawn By: RF
Date: 7-31-07
Scale: 1/2"=1"
Revision: 9-4-07
Revision:

DRAWING NO.
HR07-02

SHEET
4 OF 4