



**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**

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "1650" Aluminum Horizontal Sliding Window (XOX) Impact & Non-Impact

APPROVAL DOCUMENT: Drawing No. HS99-03, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX)", sheets 1 through 5, prepared, signed and sealed by Francisco Hernandez, P.E., dated 3/26/00, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact and Non-Impact

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 **renews NOA # 00-0524.01** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Raul Rodriguez**.



**NOA No 02-0506.01
Expiration Date: August 19, 2007
Approval Date: June 13, 2002
Page 1**

DESIGN PRESSURE CHART - PSF

SERIES-1650

ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)

1/4" TEMPERED GLASS AT VENTS AND FIXED

STANDARD SIZES	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"	5	3	46.7	215.9	70.0	215.9		
	106 1/4"		7		46.7	197.7	70.0	197.7		
	111"		7		46.7	188.1	70.0	188.1		
	STANDARD SIZES	74"	38 3/8"	5	4	46.7	162.8	70.0	162.8	
		106 1/4"		7		46.7	143.5	70.0	143.5	
		111"		7		46.7	136.0	70.0	136.0	
		STANDARD SIZES	74"	50 5/8"	5	5	46.7	119.6	70.0	119.6
			106 1/4"		7		46.7	105.0	70.0	105.0
			111"		7		46.7	103.8	70.0	103.8
	MODULAR SIZES		74"	63"	5	5	46.7	85.6	70.0	85.6
			106 1/4"		7		46.7	70.5	70.0	70.5
			111"		7		46.7	69.3	69.3	69.3
MODULAR SIZES		72"	24"	5	3	46.7	237.7	70.0	237.7	
		84"		6		46.7	237.7	70.0	237.7	
		98"		7		46.7	237.7	70.0	237.7	
		108"		7		46.7	208.0	70.0	208.0	
MODULAR SIZES		72"	36"	5	4	46.7	176.1	70.0	176.1	
		84"		6		46.7	172.9	70.0	172.9	
		98"		7		46.7	170.7	70.0	170.7	
		108"		7		46.7	147.9	70.0	147.9	
MODULAR SIZES		72"	48"	5	4	46.7	132.2	70.0	132.2	
	84"	6		46.7		124.0	70.0	124.0		
	98"	7		46.7		119.3	70.0	119.3		
	108"	7		46.7		115.6	70.0	115.6		
MODULAR SIZES	72"	60"	5	5	46.7	93.5	70.0	93.5		
	84"		6		46.7	85.4	70.0	85.4		
	98"		7		46.7	79.9	70.0	79.9		
	108"		7		46.7	76.3	70.0	76.3		

TEST SIZE= 111" X 63" (XOX)

TEST LOADS

EXTERIOR PRESSURE +104.0 PSF
 INTERIOR PRESSURE -104.0 PSF

WATER INFILTRATION TEST
 7.0 PSF AND 10.5 PSF

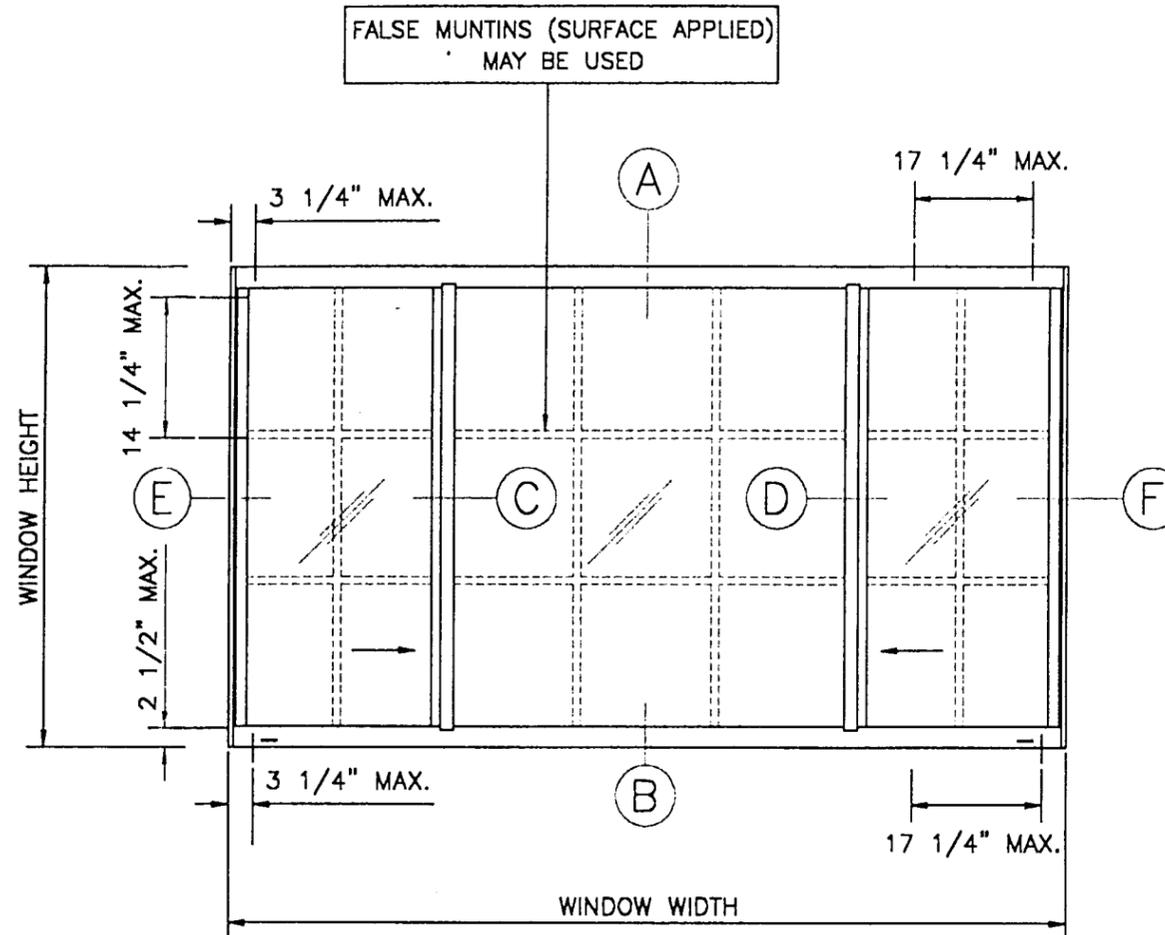
DESIGN LOADS

EXTERIOR PRESSURE +69.3 PSF
 INTERIOR PRESSURE -69.3 PSF

TESTED GLASS

1/4" TEMPERED AT VENTS
 1/4" TEMPERED AT FIXED

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE June 15, 2000
 BY Mmanuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0524.01



TYPICAL ELEVATION (XOX)

NOTE: FOR NUMBER OF ANCHORS REQUIRED FOR EACH UNIT SIZE REFER TO ANCHOR SCHEDULE COLUMN IN THE DESIGN PRESSURE CHART.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 0270506.01
 Expiration Date June 19, 2007
 By [Signature]
 Miami Dade Product Control
 Division

[Signature]
 3-26-00

FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

Sunshine Windows
 Manufacturing, Inc.

1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)384-9952
 Fax:(305)828-5118

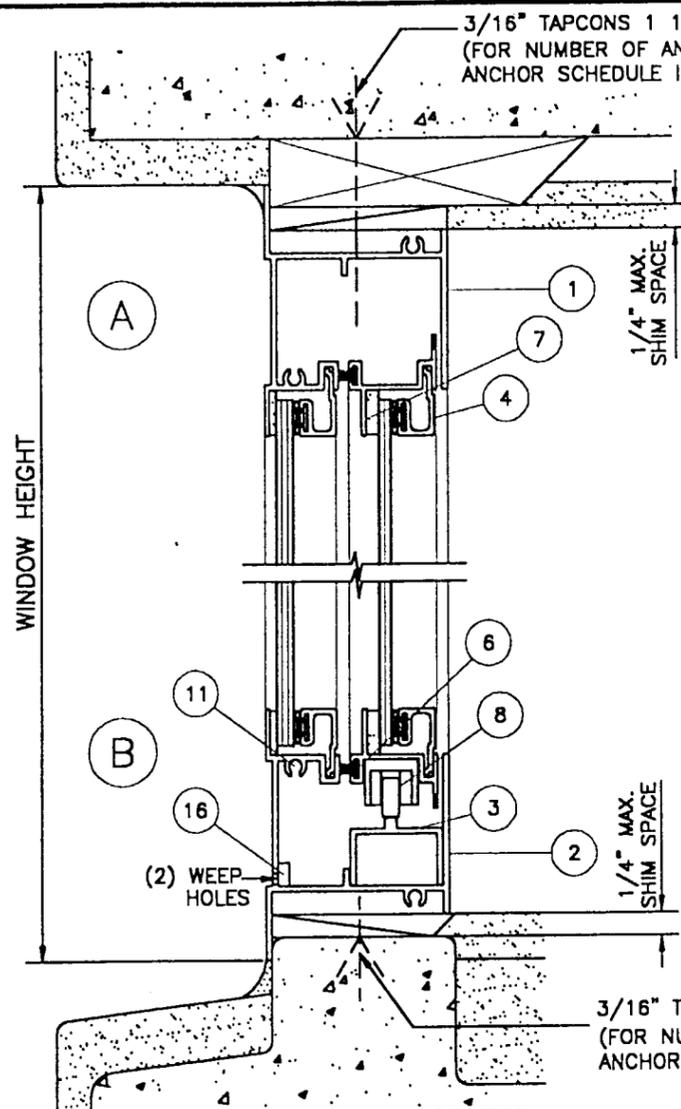
FRANCISCO HERNANDEZ P. E.
 Structural Engineering
 351 NW 82nd AVE #1118
 Miami, Florida 33126
 Phone (305) 266-8670
 Fax (305) 266-3427

SERIES 1650 ALUMINUM
 HORIZONTAL SLIDING WINDOW (XOX)

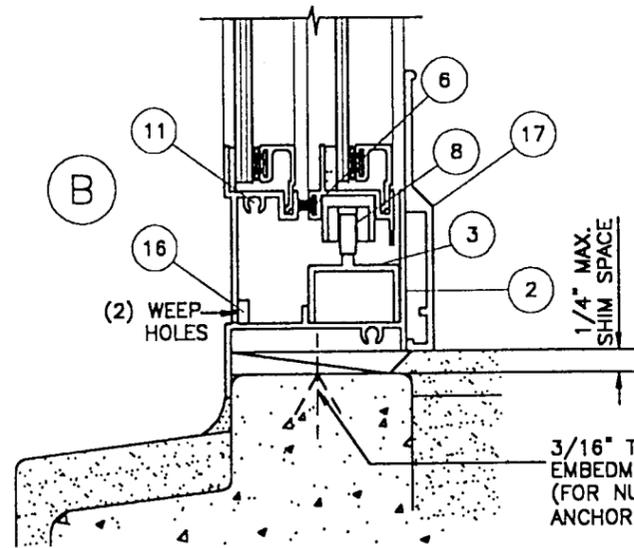
Drawn By: JN
 Date: 3-9-99
 Scale: 1/2"=1'
 Revision: 3-25-00
 Revision:

DRAWING NO.
 HS99-03

SHEET
 2 OF 5

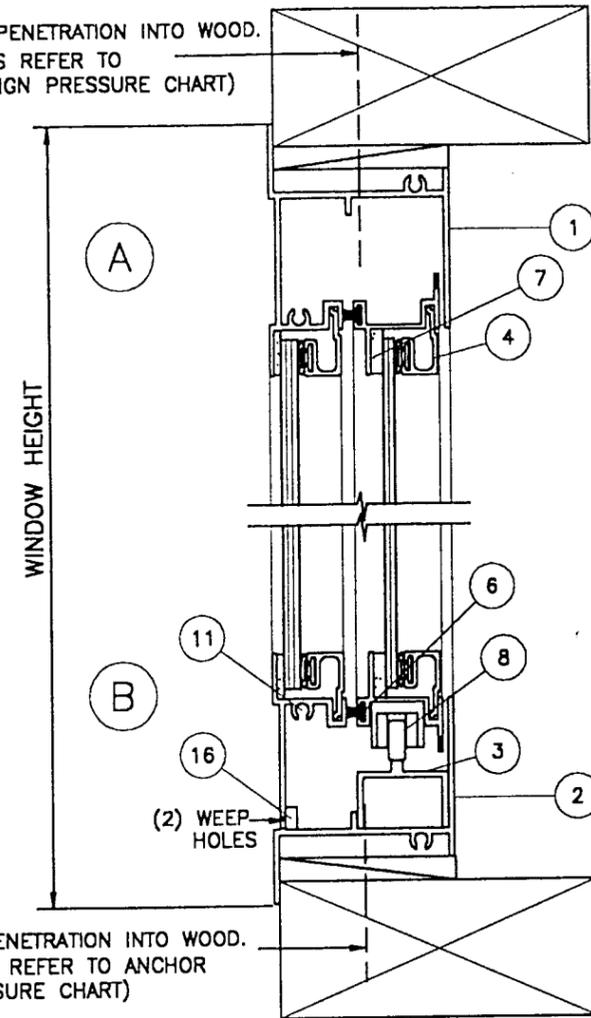


ATTACHMENT TO MASONRY
VERTICAL SECTION



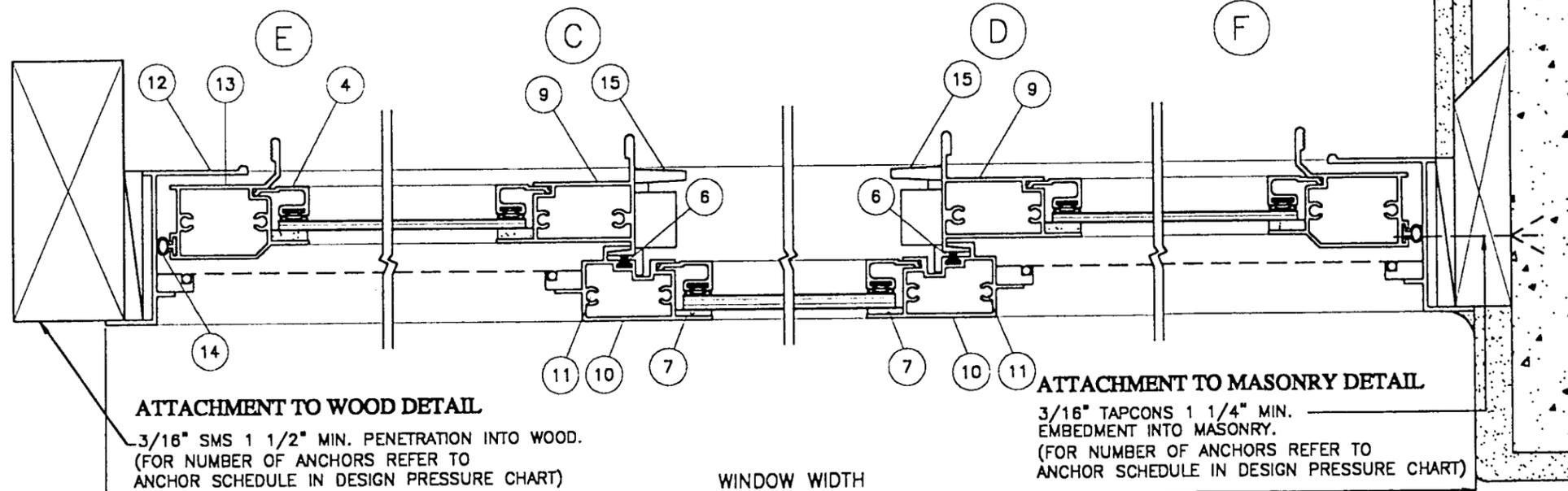
VERTICAL SECTION
WITH SILL RISER

3/16" SMS 1 1/2" MIN. PENETRATION INTO WOOD.
(FOR NUMBER OF ANCHORS REFER TO
ANCHOR SCHEDULE IN DESIGN PRESSURE CHART)



ATTACHMENT TO WOOD
VERTICAL SECTION

3/16" SMS 1 1/2" MIN. PENETRATION INTO WOOD.
(FOR NUMBER OF ANCHORS REFER TO ANCHOR
SCHEDULE IN DESIGN PRESSURE CHART)



ATTACHMENT TO WOOD DETAIL

3/16" SMS 1 1/2" MIN. PENETRATION INTO WOOD.
(FOR NUMBER OF ANCHORS REFER TO
ANCHOR SCHEDULE IN DESIGN PRESSURE CHART)

ATTACHMENT TO MASONRY DETAIL

3/16" TAPCONS 1 1/4" MIN.
EMBEDMENT INTO MASONRY.
(FOR NUMBER OF ANCHORS REFER TO
ANCHOR SCHEDULE IN DESIGN PRESSURE CHART)

GLAZING METHOD:

USE ADHESIVE BEDDING COMPOUND AND GLAZING
FOAM 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.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 15, 2009
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0524-01

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0506.01
Expiration Date Aug 01, 2007
BY [Signature]
Miami Dade Product Control
Division

7-26-00

**HORIZONTAL SECTION
HORIZONTAL SLIDING WINDOW SECTIONS**

FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Sunshine Windows
Manufacturing, Inc.

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

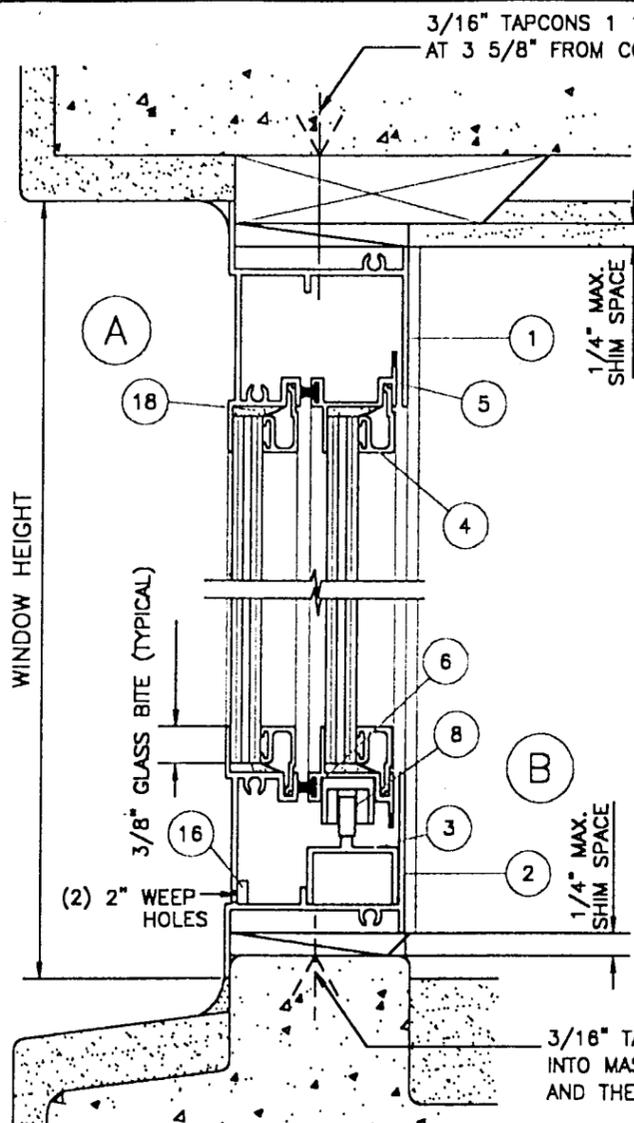
FRANCISCO HERNANDEZ P. E.
Structural Engineering
351 NW 82nd AVE #1118
Miami, Florida 33126
Phone (305) 266 8670
Fax (305) 266 3427

SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)

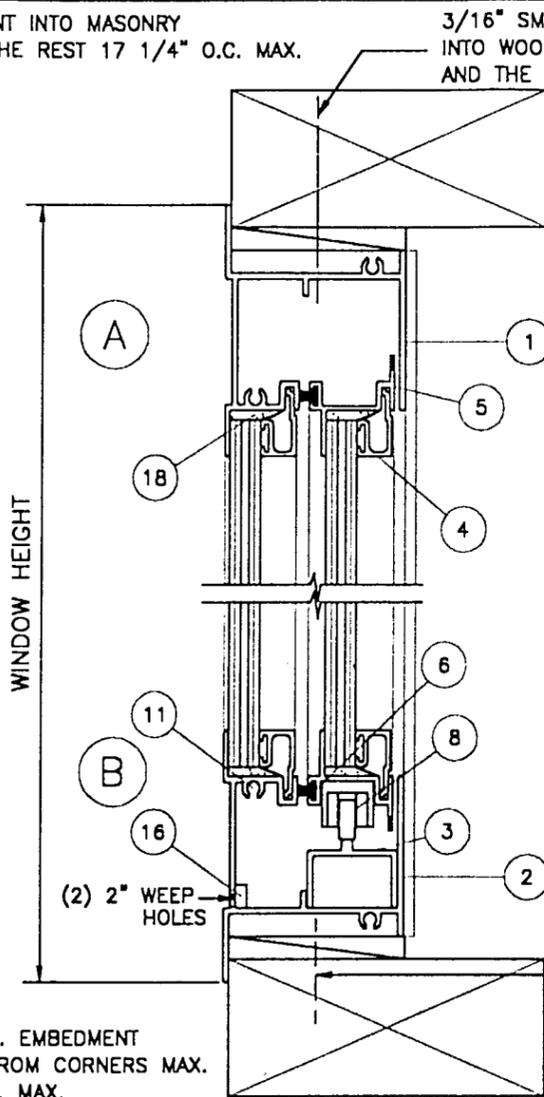
Drawn By: JN
Date: 3-9-99
Scale: 1/2"=1"
Revision: 3-25-00
Revision: _____

DRAWING NO.
HS99-03

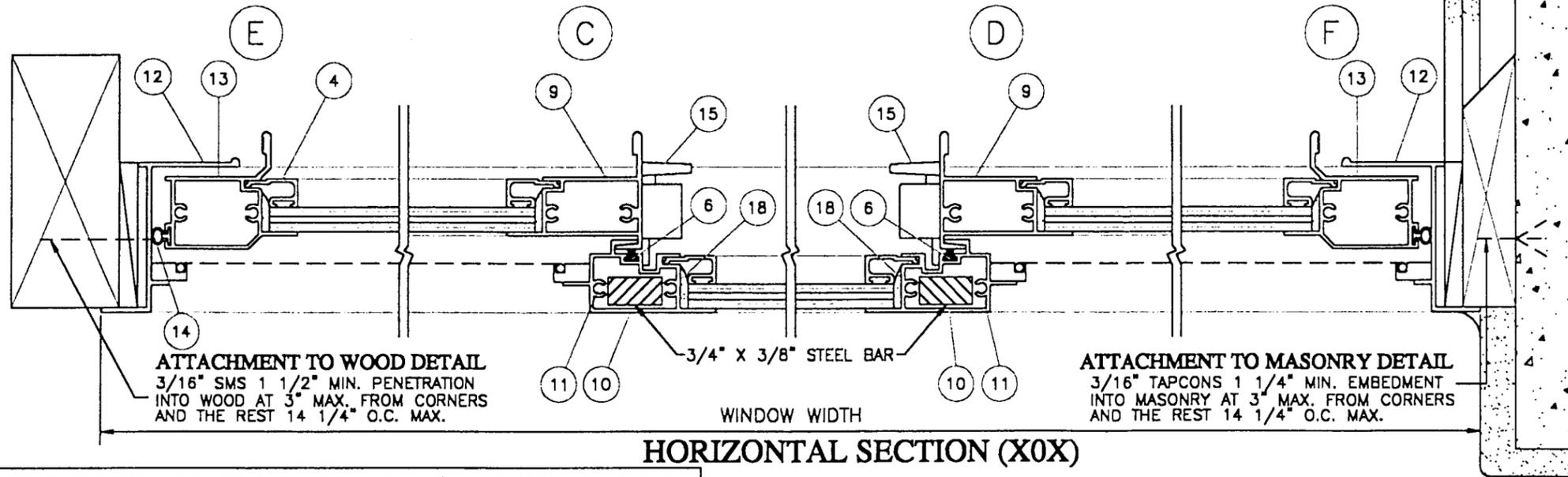
SHEET
3 OF 5



ATTACHMENT TO MASONRY
VERTICAL SECTION



ATTACHMENT TO WOOD
VERTICAL SECTION



HORIZONTAL SECTION (XOX)

DESIGN PRESSURE RATING + 60.0 PSF -60.0 PSF
FOR ALL WINDOW SIZES EQUAL OR SMALLER THAN TEST UNIT

LARGE MISSILES IMPACT WINDOW

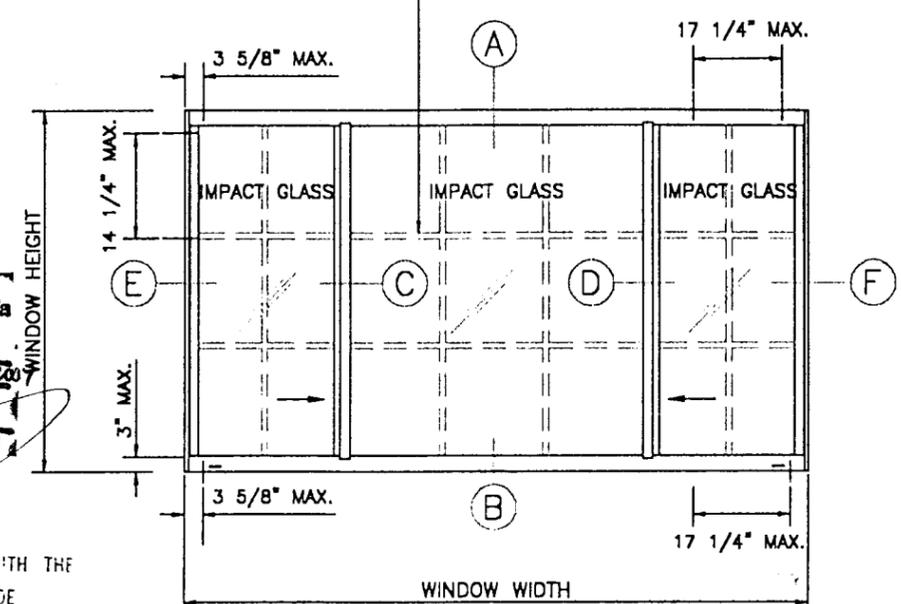
3/16" SMS 1 1/2" MIN. PENETRATION INTO WOOD AT 3 5/8" FROM CORNERS MAX. AND THE REST 17 1/4" O.C. MAX.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 02-0506-01
Expiration Date August 19, 2007
By [Signature]
Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 15, 2000
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0524-01

3/16" SMS 1 1/2" MIN. PENETRATION INTO WOOD AT 3 5/8" FROM CORNERS MAX. AND THE REST 17 1/4" O.C. MAX.

FALSE MUNTINS (SURFACE APPLIED) MAY BE USED



TYPICAL ELEVATION (XOX)

BASED ON FTL-1835 DATED 8-4-98
TEST SIZE= 111" X 63" (XOX)
TEST LOADS= +90.0 -90.0 PSF
DESIGN LOADS= +60.0 -60.0 PSF
WATER INFILTRATION TEST= 9.0 PSF
TESTED GLASS= 3/8" HEAT STRENGTHENED LAMINATED
CYCLIC WIND LOAD TEST= +60.0 -60.0 PSF

HURRICANE RESISTANT SHUTTERS ARE NOT REQUIRED

GLAZING :

MATERIAL :

3/8" OVERALL LAMINATED GLASS USING TWO LIGHTS OF 1/8" HEAT STRENGTHENED GLASS WITH AN 0.010" INTERLAYER FILM, GLASSLAM SAFETY PLUS, AND 3/8" WIDE CLOSED CELL FOAM, FRANK LOWE RUBBER AND GASKET S-10, ON EACH SIDE OF FILM AT PERIMETER EDGE.

METHOD :

INTERIOR GLAZED WITH 3/8" GLAZING PENETRATION USING A CLEAR COLORED ADHESIVE BEDDING COMPOUND SCHNEE MOREHEAD 5731 AND DOW CORNING 795, AND AN EXTRUDED ALUMINUM SNAP ON GLAZING BEAD. GLAZING BEAD FASTENED TO FRAME WITH TWO NO. 8 BY 3/4" PHSMS PER BEAD.

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

[Signature]
3-26-00

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HORIZONTAL SLIDING WINDOW (XOX)

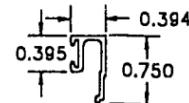
Drawn By: JN
Date: 3-9-99
Scale: 1/2" = 1"
Revision: 3-25-00
Revision: _____

DRAWING NO.
HS99-03

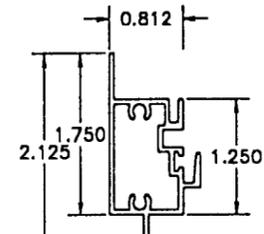
SHEET
4 OF 5

MATERIAL LIST

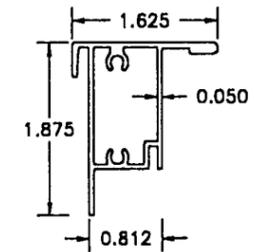
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-019	1	FRAME HEAD	6063-T5
2	SW-019	1	FRAME SILL	6063-T5
3	SWxxx21	1	INSERT TRACK	6063-T5
4	SW-018	AS RQD	GLAZING BEAD	6063-T5
5	SW-012	2/VENT	SLIDER TOP/BOTTOM RAIL	6063-T5
6	SW3019	AS RQD	FIN SEAL PILE	FELT
7	SW1520	AS RQD	GLAZING TAPE	FOAM
8	SW321W	2/VENT	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
18	-	AS RQD	SILICONE	DC-795/SM-5731



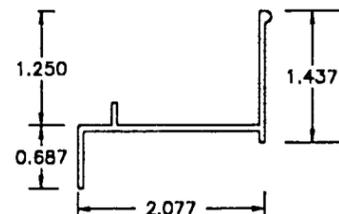
GLAZING STOP
SW-018
6063-T5



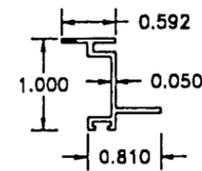
FIXED MEETING RAIL
SW-40111
6063-T5



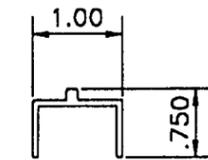
MOVING MEETING RAIL
SW-017
6063-T5



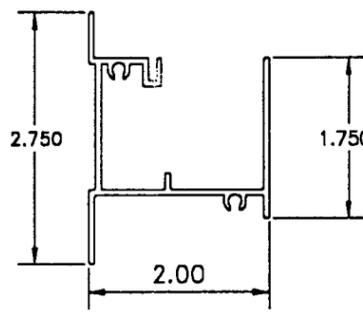
FRAME JAMB
SW-013
6063-T5



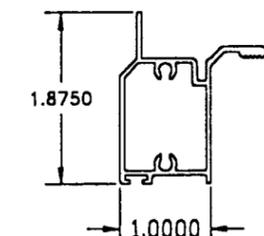
SLIDER TOP AND BOTTOM RAIL
SW-012
6063-T5



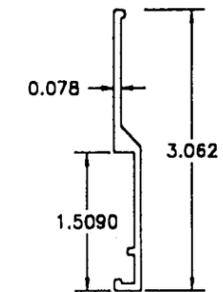
INSERT TRACK
SW-xxx21
6063-T5



FRAME HEAD AND SILL
SW-019/SW-44287
6063-T5



MOVING SIDE RAIL
SW-016
6063-T5



SILL RISER
SW-40771
6063-T5

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**SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)**

Drawn By: JN
Date: 3-9-99
Scale: 1/2"=1"
Revision: 3-25-00
Revision: _____

DRAWING NO.
HS99-03

SHEET
5 OF 5

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0506.01
Expiration Date August 19, 2007
By [Signature]
Miami Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 15, 2009
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0524-01

[Signature] 3-26-00

FRANCISCO HERNANDEZ
FLORIDA PE # 51393