



**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 MFG., 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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "2000" Aluminum Single Hung Window**

**APPROVAL DOCUMENT:** Drawing No. SH98-04, titled "Series 2000 Aluminum Single Hung Window", sheets 1 through 5, prepared, signed and sealed by Francisco Hernandez, P.E., dated 3/25/99, 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, Small and None Missile 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 # 00-0403.07 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Raul Rodriguez**.



**NOA No 02-0212.02  
Expiration Date: April 22, 2007  
Approval Date: March 21, 2002  
Page 1**

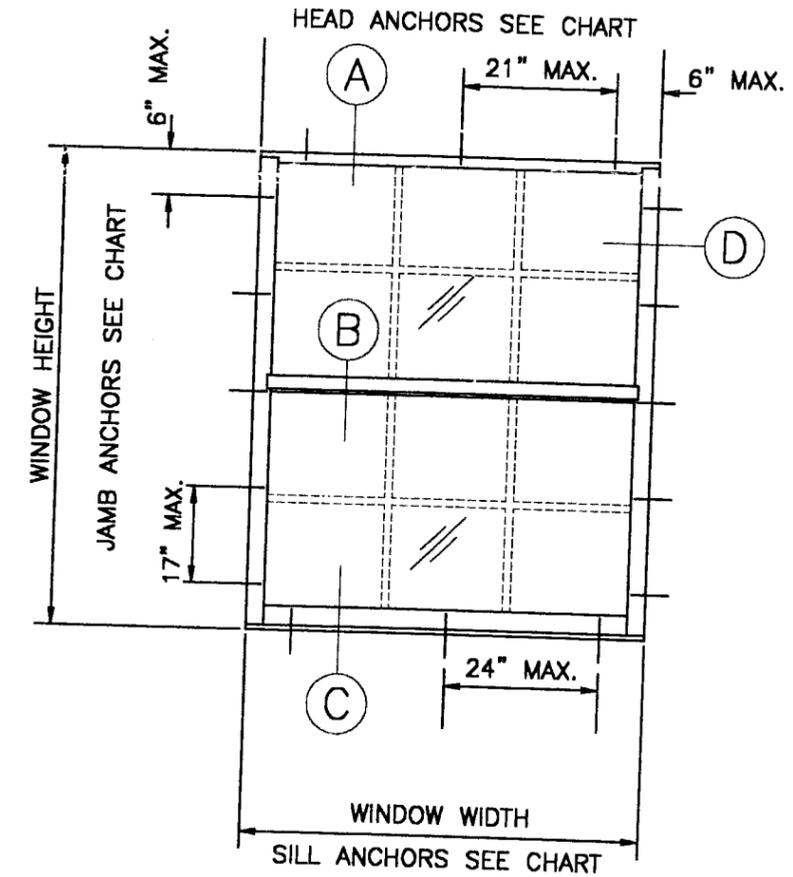
**DESIGN PRESSURE CHART - PSF**  
**SERIES-2000 ALUMINUM SINGLE HUNG WINDOW**  
**HURRICANE PROTECTION IS REQUIRED**

WINDOW DIMENSION		ANCHOR SCHEDULE		LIGHT DUTY				MEDIUM DUTY				HEAVY DUTY (W/ STEEL REINFORCEMENT)							
				3/16" TAPCONS				3/16"-ANNEALED GLASS				3/16"-ANNEALED GLASS				1/4"-ANN. GLASS			
				DSB-ANN. GLASS		3/16" ANN. GLASS		3/16" TAPCONS		1/4" TAPCONS		3/16" TAPCONS		1/4" TAPCONS		1/4" TAPCONS			
WIDTH	HEIGHT	PER HEAD AND SILL	PER JAMB	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.				
19 1/8"	26"	2	3	60.7	67.5	60.7	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	184.8		
26 1/2"				60.7	67.5	60.7	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	184.8
37"				60.7	67.5	60.7	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	184.8
53 1/8"				60.7	67.5	60.7	88.7	98.0	113.1	98.0	122.5	98.0	113.1	98.0	122.5	98.0	122.5	98.0	184.8
19 1/8"	38 3/8"	2	3	60.7	67.5	60.7	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	184.8		
26 1/2"				60.7	67.5	60.7	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	184.8
37"				60.7	67.5	60.7	108.8	98.0	120.3	98.0	122.5	98.0	120.3	98.0	122.5	98.0	122.5	98.0	184.8
53 1/8"				60.7	64.8	60.7	64.8	90.6	90.6	97.1	97.1	90.6	90.6	98.0	122.5	98.0	144.3		
19 1/8"	50 5/8"	2	4	60.7	67.5	60.7	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	184.8		
26 1/2"				60.7	67.5	60.7	119.1	98.0	119.1	98.0	122.5	98.0	119.1	98.0	122.5	98.0	122.5	98.0	184.8
37"				60.7	67.5	60.7	94.7	98.0	99.2	98.0	122.5	98.0	99.2	98.0	122.5	98.0	122.5	98.0	184.8
53 1/8"				52.6	52.6	53.2	53.2	79.8	79.8	79.8	79.8	83.8	83.8	95.5	95.5	98.0	118.5		
19 1/8"	63"	2	5	60.7	67.5	60.7	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	122.5	98.0	184.8		
26 1/2"				60.7	67.5	60.7	111.9	98.0	111.9	98.0	122.5	98.0	111.9	98.0	122.5	98.0	122.5	98.0	184.8
37"				60.7	61.5	60.7	89.5	89.6	89.6	98.0	111.6	89.6	89.6	98.0	111.6	98.0	168.3		
53 1/8"				41.3	41.3	46.7	46.7	70.0	70.0	70.0	70.0	74.9	74.9	74.9	74.9	98.0	104.0		
19 1/8"	74 1/4"	2	5	60.7	67.5	60.7	119.2	98.0	119.2	98.0	122.5	98.0	119.2	98.0	122.5	98.0	184.8		
26 1/2"				60.7	67.5	60.7	91.2	91.2	91.2	98.0	122.5	91.2	91.2	98.0	122.5	98.0	184.8		
37"				51.4	51.4	60.7	71.5	71.5	71.5	93.3	93.3	71.5	71.5	93.3	93.3	98.0	140.8		

BASED ON MTL-16143 DATED 7-12-94  
 TEST SIZE= 53 1/8" X 63" (1 OVER 1)  
 TEST LOADS= +70.0 -70.0 PSF  
 DESIGN LOADS= +48.7 -48.7 PSF  
 WATER INFILTRATION TEST= 8.1 PSF  
 TESTED GLASS= DSB ANNEALED

BASED ON MTL-16175 DATED 7-12-94  
 TEST SIZE= 53 1/8" X 63" (1 OVER 1)  
 TEST LOADS= +105.0 -105.0 PSF  
 DESIGN LOADS= +70.0 -70.0 PSF  
 WATER INFILTRATION TEST= 14.7 PSF  
 TESTED GLASS= 3/16" ANNEALED

BASED ON MTL-16176 DATED 7-12-94  
 TEST SIZE= 53 1/8" X 63" (1 OVER 1)  
 TEST LOADS= +156.0 -156.0 PSF  
 DESIGN LOADS= +88.0 -104.0 PSF  
 WATER INFILTRATION TEST= 14.7 PSF  
 TESTED GLASS= 3/16" ANNEALED



**TYPICAL ELEVATION 1 OVER 1**

FALSE MUNTINS (SURFACE APPLIED) MAY BE USED

**PRODUCT RENEWED**

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE June 02, 2000  
 BY Maurice Serey  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-0403-07

ACCEPTANCE No. 02-021207  
 EXPIRATION DATE April 23, 2007  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

Fell  
 3-25-00  
 FRANCISCO HERNANDEZ  
 FL. PE# 51393

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

DRAWING NO.  
SH98-04

SHEET  
1 OF 5

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

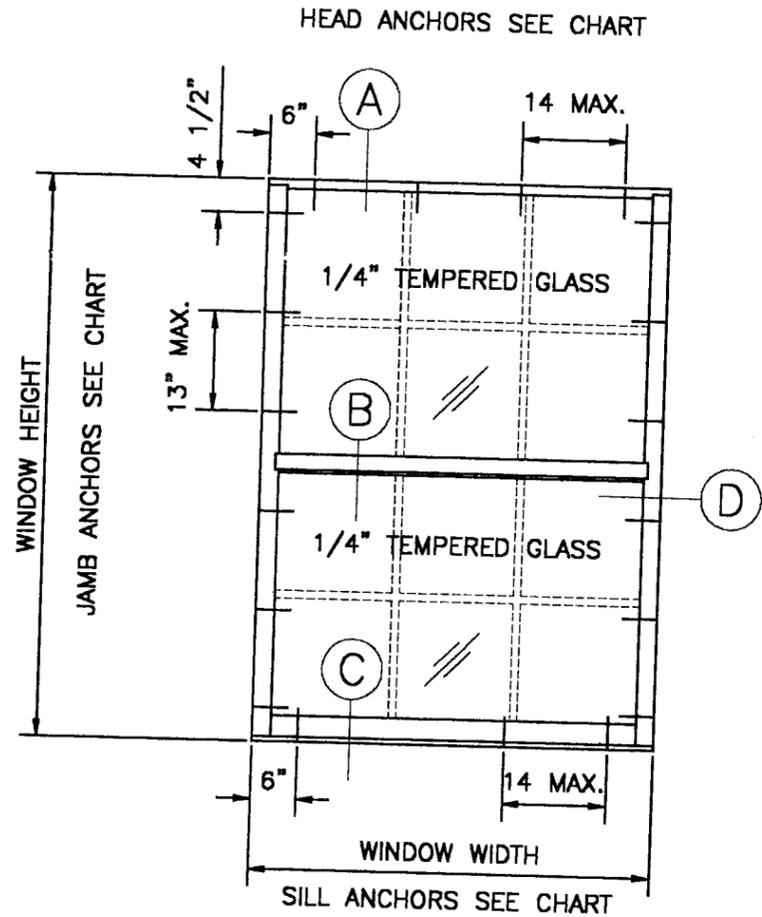
**SERIES 2000 ALUMINUM SINGLE HUNG WINDOW**

**DESIGN PRESSURE CHART - PSF**

**SERIES-2000 ALUMINUM SINGLE HUNG WINDOW**

WINDOW DIMENSION		ANCHOR SCHEDULE		1/4" TEMPERED GLASS FOR LIGHT, MEDIUM AND HEAVY DUTY WINDOWS									
				HURRICANE PROTECTION IS REQUIRED									
WIDTH		HEIGHT		PER HEAD AND SILL		STANDARD SILL		3" HIGH SILL					
						3/16" TAPCONS		1/4" TAPCONS		3/16" TAPCONS		1/4" TAPCONS	
						EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.
19 1/8"	26"	2	3	66.7	281.4	66.7	300.0	75.0	281.4	75.0	300.0		
26 1/2"		2		66.7	252.1	66.7	300.0	75.0	252.1	75.0	300.0		
37"		3		66.7	141.8	66.7	246.6	75.0	141.8	75.0	246.6		
53 1/8"		4		66.7	113.1	66.7	154.0	75.0	113.1	75.0	154.0		
19 1/8"	38 3/8"	2	4	66.7	214.0	66.7	300.0	75.0	214.0	75.0	300.0		
26 1/2"		2		66.7	177.2	66.7	300.0	75.0	177.2	75.0	300.0		
37"		3		66.7	129.3	66.7	188.9	75.0	129.3	75.0	188.9		
53 1/8"		4		66.7	90.6	66.7	112.4	75.0	90.6	75.0	112.4		
19 1/8"	50 5/8"	2	5	66.7	187.7	66.7	300.0	75.0	187.7	75.0	300.0		
26 1/2"		2		66.7	148.9	66.7	300.0	75.0	148.9	75.0	300.0		
37"		3		66.7	124.0	66.7	164.4	75.0	124.0	75.0	164.4		
53 1/8"		4		66.7	83.8	66.7	92.3	75.0	83.8	75.0	92.3		
19 1/8"	63"	2	6	66.7	173.2	66.7	300.0	75.0	173.2	75.0	300.0		
26 1/2"		2		66.7	134.2	66.7	300.0	75.0	134.2	75.0	300.0		
37"		3		66.7	107.5	66.7	155.4	75.0	107.5	75.0	155.4		
53 1/8"		4		66.7	81.0	66.7	81.0	75.0	81.0	75.0	81.0		
19 1/8"	74 1/4"	2	6	66.7	143.0	66.7	300.0	75.0	143.0	75.0	300.0		
26 1/2"		2		66.7	109.5	66.7	251.6	75.0	109.5	75.0	251.6		
37"		3		66.7	85.8	66.7	155.0	75.0	85.8	75.0	155.0		
53 1/8"		4		66.7	69.8	66.7	75.0	75.0	69.8	75.0	75.0		

BASED ON FTL-1837 DATED 11-19-97  
 TEST SIZE= 53 1/8" X 74 1/4" (1 OVER 1)  
 TEST LOADS= +112.5 -112.5 PSF  
 DESIGN LOADS= +75.0 -75.0 PSF  
 WATER INFILTRATION TEST= 10.0 PSF WITH STD. SILL  
 11.3 PSF WITH 3" HIGH SILL  
 TESTED GLASS= 1/4" TEMPERED



**TYPICAL ELEVATION 1 OVER 1**

FALSE MUNTINS (SURFACE APPLIED) MAY BE USED

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE June 02 2000  
 BY Manuel Perez  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-0403.07

**PRODUCT RENEWED**  
 ACCEPTANCE No. 02-0217.02  
 EXPIRATION DATE April 22, 2007  
 By [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

[Signature]  
 3-25-00  
 FRANCISCO HERNANDEZ  
 FL. 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 2000 ALUMINUM SINGLE HUNG WINDOW**

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

DRAWING NO. SH98-04

SHEET 2 OF 5

**PRODUCT RENEWED**

ACCEPTANCE No. 02-0212.02

EXPIRATION DATE April 22, 2007

By *[Signature]*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

WOOD BUCKS NOT BY SUNSHINE WINDOWS,  
 MUST SUSTAIN LOADS IMPOSED BY GLAZING  
 SYSTEM AND TRANSFER THEM TO THE BUILDING  
 STRUCTURE

**MATERIAL LIST (VERTICAL SECTION)**

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-014	1	FRAME HEAD	6063-T5
2	SW-52101	1	FRAME SILL	6063-T5
4	SW-015	1	MEETING RAIL	6063-T5
5	SW-017	1	SASH TOP RAIL	6063-T5
6	SW-43355	1	SASH BOTTOM RAIL	6063-T5
7	SW-40771	1	3" RISER	6063-T5
9	SW-AS	14	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS
11	SW-667	2/VENT	LATCH	ZINC
12	SW-1820	AS RQD	SEAL PILE	FELT
13	SW-3257	AS RQD	WEATHER STRIP BULB	VINYL
14	SW-1520	AS RQD	GLAZING TAPE	FOAM
15	SW-018	AS RQD	GLAZING BEAD	6063-T5
17	SW-3082	AS RQD	WEATHER STRIP BULB	VINYL
18	SW-013	1	FRAME SILL/3" RISER	6063-T5
19	SW-40770	1	BOTTOM RAIL/3" RISER	6063-T5
20	SW-43353	2/VENT	LATCH BOTTOM RAIL	6063-T5

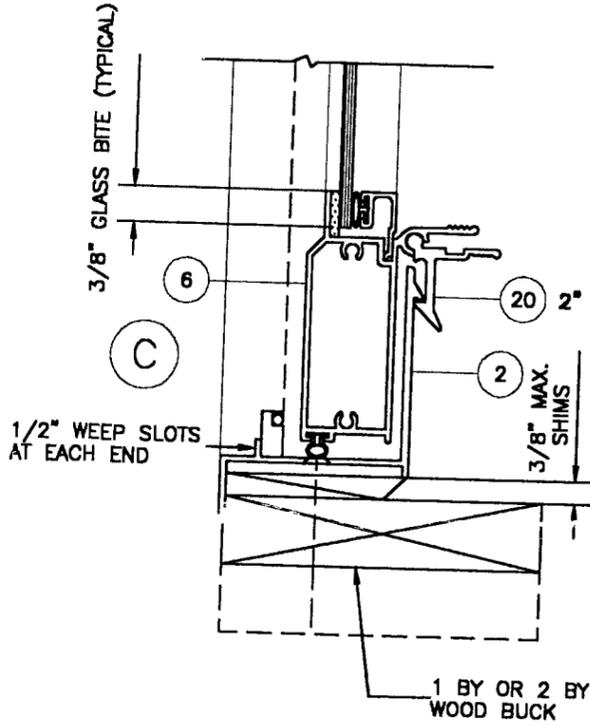
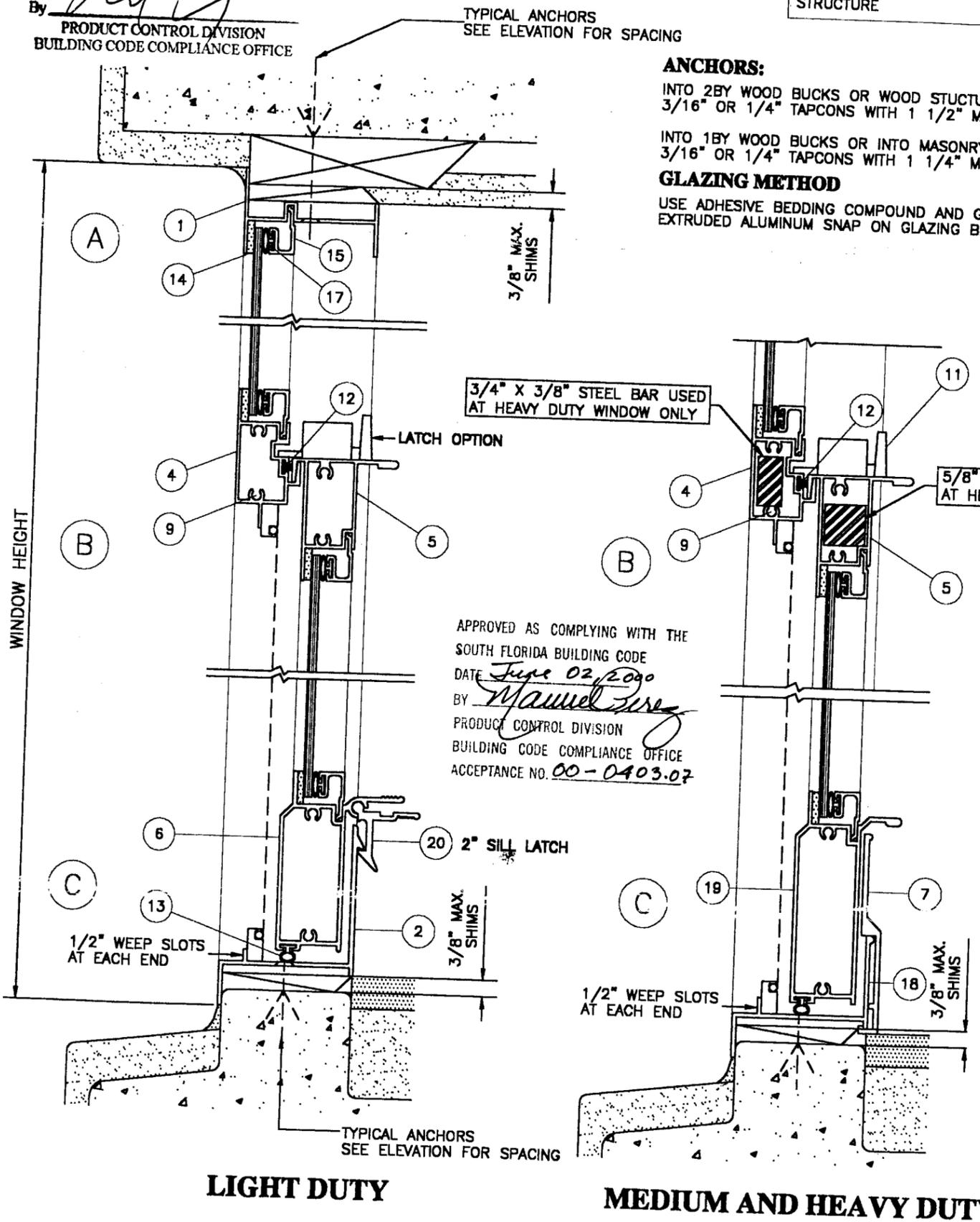
Sunshine Windows  
 Manufacturing, inc.  
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 Ph: (305)384-8952  
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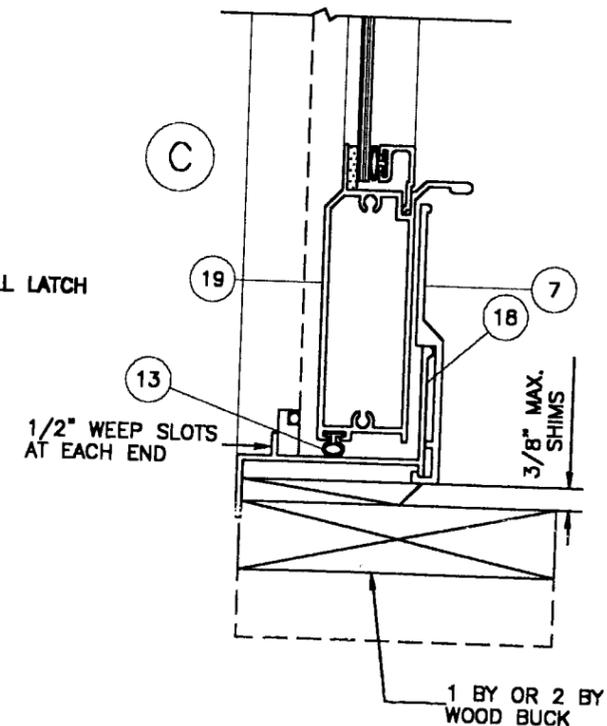
**SERIES 2000 ALUMINUM  
 SINGLE HUNG WINDOW**

**ANCHORS:**  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
 3/16" OR 1/4" TAPCONS WITH 1 1/2" MIN. PENETRATION INTO WOOD  
 INTO 1BY WOOD BUCKS OR INTO MASONRY  
 3/16" OR 1/4" TAPCONS WITH 1 1/4" MIN. EMBED INTO MASONRY

**GLAZING METHOD**  
 USE ADHESIVE BEDDING COMPOUND AND GLAZING FOAM TAPE ON EXTERIOR  
 EXTRUDED ALUMINUM SNAP ON GLAZING BEAD WITH VINYL BULB ON INTERIOR



**LIGHT DUTY**

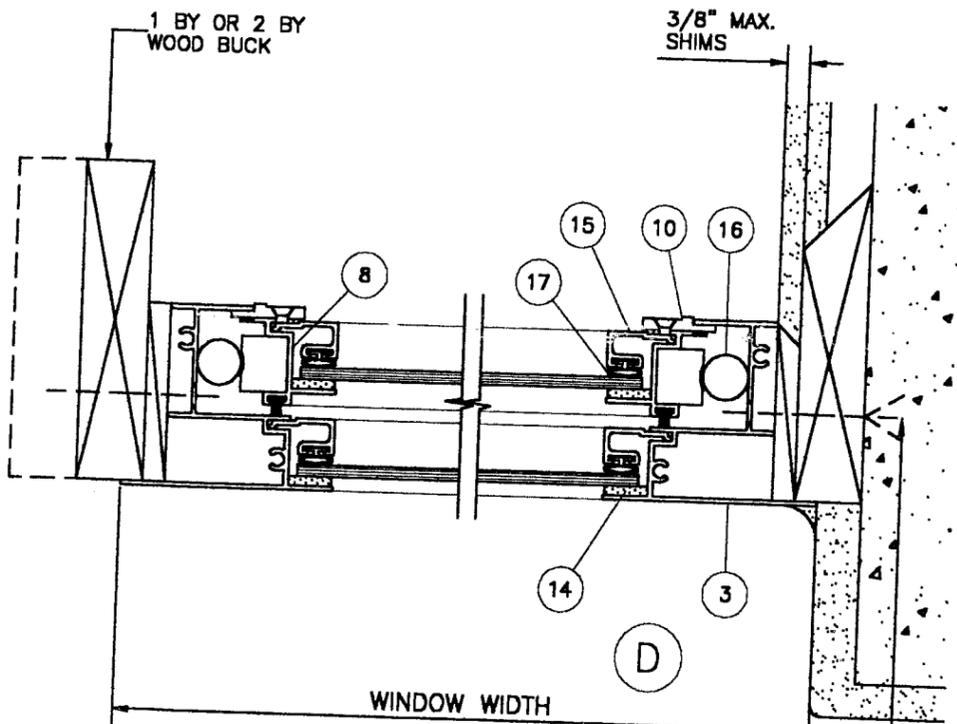


**MEDIUM AND HEAVY DUTY**

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE *June 02, 2000*  
 BY *Manuel Perez*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-0403.07

*[Signature]*  
 3-25-00  
 FRANCISCO HERNANDEZ  
 FL. PE# 51393

Drawn By: JN  
 Date: 3-25-99  
 Scale: 1/2"=1"  
 Revision:  
 Revision:  
 DRAWING NO.  
 SH98-04  
 SHEET  
 3 OF 5



HORIZONTAL SECTION

TYPICAL ANCHORS  
SEE ELEVATION AND  
CHART FOR SPACING

MATERIAL LIST (HORIZONTAL SECTION)

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
3	SW-011	2	FRAME JAMB	6063-T5
8	SW-012	2	SASH SIDE RAIL	6063-T5
10	SW-8202A	4/VENT	FACE GUIDES	NYLON
14	SW-1520	AS RQD	GLAZING TAPE	FOAM
15	SW-018	AS RQD	GLAZING BEAD	6063-T5
16	SW-540	2	SPIRAL BALANCE	ALUMINUM
17	SW-3082	AS RQD	WEATHER STRIP BULB	VINYL

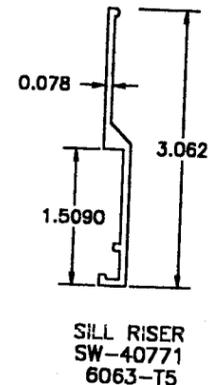
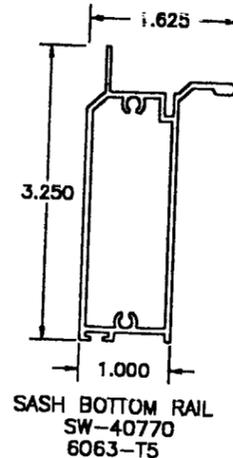
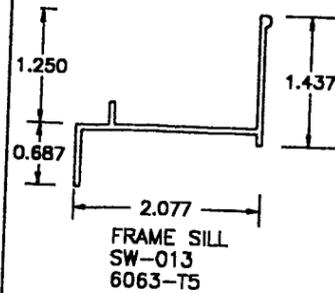
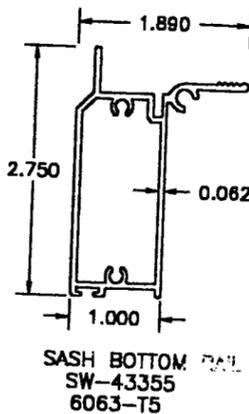
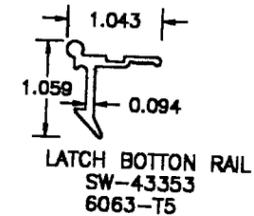
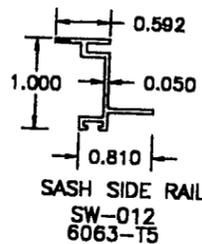
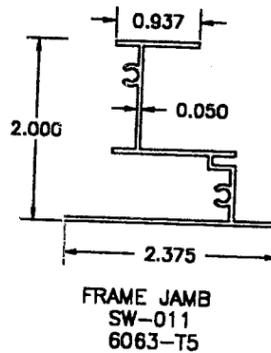
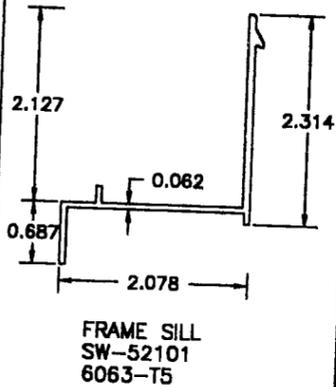
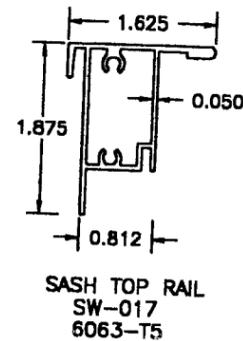
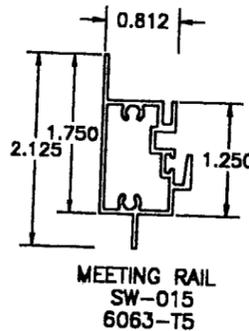
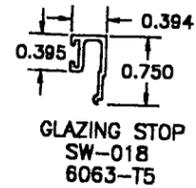
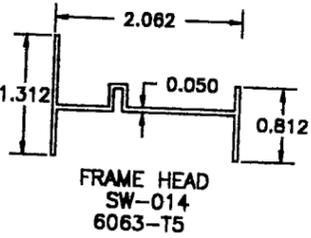
PRODUCT RENEWED

ACCEPTANCE No. 02-0212.02

EXPIRATION DATE April 22, 2007

By *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE June 02, 2000  
By *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0403-07



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SERIES 2000 ALUMINUM  
SINGLE HUNG WINDOW

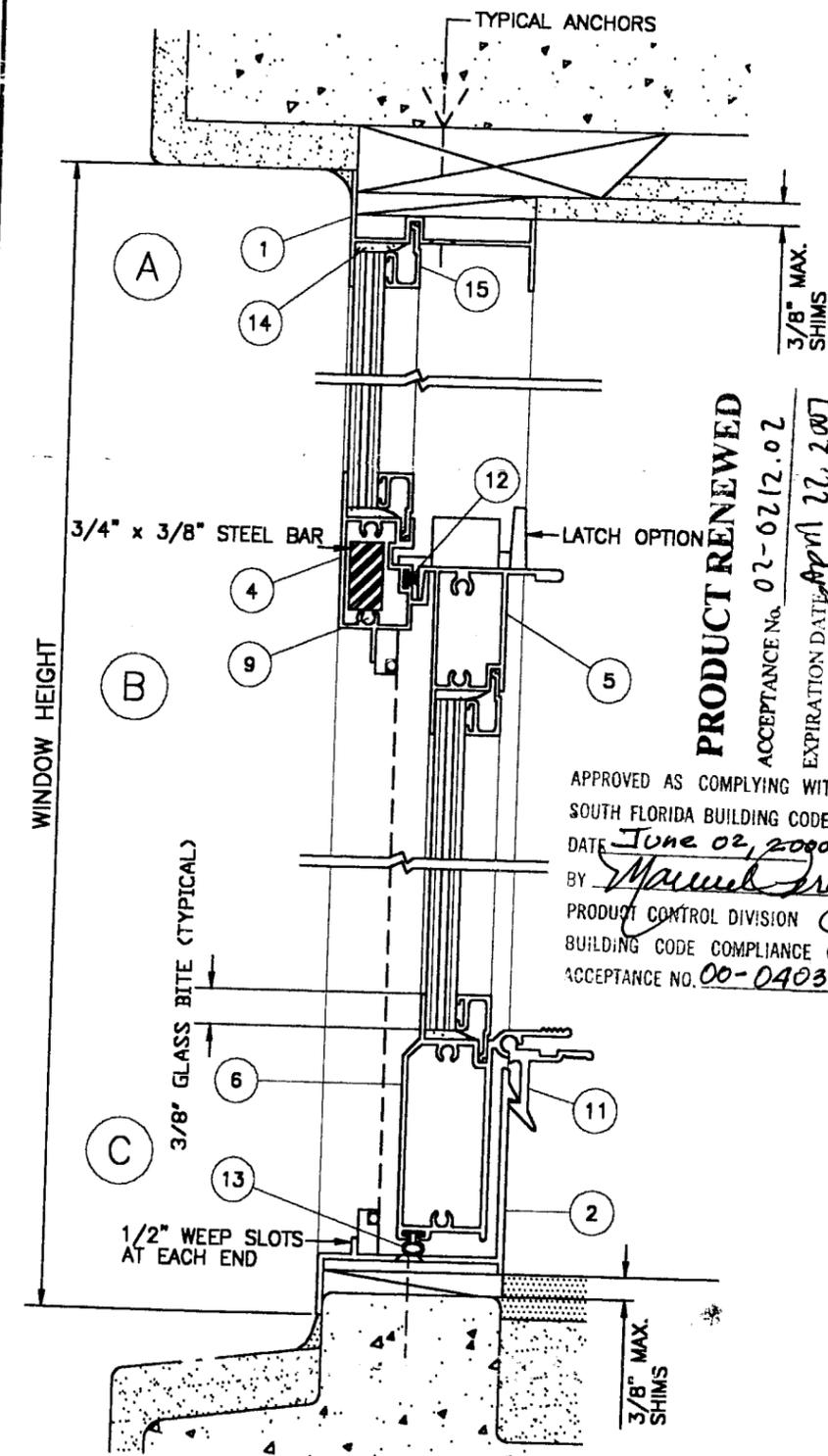
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Date: 3-25-99  
Scale: 1/2"=1"  
Revision: 3-25-00

*[Signature]*  
3-25-00

FRANCISCO HERNANDEZ  
FL PE# 51393

DRAWING NO.  
SH98-04

SHEET  
4 OF 5



**VERTICAL SECTION**

**DESIGN PRESSURE RATING + 70.0 PSF - 90.0 PSF  
FOR ALL WINDOW SIZES EQUAL OR SMALLER THAN TEST UNIT**

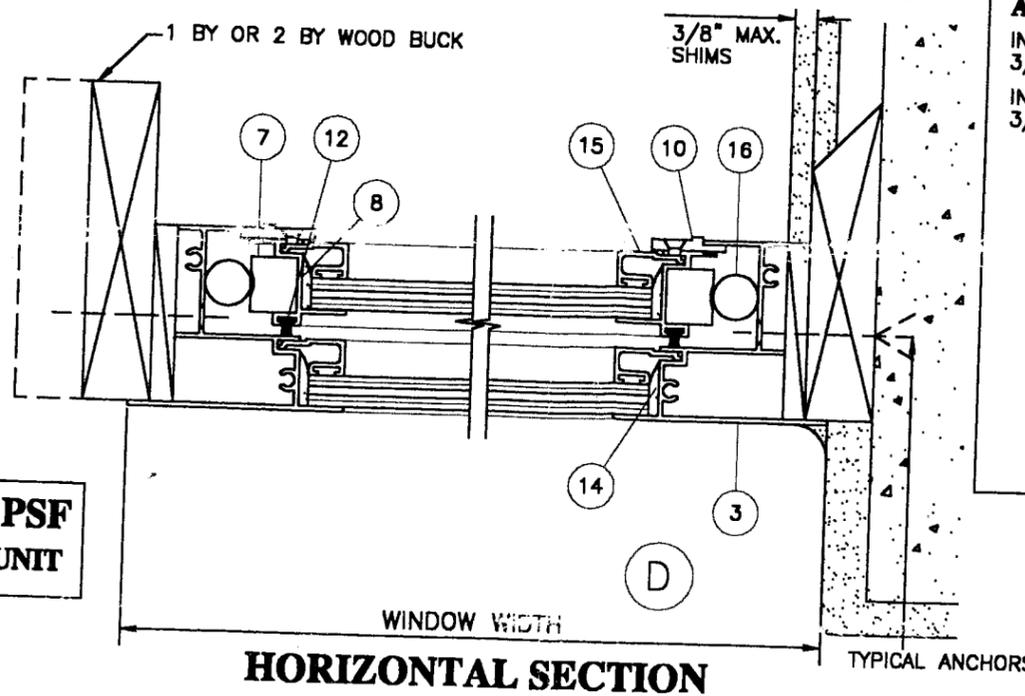
**IMPACT RESISTANT WINDOW**

**MATERIAL LIST**

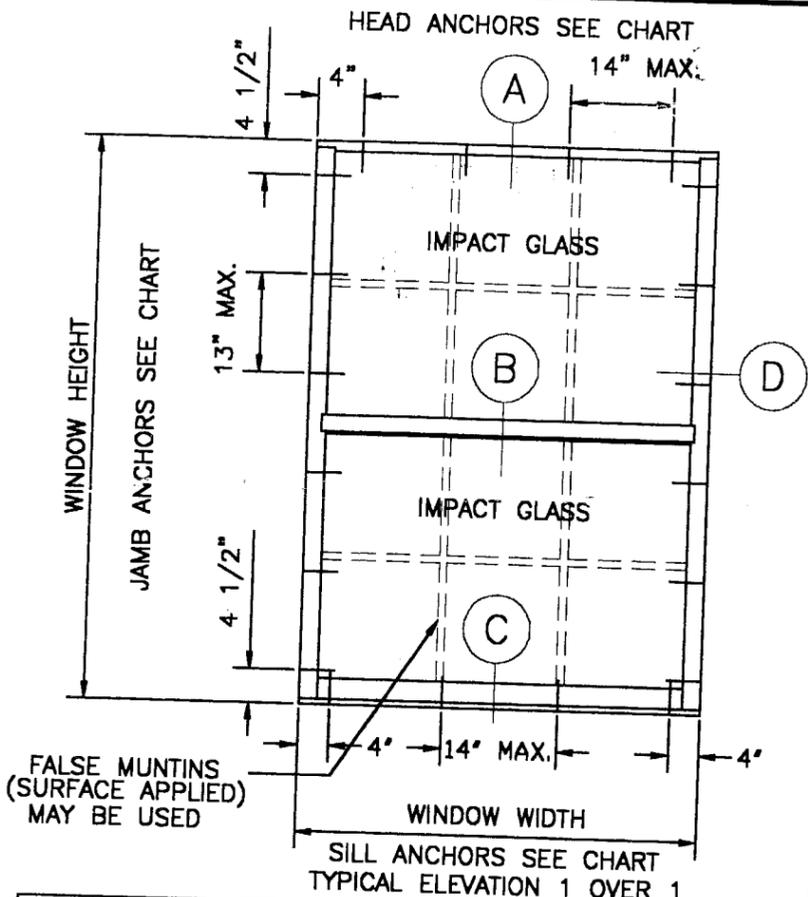
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-014	1	FRAME HEAD	6063-T5
2	SW52101	1	FRAME SILL	6063-T5
3	SW-011	2	FRAME JAMB	6063-T5
4	SW40111	1	MEETING RAIL	6063-T5
5	SW-017	1	SASH TOP RAIL	6063-T5
6	SW43355	1	SASH BOTTOM RAIL	6063-T5
7	SW8202E	2	SASH CAM	NYLON
8	SW-012	2	SASH SIDE RAIL	6063-T5
9	SW-AS	AS REQ	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS
10	SW8202A	4/VENT	FACE GUIDES	NYLON
11	SW43353	2/VENT	LATCH	6063-T5
12	SW1820	AS RQD	SEAL PILE	FELT
13	SW3257	AS RQD	WEATHER STRIP BULB	VINYL
14	-	AS RQD	SILICONE	DC-795/SM-5731
15	SW-018	AS RQD	GLAZING BEAD	6063-T5
16	SW540	2	SPIRAL BALANCE	ALUMINUM

**PRODUCT RENEWED**  
ACCEPTANCE No. 02-0212.02  
EXPIRATION DATE: April 22, 2007  
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: June 02, 2000  
BY: *Maurice...*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0403.02

**GLAZING:**  
**GLASS OPTIONS:**  
A) 3/8" OVERALL LAMINATED GLASS USING TWO LIGHTS OF 1/8" HEAT STRENGTHENED GLASS WITH AN 0.010" INTERLAYER FILM, GLASSLAM SAFETY PLUS AND A 3/8" WIDE CLOSED CELL FOAM, FRANK LOWE RUBBER & GASKET S-10 ON EACH SIDE OF FILM AT PERIMETER EDGE.  
B) 3/8" OVERALL LAMINATED GLASS USING TWO LIGHTS OF 1/8" HEAT STRENGTHENED GLASS WITH AN 0.090" INTERLAYER FILM, DUPONT WITH BUTALITE.  
**METHOD:**  
INTERIOR GLAZED WITH 3/8" GLAZING PENETRATION USING A CLEAR COLORED ADHESIVE BEDDING COMPOUND, SCHNEE MOREHEAD 5731 OR DOW CORNING 795, AND AN EXTRUDED ALUMINUM SNAP ON GLAZING BEAD FASTENED TO FRAME WITH TWO NO. 8 X 3/4" PHSMS PER BEAD.



**HORIZONTAL SECTION**



BASED ON FTL-1982 DATED 8-4-98  
TEST SIZE= 53 1/8" X 73 3/4" (1 OVER 1)  
TEST LOADS= +135.0 -135.0 PSF  
DESIGN LOADS= +70.0 -90.0  
WATER INFILTRATION TEST= 10.5 PSF  
TESTED GLASS= 3/8" HEAT STRENGTHENED LAMINATED  
CYCLIC WIND LOAD TEST= +90.0 -90.0 PSF

**HURRICANE RESISTANT SHUTTERS ARE NOT REQUIRED**

**ANCHORS:**  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
3/16" TAPCONS WITH 1 1/2" MIN. PENETRATION INTO WOOD.  
INTO 1BY WOOD BUCKS OR INTO MASONRY  
3/16" TAPCONS WITH 1 1/4" MIN. EMBEDMENT INTO MASONRY.

WINDOW WIDTH	ANCHORS PER HEAD & SILL	WINDOW HEIGHT	ANCHORS PER JAMB
19 1/8"	2	26"	3
26 1/2"	3	38 3/8"	4
37"	4	50 5/8"	5
53 1/8"	5	63"	6
		73 3/4"	8

*[Signature]*  
3-25-00

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Miami, Florida 33126  
Phone (305) 266 8670  
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**SERIES 2000 ALUMINUM  
SINGLE HUNG WINDOW**

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

DRAWING NO.  
SH98-04

SHEET  
5 OF 5