



**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 W. 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 4320 Aluminum Fixed Window

APPROVAL DOCUMENT: Drawing No. **PW-08-02**, titled "Series 4320 Aluminum Fixed Window", sheets 1 through 4 of 4, dated 8/25/08, prepared by the Francisco Hernandez P.E. Structural Engineering, signed and sealed by Francisco Hernandez, P.E., 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: 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 # **03-0529.02** and consists of this page 1, evidence page(s), as well as approval document mentioned above.

The submitted documentation was reviewed by **Fitz A. Harris, P.E.**

Fitz A. Harris
10.29.08



**NOA No 08-0908.18
Expiration Date: September 16, 2013
Approval Date: November 20, 2008**

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **PW-08-02**, titled "Series 4320 Aluminum Fixed Window", sheets 1 through 4 of 4, dated 8/25/08, prepared by the Francisco Hernandez P.E., Structural Engineering, 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) Uniform Structural Load Test, per ASTM E330, TAS 202-94along with installation diagrams of:
 - a) "Series 4230 Aluminum Fixed Window" with 3/16" tempered glass
 - b) "Series 4250 Aluminum Fixed Window" with 3/16" annealed glass
 - c) "Series 4250 Aluminum Fixed Window" with 1/4" annealed glass,prepared by Fenestration Testing Laboratory, Inc., Report No. **FTL-5614**, dated July 12, 2008, signed and sealed by Carlos Rionda, P.E.

C. CALCULATIONS

1. Structural comparative analysis calculations dated August 20, 2008 and October 15, 2008, prepared, signed and sealed by Francisco Hernandez, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office.

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. None

G. OTHER

1. Notice of Acceptance No. **03-0509.02** Sunshine Windows Manufacturing, Inc., for their "Series 4230 Aluminum Fixed Window", approved on 10/25/03 and expiring on 10/16/08.



Fitz A. Harris, P.E.

Product Control Examiner

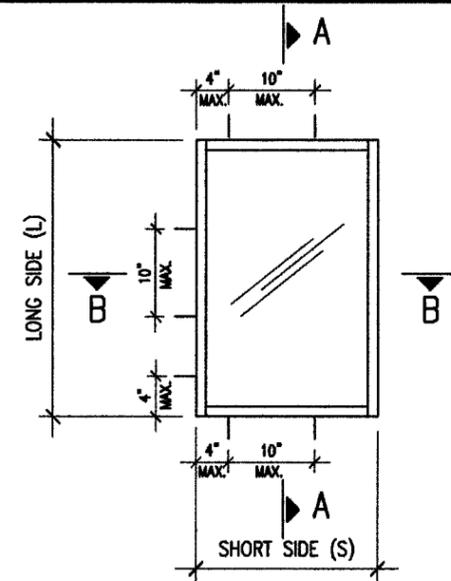
NOA No 08-0908182

Expiration Date: September 16, 2013

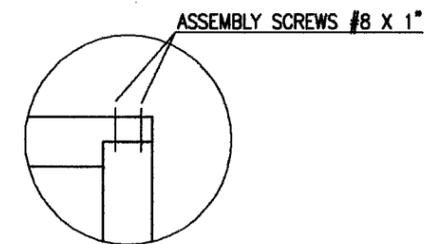
Approval Date: November 20, 2008

DESIGN PRESSURE CHART - PSF						
WINDOW SIZE L X S INCHES	NUMBER OF ANCHORS		3/16" TEMPERED GLASS		1/4" ANNEALED	
	LONG SIDE	SHORT SIDE	POS.	NEG.	POS.	NEG.
120 X 40	13	5	66.00	66.00	-	-
120 X 37	13	4	70.30	70.30	-	-
120 X 26	13	3	94.90	94.90	-	-
108 X 46	11	5	57.10	57.10	-	-
108 X 40	11	5	63.50	63.50	-	-
108 X 37	11	4	67.40	67.40	-	-
108 X 26	11	3	90.40	90.40	-	-
96 X 50	10	6	57.20	57.20	-	-
96 X 46	10	5	60.50	60.50	-	-
96 X 40	10	5	66.80	66.80	-	-
96 X 37	10	4	70.80	70.80	-	-
96 X 26	10	3	94.10	94.10	75.30	75.30
91 X 54	10	6	58.80	58.80	-	-
91 X 50	10	6	61.50	61.50	-	-
91 X 46	10	5	64.90	64.90	-	-
91 X 40	10	5	71.50	71.50	-	-
91 X 37	10	4	75.70	75.70	-	-
91 X 26	10	3	100.00	100.10	76.00	76.00
91 X 19	10	3	100.00	131.10	90.00	100.48
84 X 58	9	6	57.30	57.30	-	-
84 X 54	9	6	59.40	59.40	-	-
84 X 50	9	6	61.90	61.90	-	-
84 X 46	9	5	65.10	65.10	-	-
84 X 40	9	5	71.40	71.40	-	-
84 X 37	9	4	75.40	75.40	41.50	41.50
84 X 26	9	3	99.00	99.00	77.80	77.80
84 X 19	9	3	100.00	129.10	90.00	101.46
78 X 63	8	7	55.40	55.40	-	-
78 X 58	8	6	57.20	57.20	-	-
78 X 54	8	6	59.00	59.00	-	-
78 X 50	8	6	61.30	61.30	40.30	40.30
78 X 46	8	5	64.20	64.20	40.90	40.90
78 X 40	8	5	70.00	70.00	42.20	42.20
78 X 37	8	4	73.80	73.80	44.80	44.80
78 X 26	8	3	96.10	96.10	78.91	78.91
78 X 19	8	3	100.00	124.80	90.00	102.47

DESIGN PRESSURE CHART - PSF						
WINDOW SIZE L X S INCHES	NUMBER OF ANCHORS		3/16" TEMPERED GLASS		1/4" ANNEALED	
	LONG SIDE	SHORT SIDE	POS.	NEG.	POS.	NEG.
74 X 66	8	7	60.00	60.00	-	-
74 X 63	8	7	60.70	60.70	-	-
74 X 58	8	6	62.20	62.20	-	-
74 X 54	8	6	64.00	64.00	41.70	41.70
74 X 50	8	6	66.30	66.30	43.20	43.20
74 X 46	8	5	69.20	69.20	44.00	44.00
74 X 40	8	5	75.20	75.20		46.00
74 X 37	8	4	79.10	79.10	47.90	47.90
74 X 26	8	3	100.00	102.40	79.77	79.77
74 X 19	8	3	100.00	132.50	90.00	103.24
63 X 58	7	6	72.10	72.10	-	-
63 X 54	7	6	73.10	73.10	42.59	42.59
63 X 50	7	6	74.80	74.80	46.00	46.00
63 X 46	7	5	77.20	77.20	50.00	50.00
63 X 40	7	5	82.60	82.60	55.90	55.90
63 X 37	7	4	86.30	86.30	57.80	57.80
63 X 26	7	3	100.00	109.30	82.86	82.86
63 X 19	7	3	100.00	139.80	90.00	105.97
53 X 50	6	6	83.60	83.60	46.00	46.00
53 X 46	6	5	88.30	88.30	50.00	50.00
53 X 40	6	5	92.30	92.30	57.50	57.50
53 X 37	6	4	95.40	95.40	62.16	62.16
53 X 26	6	3	100.00	117.10	87.13	87.13
53 X 19	6	3	100.00	147.40	90.00	109.64
46 X 40	5	5	97.60	97.60	57.50	57.50
46 X 37	5	4	99.80	99.80	62.16	62.16
46 X 26	5	3	100.00	118.30	88.46	88.46
46 X 19	5	3	100.00	146.40	90.00	113.41
38 X 37	4	4	100.00	112.60	62.16	62.16
38 X 26	4	3	100.00	124.90	88.46	88.46
38 X 19	4	3	100.00	150.00	90.00	119.98
26 X 26	3	3	100.00	160.70	88.46	88.46
26 X 19	3	3	100.00	194.30	90.00	121.05



**RECTANGULAR
TYPICAL ELEVATION**



TYP. 90° CORNER DETAIL

ANCHORS:

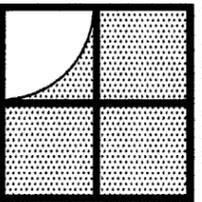
1. FOR CONNECTION TO CONCRETE BLOCK USE 1/4" ELCO TAPCON WITH 1 1/2" MINIMUM EMBEDMENT INTO WALL.
2. FOR CONNECTION TO METAL STRUCTURE USE 1/4" SMS.
3. FOR CONNECTION TO 2BY WOOD BUCK OR WOOD STRUCTURE USE 1/4" SMS 1 1/2" MINIMUM EMBEDMENT INTO WOOD

WELDING:

FOR CORNER WELDED CONNECTIONS USE 1/8" FILLET WELD WITH 1 1/4" MINIMUM LENGTH MADE WITH ER4043 FILLER ALLOY

GENERAL NOTES:

1. REFERENCES TEST REPORTS FTL-5614
2. THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE.



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

**SERIES 4230 ALUMINUM
FIXED WINDOW
NON-IMPACT RESISTANT GLASS**

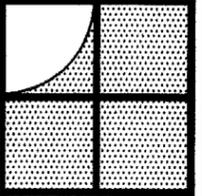
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Date: **08-25-08**
Scale: **1/2"=1'**
Revision: _____
Revision: _____

DRAWING NO.
PW08-02

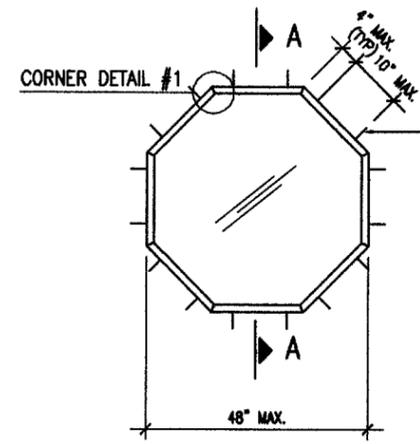
SHEET
1 OF 4

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **08-0908-18**
Expiration Date **9-16-2013**
By **Francisco Hernandez**
Miami Dade Product Control
Division

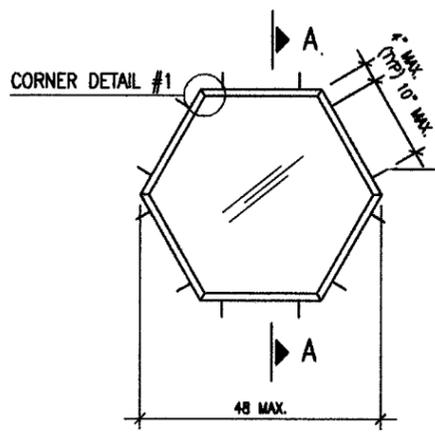
Francisco Hernandez
8-27-08
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



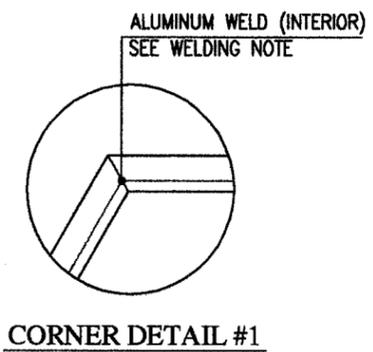
Sunshine Windows Manufacturing, Inc.
 1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)364-9852
 Fax: (305)828-5118



OCTAGON
TYPICAL ELEVATION



HEXAGON
TYPICAL ELEVATION



DESIGN PRESSURE CHART - PSF					
WINDOW SIZE INCHES	NUMBER OF ANCHORS PER SIDE	3/16" TEMPERED GLASS		1/4" ANNEALED	
		POS.	NEG.	POS.	NEG.
48	3	100.00	127.65	66.70	66.70
42	2	100.00	111.15	80.40	80.40
36	2	100.00	151.29	90.00	94.60
30	2	100.00	210.00	90.00	146.00
24	2	100.00	210.00	90.00	210.00

DESIGN PRESSURE CHART - PSF					
WINDOW SIZE INCHES	NUMBER OF ANCHORS PER SIDE	3/16" TEMPERED GLASS		1/4" ANNEALED	
		POS.	NEG.	POS.	NEG.
48	3	91.58	91.58	66.70	66.70
42	3	100.00	119.62	80.40	80.40
36	2	100.00	108.54	90.00	94.60
30	2	100.00	156.30	90.00	132.69
24	2	100.00	210.00	90.00	165.99

ANCHORS:

1. FOR CONNECTION TO CONCRETE BLOCK USE 1/4" ELCO TAPCON WITH 1 1/2" MINIMUM EMBEDMENT INTO WALL.
2. FOR CONNECTION TO METAL STRUCTURE USE 1/4" SMS.
3. FOR CONNECTION TO 2BY WOOD BUCK OR WOOD STRUCTURE USE 1/4" SMS 1 1/2" MINIMUM EMBEDMENT INTO WOOD

WELDING:

FOR CORNER WELDED CONNECTIONS USE 1/8" FILLET WELD WITH 1 1/4" MINIMUM LENGTH MADE WITH ER4043 FILLER ALLOY

GENERAL NOTES:

1. REFERENCES TEST REPORTS FTL-5614
2. THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE.

SERIES 4230 ALUMINUM
 FIXED WINDOW
 NON-IMPACT RESISTANT GLASS

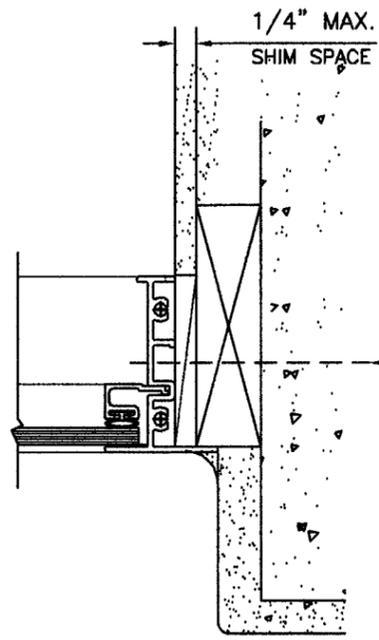
Drawn By: RF
 Date: 08-25-08
 Scale: 1/2"=1'
 Revision: _____
 Revision: _____

DRAWING NO.
 PW08-02

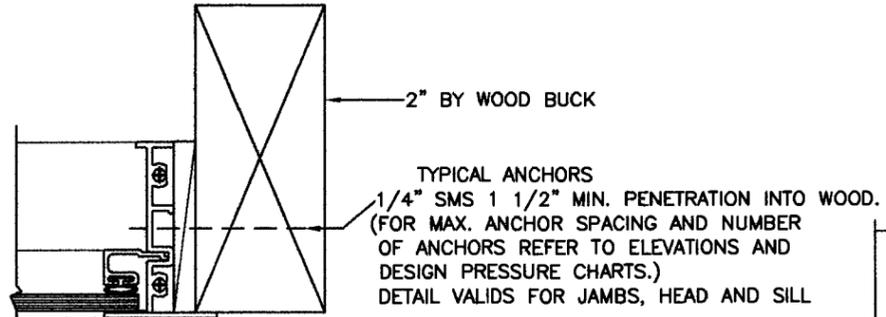
SHEET
 2 OF 4

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 08-0908-18
 Expiration Date 9-16-2013
 By: *Francisco Hernandez*
 Product Control
 Division

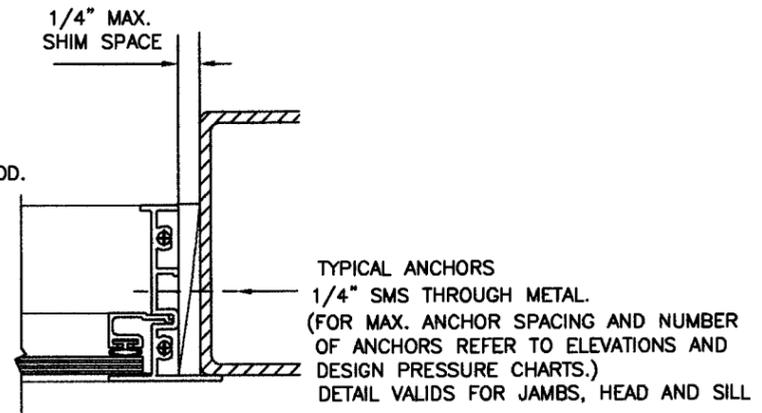
Francisco Hernandez
 8-27-08
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393



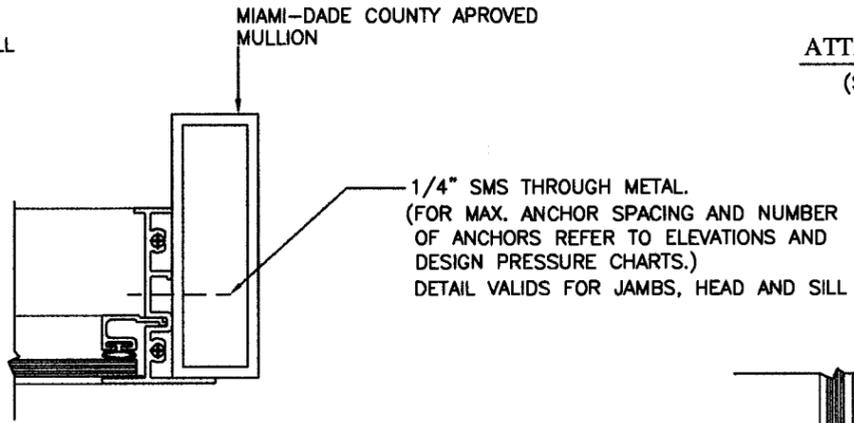
ATTACHMENT TO MASONRY



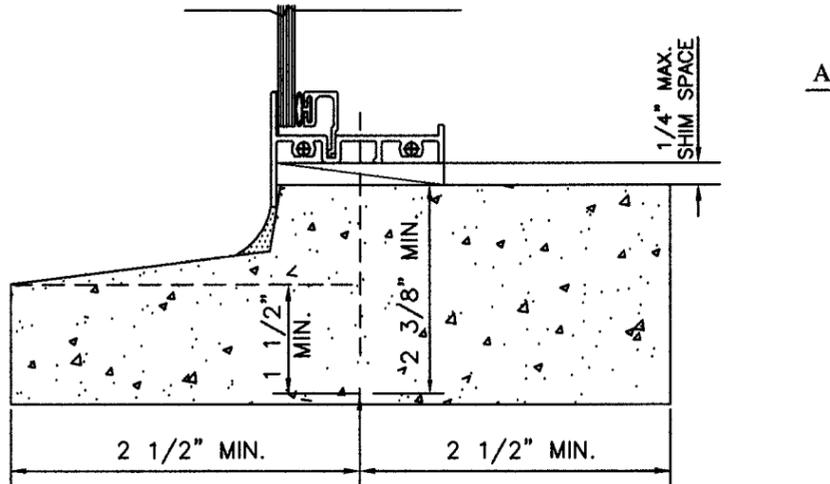
ATTACHMENT TO WOOD



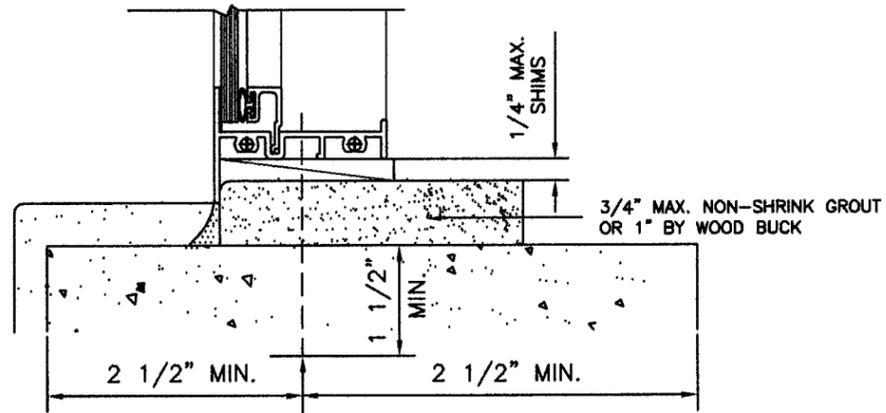
ATTACHMENT TO METAL STRUCTURE
(STEEL OR ALUMINUM 1/8" MIN. THICKNESS)



ATTACHMENT TO MULLION DETAIL



ATTACHMENT TO PRE-CAST SILL



ATTACHMENT TO MASONRY

TYPICAL ANCHORS
—1/4" TAPCONS 1 1/2" MIN. EMBEDMENT INTO MASONRY (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS.)
DETAIL VALIDS FOR SILL ONLY

TYPICAL ANCHORS
—1/4" TAPCONS 1 1/2" MIN. EMBEDMENT INTO MASONRY THROUGH 1" BY 2" WOOD BUCK OR NON SHRINK NON METALLIC GROUT (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURE CHARTS.)
DETAIL VALIDS FOR SILL ONLY

TYPICAL SECTIONS

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

SERIES 4230 ALUMINUM
FIXED WINDOW
NON-IMPACT RESISTANT GLASS

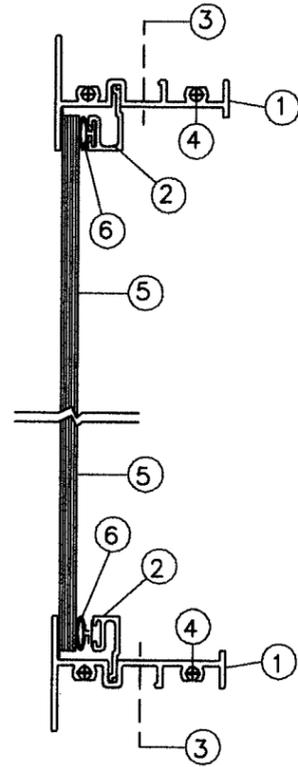
Drawn By: RF
Date: 08-25-08
Scale: 1/2"=1"
Revision:
Revision:

DRAWING NO.
PW08-02

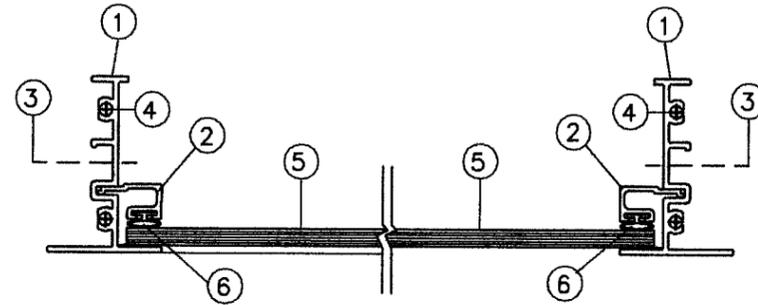
SHEET
3 OF 4

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-0908-1B
Expiration Date
By
Miami Dade Product Control
Division

FHJ
6-27-08
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

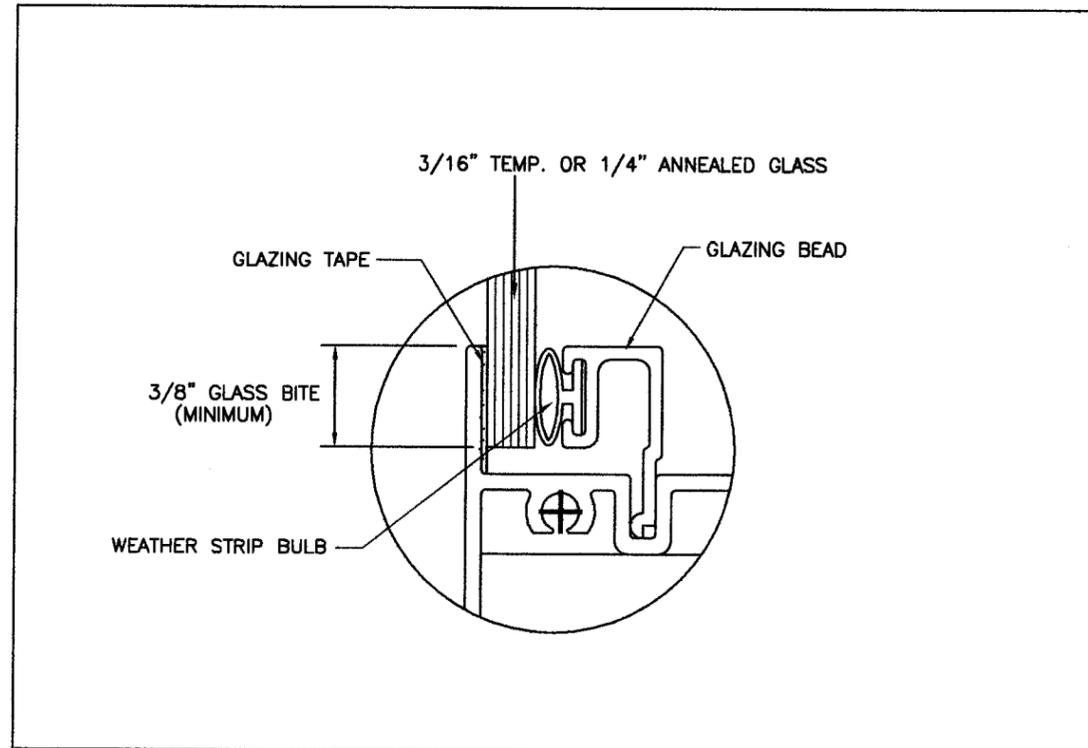


SECTION A - A



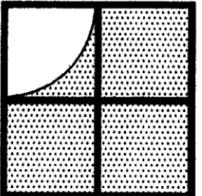
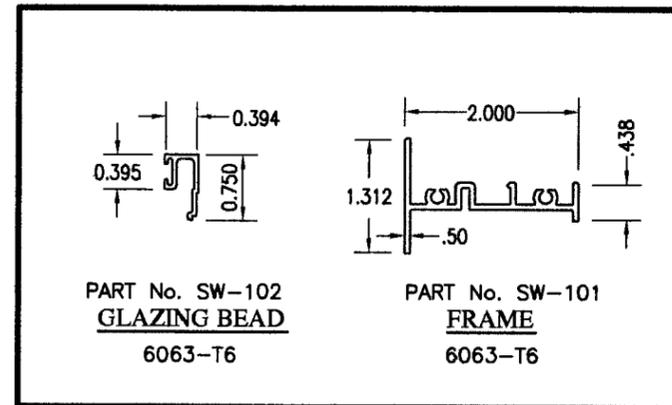
SECTION B - B

GLAZING DETAIL



MATERIAL LIST

ITEM #	PART	DESCRIPTION	MATERIAL
1	SW-101	HEAD, SILL AND JAMB	6063-T6
2	SW-102	GLAZING BEAD	6063-T6
3	ANCHORS	SEE ELEVATION SHEETS	
4	# 8" X 1" PH S.M.S	ASSEMBLY SCREW	
5	3/16" TEMP. OR 1/4" ANNEALED GLASS	SEE GLAZING DETAIL	
6	SW-3082	WEATHER STRIP BULB	VINYL



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**SERIES 4230 ALUMINUM
 FIXED WINDOW
 NON-IMPACT RESISTANT GLASS**

Drawn By: RF
 Date: 08-25-08
 Scale: 1/2"=1'
 Revision: _____

DRAWING NO.
 PW08-02

SHEET
 4 OF 4

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 08-0908-18
 Expiration Date 9-16-2013
 By: *[Signature]*
 Miami Dade Product Control
 Division

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. _____
 Expiration Date _____
 By: _____
 Miami Dade Product Control
 Division

[Signature]
 8-27-08
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51383