



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

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

www.miamidade.gov/economy

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 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 "4302" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. PW08-01, titled "Series 4302 Aluminum Fixed Window - Impact Resistant Glass", sheets 1 through 8 of 8, dated 08/18/08, with revision #1 dated 03/06/12, prepared by manufacturer, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/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 renews NOA# 12-0314.11 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.



Handwritten signature and date: 10/24/13

NOA No. 13-0912.03
Expiration Date: September 11, 2014
Approval Date: October 31, 2013
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA# 03-0314.07)
2. Drawing No **PW08-01**, titled "Series 4302 Aluminum Fixed Window - Impact Resistant Glass", sheets 1 through 8 of 8, dated 08/18/08, with revision #1 dated 03/06/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.
(Submitted under previous NOA# 12-0314.11)

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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of aluminum arch, eyebrow and rectangular fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3388**, dated 08/14/02, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0314.07)

C. CALCULATIONS

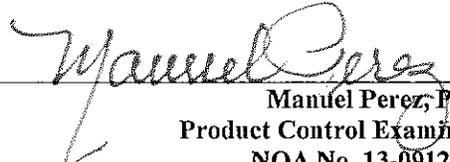
1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Sunshine Windows Manufacturing, Inc., dated 12/17/10, signed and sealed by Francisco Hernandez, P.E.
(Submitted under previous NOA# 12-0314.11)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **12-1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0912.03
Expiration Date: September 11, 2014
Approval Date: October 31, 2013

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010**, and of no financial interest, dated March 09, 2012, signed and sealed by Francisco Hernandez, P.E. *(Submitted under previous NOA# 12-0314.11)*
2. Laboratory compliance letter for Test Report No. **FTL-3388**, issued by Fenestration Testing Laboratory, Inc., dated 09/05/02, signed and sealed by Joseph Chan, P.E. *(Submitted under NOA# 03-0314.07)*
3. Letter from manufacturer requesting a 1-year extension to allow time to perform verification test, dated 09/11/13, signed by Noel Martinez.
4. Testing agreement letter, dated 09/11/13 between Fenestration Testing Laboratory, Inc. (FTL) and Sunshine Windows Manufacturing, Inc., issued by FTL and signed by Leigh Sanchez.

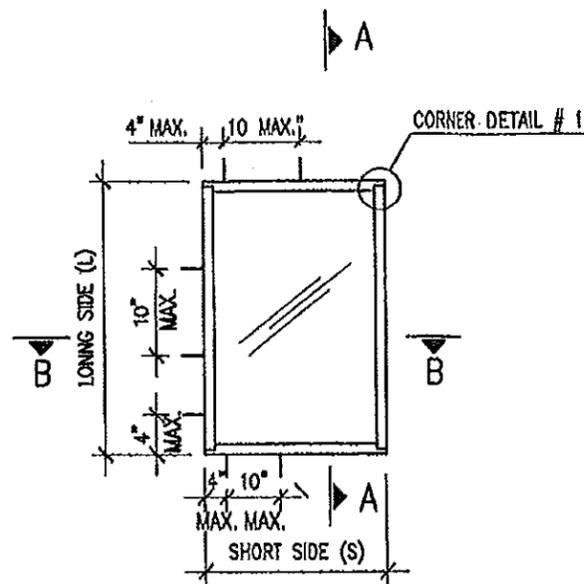
G. OTHERS

1. Notice of Acceptance No. **12-0314.11**, issued to Sunshine Windows Manufacturing, Inc. for their Series "4302" Aluminum Fixed Window – L.M.I., approved on 05/24/12 and expiring on 09/11/13.
2. One year approval, subjected to successful verification test, the final approval will be issued for the balance of the remaining 4 years, of a total of 5 years.

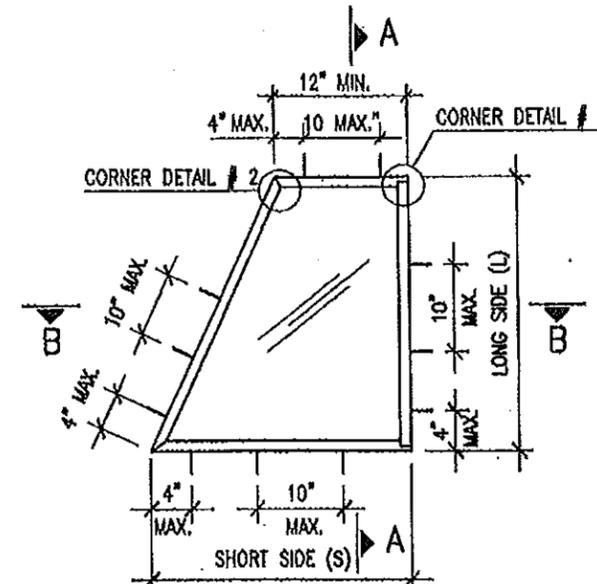

Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0912.03

Expiration Date: September 11, 2014
Approval Date: October 31, 2013

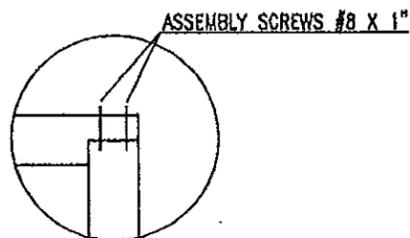
WINDOW SIZE L X S INCHES	DESIGN PRESSURES CHART - PSF				
	NUMBER OF ANCHORS			POS.	NEG.
	LONG SIDE	INCLINED SIDE	SHORT SIDE		
108 X 26	11	12	3	90.00	90.00
96 X 26	10	11	3	90.00	90.00
91 X 26	10	11	3	90.00	90.00
84 X 26	9	10	3	90.00	90.00
78 X 37	8	9	4	90.00	90.00
78 X 26	8	9	3	90.00	90.00
78 X 19	8	9	3	90.00	90.00
63 X 46	7	8	5	76.30	76.30
63 X 39	7	8	5	90.00	90.00
63 X 37	7	8	4	90.00	90.00
63 X 26	7	8	3	90.00	90.00
63 X 19	7	8	3	90.00	90.00
48 X 48	5	6	5	73.10	73.10
53 X 46	6	7	5	76.30	76.30
53 X 39	6	7	5	90.00	90.00
53 X 37	6	7	4	90.00	90.00
53 X 26	6	7	3	90.00	90.00
53 X 19	6	7	3	90.00	90.00
46 X 39	5	6	5	90.00	90.00
46 X 37	5	6	4	90.00	90.00
46 X 26	5	6	3	90.00	90.00
46 X 19	5	6	3	90.00	90.00
38 X 37	4	5	4	90.00	90.00
38 X 26	4	5	3	90.00	90.00
38 X 19	4	5	3	90.00	90.00
26 X 26	3	4	3	90.00	90.00
26 X 19	3	4	3	90.00	90.00
74 X 39	8	9	5	90.00	90.00
74 X 37	8	9	4	90.00	90.00
74 X 26	8	9	3	90.00	90.00
74 X 19	8	9	3	90.00	90.00



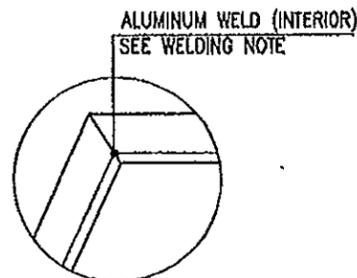
**RECTANGLE
TYPICAL ELEVATION**



**TRAPEZOID
TYPICAL ELEVATION**



CORNER DETAIL # 1



CORNER DETAIL # 2

GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH f'c=3,200 psi MIN., CMU PER ASTM C90, FILLED CMU fm=2,000 psi MIN.
- 6.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE Fy= 36 KSI MIN.
- 9.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

GLASS:

0.34" OVERALL LAMINATED GLASS USING TWO LITES OF 1/8" STRENGTHENED GLASS WITH A 0.090 SAFLEX III G INTERLAYER

WELDING:

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

PRODUCT RENEWED
as complying with the Florida
Building Code 13-0912.03
HEATING Code
FILM BY SOLUTIA
Expiration Date Sept. 11, 2014
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0314.11
Expiration Date Sep. 11, 2013
By *Manuel Perez*
Miami Dade Product Control

Francisco Hernandez
3-9-12
FRANCISCO HERNANDEZ
FLORIDA, PE # 51393

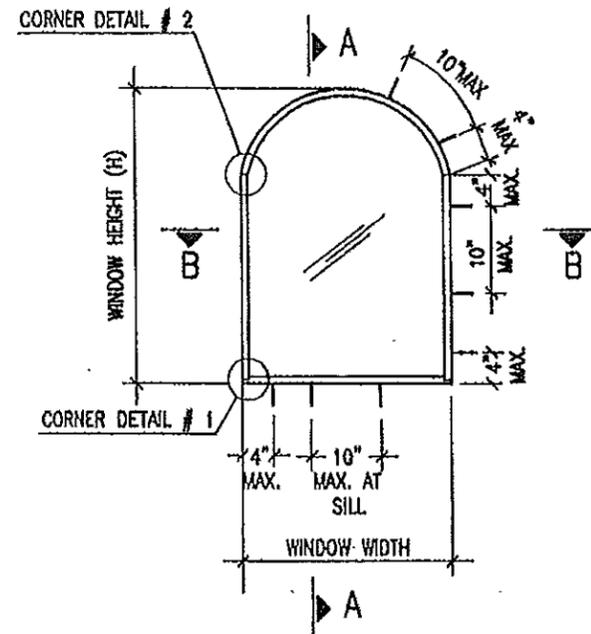
Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)384-9852
Fax: (305)828-5118

SERIES 4302 ALUMINUM
FIXED WINDOW
IMPACT RESISTANT GLASS

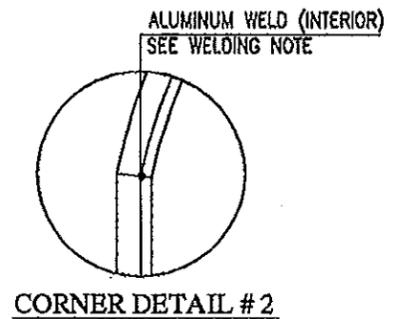
No	DATE	REVISION	UPDATED FOR 2010 FBC
1	03-06-12		

DRAWING No.
PW08-01
DATE: 08-18-08
SCALE: 1/2"=1"
SHEET 1 OF 8

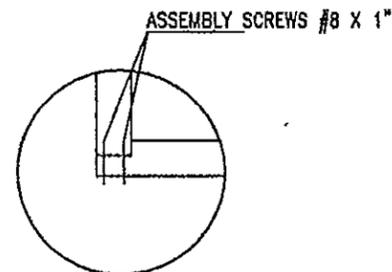
WINDOW SIZE W X H INCHES	DESIGN PRESSURES CHART - PSF				
	NUMBER OF ANCHORS			POS.	NEG.
	SILL	JAMBS	CIRCLE TOP		
26 X 108	3	11	4	90.00	90.00
26 X 96	3	10	4	90.00	90.00
26 X 91	3	10	4	90.00	90.00
26 X 84	3	9	4	90.00	90.00
37 X 78	4	8	6	90.00	90.00
26 X 78	3	8	4	90.00	90.00
19 X 78	3	8	3	90.00	90.00
46 X 63	5	7	7	76.30	76.30
39 X 63	5	7	6	90.00	90.00
37 X 63	4	7	6	90.00	90.00
26 X 63	3	7	4	90.00	90.00
19 X 63	3	7	3	90.00	90.00
48 X 48	5	5	7	73.10	73.10
46 X 53	5	6	7	76.30	76.30
39 X 53	5	6	6	90.00	90.00
37 X 53	4	6	6	90.00	90.00
26 X 53	3	6	4	90.00	90.00
19 X 53	3	6	3	90.00	90.00
39 X 46	5	5	6	90.00	90.00
37 X 46	4	5	6	90.00	90.00
26 X 46	3	5	4	90.00	90.00
19 X 46	3	5	3	90.00	90.00
37 X 38	4	4	6	90.00	90.00
26 X 38	3	4	4	90.00	90.00
19 X 38	3	4	3	90.00	90.00
26 X 26	3	3	4	90.00	90.00
19 X 26	3	3	3	90.00	90.00
39 X 74	5	8	6	90.00	90.00
37 X 74	4	8	6	90.00	90.00
26 X 74	3	8	4	90.00	90.00
19 X 74	3	8	3	90.00	90.00



**UPRIGHT RECTANGLE WITH CIRCLE TOP
TYPICAL ELEVATION**



CORNER DETAIL # 2



CORNER DETAIL # 1

GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH f'c=3,200 psi MIN., CMU PER ASTM C90, FILLED CMU fm=2,000 psi MIN.
- 6.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE Fy= 36 KSI MIN.
- 9.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

GLASS:

0.34" OVERALL LAMINATED GLASS USING TWO LITES OF 1/8" HEAT STRENGTHENED GLASS WITH A 0.090 SAFLEX III G INTERLAYER FILM

WELDING:

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

PRODUCT RENEWED
as complying with the Florida
Building Code
BY SOLUTIA 13-0912.03
Expiration Date Sept. 11, 2014
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0314.11
Expiration Date SEPT. 11, 2013
By *Manuel Perez*
Miami Dade Product Control

Manuel Perez
3-9-12
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

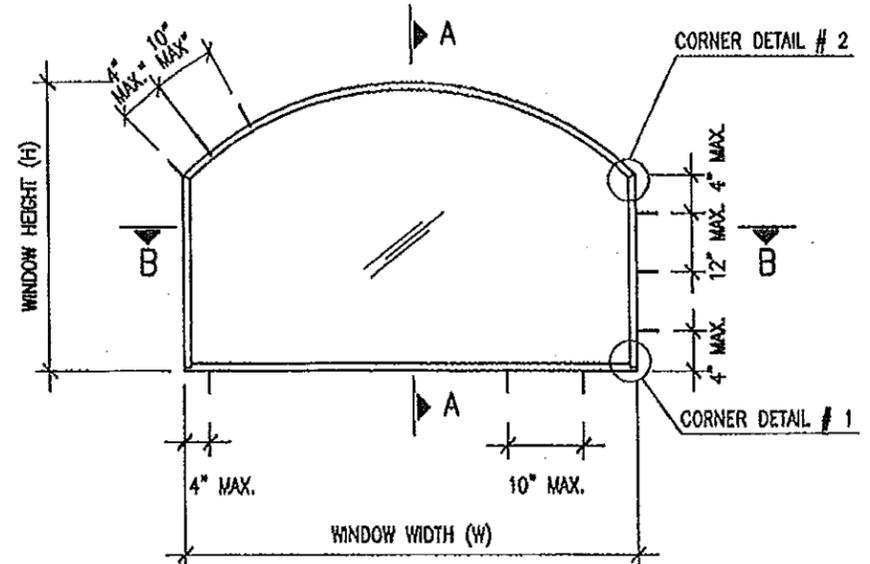
Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-8882
Fax: (305)828-8118

SERIES 4302 ALUMINUM
FIXED WINDOW
IMPACT RESISTANT GLASS

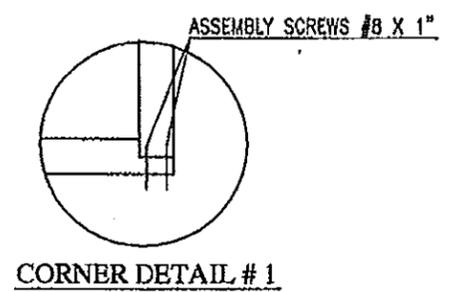
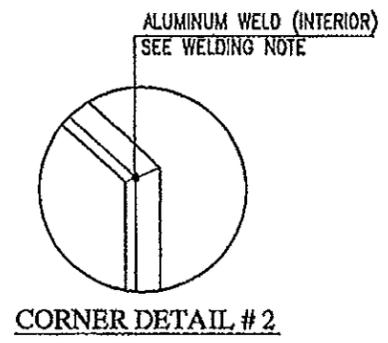
NO	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC

DRAWING No.
PW08-01
DATE: 08-18-08
SCALE: 1/2"=1"
SHEET 2 OF 8

WINDOW SIZE W X H INCHES	DESIGN PRESSURES CHART - PSF				
	NUMBER OF ANCHORS			POS.	NEG.
	SILL	CIRCLE TOP	JAMBS		
108 X 26	11	16	3	90.00	90.00
96 X 26	10	14	3	90.00	90.00
91 X 26	10	14	3	90.00	90.00
84 X 26	9	13	3	90.00	90.00
78 X 37	8	12	4	90.00	90.00
78 X 26	8	12	3	90.00	90.00
78 X 19	8	12	3	90.00	90.00
63 X 46	7	10	5	76.60	76.30
63 X 39	7	10	4	90.00	90.00
63 X 37	7	10	4	90.00	90.00
63 X 26	7	10	3	90.00	90.00
63 X 19	7	10	3	90.00	90.00
48 X 48	5	7	5	73.10	73.10
53 X 46	6	9	5	76.30	76.30
53 X 39	6	9	4	90.00	90.00
53 X 37	6	9	4	90.00	90.00
53 X 26	6	9	3	90.00	90.00
53 X 19	6	9	3	90.00	90.00
46 X 39	5	7	4	90.00	90.00
46 X 37	5	7	4	90.00	90.00
46 X 26	5	7	3	90.00	90.00
46 X 19	5	7	3	90.00	90.00
38 X 37	4	6	4	90.00	90.00
38 X 26	4	6	3	90.00	90.00
38 X 19	4	6	3	90.00	90.00
26 X 26	3	4	3	90.00	90.00
26 X 19	3	4	3	90.00	90.00
74 X 39	8	12	4	90.00	90.00
74 X 37	8	12	4	90.00	90.00
74 X 26	8	12	3	90.00	90.00
74 X 19	8	12	3	90.00	90.00



**SIDWAYS RECTANGLE WITH CIRCLE TOP
TYPICAL ELEVATION**



GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH f'c=3,200 psi MIN., CMU PER ASTM C90, FILLED CMU fm=2,000 psi MIN.
- 6.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE Fy= 36 KSI MIN.
- 9.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

GLASS:
0.34" OVERALL LAMINATED GLASS USING TWO LITES OF 1/8" HEAT STRENGTHENED GLASS WITH A 0.090 SAFLEX III G INTERLAYER FILM

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

PRODUCT RENEWED
as complying with the Florida Building Code
By SOLUTIA
Expiration Date: Sept. 11, 2014
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 12-0314-11
Expiration Date: Sept. 11, 2013
By *Manuel Perez*
Miami Dade Product Control

Francisco Hernandez
3-9-12
FRANCISCO HERNANDEZ
FLORIDA, PE # 51393

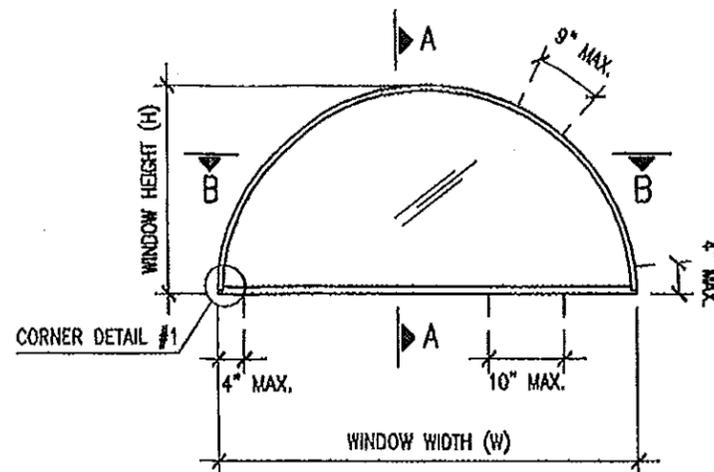
Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)384-9852
Fax: (305)828-6118

SERIES 4502 ALUMINUM
FIXED WINDOW
IMPACT RESISTANT GLASS

No	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC

DRAWING No.
PW08-01
DATE: 08-18-08
SCALE: 1/2"=1"
SHEET 3 OF 8

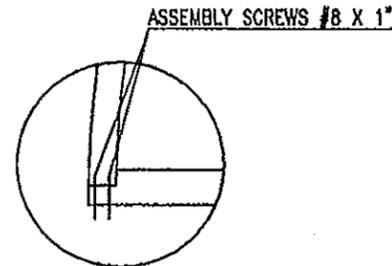
WINDOW SIZE W X H INCHES	DESIGN PRESSURES CHART - PSF			
	NUMBER OF ANCHORS		POS.	NEG.
	SILL	ARCH		
108 X 26	11	14	90.00	90.00
96 X 26	10	13	90.00	90.00
91 X 26	10	13	90.00	90.00
84 X 26	9	12	90.00	90.00
78 X 37	8	14	90.00	90.00
78 X 26	8	12	90.00	90.00
78 X 19	8	11	90.00	90.00
63 X 32	7	12	90.00	90.00
63 X 26	7	10	90.00	90.00
63 X 19	7	9	90.00	90.00
48 X 24	5	9	90.00	90.00
53 X 27	6	10	90.00	90.00
53 X 19	6	8	90.00	90.00
46 X 23	5	9	90.00	90.00
46 X 19	5	8	90.00	90.00
38 X 19	4	7	90.00	90.00
26 X 13	3	5	90.00	90.00
74 X 37	8	14	90.00	90.00
74 X 26	8	11	90.00	90.00
74 X 19	8	10	90.00	90.00



**ARCH
TYPICAL ELEVATION**

GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH f'c=3,200 psi MIN., CMU PER ASTM C90, FILLED CMU fm=2,000 psi MIN.
- 6.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE Fy= 36 KSI MIN.
- 9.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.



CORNER DETAIL #1

GLASS:

0.34" OVERALL LAMINATED GLASS USING TWO LITES OF 1/8" HEAT STRENGTHENED GLASS WITH A 0.090 SAFLEX III G INTERLAYER FILM BY SOLUTA

WELDING:

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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-0912.03
Expiration Date Sept 11, 2014
By Manuel Lopez
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0314.11
Expiration Date SEPT 11, 2013
By Manuel Lopez
Miami Dade Product Control

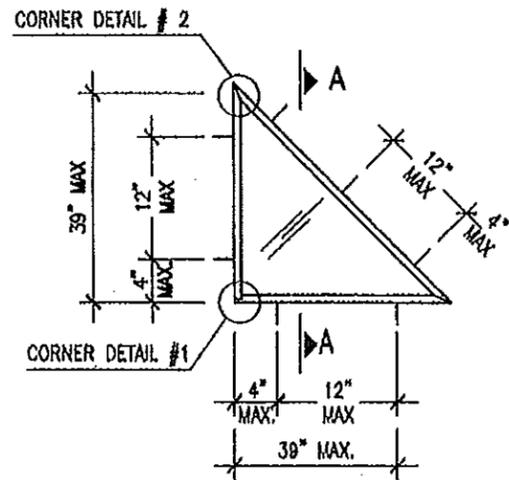
[Signature]
3-9-12
FRANCISCO HERNANDEZ
FLORIDA PE # 61393

Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9982
Fax: (305)828-8118

SERIES 4302 ALUMINUM
FIXED WINDOW
IMPACT RESISTANT GLASS

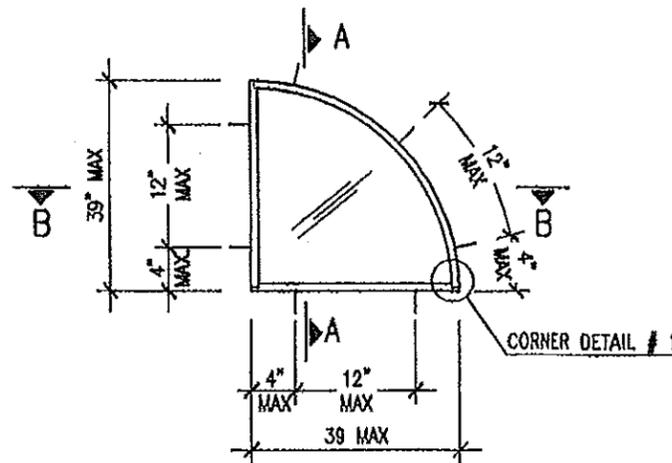
NO	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC

DRAWING No.
PW08-01
DATE: 08-18-08
SCALE: 1/2"=1"
SHEET 4 OF 8



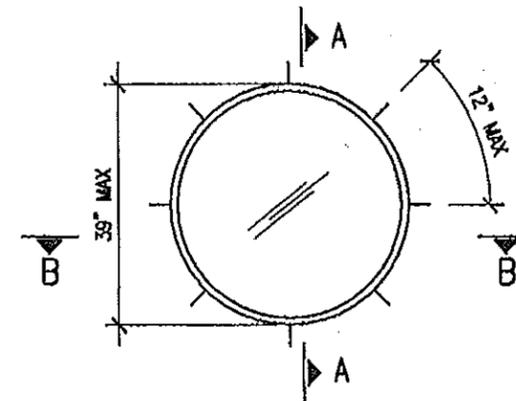
**QUARTER ROUND
TYPICAL ELEVATION**

DESIGN PRESSURES
 POSITIVE = +90.00 PSF
 NEGATIVE = -90.00 PSF



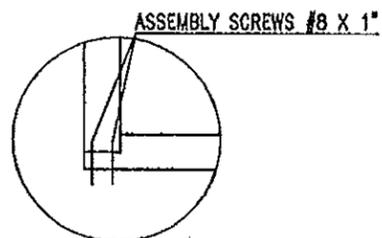
**QUARTER ROUND
TYPICAL ELEVATION**

DESIGN PRESSURES
 POSITIVE = +90.00 PSF
 NEGATIVE = -90.00 PSF

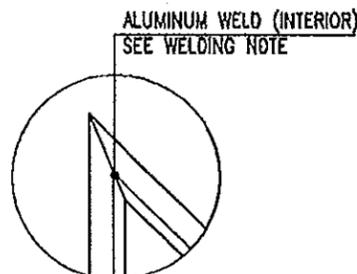


**FULL ROUND
TYPICAL ELEVATION**

DESIGN PRESSURES
 POSITIVE = +90.00 PSF
 NEGATIVE = -90.00 PSF



CORNER DETAIL #1



CORNER DETAIL #2

GLASS:

0.34" OVERALL LAMINATED GLASS USING TWO LITES OF 1/8" HEAT STRENGTHENED GLASS WITH A 0.090 SAFLEX III INTERLAYER FILM BY SOLUTIA.

WELDING:

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

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 13-0912.03
 Expiration Date Sept. 11, 2014
 By *Manuel Perez*
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0314.11
 Expiration Date Sept. 11, 2013
 By *Manuel Perez*
 Miami Dade Product Control

Francisco Hernandez
 3-9-12
 FRANCISCO HERNANDEZ
 FLORIDA, PE # 51393

GENERAL NOTES:

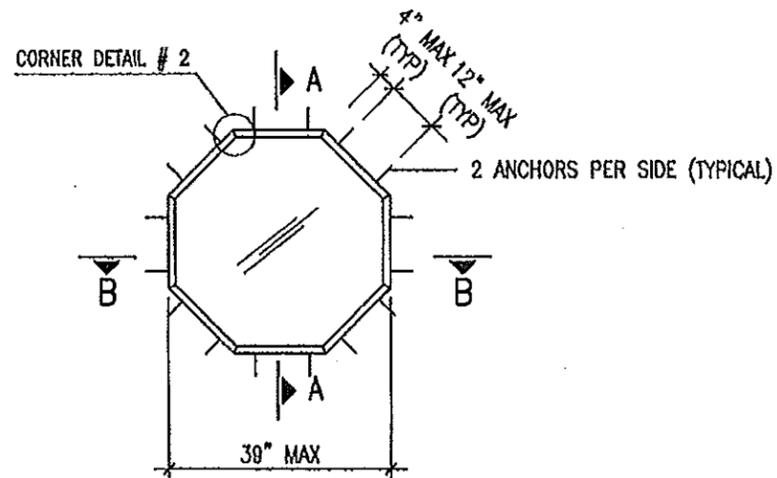
- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 4.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 5.- CONCRETE STRENGTH f'c=3,200 psi MIN., CMU PER ASTM C90, FILLED CMU fm=2,000 psi MIN.
- 6.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 7.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" G= 0.55 OR GREATER DENSITY.
- 8.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6, STEEL SHALL BE Fy= 36 KSI MIN.
- 9.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

Sunshine Windows Manufacturing, Inc.
 1745 W. 33rd Place
 Hialeah, Florida 33012
 PH: (305)384-9982
 FAX: (305)828-6118

**SERIES 4302 ALUMINUM
FIXED WINDOW
IMPACT RESISTANT GLASS**

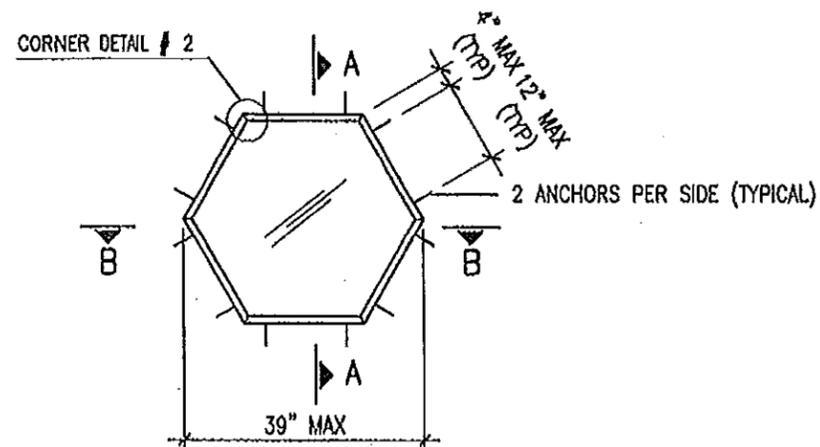
No	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC

DRAWING No.
 PW08-01
 DATE: 08-18-08
 SCALE: 1/2"=1"
 SHEET 5 OF 8



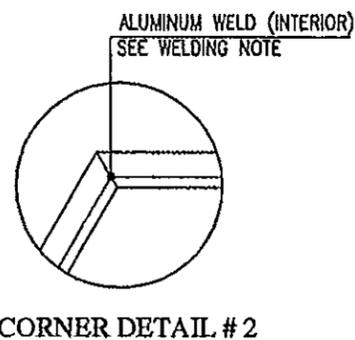
**OCTAGON
TYPICAL ELEVATION**

DESIGN PRESSURES
 POSITIVE = +90.00 PSF
 NEGATIVE = -90.00 PSF



**HEXAGON
TYPICAL ELEVATION**

DESIGN PRESSURES
 POSITIVE = +90.00 PSF
 NEGATIVE = -90.00 PSF



GLASS:
 0.34" OVERALL LAMINATED GLASS USING TWO LITES OF 1/8" HEAT STRENGTHENED GLASS WITH A 0.090 SAFLEX III INTERLAYER FILM BY SOLUTIA.

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

- GENERAL NOTES:**
- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
 - SHUTTERS ARE NOT REQUIRED.
 - FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
 - FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DIST. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
 - CONCRETE STRENGTH $f'c=3,200$ psi MIN., CMU PER ASTM C90, FILLED CMU $f_m=2,000$ psi MIN.
 - USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
 - WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE" $G=0.55$ OR GREATER DENSITY.
 - THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE $F_y=36$ KSI MIN.
 - WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
 - ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

PRODUCT RENEWED
 As complying with the Florida Building Code
 Acceptance No. 13-0912-03
 Expiration Date Sept. 11, 2014
 By *Manuel Perez*
 Miami Dade Product Control

PRODUCT REVISED
 As complying with the Florida Building Code
 Acceptance No. 12-0314-11
 Expiration Date Sept. 11, 2013
 By *Manuel Perez*
 Miami Dade Product Control

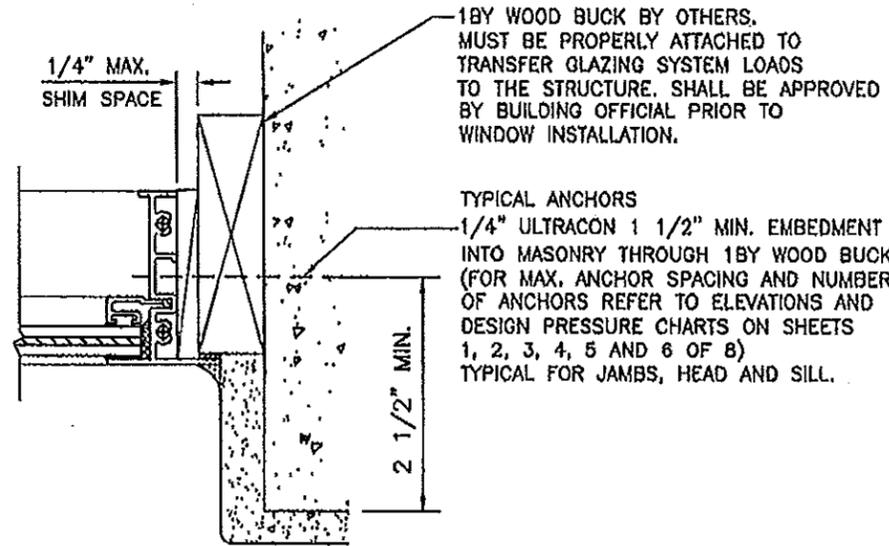
Manuel Perez
 3-9-12
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

Sunshine Windows Manufacturing, Inc.
 1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)384-9952
 Fax: (305)828-6118

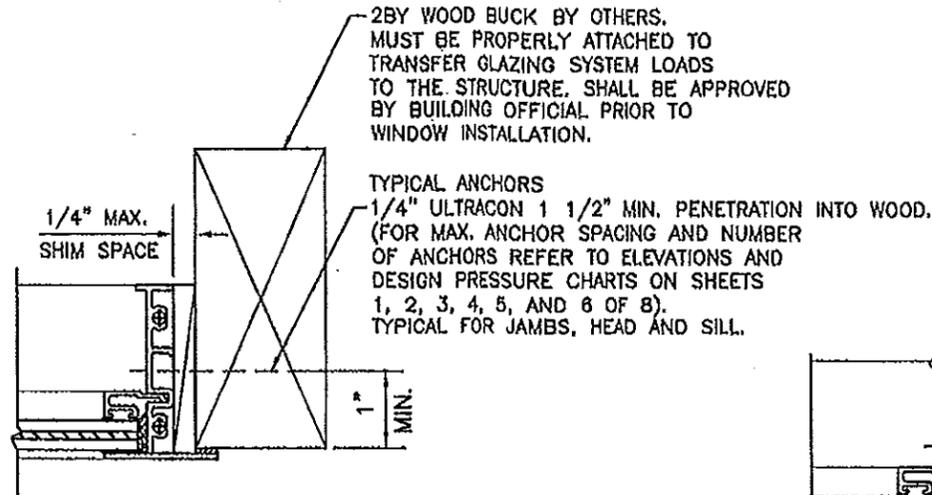
SERIES 4302 ALUMINUM
 FIXED WINDOW
 IMPACT RESISTANT GLASS

NO.	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC

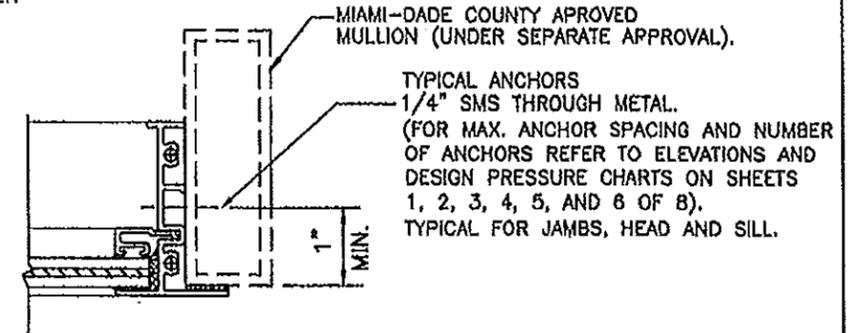
DRAWING No.
 PW08-01
 DATE: 08-18-08
 SCALE: 1/2"=1"
 SHEET 6 OF 8



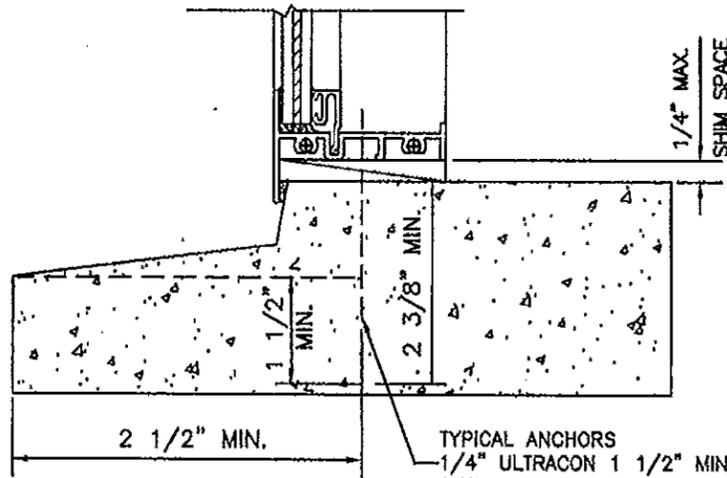
ATTACHMENT TO MASONRY



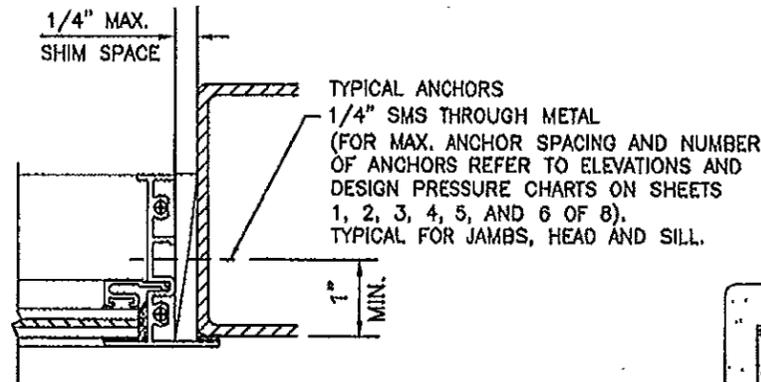
ATTACHMENT TO WOOD



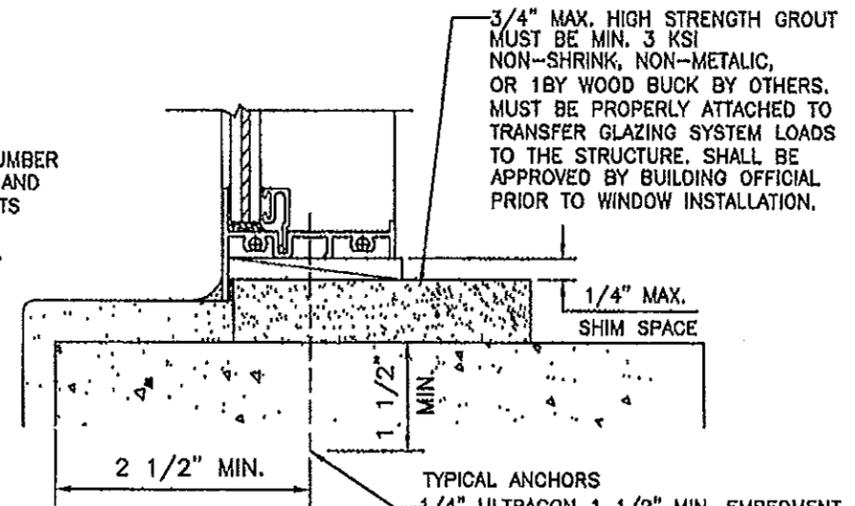
ATTACHMENT TO MULLION DETAIL



ATTACHMENT TO PRE-CAST SILL



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



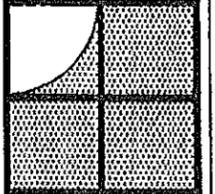
ATTACHMENT TO MASONRY

TYPICAL SECTIONS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-0912-03
Expiration Date Sept. 11, 2014
By Manuel Perez
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0314-11
Expiration Date SEPT. 11, 2013
By Manuel Perez
Miami Dade Product Control

3-9-12
FRANCISCO HERNANDEZ
FLORIDA, PE # 51393

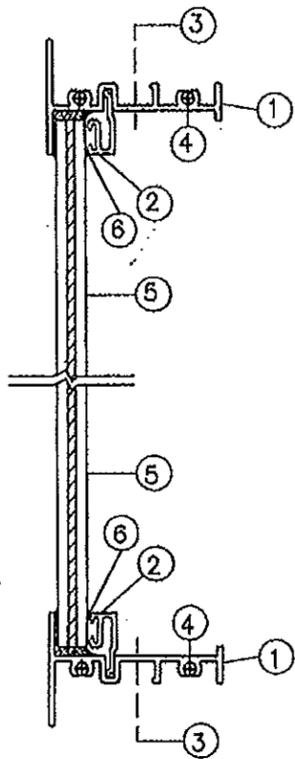


Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)384-9852
Fax: (305)828-5118

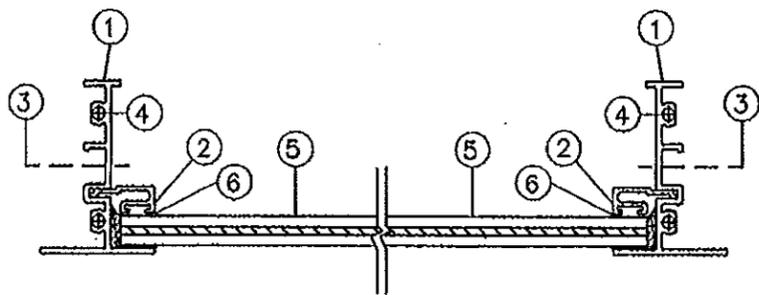
SERIES 4302 ALUMINUM
FIXED WINDOW
IMPACT RESISTANT GLASS

No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET

DRAWING No.
PW08-01
DATE: 08-18-08
SCALE: 1/2"=1"
SHEET 7 OF 8

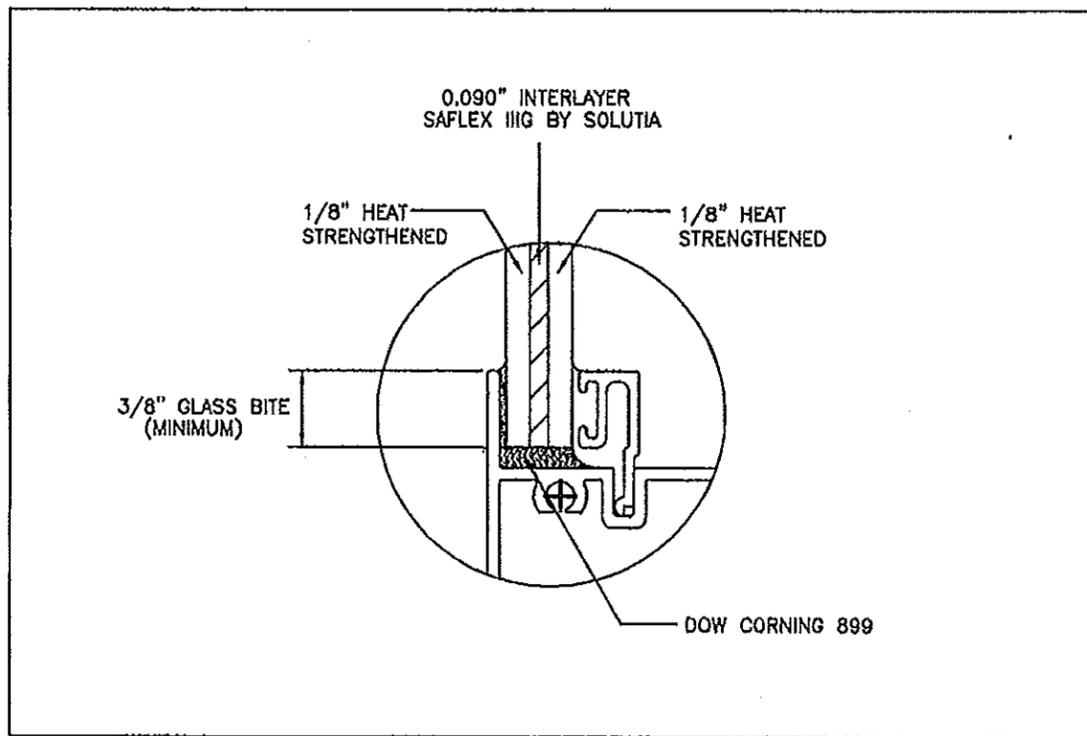


SECTION A - A



SECTION B - B

GLAZING DETAIL

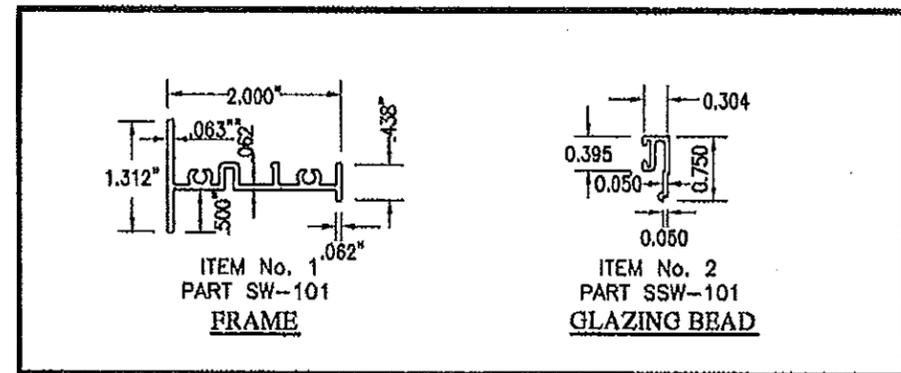


MATERIAL LIST

ITEM #	PART	DESCRIPTION	MATERIAL
1	SW-101	HEAD, SILL AND JAMB	6063-T6
2	SSW-101	GLAZING BEAD	6063-T6
3	ANCHORS	SEE ELEVATION SHEETS	
4	# 8" X 1" PH S.M.S	ASSEMBLY SCREW	
5	.340" LAMINATED GLASS/HEAT STR.	SEE GLAZING DETAIL SHEET B	
6	-	STRUCTURAL SILICONE	DOW CORNING 899

Sunshine Windows Manufacturing, Inc.
 1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)364-8852
 Fax: (305)828-5118

SERIES 4302 ALUMINUM
 FIXED WINDOW
 IMPACT RESISTANT GLASS



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 13-0912-03
 Expiration Date Sept 11, 2014
 By *Marcos Perez*
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0314-11
 Expiration Date SEPT 11, 2013
 By *Marcos Perez*
 Miami Dade Product Control

[Signature]
 2-9-12
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

NO	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET

DRAWING No.
PW08-01
 DATE: 08-18-08
 SCALE: 1/2" = 1"
 SHEET 8 OF 8