



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

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Sunshine Windows Manufacturing, Inc.  
1745 W. 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 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 "F-2009" Steel Fixed Window - N.I.**

**APPROVAL DOCUMENT:** Drawing No. FW09, titled "Series F-2009 Steel Frame Fixed Window with 90 Min. Fire Rated Firelite Glass", sheets 1 through 4 of 4, dated 11/18/09, with revision #2 dated 11/03/14, 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 Section.

**MISSILE IMPACT RATING: None.**

**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 revise and renews NOA# 12-0320.05 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



*MP*  
*7/31/15*

NOA No. 14-1202.02  
Expiration Date: December 16, 2019  
Approval Date: March 26, 2015  
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **FW09**, titled "Series F-2009 Steel Frame Fixed Window with 90 Min. Fire Rated Firelite Glass", sheets 1 through 4 of 4, dated 11/18/09, with revision #2 dated 11/03/14, prepared by manufacturer, signed and sealed by Francisco Hernández, 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) 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 a steel fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5990**, dated 07/30/09, signed and sealed by Julio E. Gonzalez, P.E.  
*(Submitted under NOA#09-0915.14)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated 11/03/14, prepared, signed and sealed by Francisco Hernandez, P.E.
2. Glazing complies with **ASTM E1300-04**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

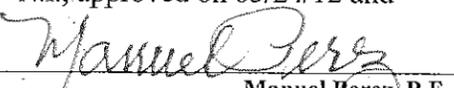
1. None.

**F. STATEMENTS**

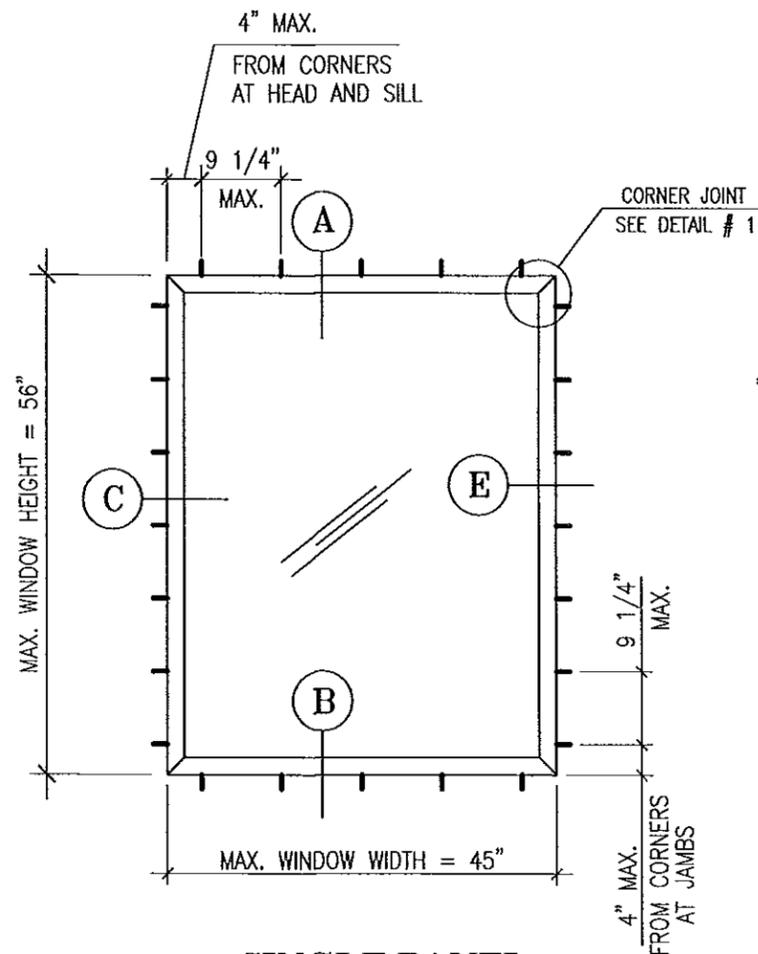
1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated November 5, 2015, signed and sealed by Francisco Hernandez, P.E.
2. Statement letter of no financial interest, dated November 5, 2015, signed and sealed by Francisco Hernandez, P.E.

**G. OTHERS**

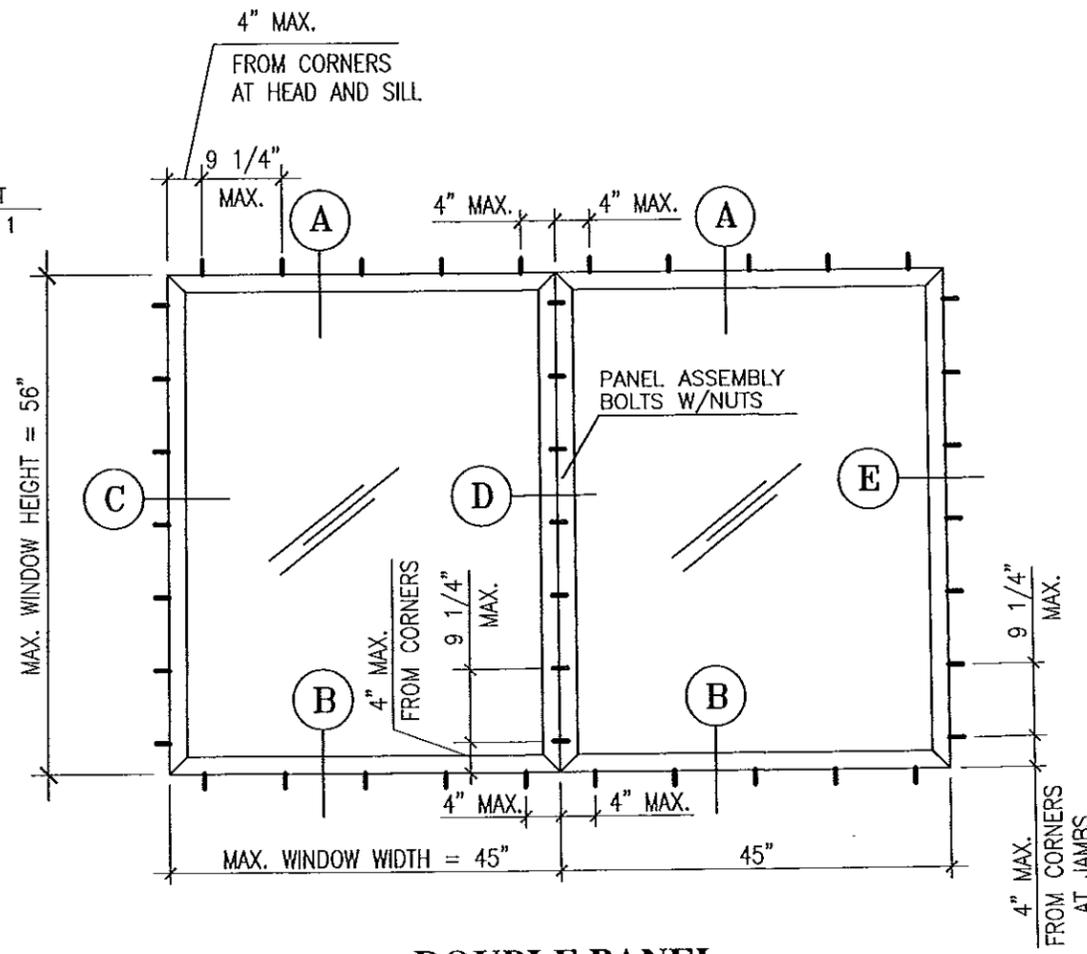
1. Notice of Acceptance No. **12-0320.05**, issued to Sunshine Windows Manufacturing, Inc. for their Series "F-2009" Steel Fixed Window - N.I., approved on 05/24/12 and expiring on 12/16/14.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 14-1202.02

Expiration Date: December 16, 2019  
Approval Date: March 26, 2015



**SINGLE PANEL  
STEEL FRAME FIXED WINDOW**



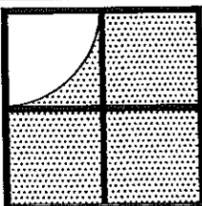
**DOUBLE PANEL  
STEEL FRAME FIXED WINDOW**

**GENERAL NOTES**

- 1- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014).
- 2- SHUTTERS ARE REQUIRED FOR MISSILE IMPACT PROTECTION.
- 3- REFERENCE TEST REPORT FTL - 5990 DATED JULY 3, 2009.
- 4- USE SINGLE PANEL DIMENSIONS IN DESIGN PRESSURES CHART
- 5- FOR NUMBER OF ANCHORS SEE DESIGN PRESSURE CHART.
- 6- FOR ANCHOR SPACING SEE ELEVATIONS ON THIS SHEET.
- 7- FOR INSTALLATION SEE SECTIONS ON SHEET 3 OF 4.
- 8- FOR WELDING DETAILS SEE SHEET 4 OF 4.
- 6- 33.3 % ALLOWABLE STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF ANCHORS.
- 10- STEEL IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).

**DESIGN PRESSURES CHART - PSF**

| PANEL SIZE<br>H X W<br>INCHES | NUMBER OF ANCHORS<br>PER PANEL |               | 3/16" FIRELITE<br>90 MIN.<br>FIRE RATED. |        |
|-------------------------------|--------------------------------|---------------|--|--------|
|                               | LONG<br>SIDE                   | SHORT<br>SIDE | POS.                                     | NEG.   |
| 56 X 45                       | 7                              | 5             | 50.00                                    | 50.00  |
| 56 X 40                       |                                | 5             | 52.80                                    | 52.80  |
| 56 X 36                       |                                | 5             | 55.60                                    | 55.60  |
| 56 X 30                       |                                | 4             | 61.50                                    | 61.50  |
| 56 X 24                       |                                | 3             | 72.10                                    | 72.10  |
| 56 X 18                       |                                | 3             | 90.00                                    | 90.00  |
| 48 X 45                       |                                | 6             | 5  | 50.00  |
| 48 X 40                       | 5                              |               | 56.20                                    | 56.20  |
| 48 X 36                       | 5                              |               | 60.40                                    | 60.40  |
| 48 X 30                       | 4                              |               | 65.90                                    | 65.90  |
| 48 X 24                       | 3                              |               | 75.50                                    | 75.50  |
| 48 X 18                       | 3                              |               | 92.90                                    | 92.90  |
| 36 X 45                       | 5                              | 5             | 52.00                                    | 52.00  |
| 36 X 40                       |                                | 5             | 56.80                                    | 56.80  |
| 36 X 36                       |                                | 5             | 62.50                                    | 62.50  |
| 36 X 30                       |                                | 4             | 75.00                                    | 75.00  |
| 36 X 24                       |                                | 3             | 85.00                                    | 85.00  |
| 30 X 45                       | 4                              | 5             | 56.20                                    | 56.20  |
| 30 X 40                       |                                | 5             | 60.00                                    | 60.00  |
| 30 X 30                       |                                | 4             | 75.00                                    | 75.00  |
| 30 X 24                       |                                | 3             | 93.70                                    | 93.70  |
| 30 X 18                       | 3                              | 3             | 100.00                                   | 107.90 |
| 24 X 45                       |                                | 5             | 63.90                                    | 63.90  |
| 24 X 40                       |                                | 5             | 66.90                                    | 66.90  |
| 24 X 24                       | 3                              | 3             | 93.70                                    | 93.70  |
| 24 X 18                       |                                | 3             | 100.00                                   | 120.80 |
| 18 X 45                       | 3                              | 5             | 78.10                                    | 78.10  |
| 18 X 40                       |                                | 5             | 80.60                                    | 80.60  |



Sunshine Windows  
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Ph: (305)364-9952  
Fax:(305)828-5118

**SERIES F-2009  
STEEL FRAME FIXED WINDOW  
WITH 90 MIN. FIRE RATED  
FIRELITE GLASS**

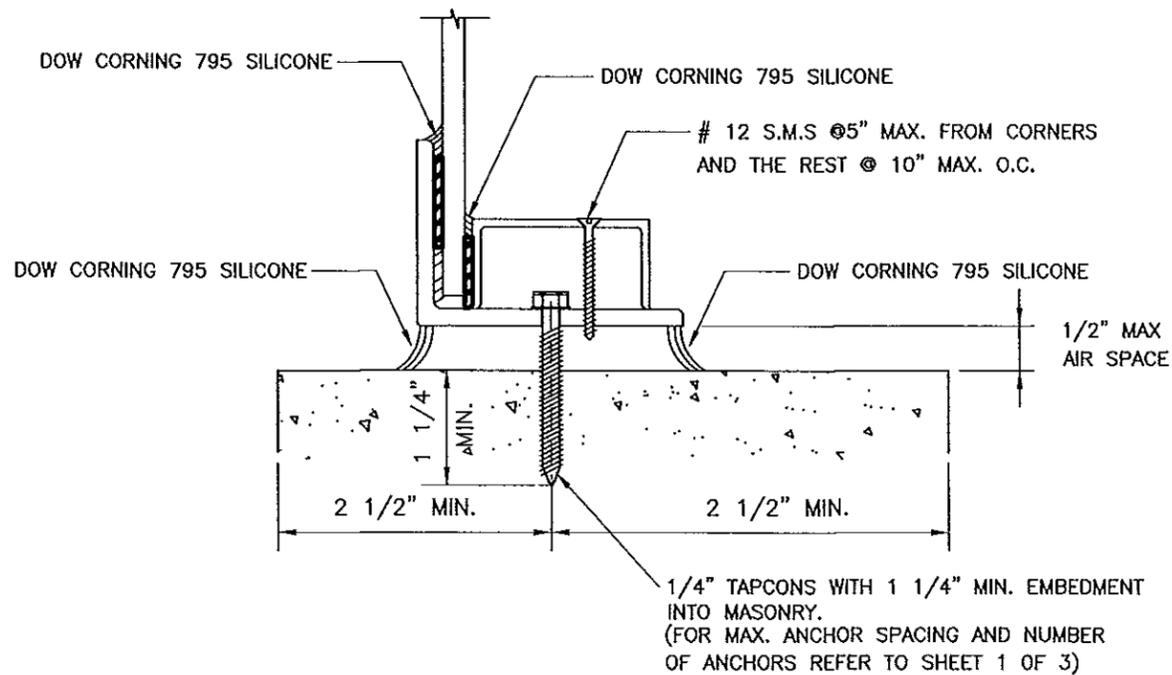
| No | DATE     | REVISION  |
|----|----------|---|
| 1  | 03-13-12 | UPDATED FOR 2010 FBC                              |
| 2  | 11-03-14 | RENEWAL IN COMPLIANCE WITH FBC 5TH EDITION (2014) |

DRAWING No.  
**FW09**  
DATE: 11-18-09  
SCALE: 1/2"=1"  
SHEET 1 OF 4

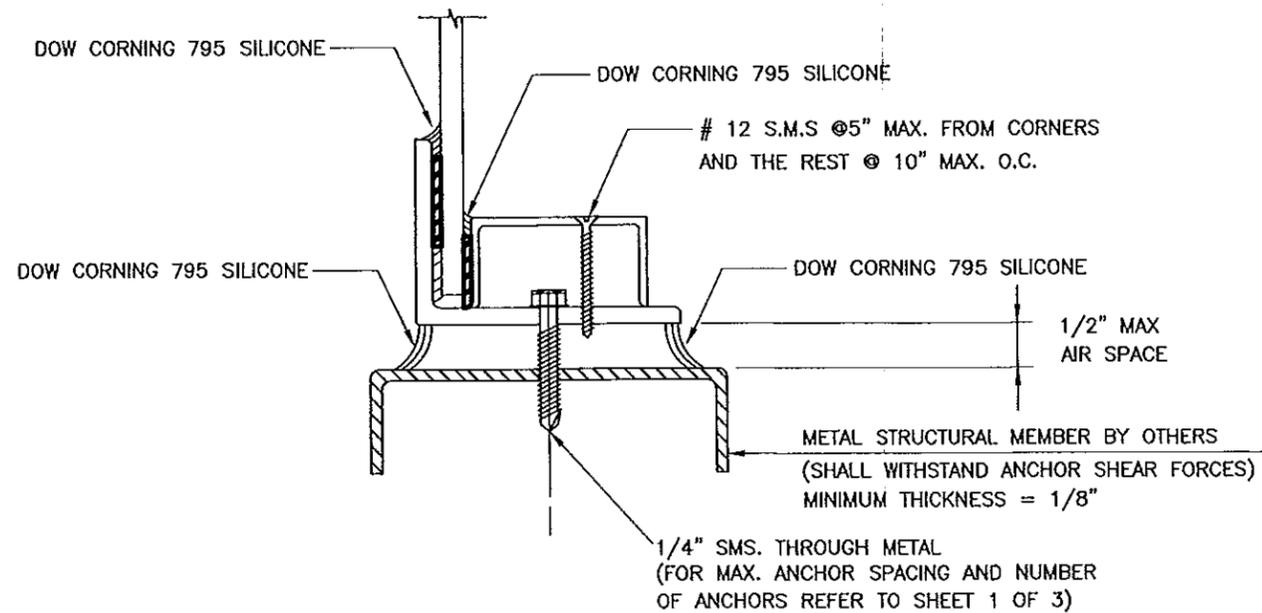
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No *14-1202.02*  
Expiration Date *Dec. 16, 2019*  
By *Francisco Hernandez*  
Miami Dade Product Control

*[Signature]*  
11-05-14  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



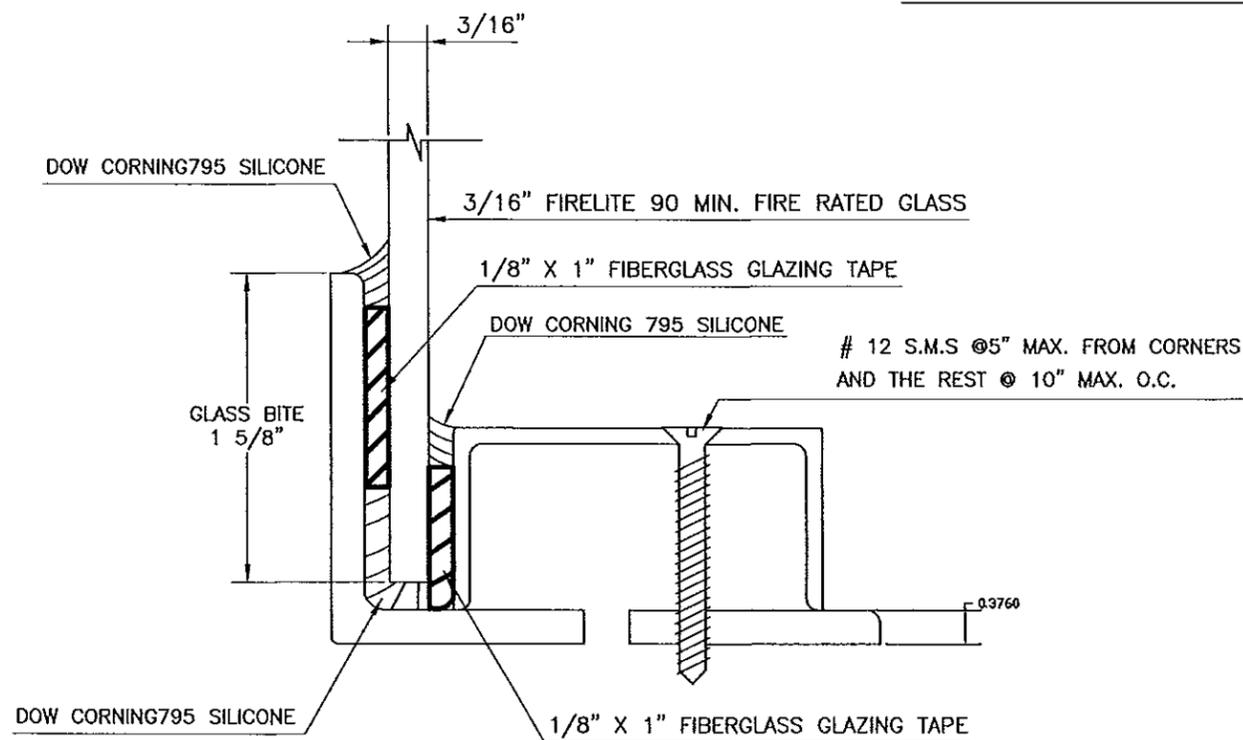


ATTACHMENT TO MASONRY



ATTACHMENT TO METAL STRUCTURE

CONNECTION DETAILS



GLAZING DETAIL

Scale: 1" = 1"

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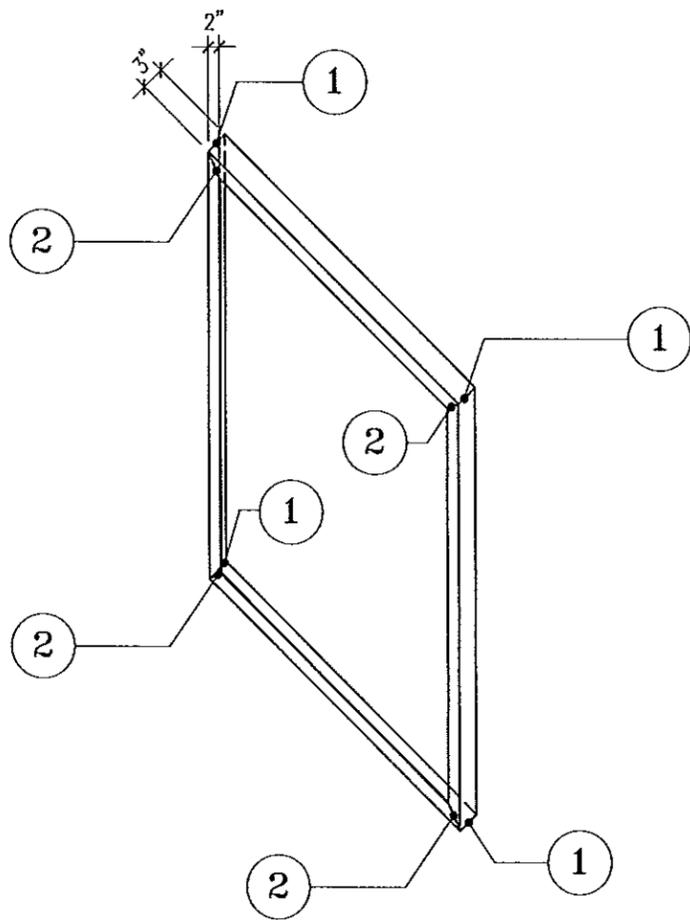
SERIES F-2009  
 STEEL FRAME FIXED WINDOW  
 WITH 90 MIN. FIRE RATED  
 FIRELITE GLASS

| No | DATE     | REVISION  |
|----|----------|---|
| 1  | 03-13-12 | NO CHANGE THIS SHEET                              |
| 2  | 11-03-14 | RENEWAL IN COMPLIANCE WITH FBC 5TH EDITION (2014) |

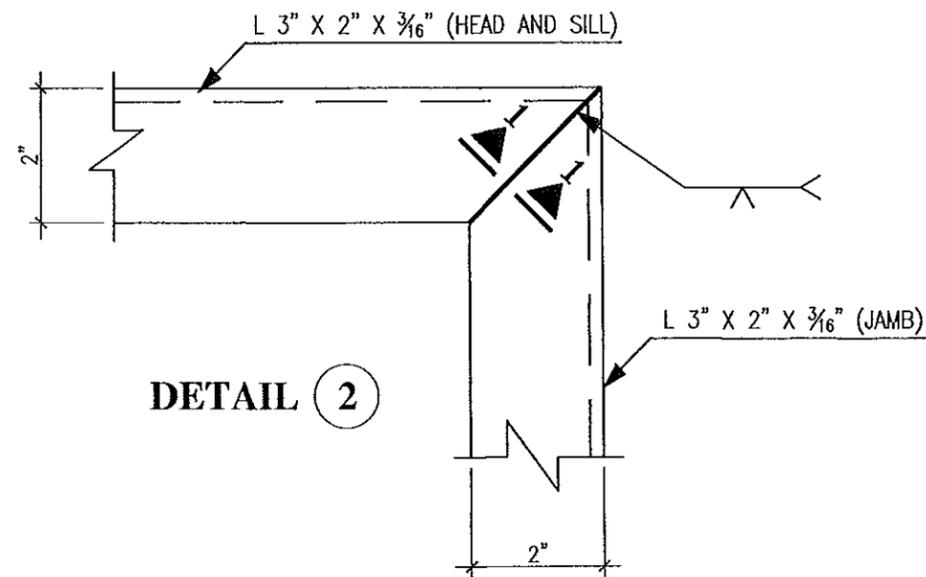
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 as complying with the Florida  
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 Acceptance No. 14-1202.02  
 Expiration Date Dec 16, 2019  
 By Manuel Perez  
 Miami Dade Product Control

*[Signature]*  
 11-05-14  
 FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

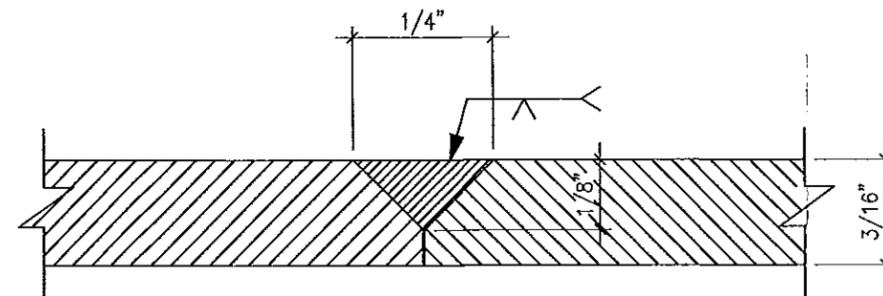
DRAWING No.  
 FW09  
 DATE: 11-18-09  
 SCALE: 1/2"=1"  
 SHEET 3 OF 4



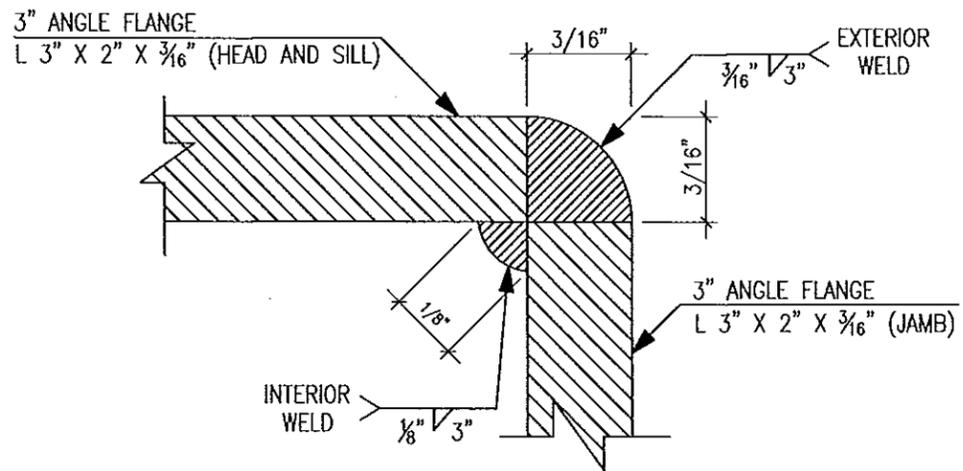
**STEEL FRAME FIXED WINDOW**



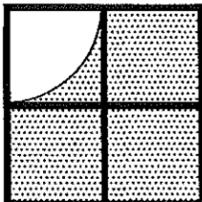
**DETAIL 2**



**SECTION 1-1**



**DETAIL 1**



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**SERIES F-2009**  
**STEEL FRAME FIXED WINDOW**  
**WITH 90 MIN. FIRE RATED**  
**FIRELITE GLASS**

| No | DATE     | REVISION  |
|----|----------|---|
| 1  | 03-13-12 | UPDATED FOR 2010 FBC                              |
| 2  | 11-03-14 | RENEWAL IN COMPLIANCE WITH FBC 5TH EDITION (2014) |

DRAWING No.  
**FW09**  
DATE: 11-18-09  
SCALE: N.T.S.  
SHEET 4 OF 4

PRODUCT REVISED  
as complying with the Florida  
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Expiration Date *Dec 16, 2019*  
By *Manuel Perez*  
Miami Dade Product Control

*[Signature]*  
11-05-14  
FRANCISCO HERNANDEZ  
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