



MIAMI-DADE COUNTY
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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

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 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 3 of 3, dated 11/18/09, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval 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 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.**



NOA No. 09-0915.14
Expiration Date: December 16, 2014
Approval Date: December 16, 2009
 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 3 of 3, dated 11/18/09, prepared by manufacturer, 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) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along 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.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 09/02/09, prepared, signed and sealed by Francisco Hernandez, P. E.
Complies with ASTM E1300-02/04

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None.

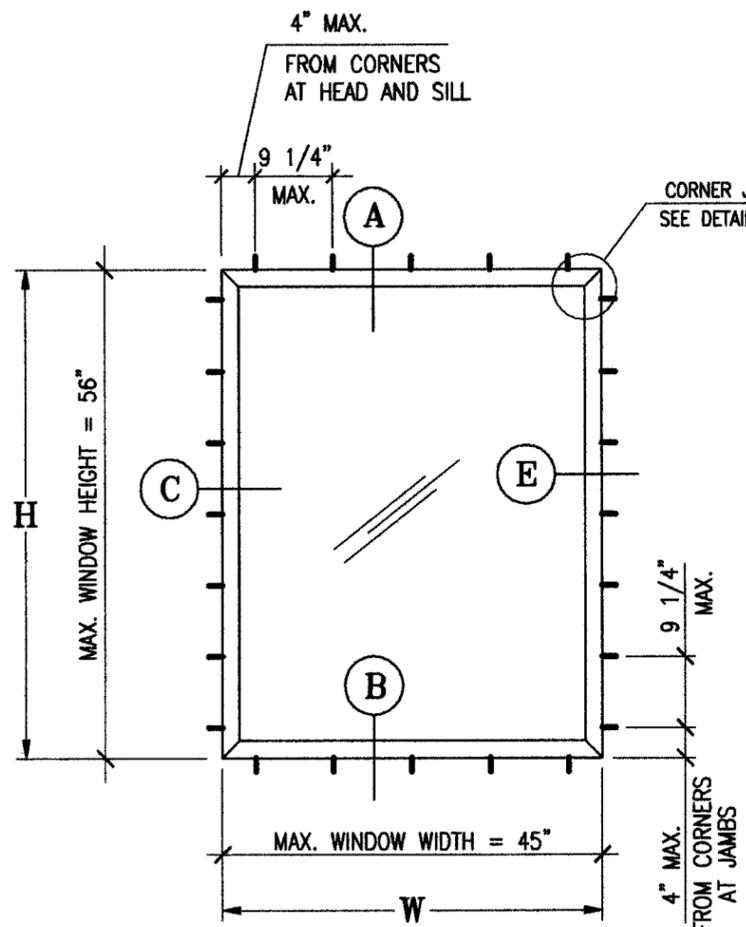
F. STATEMENTS

1. Statement letter of conformance, dated September 2, 2009, signed and sealed by Francisco Hernandez, P. E.
2. Statement letter of no financial interest, dated September 2, 2009, signed and sealed by Francisco Hernandez, P.E.

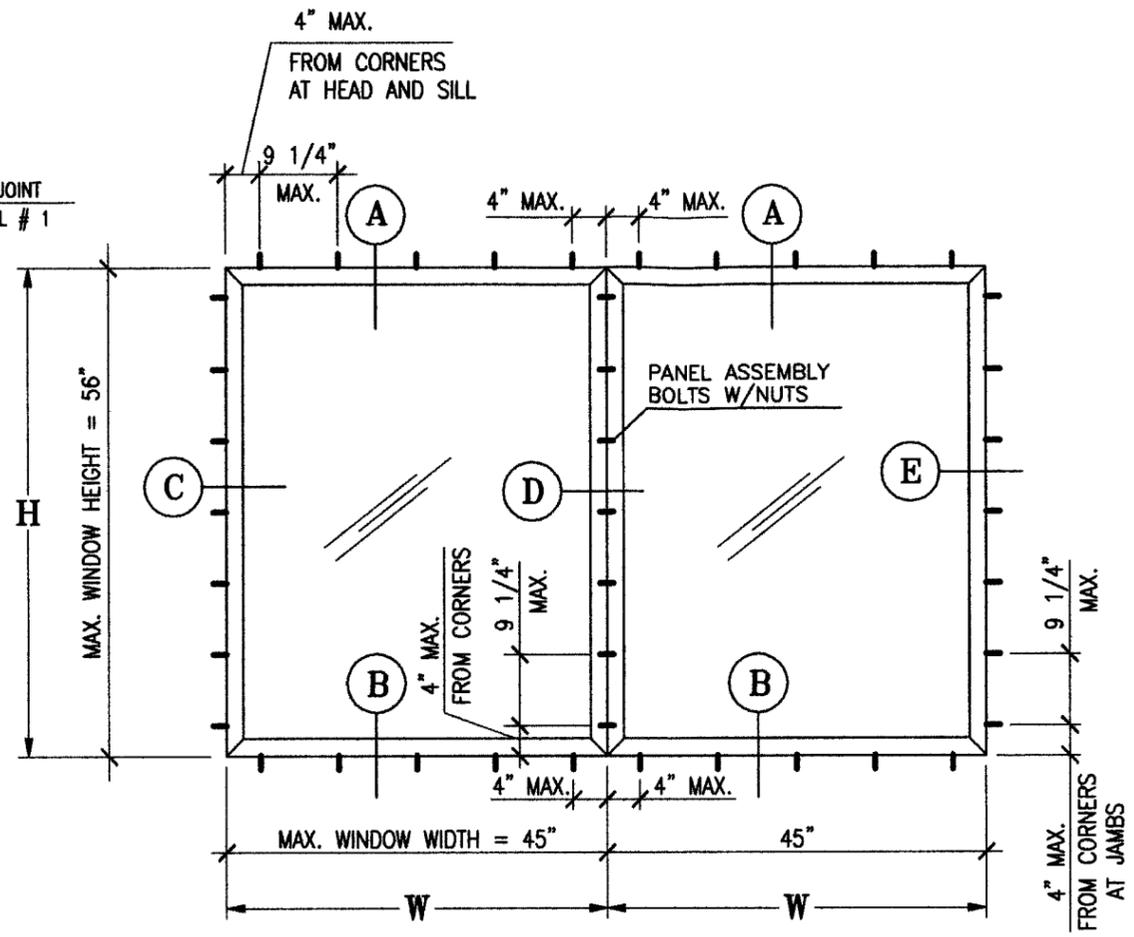
G. OTHERS

1. None.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 09-0915.14
Expiration Date: December 16, 2014
Approval Date: December 16, 2009



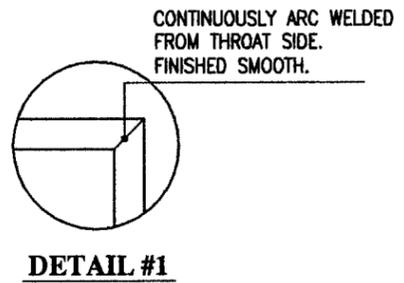
**SINGLE PANEL
STEEL FRAME FIXED WINDOW**



**DOUBLE PANEL
STEEL FRAME FIXED WINDOW**

DESIGN PRESSURE CHART - PSF

PANEL SIZE H x W INCHES	NUMBER OF ANCHORS PER PANEL		3/16" FIRELITE 90 MIN. FIRE RATED.	
	H	W	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



GENERAL NOTES

- 1- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2007 FLORIDA BUILDING CODE.
- 2- SHUTTERS ARE REQUIRED FOR MISSILE IMPACT PROTECTION.
- 3- REFERENCE TEST REPORT FTL - 5990
- 4- USE SINGLE PANEL DIMENSIONS IN DESIGN PRESSURE CHART
- 5- FOR NUMBER OF ANCHORS SEE DESIGN PRESSURE CHART.
- 6- FOR INSTALLATION SEE SECTIONS ON SHEET 3 OF 3.

Approved as complying with the Florida Building Code
 Date DEC. 16, 2009
 NOA# 09-0915.14
 Miami Dade Product Control
 Division
 By Manuel Perez

[Signature]
 11-20-09
 FRANCISCO HERNANDEZ
 FLORIDA PE # 51393

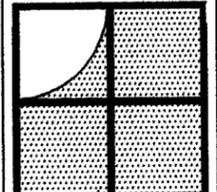
Sunshine Windows Manufacturing, Inc.
 1745 W. 33rd Place
 Hialeah, Florida 33012
 Ph: (305)364-9952
 Fax: (305)828-5118

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

Drawn By: NM
 Date: 11-18-09
 Scale: N.T.S.
 Revision: _____
 Revision: _____

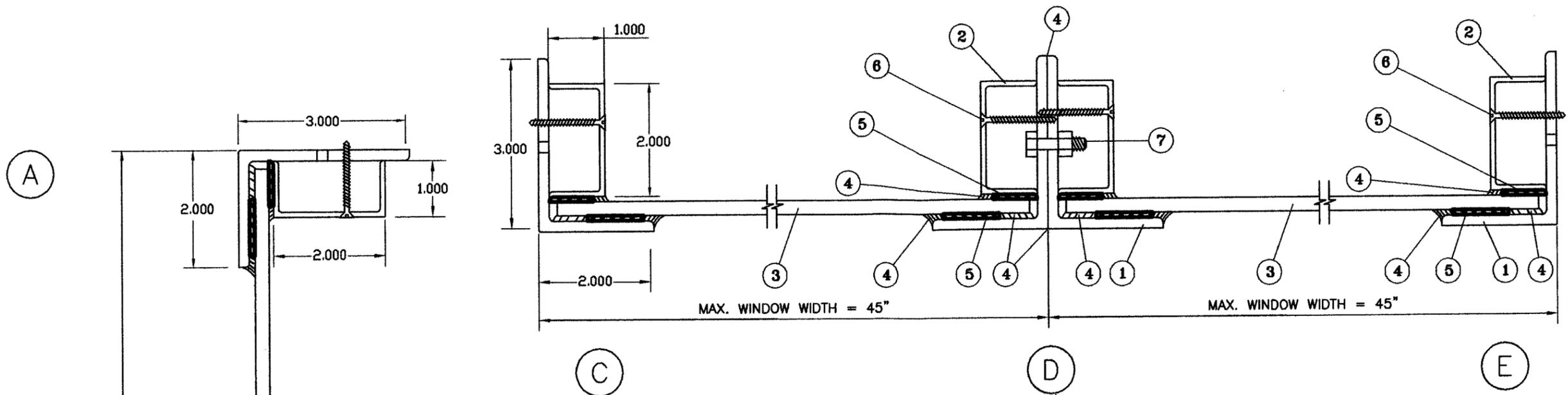
DRAWING NO.
FW09

SHEET
1 OF 3



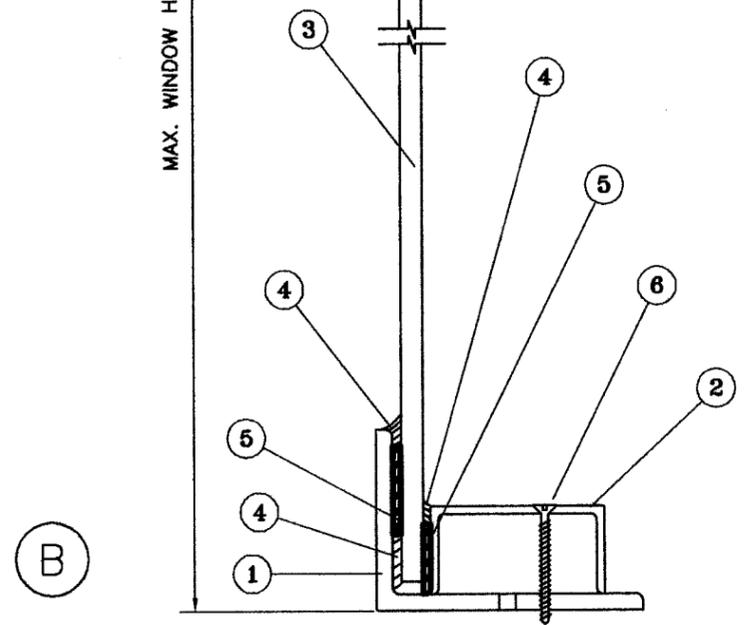
Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

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



HORIZONTAL SECTION

MAX. WINDOW HEIGHT = 56"



VERTICAL SECTION

MATERIAL LIST				
ITEM	QTY.	DESCRIPTION	MATERIAL	NOTES
1	AS REQ.	3" X 2" X 3/16" ANGLE	STEEL (GRADE A36)	WINDOW FRAME
2	AS REQ.	2" X 1" X 1/8" CHANNEL	STEEL (GRADE A36)	GLAZING BEAD
3	1	3/16" FIRELITE GLASS	CERAMIC GLASS	90 MIN. FIRE RATED GLASS
4	AS REQ.	DOW CORNING 795	SILICONE	GLAZING SEALANT
5	AS REQ.	1/8" X 1" GLAZING TAPE	FIBERGLASS	SPACER
6	AS REQ.	# 12 S.M.S.	STEEL	GLAZING BEAD SCREW
7	AS REQ.	1/4" HEX HEAD BOLT W/NUTS	STEEL	TWO PANELS ASSEMBLY BOLTS

1

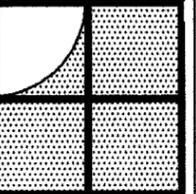
2

Approved as complying with the
Florida Building Code
Date: DEC. 16 2009
NGA# 09-0915.14
Miami Dade Product Control
By: *Manuel Perez*

FH
11-20-09
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

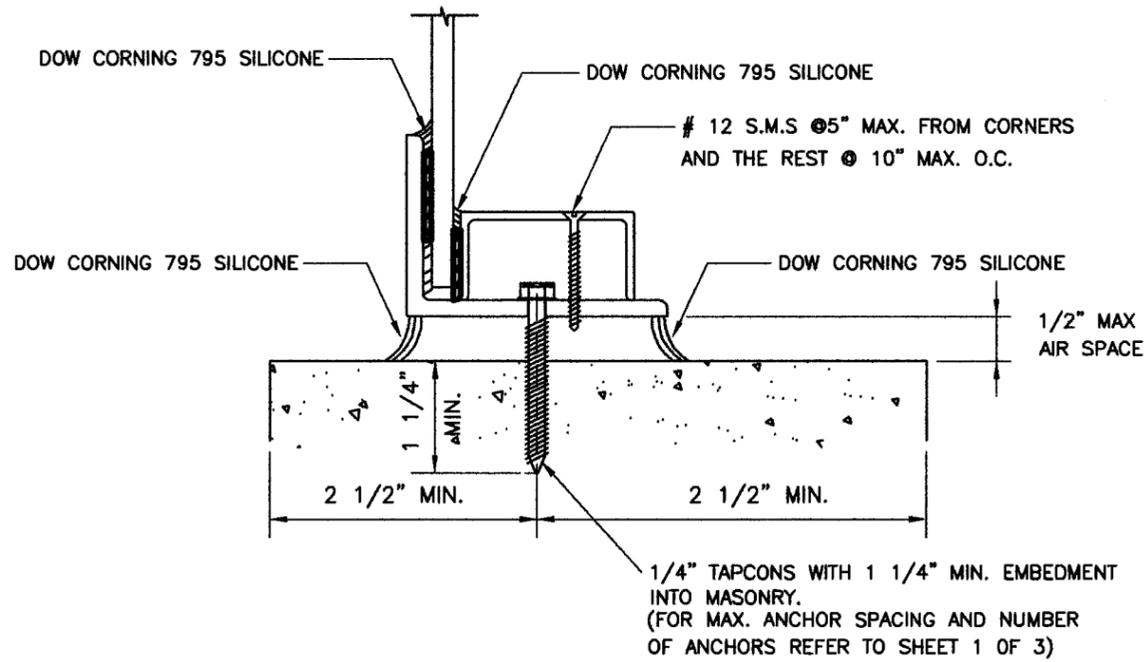
Drawn By: NM
Date: 11-18-09
Scale: 1/2" = 1"
Revision: _____
Revision: _____

DRAWING NO.
FW09
SHEET
2 OF 3

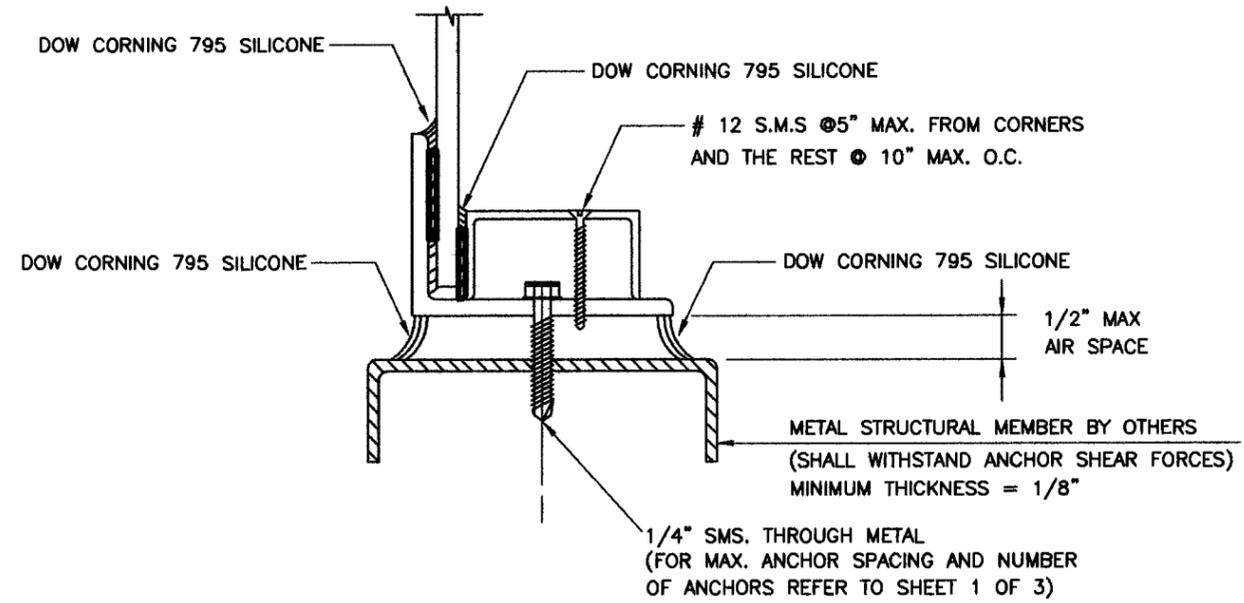


Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

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

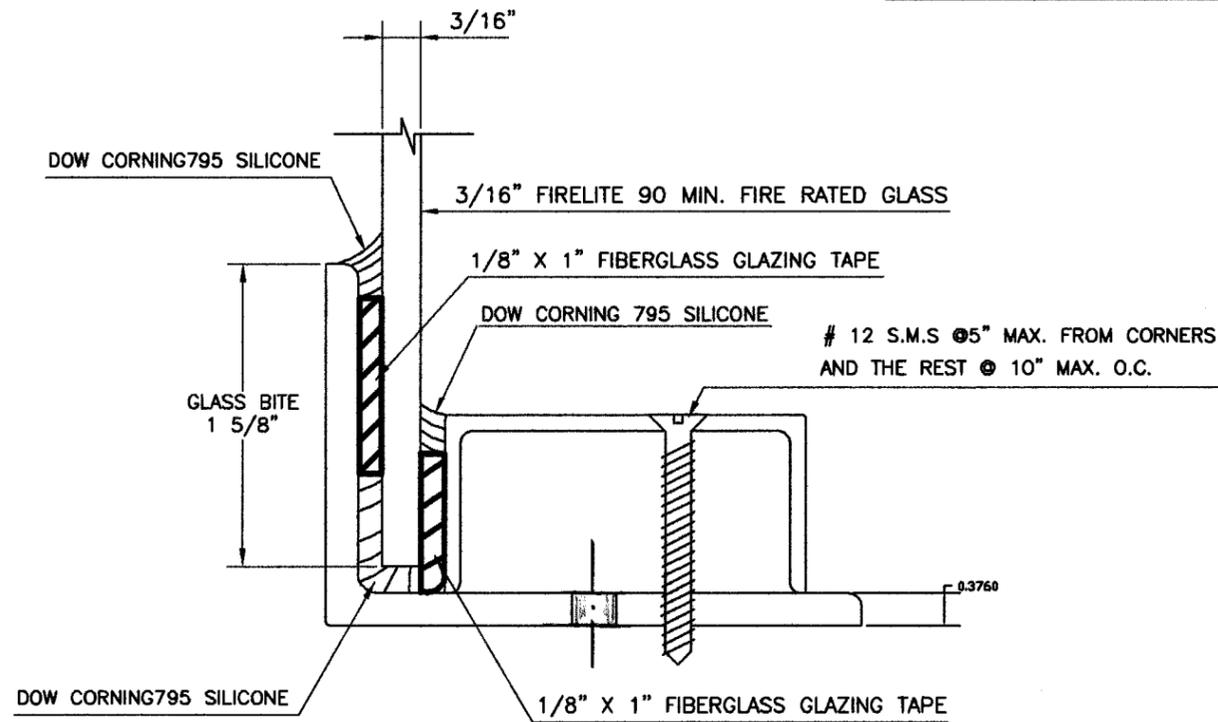


ATTACHMENT TO MASONRY



ATTACHMENT TO METAL STRUCTURE

CONNECTION DETAILS



GLAZING DETAIL

Scale: 1" = 1"

Approved as complying with the
Florida Building Code
Date DEC. 16, 2009
NGAS 09-0915.14
Miami Dade Product Control
By Manuel Perez

FWH
11-20-09
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Drawn By: NM
Date: 11-18-09
Scale: 1/2" = 1"
Revision: _____
Revision: _____

DRAWING NO.
FW09

SHEET
3 OF 3