



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

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 BNC - 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. BNC 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 - L.M.I.

APPROVAL DOCUMENT: Drawing No. FWLMI-10, titled "Series F-2009 Steel Frame Fixed Impact Resistant Window with 90 Min. Fire Rated Laminated Glass" sheets 1 through 4 of 4, dated 09/21/10 and revised on 03/15/11, 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 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 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. 10-1004.04
Expiration Date: April 21, 2016
Approval Date: April 21, 2011
 Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **FWLMI-10**, titled "Series F-2009 Steel Frame Fixed Impact Resistant Window with 90 min. Fire Rated Laminated Glass", sheets 1 through 4 of 4, dated 09/21/10 and revised on 03/25/11, 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) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a steel fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6290**, dated July 8, 2010, signed and sealed by Jorge A. Causo, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by manufacturer, dated 09/20/10, signed and sealed by Franco Hernandez, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.03** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 05/13/09, expiring on 01/14/12.

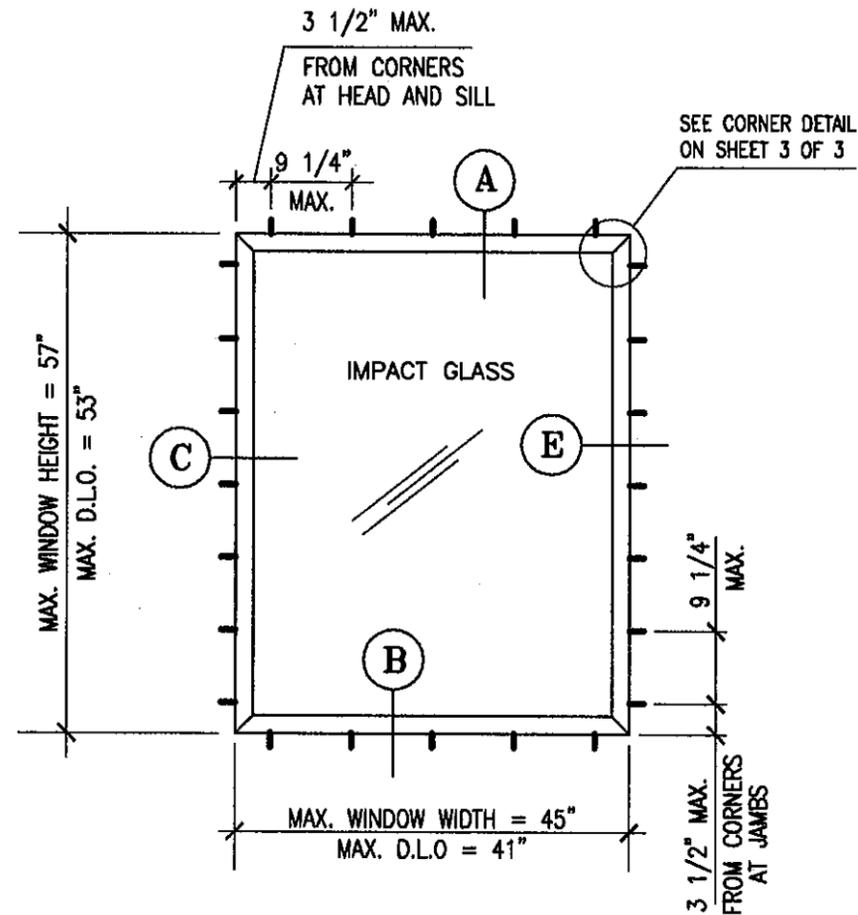
F. STATEMENTS

1. Statement letter of conformance, dated September 20, 2010, signed and sealed by Francisco Hernandez, P.E.
2. Statement letter of no financial interest, dated September 20, 2010, signed and sealed by Francisco Hernandez, P.E.

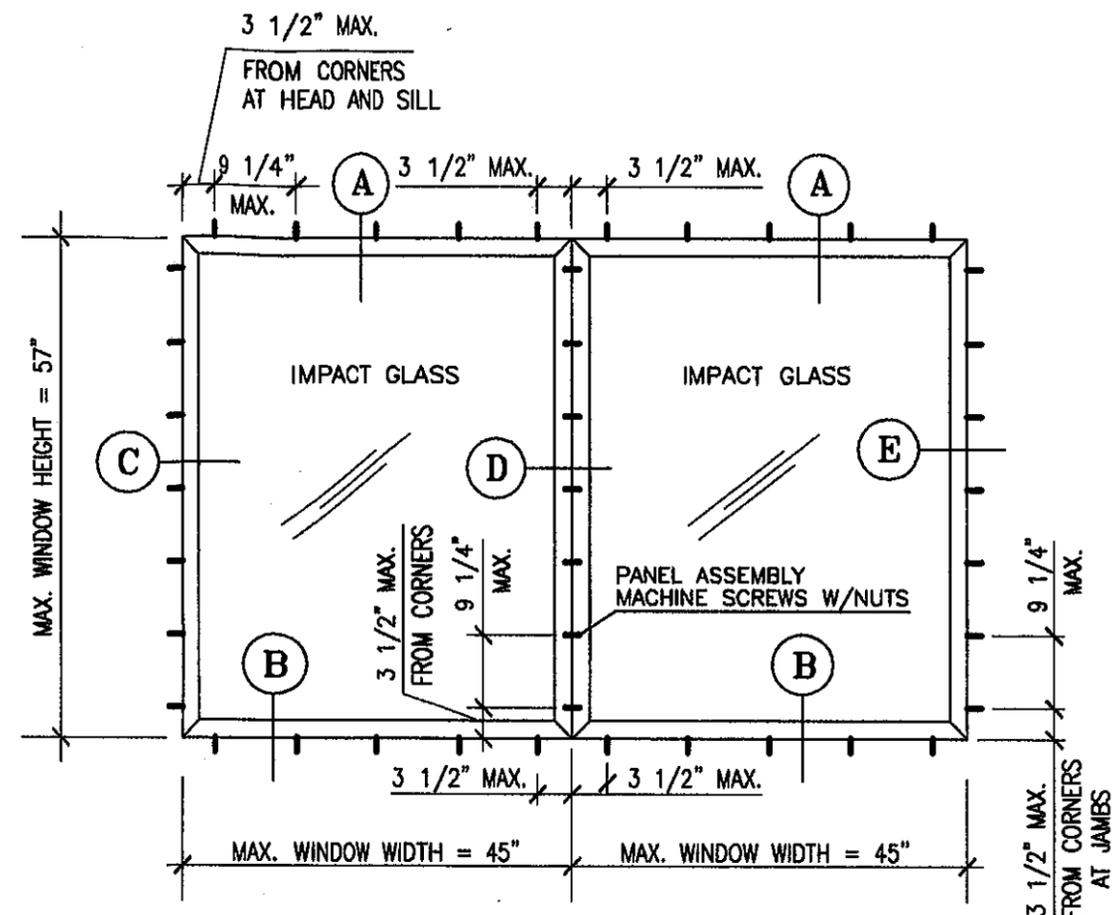
G. OTHERS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 10-1004.04
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**SINGLE PANEL
STEEL FRAME FIXED WINDOW**



**DOUBLE PANEL
STEEL FRAME FIXED WINDOW**

GENERAL NOTES

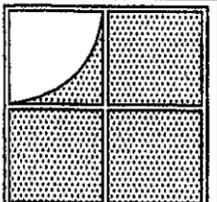
- 1- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2007 FLORIDA BUILDING CODE.
- 2- SHUTTERS ARE NOT REQUIRED.
- 3- REFERENCE TEST REPORT FTL - 6290 DATED JULY 8, 2010.
- 4- ANCHOR MAX. SPACING AS INDICATED ON WINDOW ELEVATIONS (SHEET 1 OF 4).
- 5- FOR INSTALLATION SEE TYPICAL SECTIONS ON SHEET 3 OF 4.
- 6- 33.3 % STRESS INCREASE HAS NOT BEEN USED IN DESIGN OF ANCHORS.
- 7- ALL METAL SURFACES SHALL BE PROTECTED AGAINST CORROSION AS SPECIFIED IN SECTION 2220 OF THE FBC.

DESIGN PRESSURE RATING: +110.00 PSF -110.00 PSF
FOR ALL PANEL SIZES EQUAL OR SMALLER THAN 45" X 57".

Approved as complying with the
Florida Building Code
Date APRIL 21, 2011
NOA# 10-1004.04
Miami Dade Product Control
By Manuel Perez

[Signature]
3-25-11

FRANCISCO HERNANDEZ
FLORIDA PE # 51393



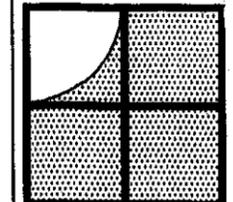
Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

SERIES F-2009
STEEL FRAME FIXED IMPACT RESISTANT WINDOW
WITH 90 MIN. FIRE RATED LAMINATED GLASS

Drawn By: NM
Date: 09-21-10
Scale: N.T.S.
Revision: 3-25-11
Revision:

DRAWING NO.
FWLMI-10

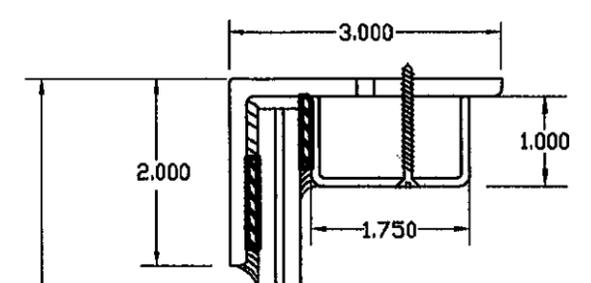
SHEET
1 OF 4



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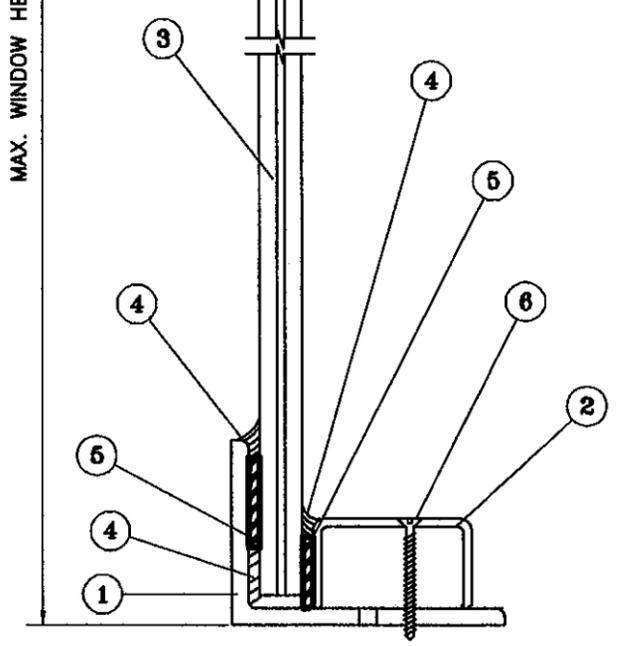
SERIES F-2009
STEEL FRAME FIXED IMPACT RESISTANT WINDOW
WITH 90 MIN. FIRE RATED LAMINATED GLASS

(A)
EXTERIOR

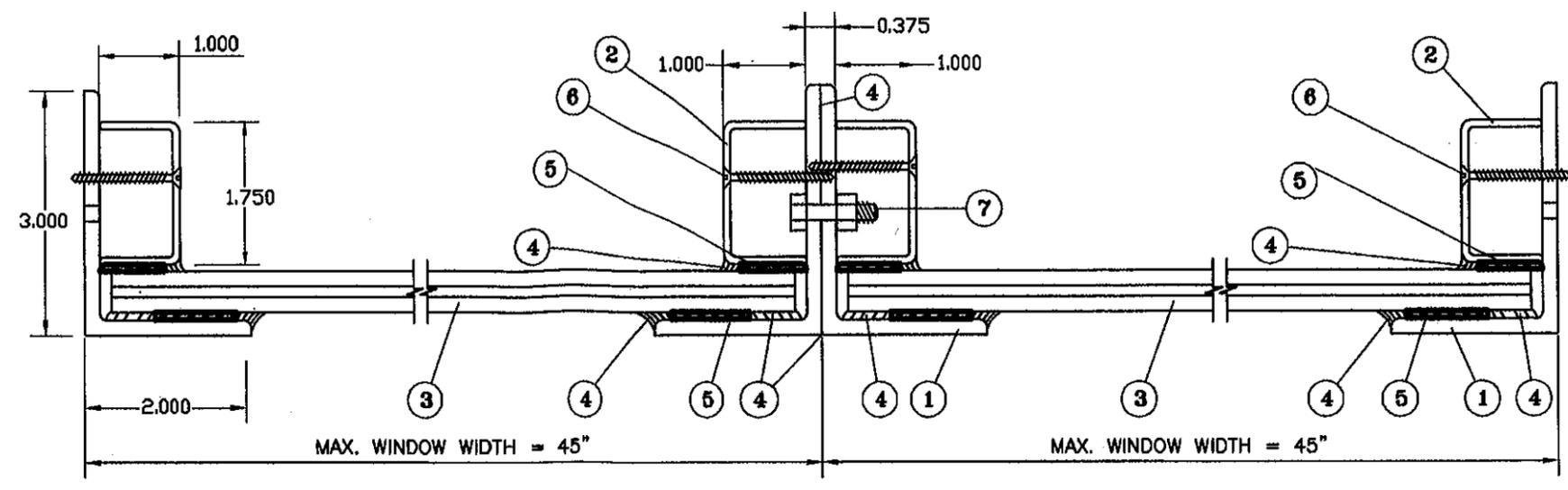


(B)

MAX. WINDOW HEIGHT = 57"



VERTICAL SECTION



(C)

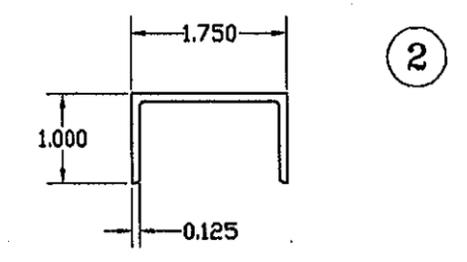
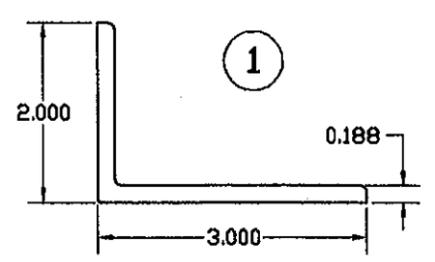
(D)

EXTERIOR

(E)

HORIZONTAL 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.	1 3/4" X 1" X 1/8" CHANNEL	STEEL (GRADE A36)	GLAZING BEAD
3	1	7/16" LAMINATED GLASS	3/16" FIRELITE + 0.09" SGP + 3/16" H.S.	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 SMS X 1 1/2"	STEEL	GLAZING BEAD SCREW
7	AS REQ.	1/4"-20 X 1" HEX HEAD MACHINE SCREW W/NUT	STEEL	TWO PANELS ASSEMBLY BOLTS

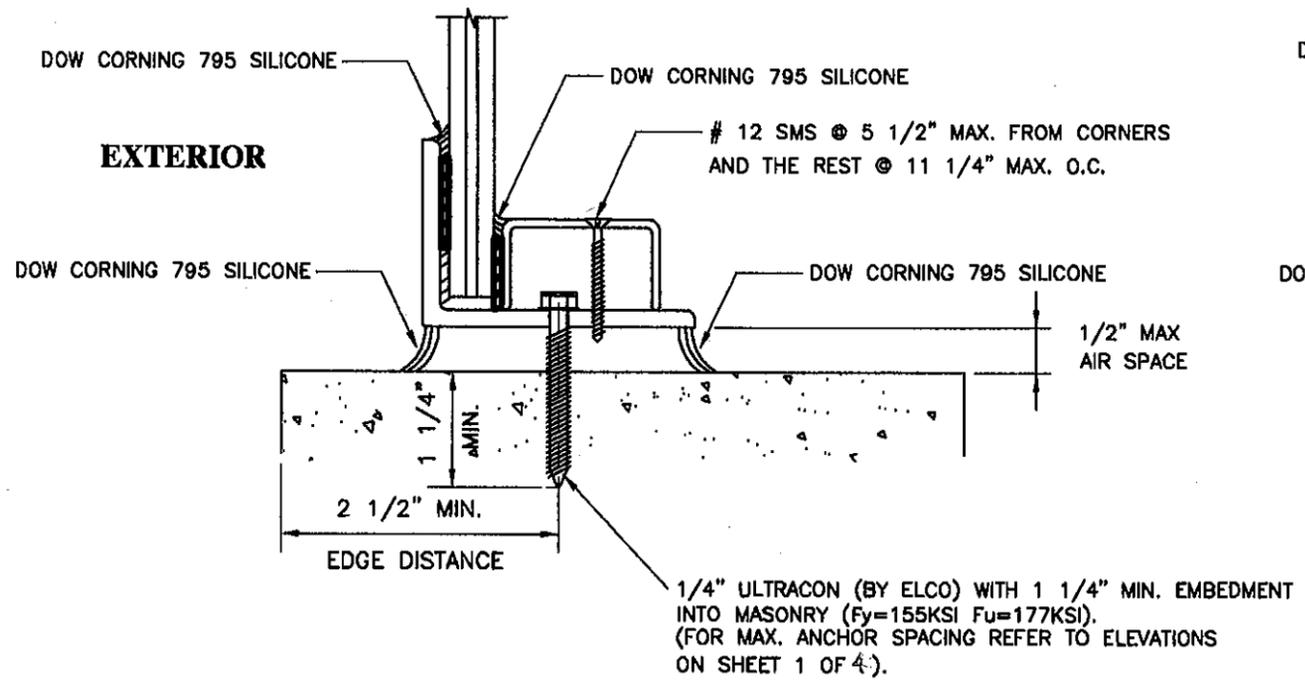


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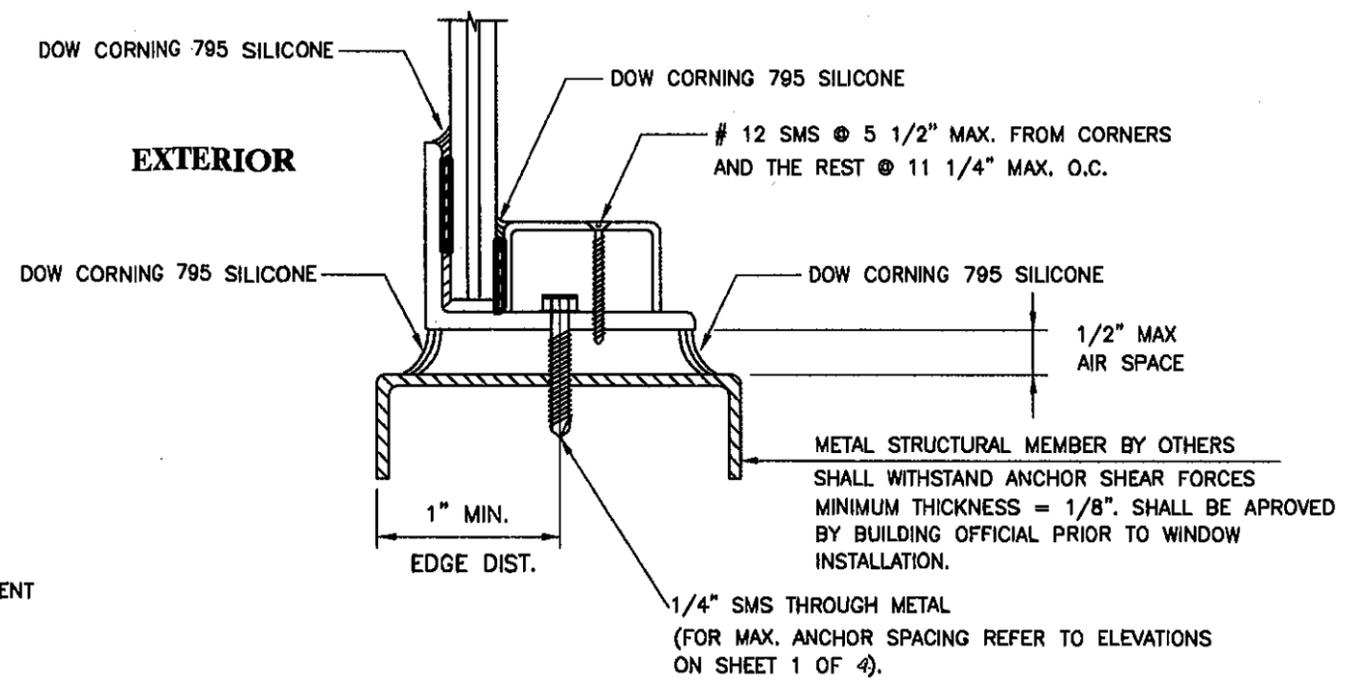
[Signature]
3-25-11
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Drawn By: NM
Date: 09-21-10
Scale: 1/2" = 1"
Revision: 3-25-11
Revision:

DRAWING NO.
FWLMI-10
SHEET
2 OF 4

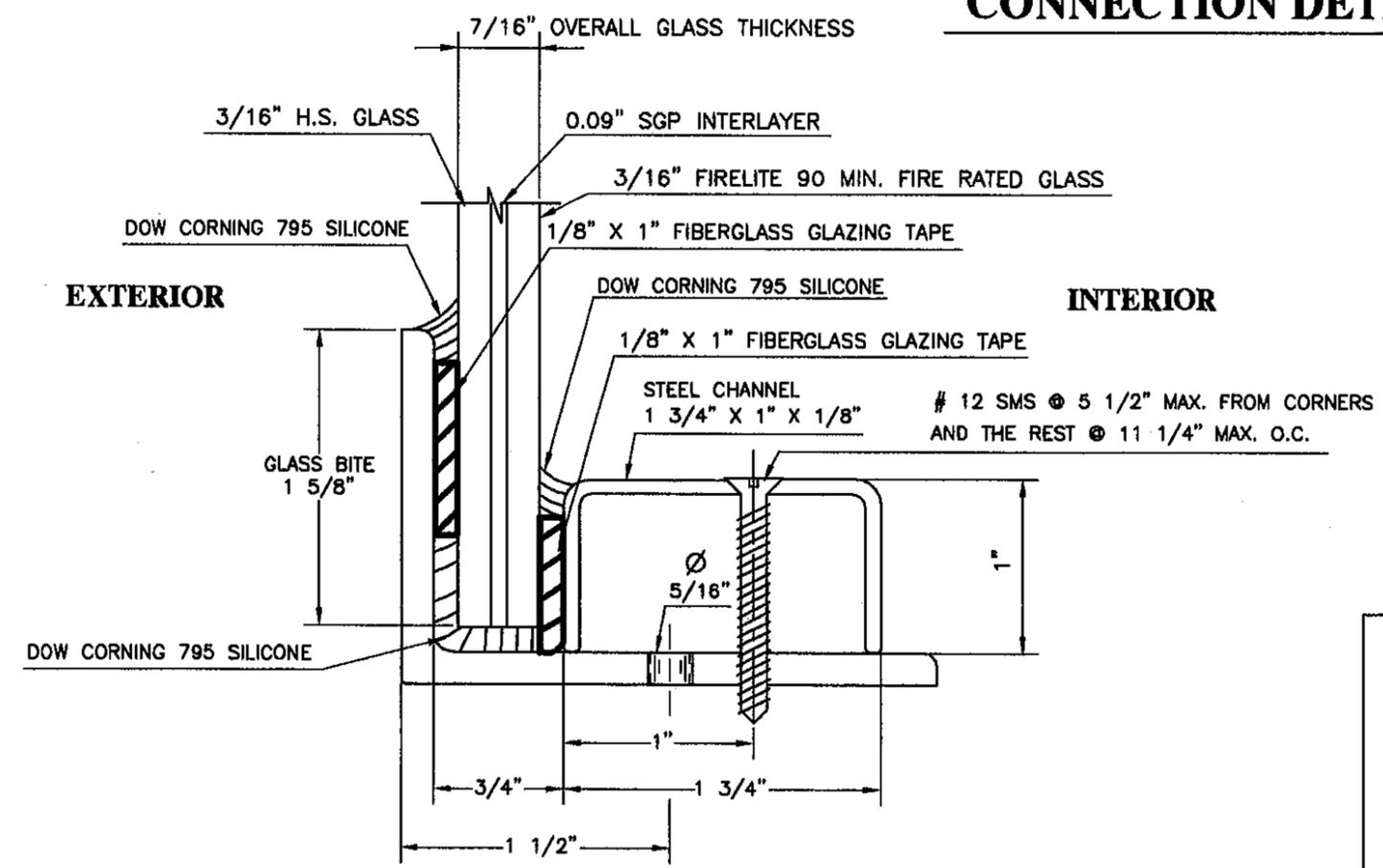


ATTACHMENT TO MASONRY



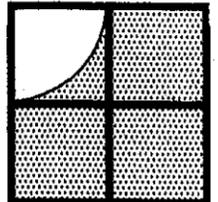
ATTACHMENT TO METAL STRUCTURE

CONNECTION DETAILS



GLAZING DETAIL

Scale: 1" = 1"



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 Miami Code Product Control
 By: *Mauriel Perez*

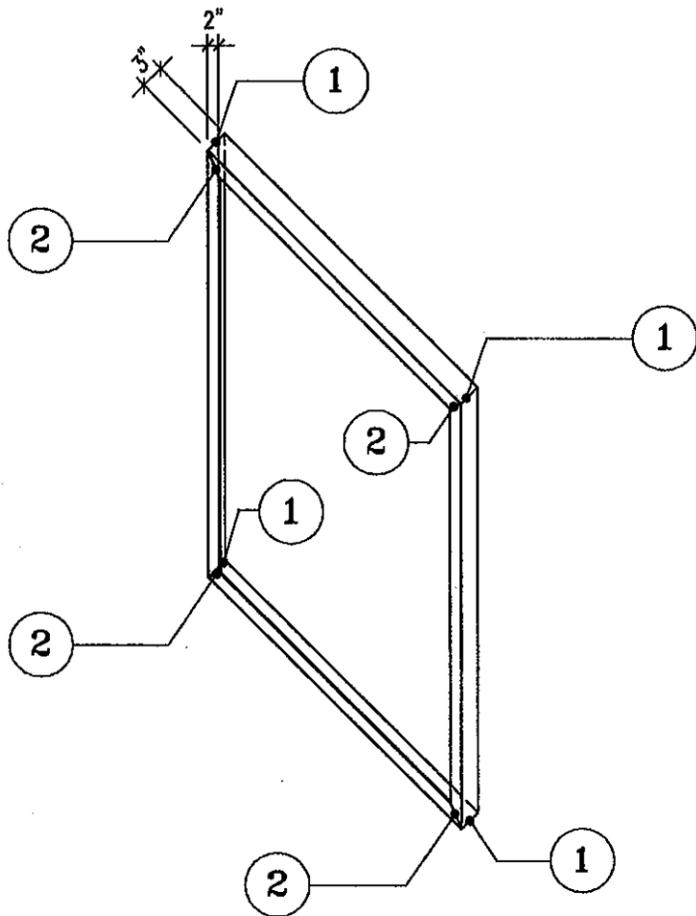
FHS
 3-25-11

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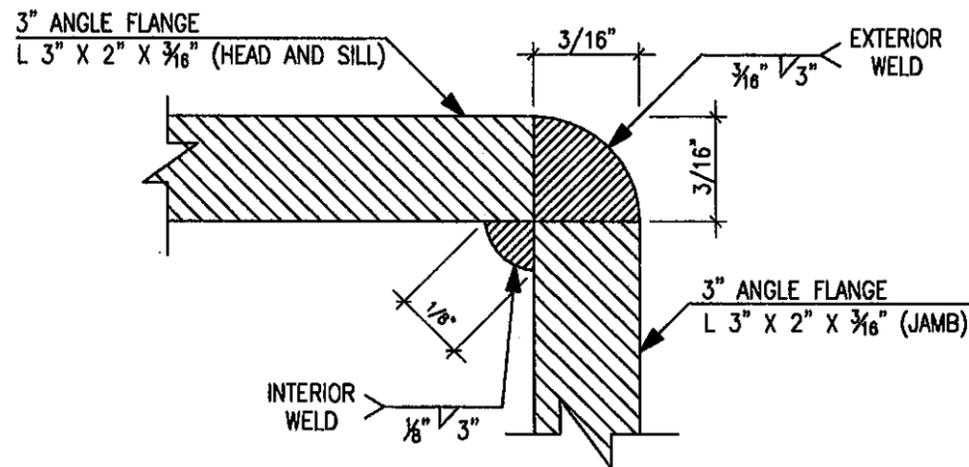
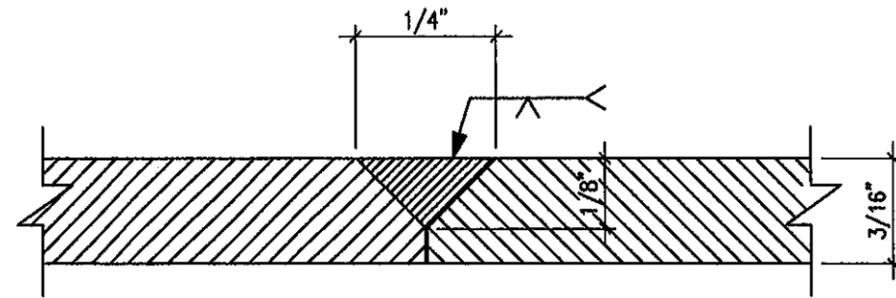
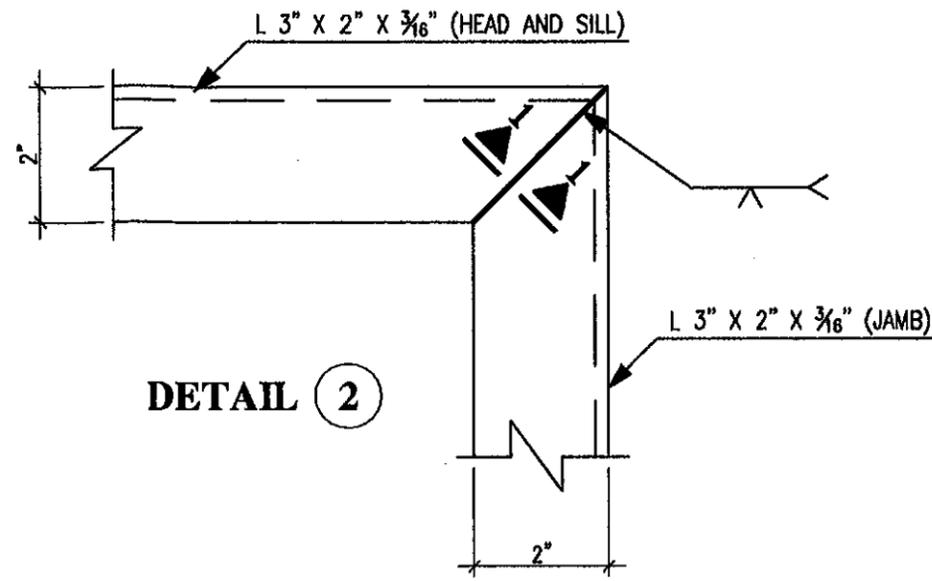
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SHEET
 3 OF 4

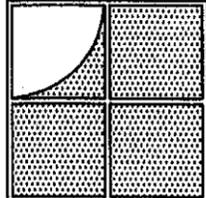


STEEL FRAME FIXED WINDOW



DETAIL 1

SECTION 1-1



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SHEET
4 OF 4

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NOA# **10-1004.04**
Miami Code Product Control

By: *Francisco Hernandez*

Handwritten signature
3-25-11

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FLORIDA PE # 51393