



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)**

[www.buldingcodeonline.com](http://www.buldingcodeonline.com)

**EFCO Corporation**  
**1000 County Road**  
**Monett, MO 65708**

**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 "2600 System II" Aluminum Fixed Window - S.M.I.**

**APPROVAL DOCUMENT:** Drawing No.1028A, titled "S-2600 System II Small Missile Impact Fixed Window", sheets 1 through 4 of 4, dated 08/25/03, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, 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: Small Missile Impact Resistant**

**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 **renews NOA # 03-0829.01** 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.**



NOA No 06-0605.07  
Expiration Date: September 27, 2011  
Approval Date: January 11, 2007  
Page 1

**EFCO Corporation**

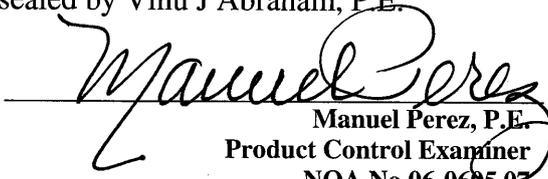
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **1028A**, Sheets 1 through 4 of 4, titled "S-2600 System II Small Missile Impact Fixed Window", dated 08/25/03, prepared by W.W. Schaefer Engineering Consulting, P.A., signed and sealed by Warren W. Schaefer, 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) Small 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 an EFCO S2600 System II combination aluminum fixed/project-out, fixed and outswing casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0046-0505-03**, dated 4/28/03, signed and sealed by Vinu J Abraham, P.E.  
*(Submitted under NOA# 03-0829.01)*
2. 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  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an EFCO S2600 System II combination aluminum fixed/project-out, fixed and outswing casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0046-0212-99**, dated from 02/23/99 to 02/26/99, signed and sealed by Vinu J Abraham, P.E.  
*(Submitted under NOA# 00-1207.04)*
3. 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) Small Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an EFCO S2600 System II combination aluminum fixed/project-out, fixed and outswing casement windows, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0046-0508-99**, dated from 05/10/99 to 06/30/99, signed and sealed by Vinu J Abraham, P.E.  
*(Submitted under NOA# 00-1207.04)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 06-0605.07

Expiration Date: September 27, 2011  
Approval Date: January 11, 2007

**EFCO Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor Calculations, dated 11/28/00, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.  
Additional letter verifying calculations and structural analysis, to comply with FBC-2004, dated 5/25/06, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.,  
**Complies with ASTM E1300-98 (Submitted under NOA# 03-0829.01)**
2. Anchor and mullion calculations, dated 11/28/00, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.  
**(Submitted under NOA# 00-1207.04)**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **01-0205.02**, issued to Solutia, Inc. for their "Saflex / Keepsafe Maximum", approved on 05/17/01 and expiring on 05/21/06.  
**(Submitted under NOA# 00-1207.04)**

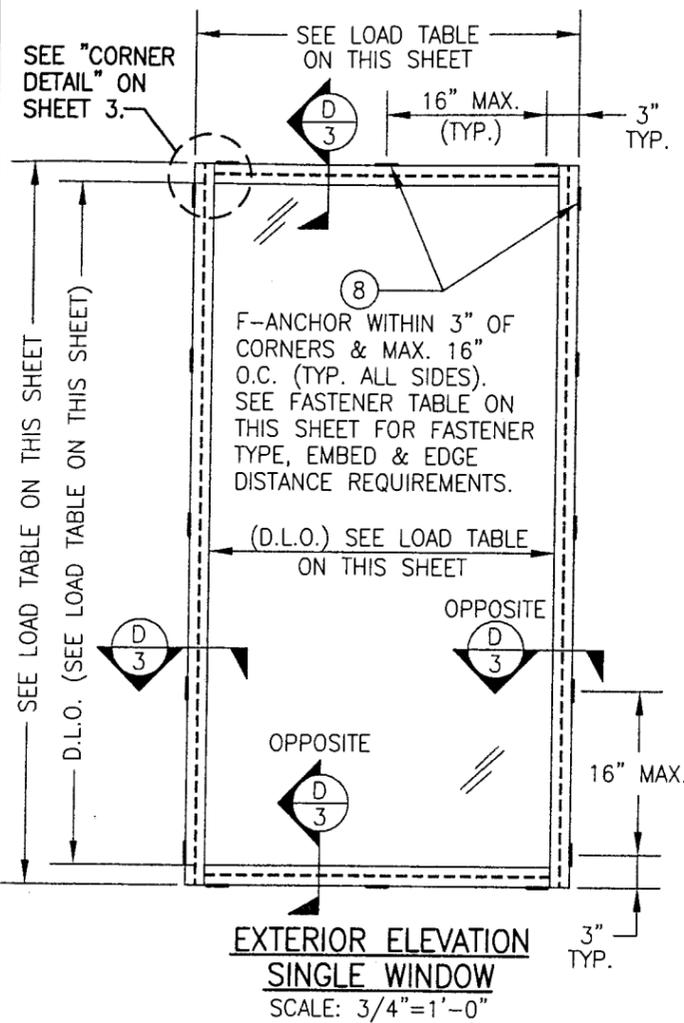
**F. STATEMENTS**

1. Statement letter verifying calculations and structural analysis, to comply with FBC-2004, dated 5/25/06, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.,

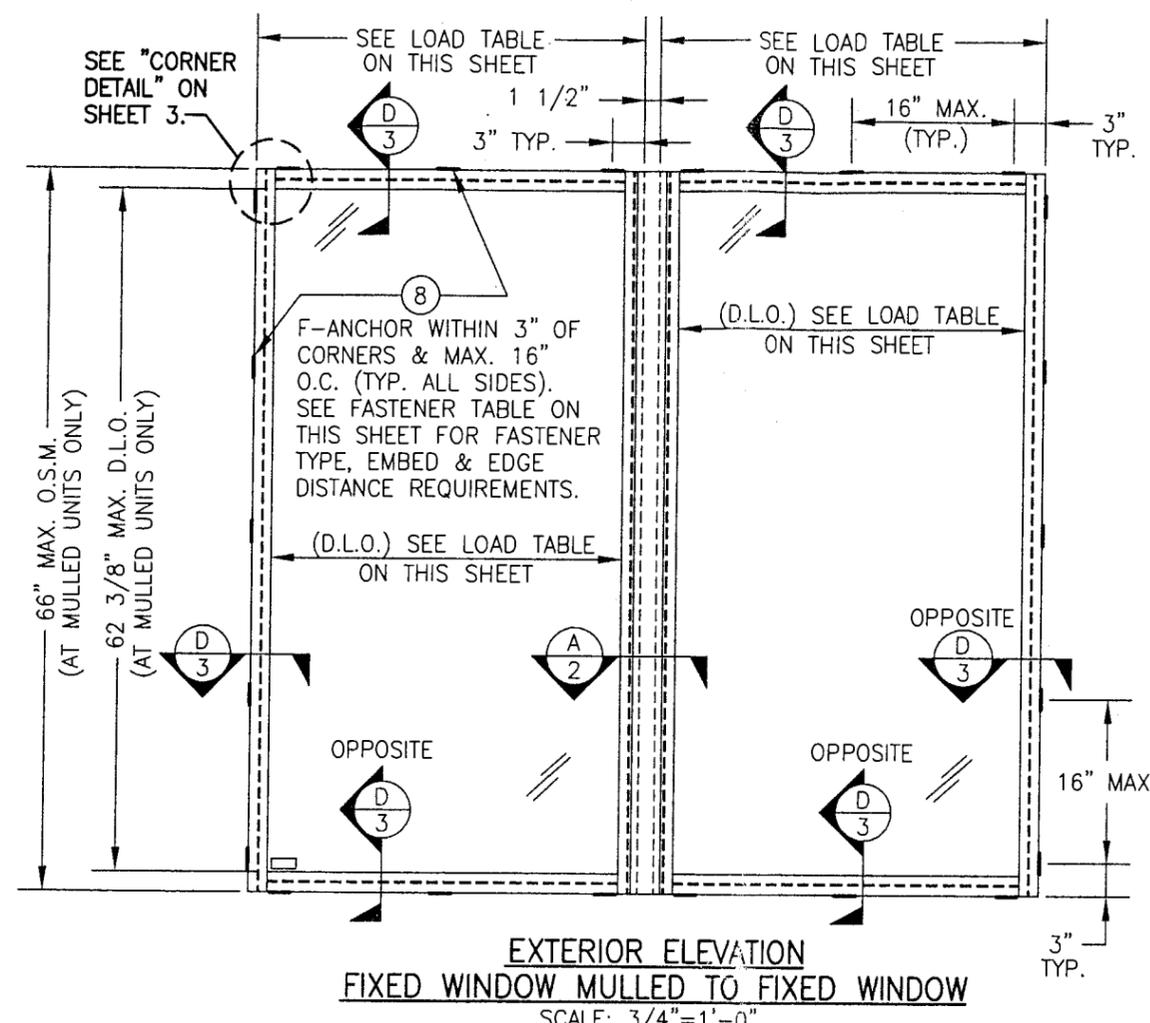
**G. OTHER**

1. Notice of Acceptance No. **03-0829.01**, issued to EFCO Corporation for their Series "S-2600" System II Aluminum Fixed Window-S.M., approved on 10/30/03 and expiring on 09/27/06.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 06-0605.07  
Expiration Date: September 27, 2011  
Approval Date: January 11, 2007



**EXTERIOR ELEVATION  
SINGLE WINDOW**  
SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION  
FIXED WINDOW MULLERED TO FIXED WINDOW**  
SCALE: 3/4"=1'-0"

MORE THAN 2 WINDOWS MAY BE STACKED HORIZONTALLY

ALLOWABLE DESIGN LOAD FOR MULLERED UNITS	
SMALL MISSILE GLASS "A" & "B"	
POSITIVE	NEGATIVE
100 PSF	100 PSF
ALL MULLERED UNITS ARE LIMITED TO MAX. 66" HEIGHT.	

O.S.M. = OUTSIDE FRAME MEASUREMENT

**GENERAL NOTES**

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE DESIGNED & INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EA. APPLICATION
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR SMALL MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) FOR HIGH VELOCITY HURRICANE ZONE.

**MAXIMUM ALLOWABLE DESIGN LOAD & SIZE TABLE  
(SINGLE FIXED WINDOWS ONLY)**

MAXIMUM SIZE		MAXIMUM ALLOWABLE PRESSURE (PSF)			
FRAME WIDTH	FRAME HEIGHT	WINDOW D.L.O.		SMALL MISSILE IMPACT GLASS "A" & "B"	
		HORIZONTAL	VERTICAL	POSITIVE	NEGATIVE
24"	99"	20 3/8"	95 3/8"	100.0 PSF	100.0 PSF
27"	88"	23 3/8"	84 3/8"	100.0 PSF	100.0 PSF
30"	79"	26 3/8"	75 3/8"	100.0 PSF	100.0 PSF
33"	72"	29 3/8"	68 3/8"	100.0 PSF	100.0 PSF
36"	66"	32 3/8"	62 3/8"	100.0 PSF	100.0 PSF
40"	59"	36 3/8"	55 3/8"	90.0 PSF	90.0 PSF
44"	54"	40 3/8"	50 3/8"	81.8 PSF	81.8 PSF
48"	49"	44 3/8"	45 3/8"	75.0 PSF	75.0 PSF

GLASS "A" = 9/16" THK. LAMINATED GLASS (1/4" HT. STR./0.06" PVB/1/4" HT. STR.) BY SAFLEX  
 GLASS "B" = 1 1/4" OVERALL I.G. GLASS (9/16" LAMINATED HT. STR. WITH 0.06" SAFLEX PVB @ OUTER/7/16" AIR SPACE/1/4" HT. STR. @ INNER)

**LOAD TABLE NOTE:**

1. SMALL MISSILE IMPACT WINDOWS MAY NOT BE INSTALLED AT A SILL ELEVATION LESS THAN 30 FT. ABOVE GRADE.

**CLIP FASTENER REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	CLIP TO OPENING FASTENER TYPE	NO. FASTENERS PER CLIP INTO SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
WOOD	NO. 12 SMS SCREW	3	1 1/8"	1"
MIN. 18 GA. STUD	NO. 12 TEK SCREW	3	FULL	1/2"
STRUCT. STEEL	NO. 12 TEK SCREW	3	FULL	1/2"
CMU/CONCRETE	1/4" TAPCON	2	1 1/4"	2"

DRAWN BY: K.P.S. CHECKED BY: W.W.S.  
 PLOT: 1=16 DATE: 08/25/03

NO.	REVISION DESCRIPTION	DATE

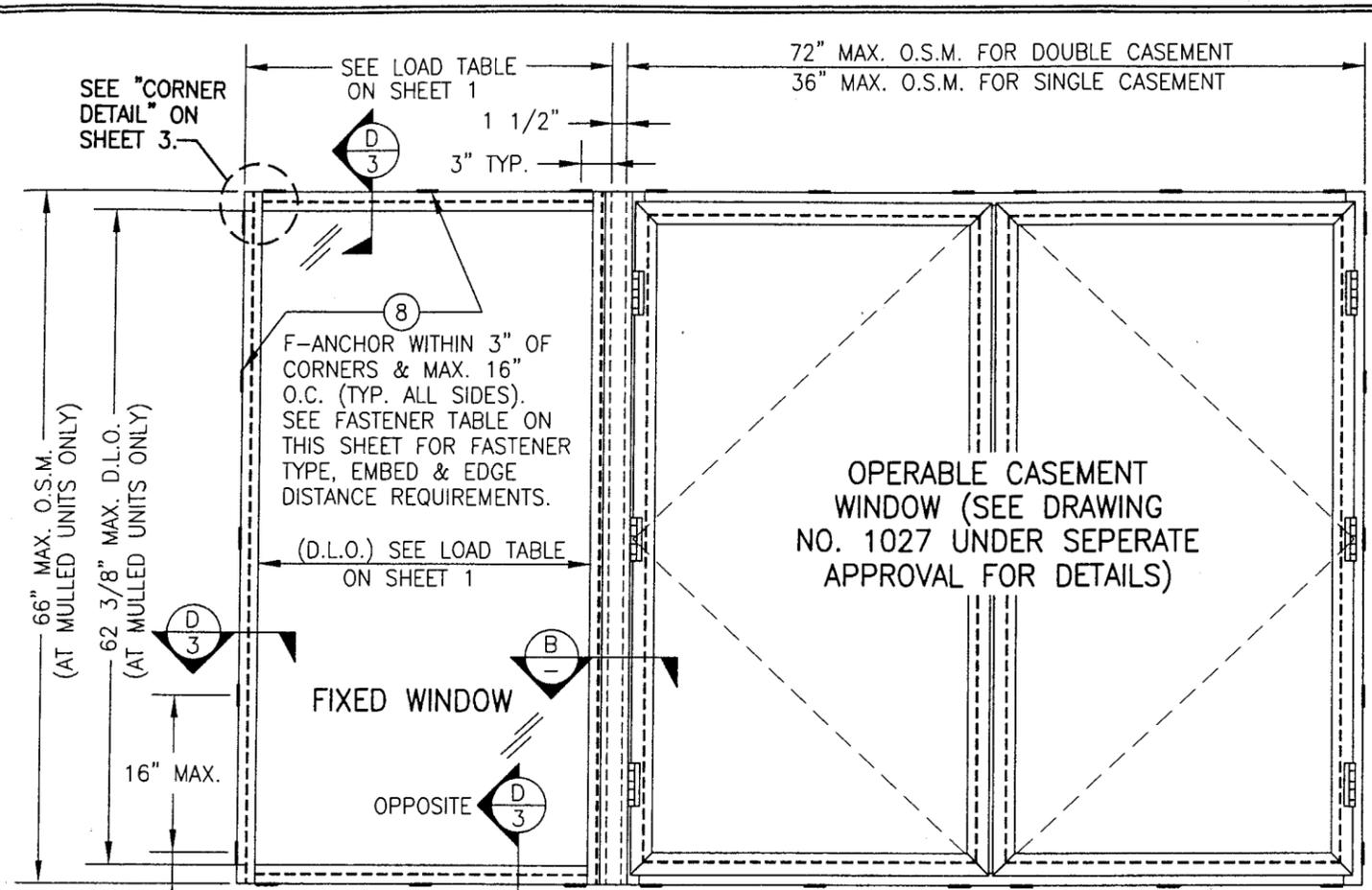
DRAWING TITLE: S-2600 SYSTEM II SMALL MISSILE IMPACT FIXED WINDOW  
 MANUFACTURER: EFCO CORPORATION  
 1000 COUNTY ROAD, P.O. BOX 609  
 MONETT, MO 65708-0609  
 800-221-4169

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 8895 N. MILITARY TRAIL, SUITE C-204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

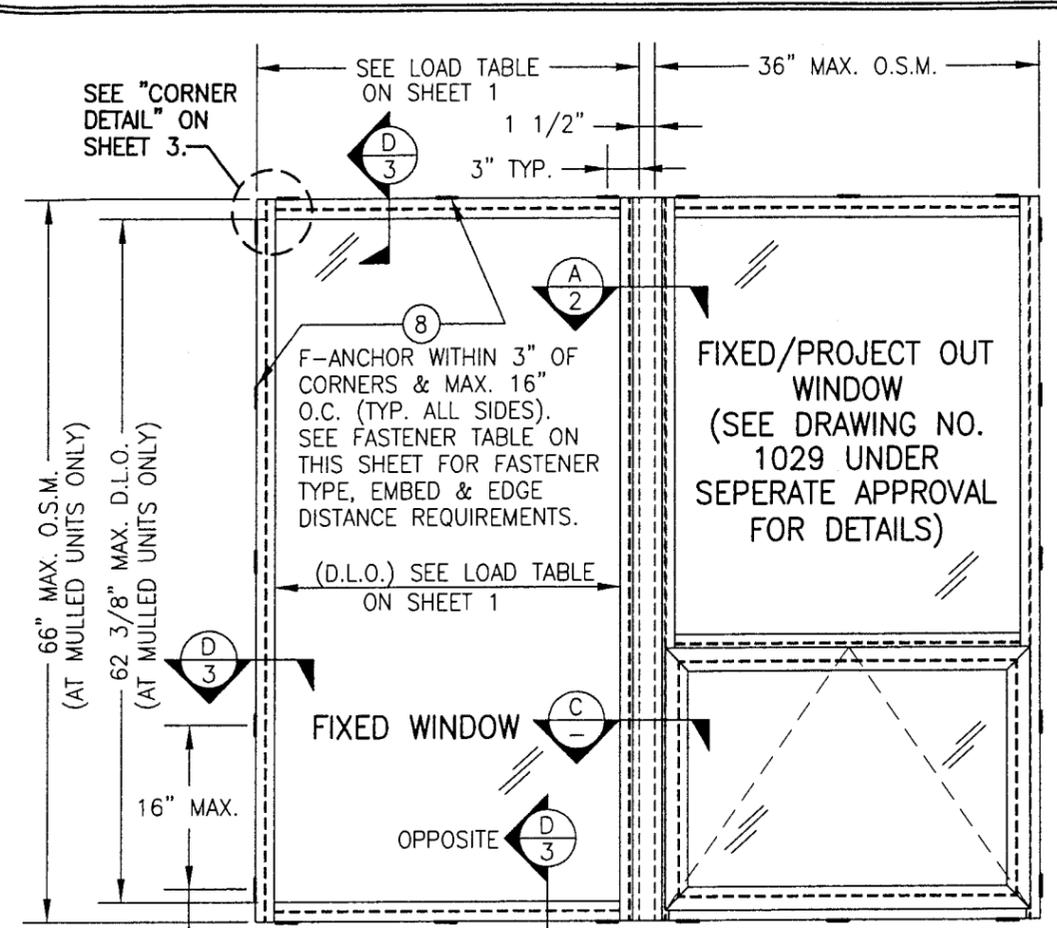
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 03-0829.01  
 Expiration Date 09/22/03  
 By: *Manuel Perez*  
 Miami Dade Product Control Division

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 06-0605.07  
 Expiration Date SEPT. 27, 2011  
 By: *Manuel Perez*  
 Miami Dade Product Control Division

CERTIFICATION: AUG 26 2003  
 DRAWING NO. 1028A  
 SHEET NO. 1 OF 4

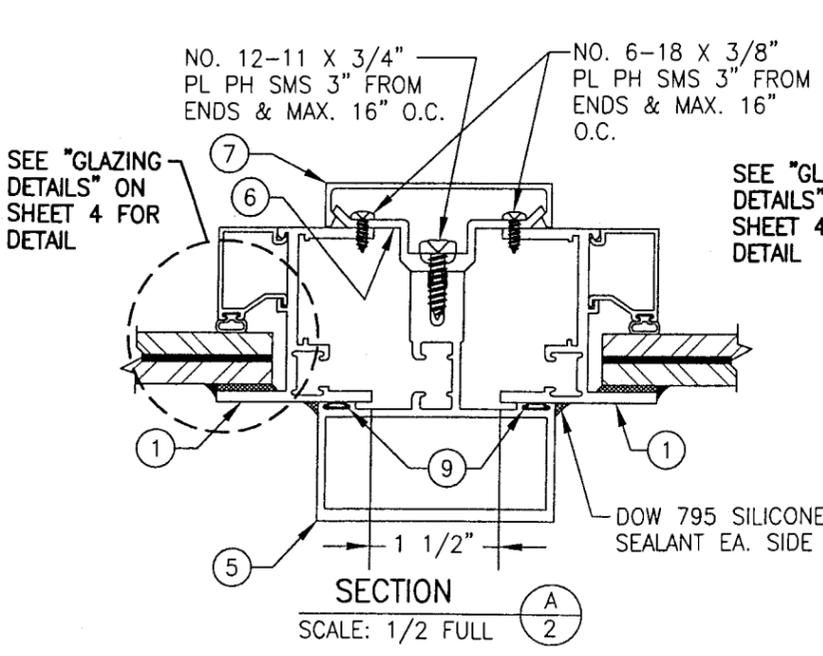


**EXTERIOR ELEVATION**  
**FIXED WINDOW MULLERED TO OPERABLE CASEMENT**  
 (TYP. WITH SINGLE & DOUBLE CASEMENT WINDOWS)  
 SCALE: 3/4"=1'-0"  
 MORE THAN 2 WINDOWS MAY BE STACKED HORIZONTALLY

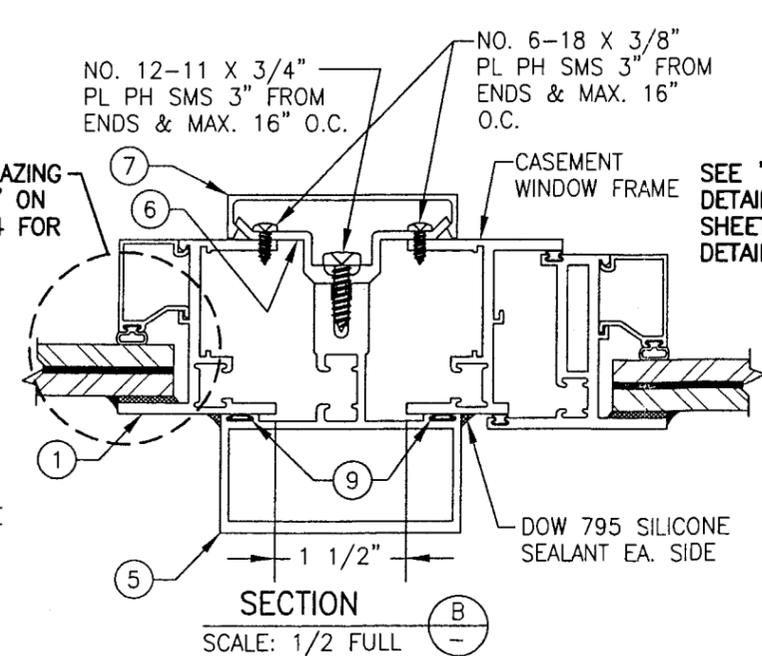


**EXTERIOR ELEVATION**  
**FIXED WINDOW MULLERED TO FIXED/PROJECT OUT WINDOW**  
 SCALE: 3/4"=1'-0"  
 MORE THAN 2 WINDOWS MAY BE STACKED HORIZONTALLY

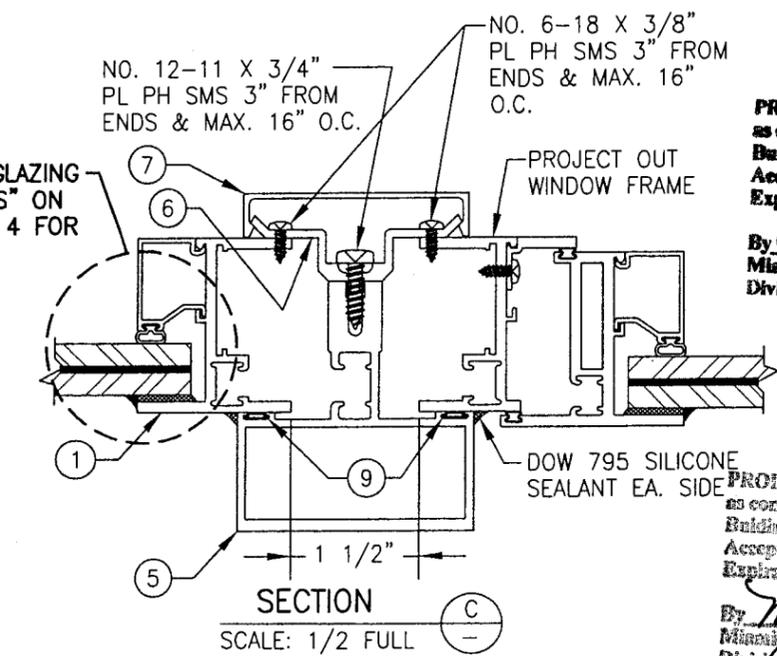
O.S.M. = OUTSIDE FRAME MEASUREMENT



**SECTION A**  
 SCALE: 1/2 FULL



**SECTION B**  
 SCALE: 1/2 FULL

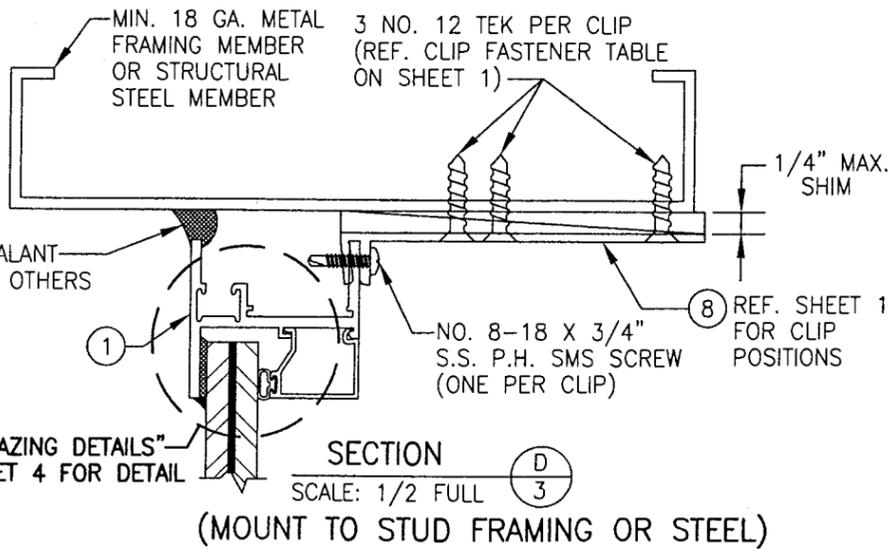
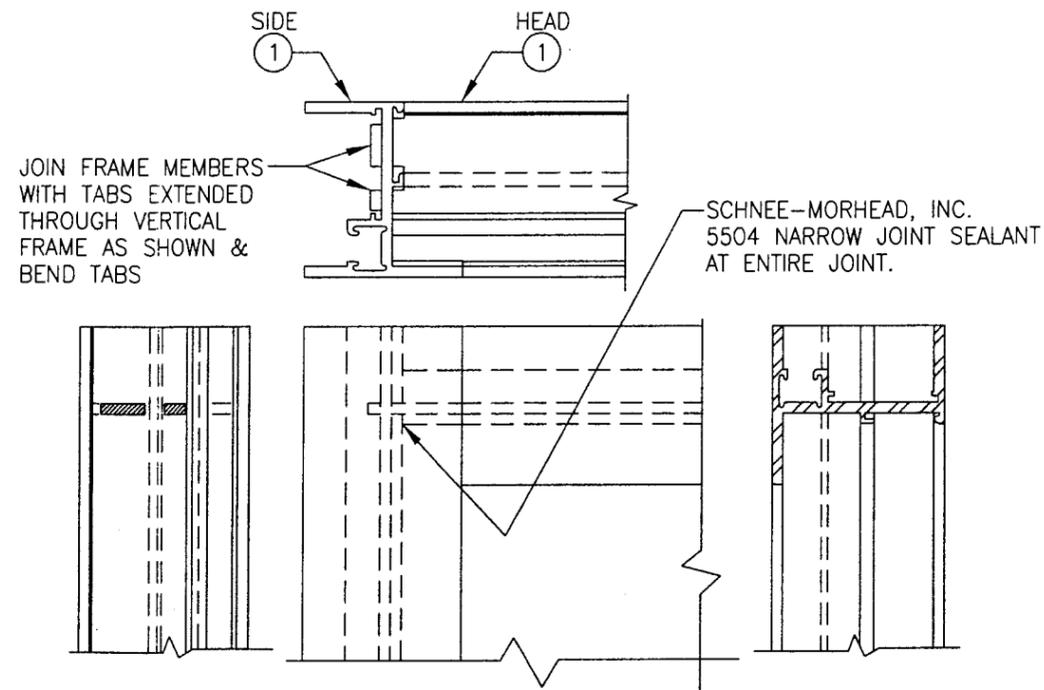
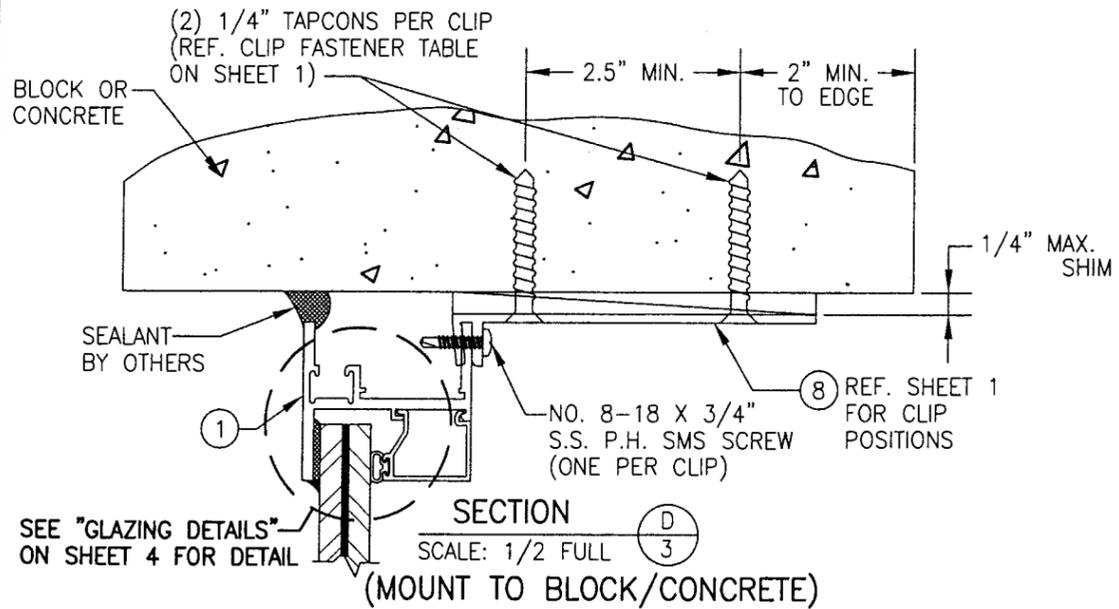
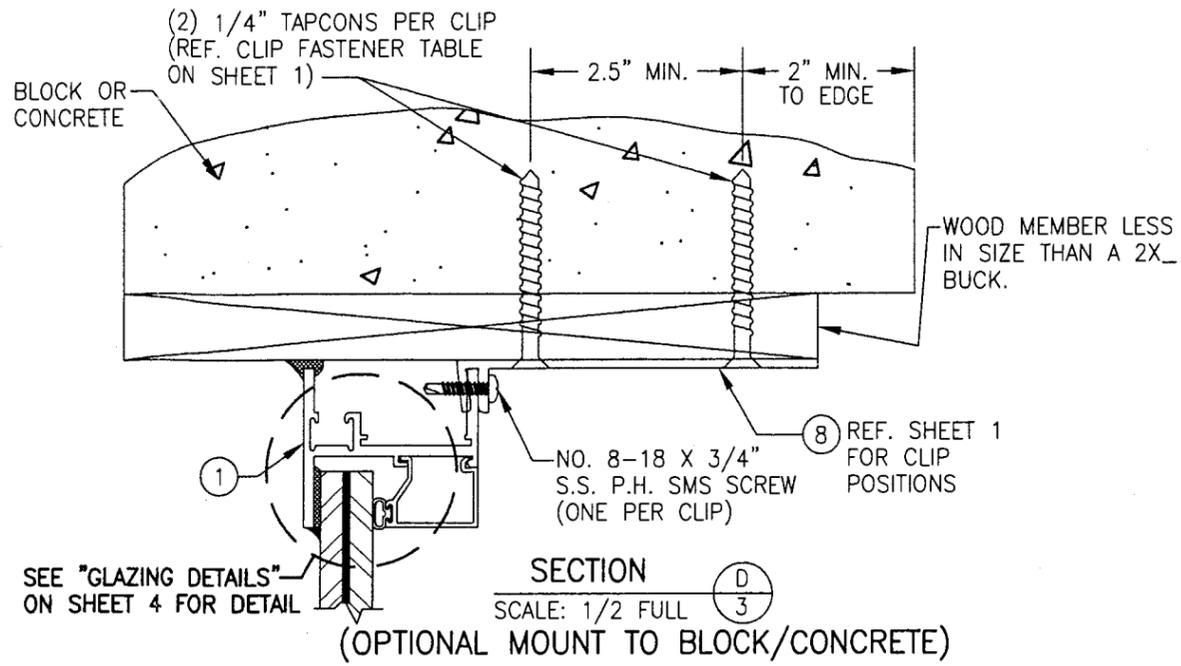
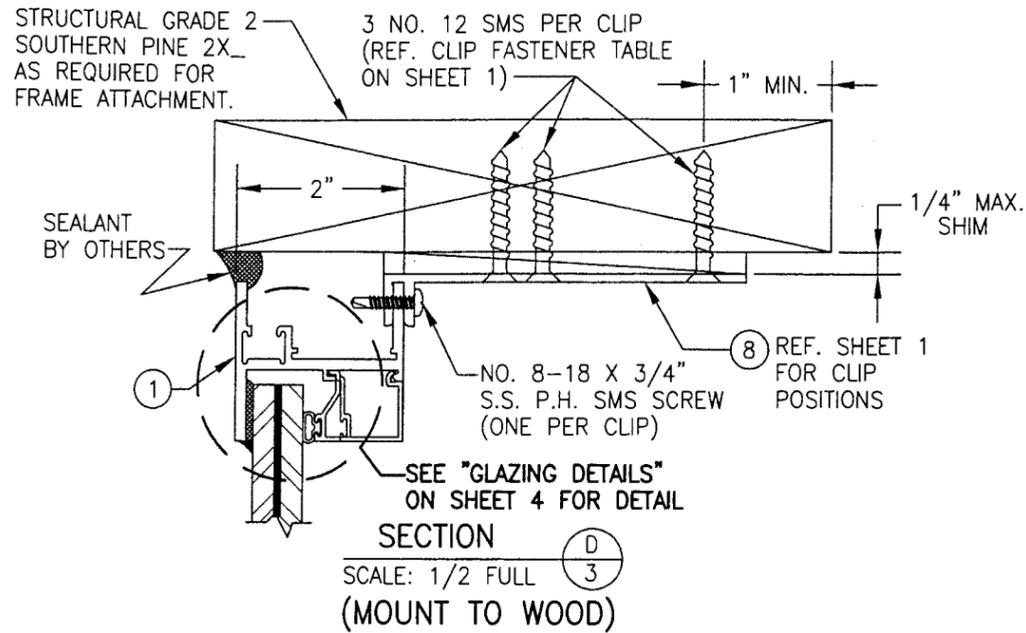


**SECTION C**  
 SCALE: 1/2 FULL

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 03-0829.01  
 Expiration Date 09/23/06  
 By *Edward Bern*  
 Miami Dade Product Control  
 Division

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0605.07  
 Expiration Date SEPT. 27, 2011  
 By *Manuel Jara*  
 Miami Dade Product Control  
 Division

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 08/25/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE S-2600 SYSTEM II SMALL MISSILE IMPACT FIXED WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION AUG 26 2003		DRAWING NO. 1028A	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		REV. SHEET NO. 2 OF 4	



PRODUCT RENEWED as complying with the Florida Building Code  
 Acceptance No. 06-0605.07  
 Expiration Date SEPT. 27, 2011

By *Manuel Perez*  
 Miami Dade Product Control Division

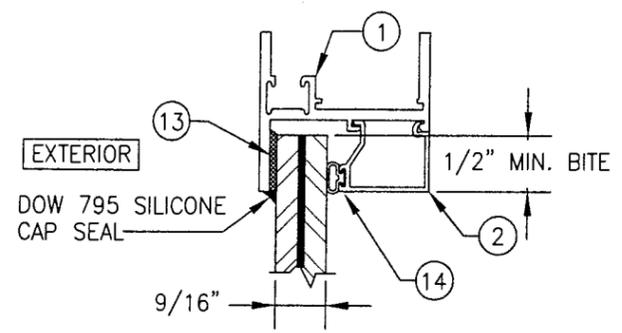
PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 03-0829.01  
 Expiration Date 09/23/06

By *Warren W. Schaefer*  
 Miami Dade Product Control Division

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 08/25/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: S-2600 SYSTEM II SMALL MISSILE IMPACT FIXED WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: EFCO CORPORATION	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION: AUG 26 2003		WARREN W. SCHAEFER, P.E. NO. 44135	
DRAWING NO. 1028A		REV.	
SHEET NO. 3 OF 4			

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	ES48	JAMB/FRAME	EFCO; 6063-T6 ALUMINUM
2	EF04	INT. GLAZING STOP	EFCO; 6063-T6 ALUMINUM
3	EG57	INT. I.G. GLAZING STOP	EFCO; 6063-T6 ALUMINUM
4	LB00	GLAZING CAP	FIBER REINFORCED NYLON
5	EG50	MULLION	EFCO; 6063-T6 ALUMINUM
6	EE32	MULLION CLIP	EFCO; 6063-T6 ALUMINUM
7	EE31	MULLION COVER	EFCO; 6063-T6 ALUMINUM
8	KA23/1880	F-ANCHOR	EFCO; 6063-T6 ALUMINUM
SEALS & SEALANTS			
9	WVB4	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
10	-	OPEN	-
11	-	3/16 FOAM TAPE	NORTON
12	-	DOW 995 SILICONE	DOW CORNING
13	-	BACK BEDDING TAPE	TREMCO
14	WVB2	CONT. VINYL BULB SEAL	CENTRAL PLASTICS

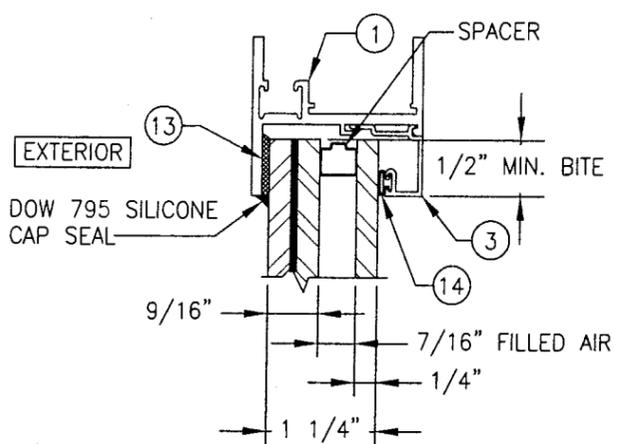
DRAWN BY:	K.P.S.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	08/25/03
DATE			
BY			
DESCRIPTION			
NO.			



**GLAZING DETAIL: GLASS "A"**  
**SMALL MISSILE IMPACT**

9/16" THK. LAMINATED GLASS BY SAFLEX WITH 1/4" THK. HEAT STRENGTHENED PANES EA. SIDE & 0.06" PVB INNER LAYER

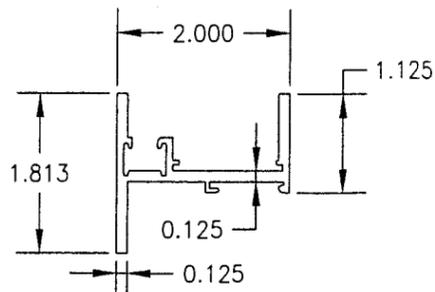
WHEN GLAZED FOR SMALL MISSILE IMPACT, THE WINDOWS MAY NOT BE INSTALLED AT SILL ELEVATIONS LESS THAN 30 FT. ABOVE



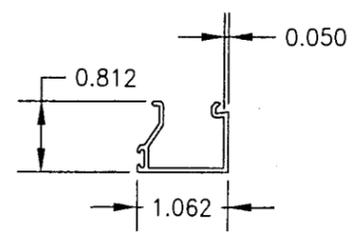
**GLAZING DETAIL: GLASS "B"**  
**SMALL MISSILE I.G. IMPACT**

IG. GLASS WITH 9/16" THK. LAMINATED EXTERIOR GLASS BY SAFLEX (1/4" HT. ST./0.06 PVB/1/4" HT. ST.) AND 1/4" HT. ST. SINGLE PANE GLASS AT INTERIOR

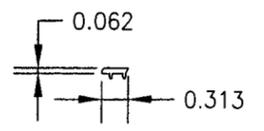
WHEN GLAZED FOR SMALL MISSILE IMPACT, THE WINDOWS MAY NOT BE INSTALLED AT SILL ELEVATIONS LESS THAN 30 FT. ABOVE



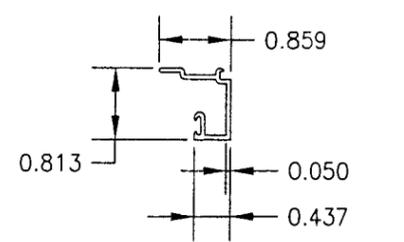
① **JAMB**



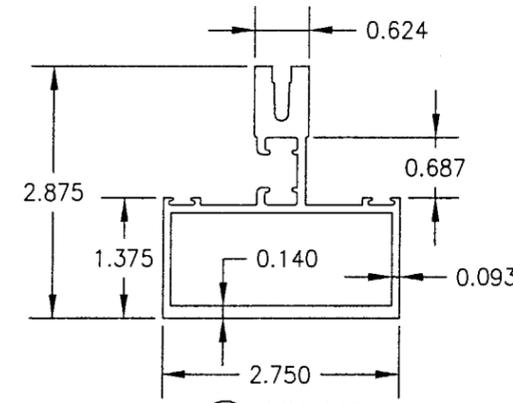
② **INTERIOR GLAZING STOP**



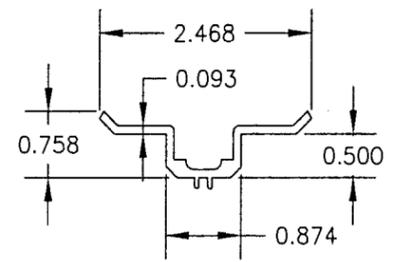
④ **GLAZING CAP**



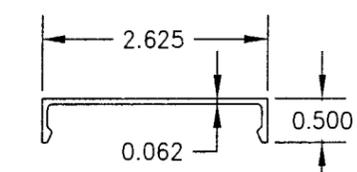
③ **INT. I.G. GLAZING STOP**



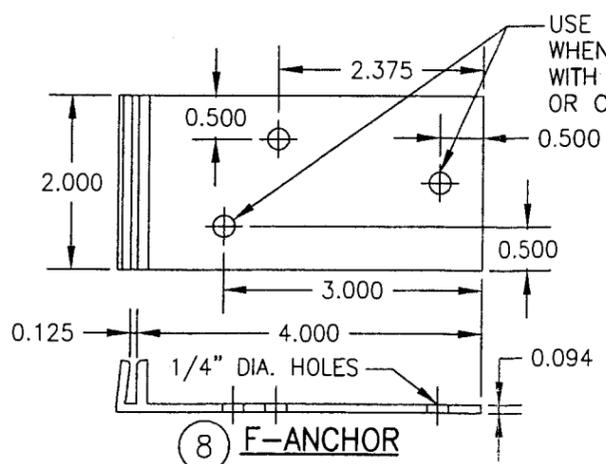
⑤ **MULLION**



⑥ **MULLION CLIP**



⑦ **MULLION COVER**



⑧ **F-ANCHOR**

USE THESE TWO HOLES WHEN APPLYING ANCHOR WITH TAPCONS TO BLOCK OR CONCRETE!

PRODUCT RENEWED as complying with the Florida Building Code  
Acceptance No. 06-0605.07  
Expiration Date: SEPT 27, 2011  
By: *Manuel Perez*  
Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 03-0829.01  
Expiration Date: 09/22/06  
By: *Warren W. Schaefer*  
Miami Dade Product Control Division

DRAWING TITLE: S-2600 SYSTEM II SMALL MISSILE IMPACT FIXED WINDOW

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
8895 N. MILITARY TRAIL, SUITE C-204  
PALM BEACH GARDENS, FL 33410  
PHONE: 561-775-4902 FAX: 561-775-4903

MANUFACTURER: EFCO CORPORATION  
1000 COUNTY ROAD, P.O. BOX 609  
MONETT, MO 65708-0609  
800-221-4169

CERTIFICATION: AUG 26 2003

DRAWING NO. 1028A  
SHEET NO. 4 OF 4