



**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)

**EFCO Corporation
1000 County Road; P.O. Box 609
Monett, Mo 65708-0609**

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "S-2600" System II Outswing Aluminum Casement Window-S.M.

APPROVAL DOCUMENT: Drawing No.1027A, titled "S-2600 System II Small Missile Impact Casement Window", sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 8/25/23, signed and sealed by Warren Schaefer, 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 Division.

MISSILE IMPACT RATING: Small Missile Impact

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 revises NOA # 00-0207.12 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**



**NOA No 03-0829.02
Expiration Date: September 20, 2006
Approval Date: October 30, 2003
Page 1**

EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1027A**, titled "S-2600 System II Small Missile Impact Casement Window", sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 8/25/23, signed and sealed by Warren 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# 00-0207.12

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 02/23/99, signed and sealed by Vinu J Abraham, P.E.
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 to 06/30/99, signed and sealed by Vinu J Abraham, P.E.



Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-0829.02
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EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

Submitted under NOA# 00-0207.12

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, dated 12/29/99, prepared by manufacturer, signed and sealed by Richard DiBlasi, P.E.
2. Anchor Calculations, dated 11/28/00, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

D. MATERIAL CERTIFICATIONS

Submitted under NOA# 00-0207.12

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.

E. STATEMENTS

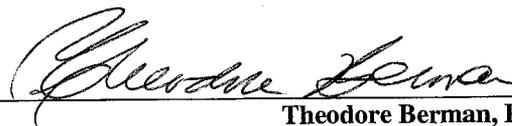
1. None

F. QUALITY ASSURANCE

1. Miami Dade County Building Code Compliance Office.

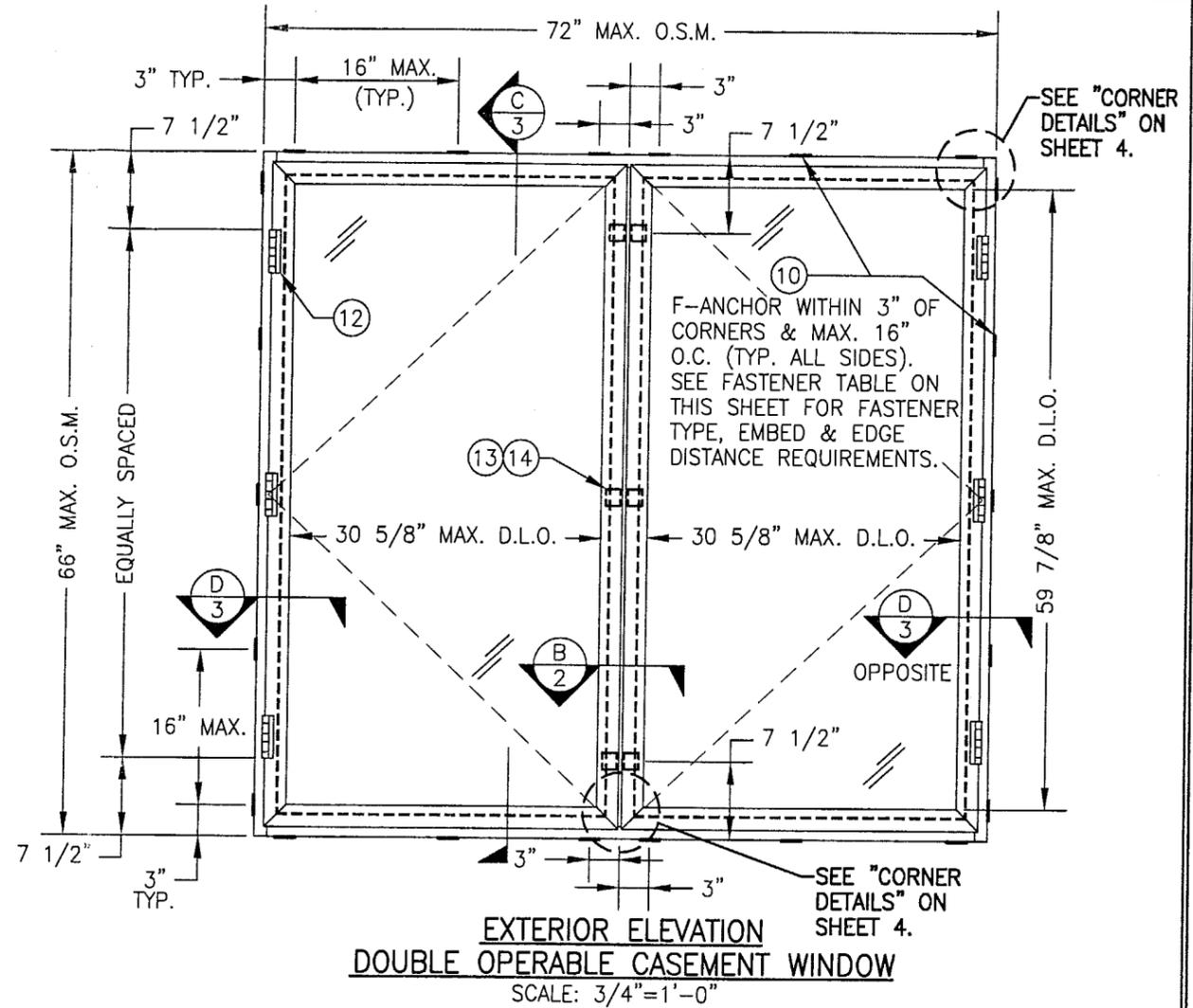
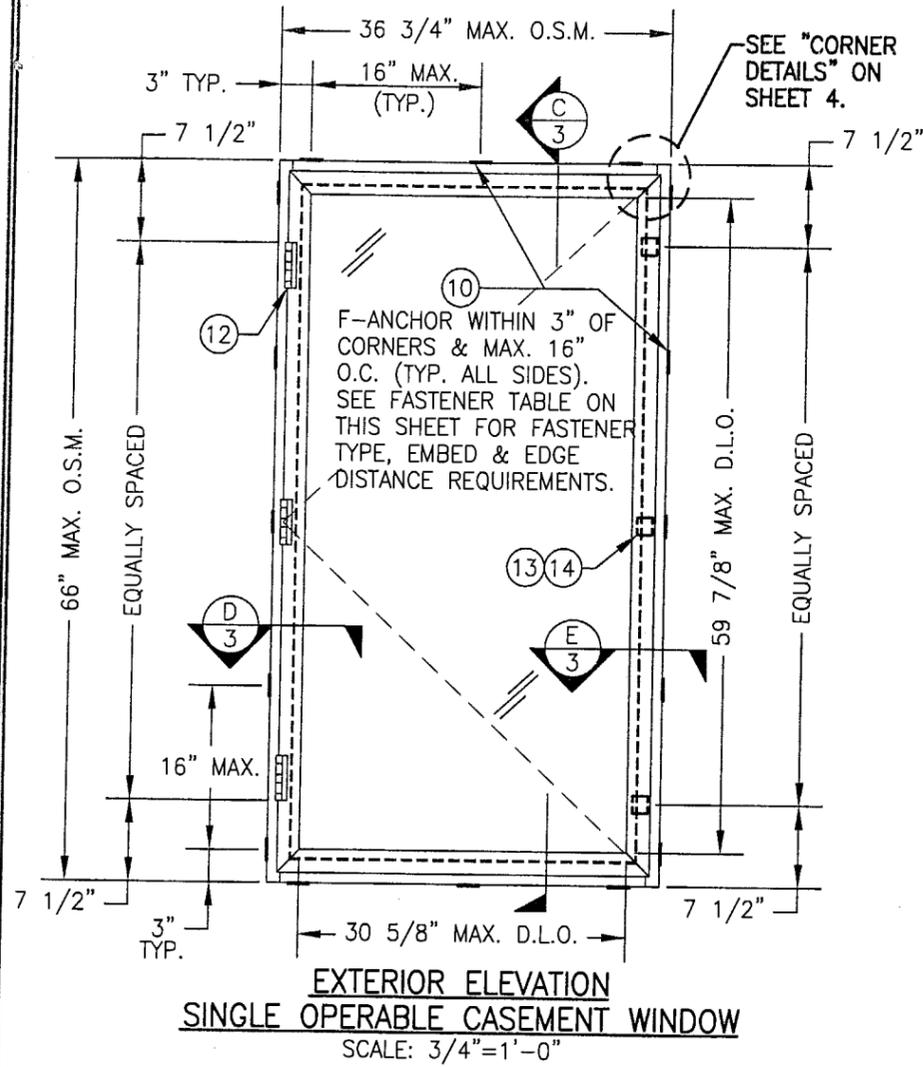
G. OTHER

1. Notice of Acceptance No. **00-0207.12**, issued to EFCO Corporation, Series "2600 System II" Outswing Aluminum Casement Window", approved on 9/20/01 and expiring on 9/20/06.



**Theodore Berman, P.E.
Deputy Director, Product Control Division**

**NOA No 03-0829.02
Expiration Date: September 20, 2006
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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.

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"

O.S.M. = OUTSIDE FRAME MEASUREMENT

WINDOW HEIGHT	QUANTITY REQUIRED
42.5" & SMALLER	2
GREATER THAN 42.5"	3

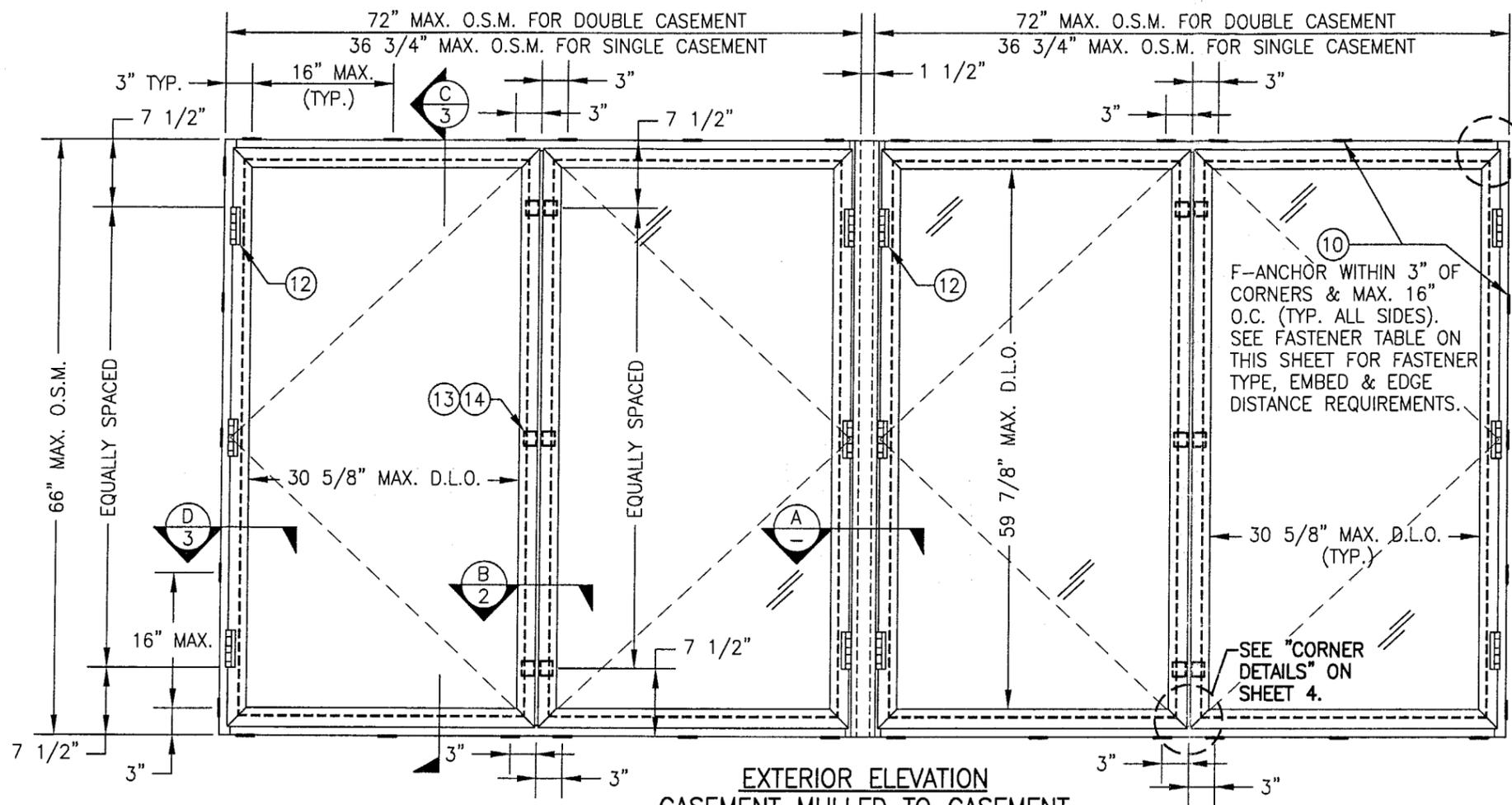
GLAZING DESCRIPTION	ALLOWABLE PRESSURE	
	POSITIVE	NEGATIVE
GLASS "A": LAMINATED 9/16" HEAT STRENGTHENED GLASS WITH 0.06" PVB	100 PSF	100 PSF
GLASS "B": 1 1/4" OVERALL I.G. GLASS (9/16" LAMINATED HT. STR. WITH 0.06" SAFLEX PVB @ OUTER/7/16" AIR SPACE/1/4" HT. STR. @ INNER)	100 PSF	100 PSF

LOAD TABLE NOTE:

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

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0829.02
 Expiration Date 09/20/06
 By *Alvin Berman*
 Miami Dade Product Control
 Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 08/25/03
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE S-2600 SYSTEM II SMALL MISSILE IMPACT CASEMENT 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	
CERTIFICATION AUG 26 2003 <i>Warren W. Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1027A	REV.
SHEET NO.	
1 OF 5	



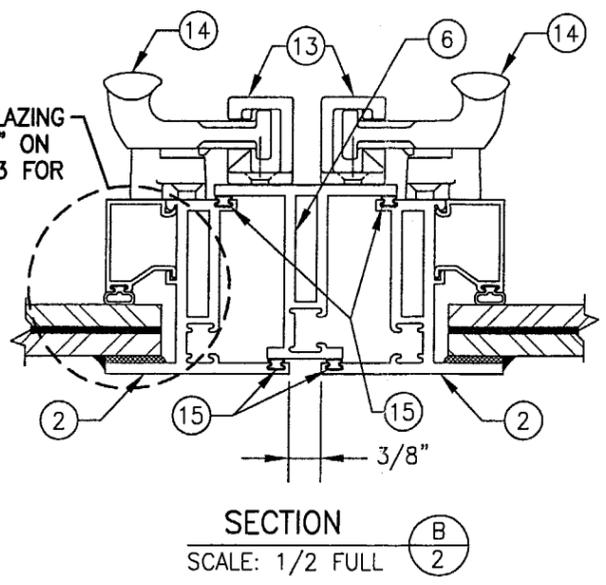
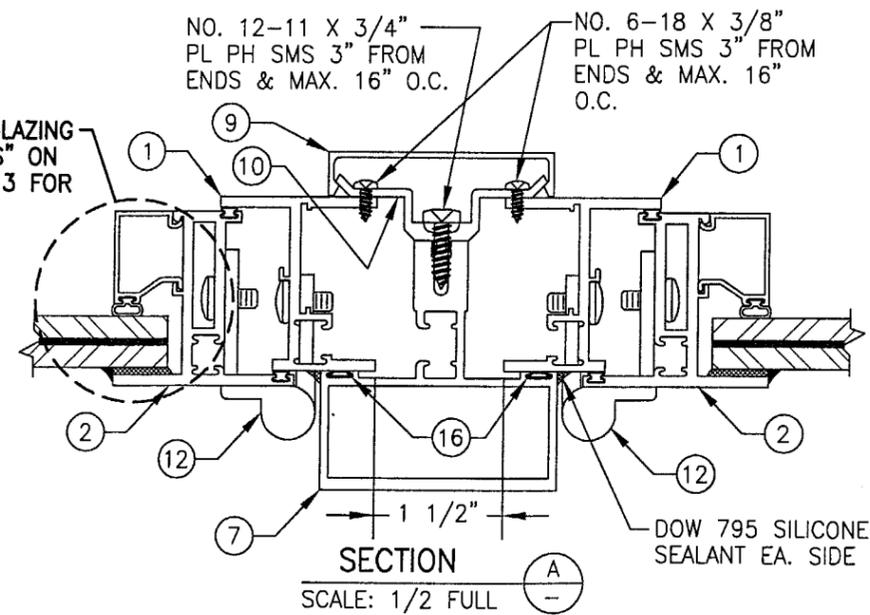
SEE "CORNER DETAILS" ON SHEET 4.

FOR CASEMENT WINDOW MULLED TO A FIXED WINDOW, SEE DRAWING NO. 1028 UNDER SEPERATE APPROVAL.

FOR CASEMENT WINDOW MULLED TO A PROJECT OUT WINDOW, SEE DRAWING NO. 1029 UNDER SEPERATE APPROVAL.

**EXTERIOR ELEVATION
CASEMENT MULLED TO CASEMENT
(TYP. FOR DOUBLE & SINGLE CASEMENTS)**

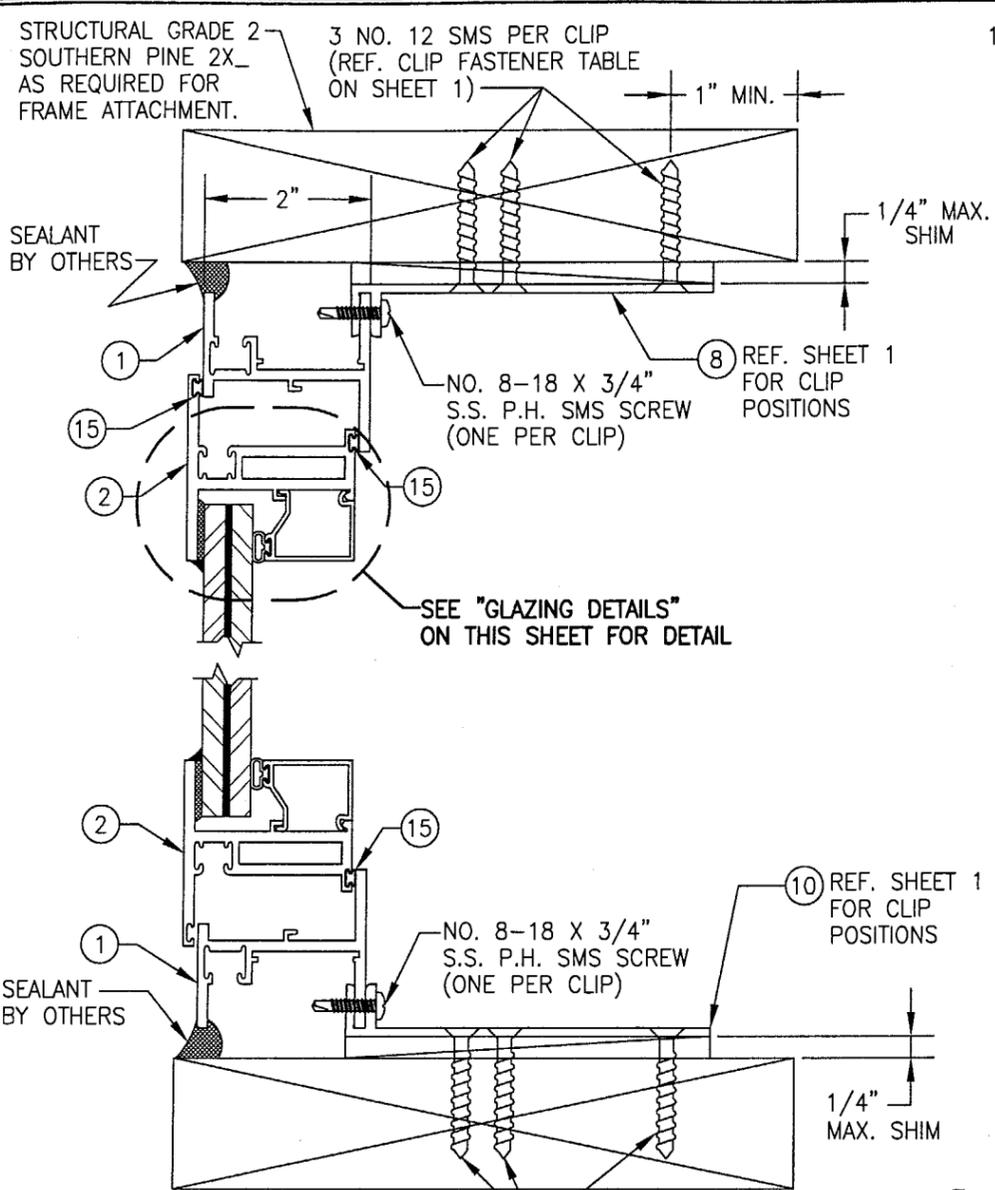
SCALE: 3/4"=1'-0"
MORE THAN 2 WINDOWS MAY BE STACKED HORIZONTALLY
O.S.M. = OUTSIDE FRAME MEASUREMENT



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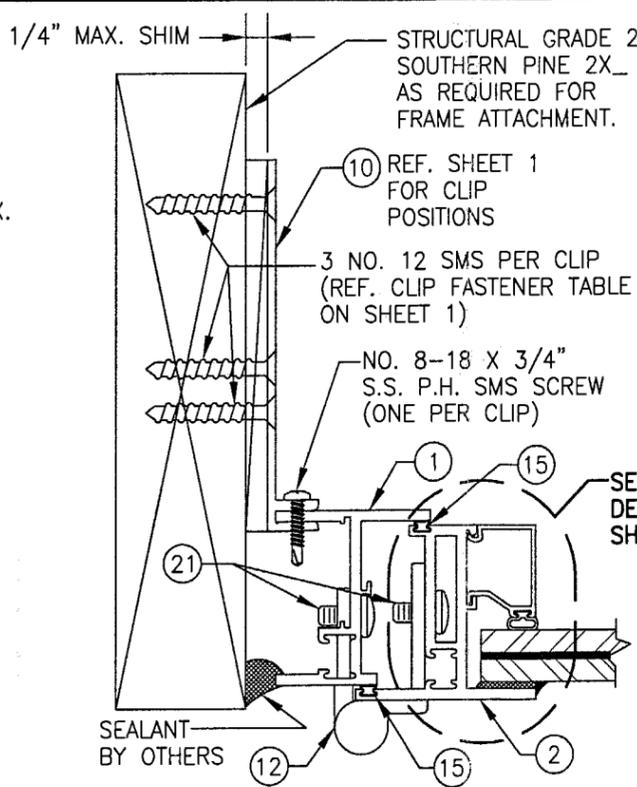
By *Warren W. Schaefer*
Miami Dade Product Control
Division

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PLOT: 1-16		DATE: 08/25/03	
NO.	REVISION DESCRIPTION	BY	DATE
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CERTIFICATION AUG 26 2003		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
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SHEET NO. 2		OF 5	



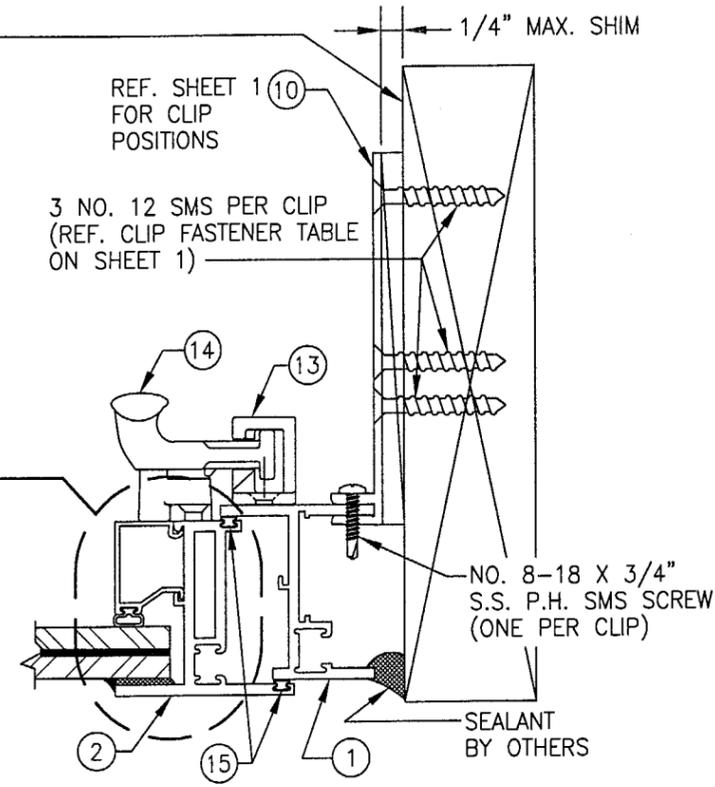
SECTION C
SCALE: 1/2 FULL
(MOUNT TO WOOD)

SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.



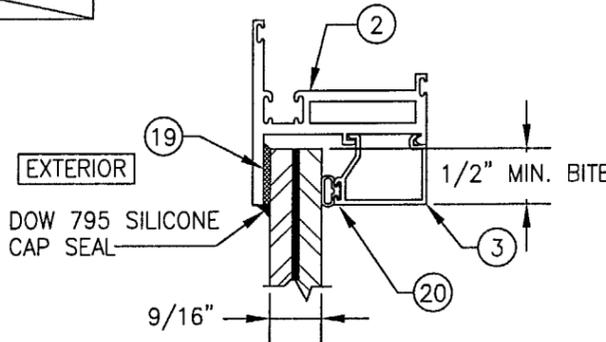
SECTION D
SCALE: 1/2 FULL
(MOUNT TO WOOD)

SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.



SECTION E
SCALE: 1/2 FULL
(MOUNT TO WOOD)

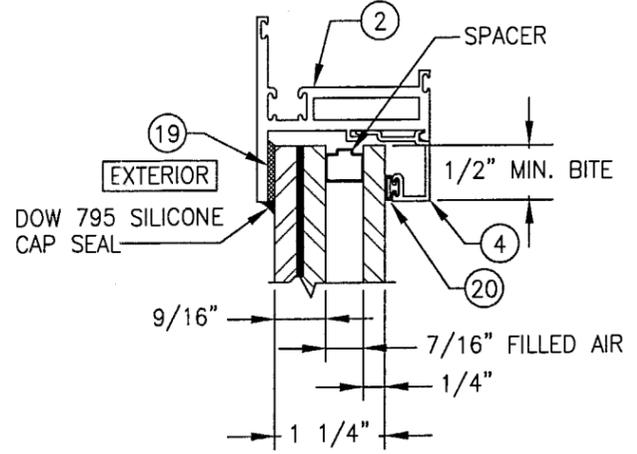
SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.



GLAZING DETAIL; GLASS "A"
SMALL MISSILE IMPACT

9/16" THK. LAMINATED GLASS BY SAFLEX WITH 1/4" 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

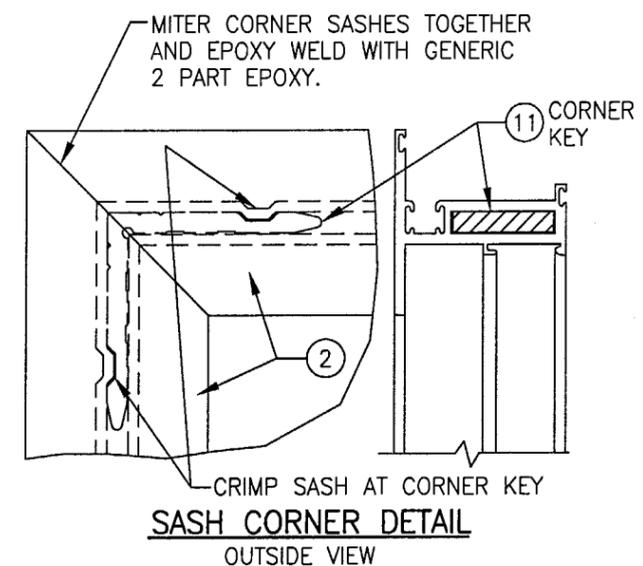
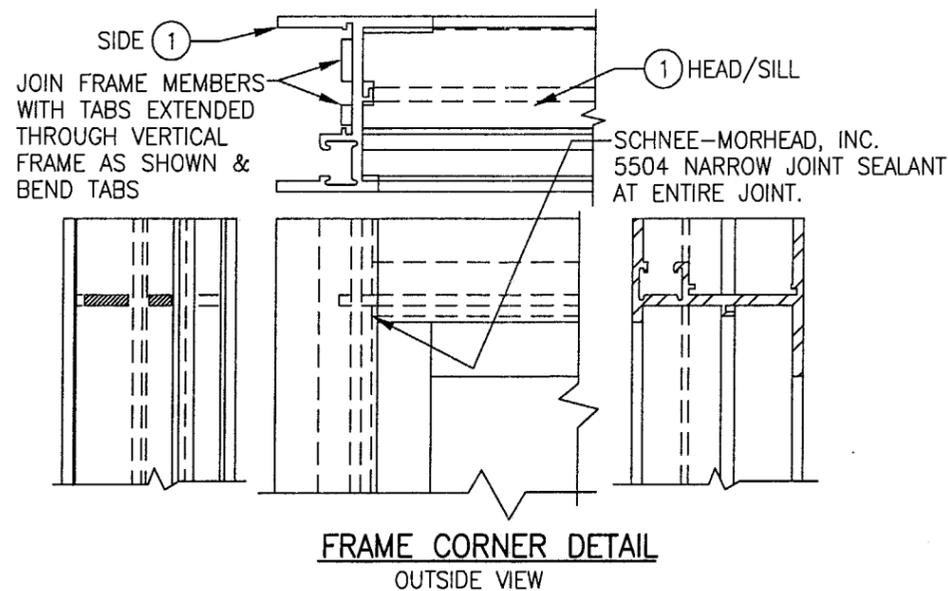
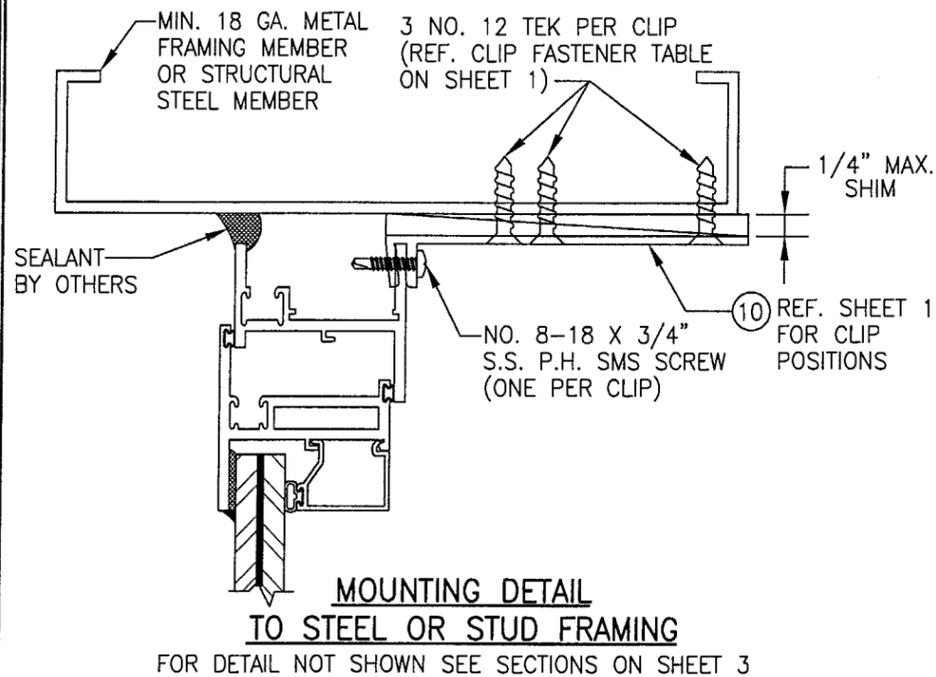
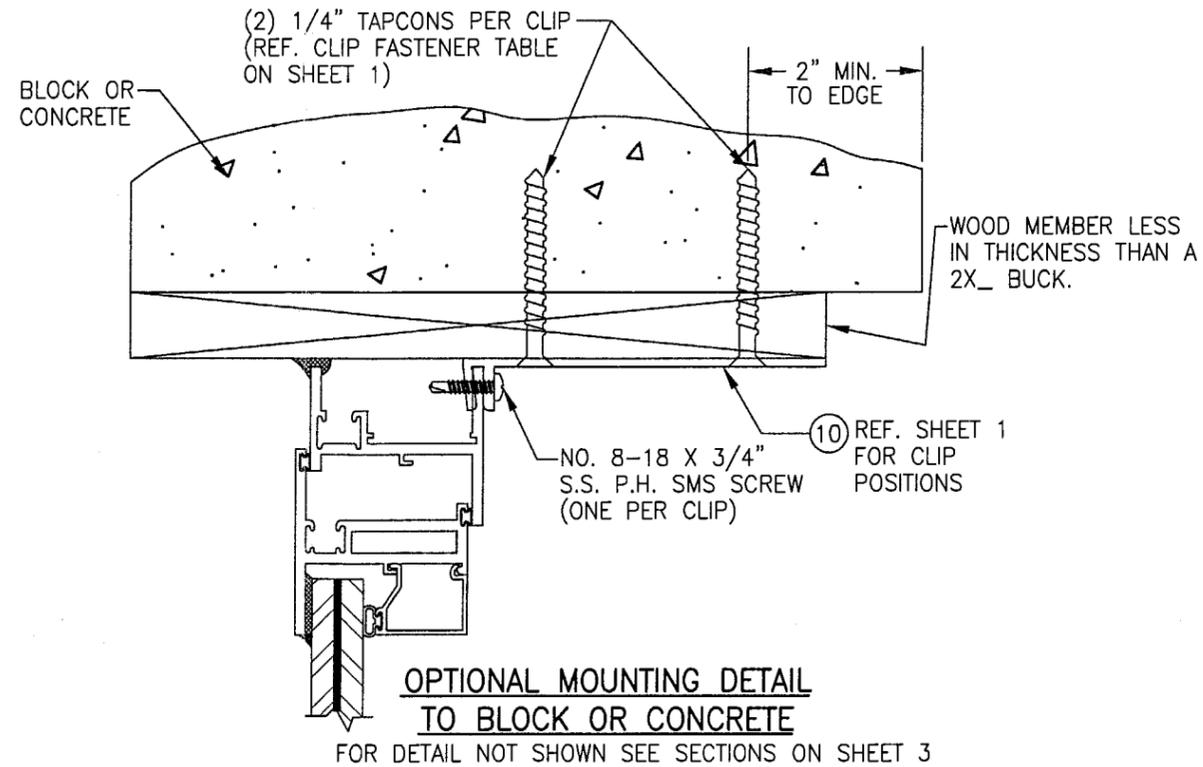
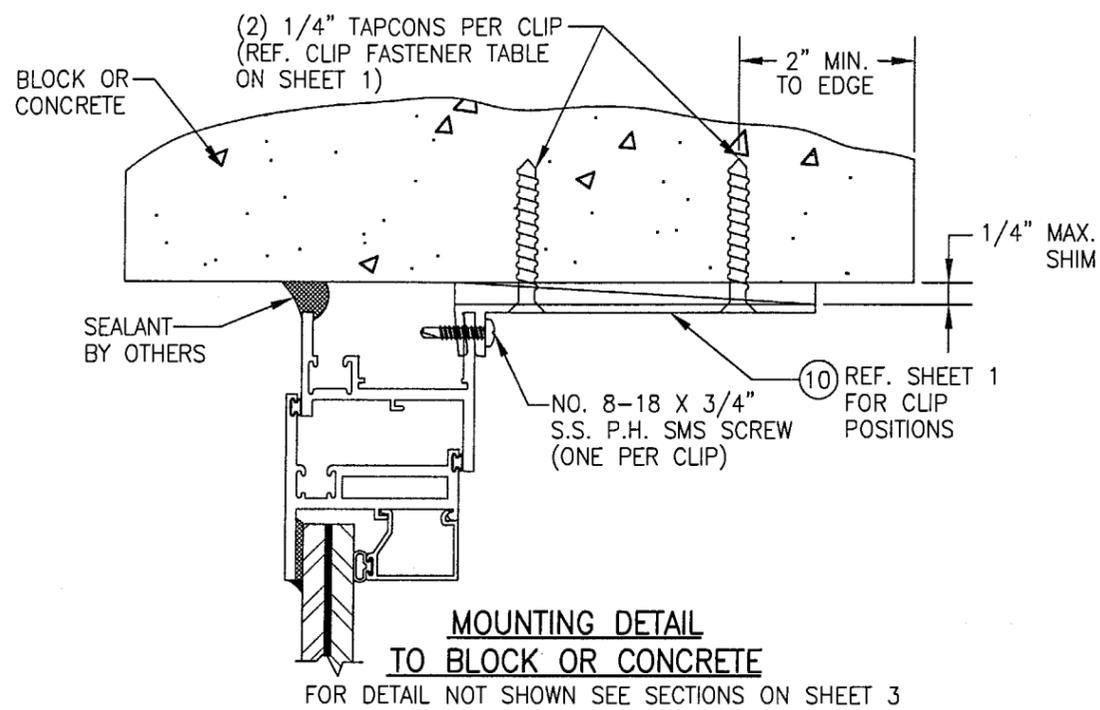
I.G. GLASS WITH 9/16" THK. LAMINATED EXTERIOR GLASS BY SAFLEX (1/4" HT. ST./0.06 PVB/1/4" HT. ST.) AND 1/4" HT. ST. SINGLE PANE GLASS AT INTERIOR

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 03-0029.02
Expiration Date 09/20/06

By *Warren Schaefer*
Miami Dade Product Control Division

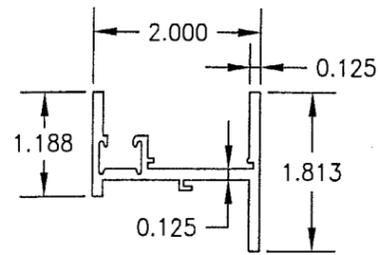
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PLOT: 1-16		DATE: 08/25/03	
NO.	REVISION DESCRIPTION	DATE	BY
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CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER EFCO CORPORATION	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH 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. P.E. NO. 44135	
DRAWING NO. 1027A		REV.	
SHEET NO. 3		OF 5	



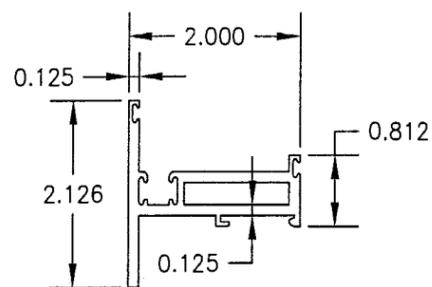
PRODUCT REVISED
 as complying with the Florida
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By *Warren W. Schaefer*
 Miami Dade Product Control
 Division

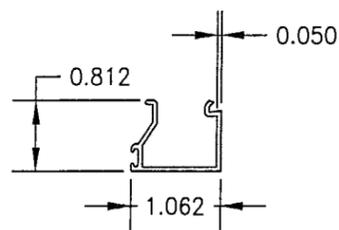
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PLOT: 1=16		DATE: 08/25/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE S-2600 SYSTEM II SMALL MISSILE IMPACT CASEMENT WINDOW			
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DRAWING NO. 1027A		REV.	
SHEET NO. 4 OF 5			



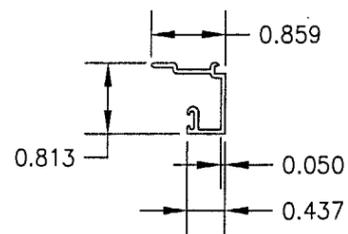
① JAMB



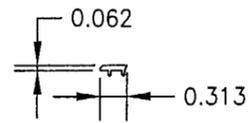
② SASH



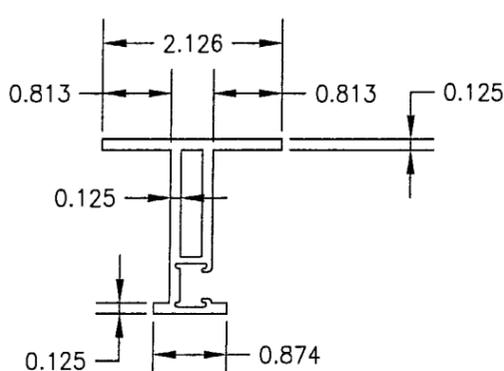
③ INTERIOR GLAZING STOP



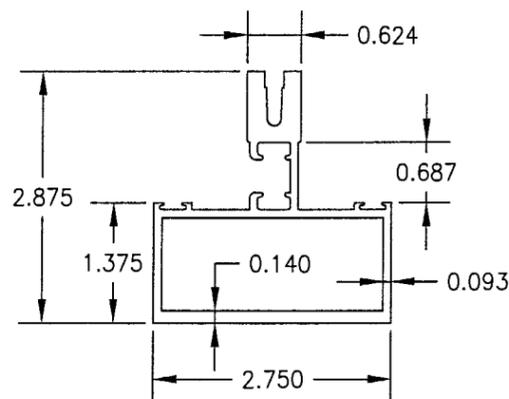
④ INT. I.G. GLAZING STOP



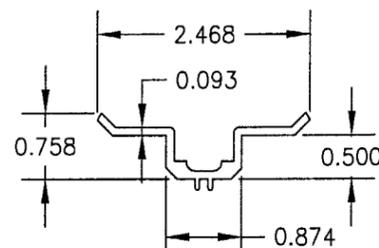
⑤ GLAZING CAP



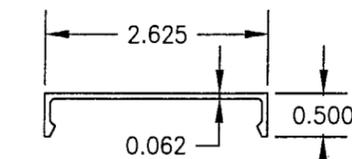
⑥ ASTRIGAL



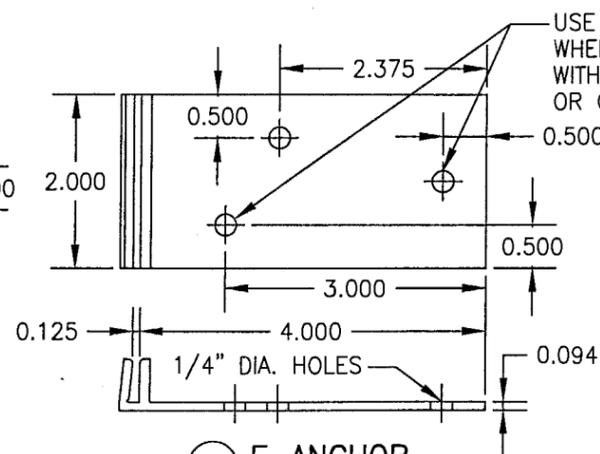
⑦ MULLION



⑧ MULLION CLIP

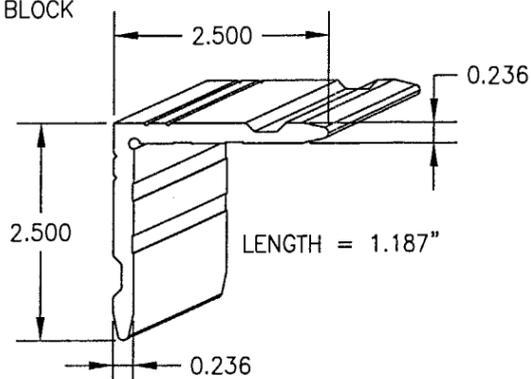


⑨ MULLION COVER



⑩ F-ANCHOR

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



⑪ CORNER KEY

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	ET43	JAMB/FRAME	EFCO; 6063-T6 ALUMINUM
2	ES56	SASH	EFCO; 6063-T6 ALUMINUM
3	EFO4	INT. GLAZING STOP	EFCO; 6063-T6 ALUMINUM
4	EG57	INT. I.G. GLAZING STOP	EFCO; 6063-T6 ALUMINUM
5	LB00	GLAZING CAP	FIBER REINFORCED NYLON
6	ES54	ASTRIGAL/MEETING RAIL	EFCO; 6063-T6 ALUMINUM
7	EG50	MULLION	EFCO; 6063-T6 ALUMINUM
8	EE32	MULLION CLIP	EFCO; 6063-T6 ALUMINUM
9	EE31	MULLION COVER	EFCO; 6063-T6 ALUMINUM
10	KA23/1880	F-ANCHOR	EFCO; 6063-T6 ALUMINUM
11	EM45	CORNER KEY	EFCO; 6063-T6 ALUMINUM
HARDWARE			
12	ED71/ED72	BUTT HINGES	EFCO; 6063-T6 ALUMINUM
13	HK10	LOCK KEEPER	BRONZE KRAFT (MANGANESE BRONZE)
14	HU41	CAM LOCK	BRONZE KRAFT (MANGANESE BRONZE)
SEALS & SEALANTS			
15	WA04	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
16	WVB4	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
17	-	3/16 FOAM TAPE	NORTON
18	-	DOW 995 SILICONE	DOW CORNING
19	-	BACK BEDDING TAPE	TREMCO
20	WVB2	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
MISCELLANEOUS FASTENERS			
21	MPO2	1/4-20 X 1/2\"	3 PER HINGE LEG

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 CASEMENT 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

By *Warren W. Schaefer*
Warren W. Schaefer, P.E.
P.E. NO. 44135

PRODUCT REVISED
as complying with the Florida
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Miami Dade Product Control
Division

DRAWING NO.
1027A

SHEET NO.
5 OF 5