



**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 Rd.
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "2600 System II" Aluminum Project-Out Window-S.M.

APPROVAL DOCUMENT: Drawing No.1029A, titled "S-2600 System II Small Missile Impact Fixed/Project Out Window", sheets 1 through 5 of 5, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 8/25/03, 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 # 00-0217.13 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**

TS
10/3/2003



**NOA No 03-0829.03
Expiration Date: September 20, 2006
Approval Date: October 30, 2003
Page 1**

EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

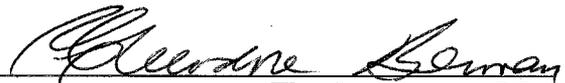
1. Manufacturer's die drawings and sections.
2. Drawing No. **1029A**, titled "S-2600 System II Small Missile Impact Fixed/Project Out Window", sheets 1 through 5 of 5, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 8/25/03, signed and sealed by Warren Schaefer, P.E.

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
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-0046-0505.03**, dated 4/28/03, signed and sealed by Vinu J Abraham, P.E.

Submitted under NOA# 00-0207.13

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.
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) 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 03-0829.03

Expiration Date: September 20, 2006

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C CALCULATIONS

Submitted under NOA# 00-0207.13

1. Anchor Calculations, ASTM-1300-98, 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# 00-0207.13

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. QUALITY ASSURANCE

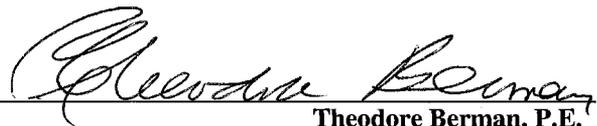
1. Miami Dade County Building Code Compliance Office

F. STATEMENTS

1. Laboratory compliance letter for Test Report no. **HTL 0046-0505.03**, issued by Hurricane Test Laboratory, Inc., dated 5/15/03, signed and sealed by Vinu J. Abraham, P.E.

G. OTHER

1. Notice of Acceptance No. **00-0207.13**, issued to EFCO Corp., Series "2600 System II" Aluminum Project-Out Window, approved on 9/20/01 and expiring on 9/20/06.

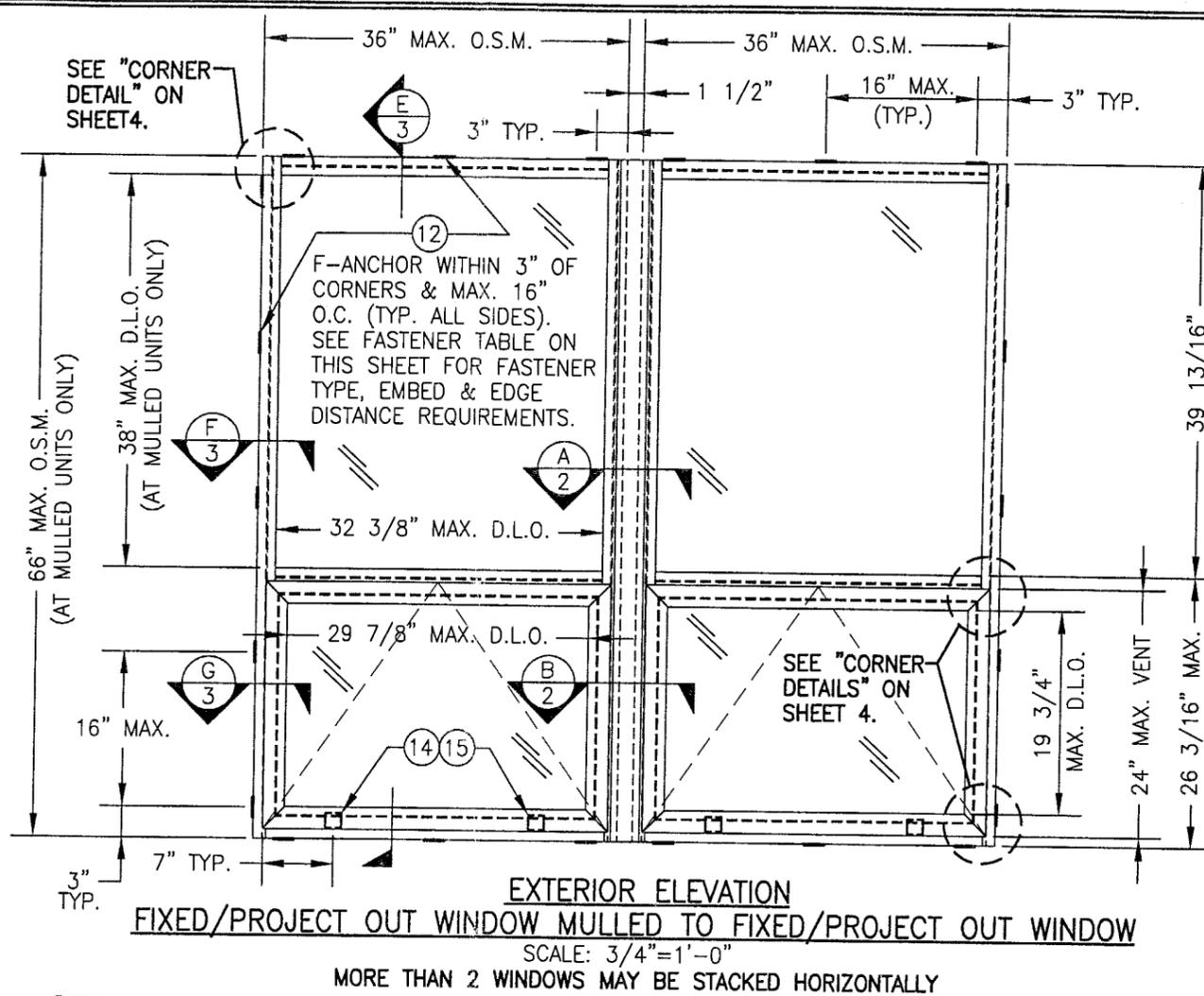
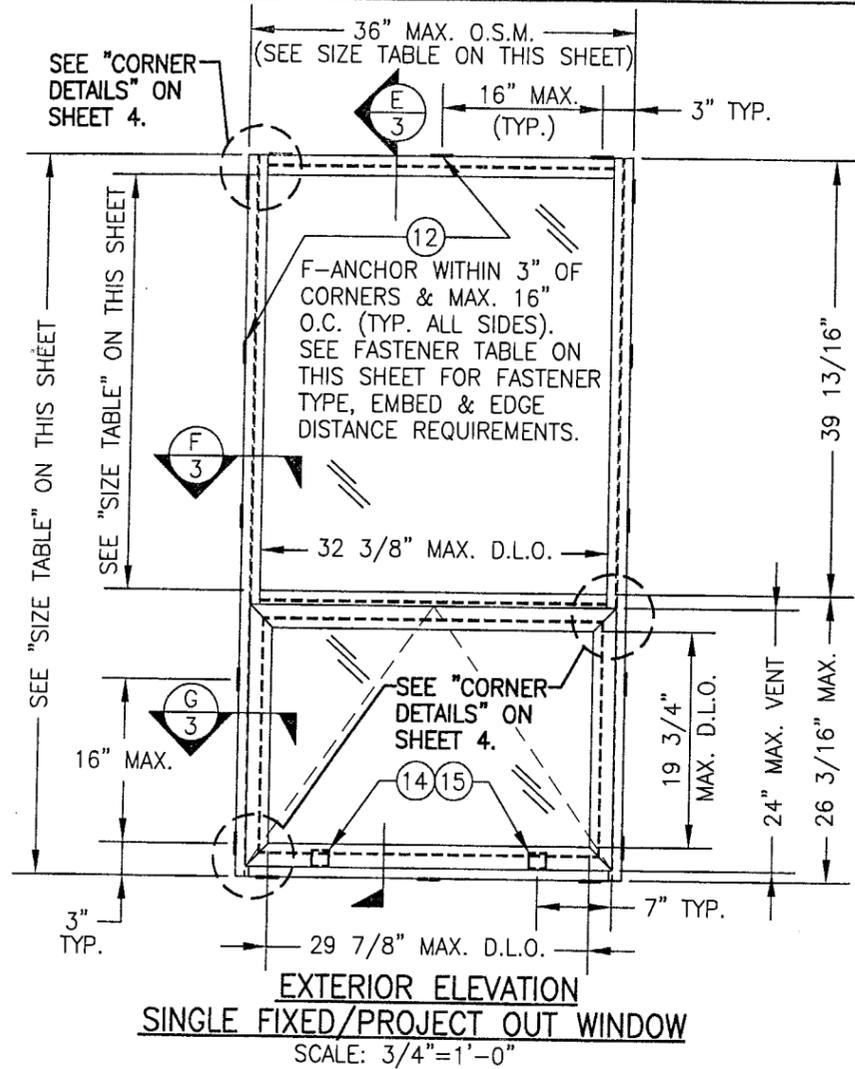


Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 03-0829.03

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.

O.S.M. = OUTSIDE FRAME MEASUREMENT

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"

WINDOW MAXIMUM SIZE TABLE (SINGLE WINDOWS ONLY)

FRAME WIDTH	FRAME HEIGHT	TOP WINDOW D.L.O.		BOTTOM WINDOW D.L.O.	
		HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
24"	99"	20 3/8"	71"	17 7/8"	19 3/4"
27"	88"	23 3/8"	60"	20 7/8"	19 3/4"
30"	79"	26 3/8"	51"	23 7/8"	19 3/4"
33"	72"	29 3/8"	44"	26 7/8"	19 3/4"
36"	66"	32 3/8"	38"	29 7/8"	19 3/4"

NOTES: 1) ALL MULLED UNITS ARE LIMITED TO 66" TALL AS TESTED.
2) ALL WINDOWS ARE LIMITED TO 36" MAXIMUM WIDTH.

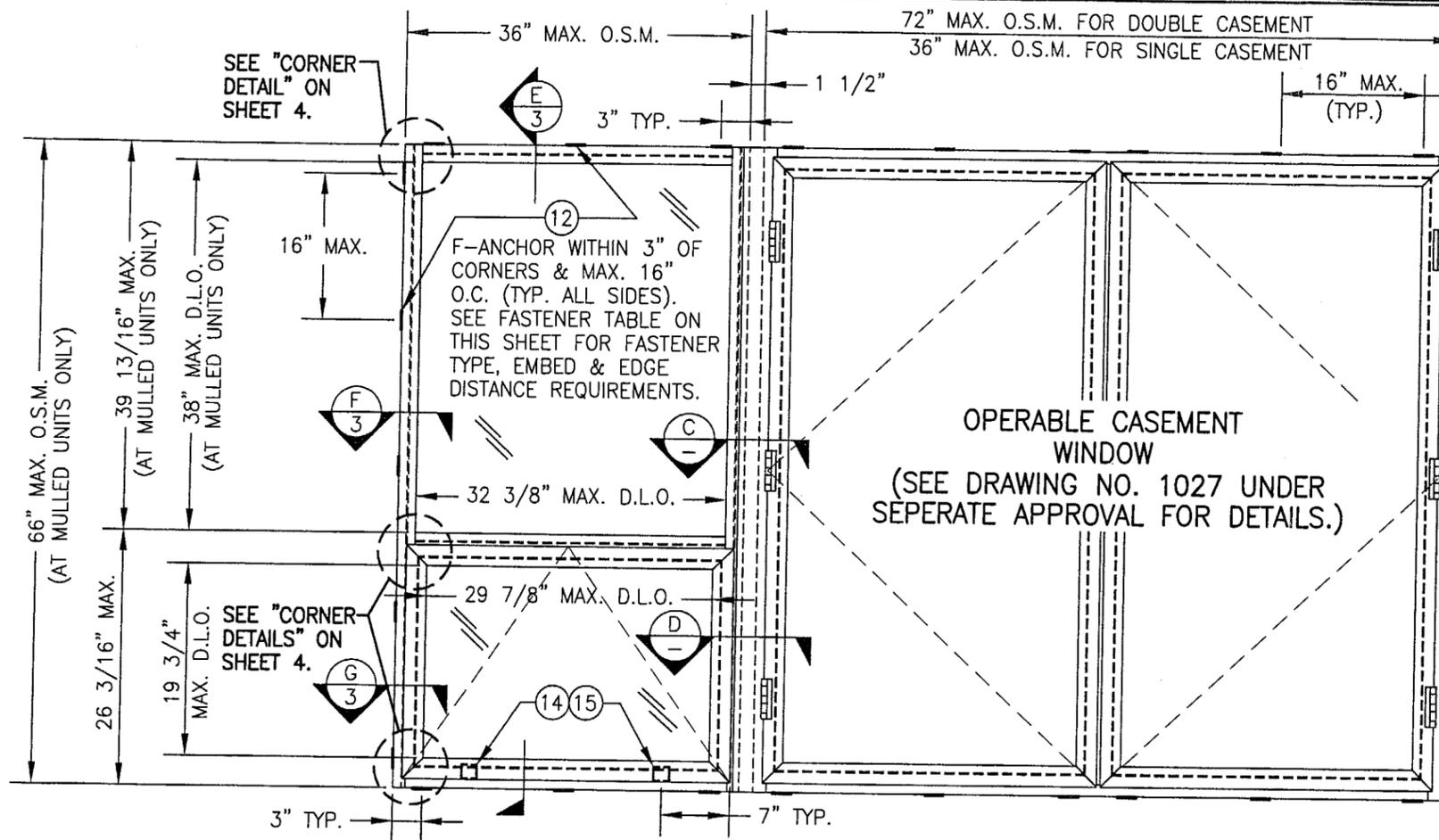
ALLOWABLE DESIGN LOADS & IMPACT RATING

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. ALL MULLED UNITS ARE LIMITED TO 66" TALL AS TESTED.
2. SMALL MISSILE IMPACT WINDOWS MAY NOT BE INSTALLED AT A SILL ELEVATION LESS THAN 30 FT. ABOVE GRADE.

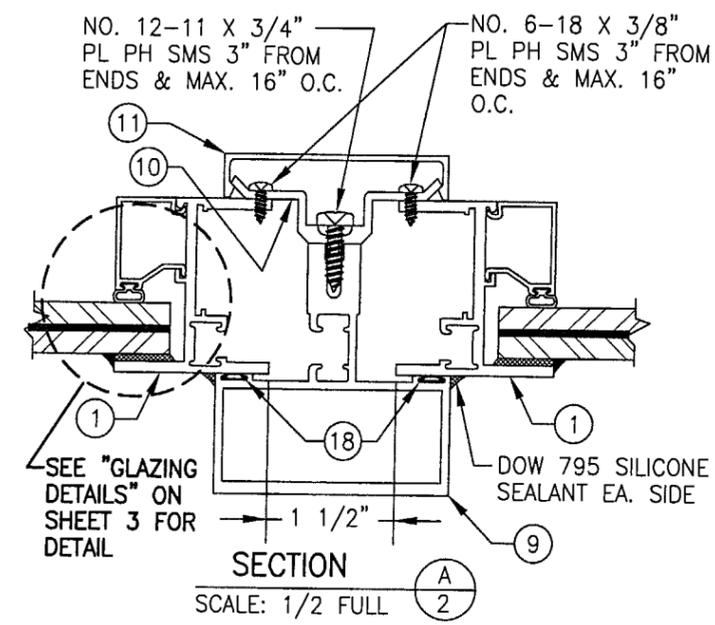
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 03-0829.03
Expiration Date 09/20/06
By: *Cleodore Herman*
Miami Dade Product Control Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 08/25/03
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE S-2600 SYSTEM II SMALL MISSILE IMPACT FIXED/PROJECT OUT 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	WARREN W. SCHAEFER, P.E. P. NO. 44135
DRAWING NO. 1029A	REV.
SHEET NO. 1	OF 5



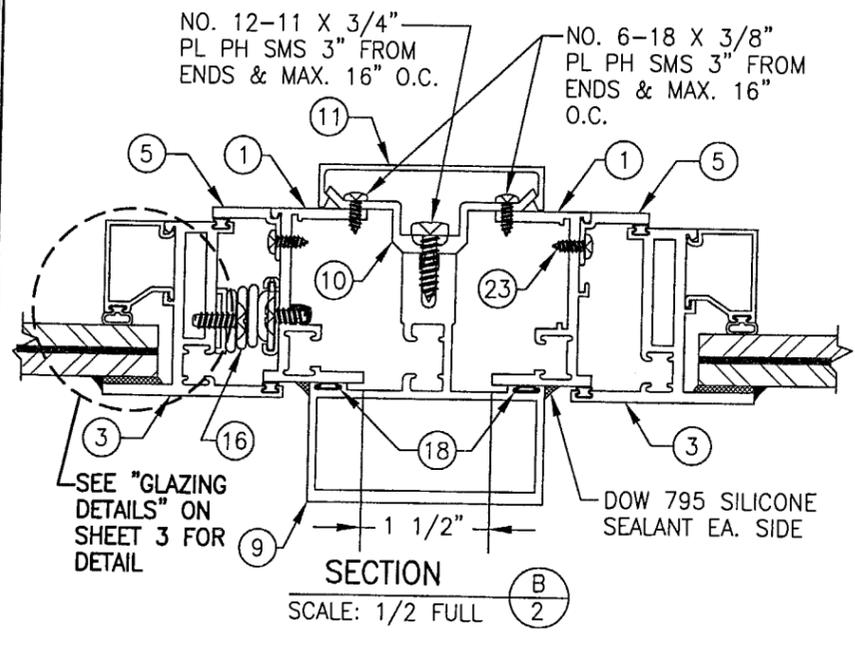
EXTERIOR ELEVATION
FIXED/PROJECT OUT WINDOW MULLED TO CASEMENT WINDOW
 SCALE: 3/4"=1'-0"
 MORE THAN 2 WINDOWS MAY BE STACKED HORIZONTALLY

FOR FIXED/PROJECT
 OUT WINDOW MULLED TO
 FIXED WINDOW, SEE
 DRAWING NO. 1028.
 UNDER SEPERATE APPROVAL.

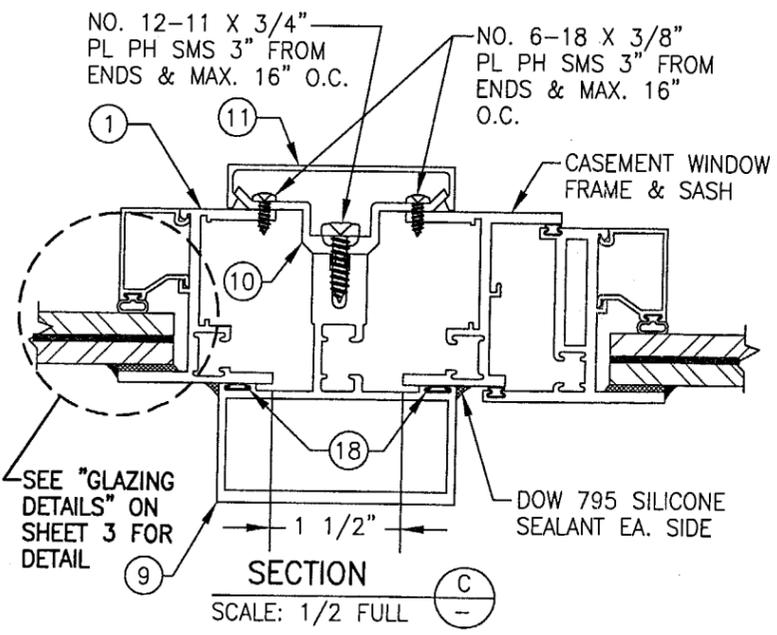


SECTION A-2
 SCALE: 1/2 FULL

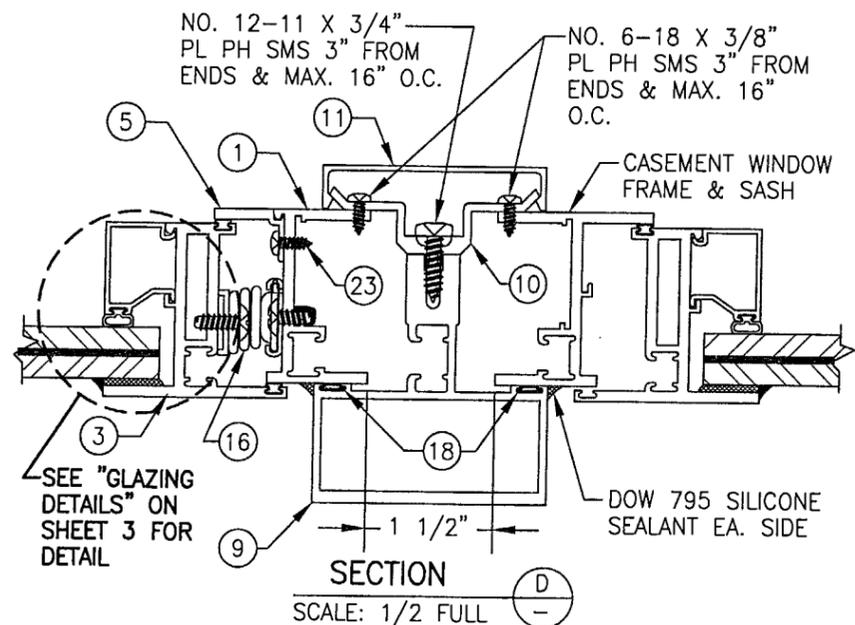
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 03-0829.03
 Expiration Date 09/29/06
 By *Cleopatra Berman*
 Miami Dade Product Control
 Division



SECTION B-2
 SCALE: 1/2 FULL

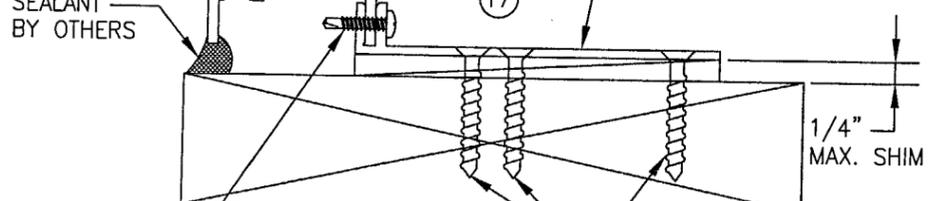
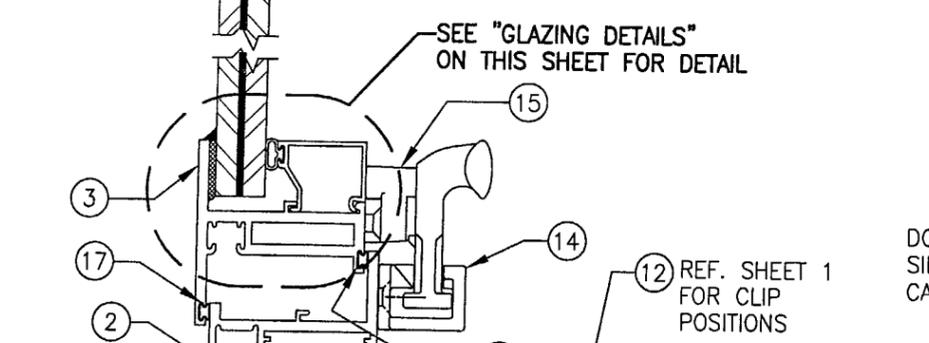
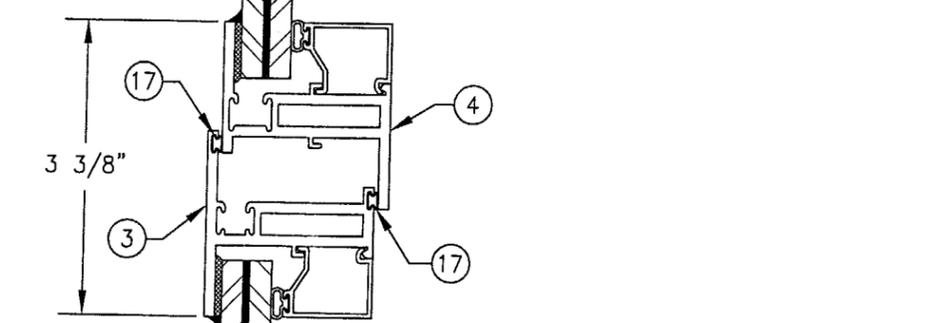
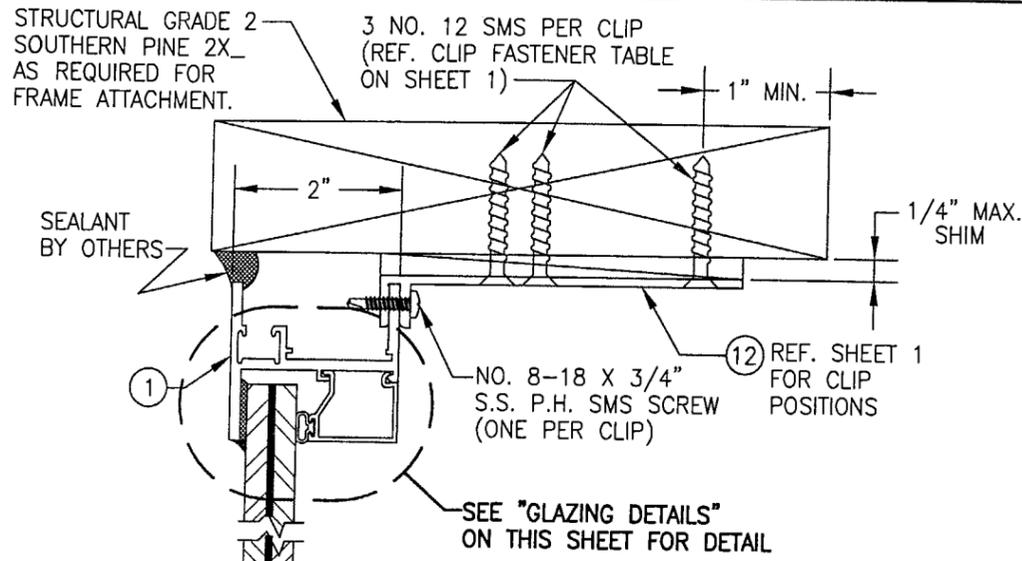


SECTION C-2
 SCALE: 1/2 FULL



SECTION D-2
 SCALE: 1/2 FULL

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 FIXED/PROJECT OUT 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. P.E. NO. 44135			
DRAWING NO. 1029A		REV. 	
SHEET NO. 2		OF 5	



NO. 8-18 X 3/4" S.S. P.H. SMS SCREW (ONE PER CLIP)

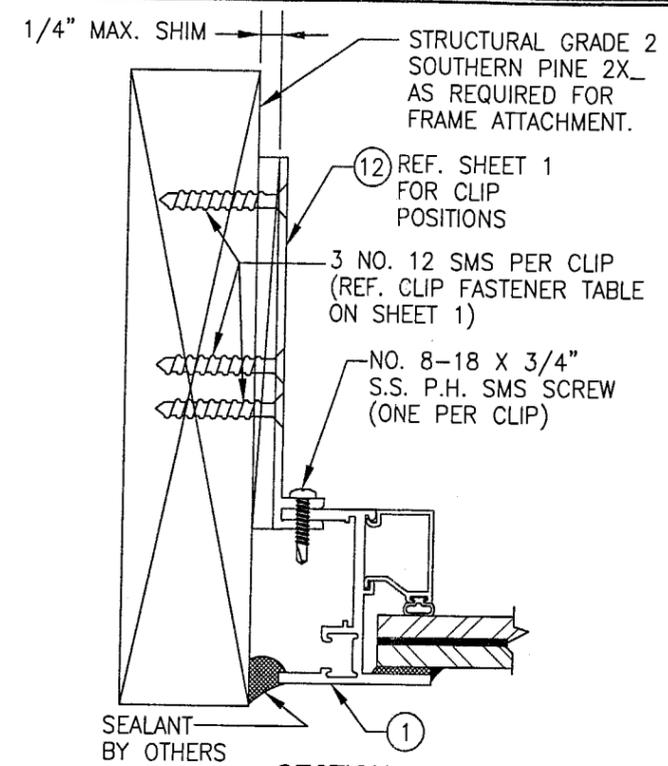
3 NO. 12 SMS PER CLIP (REF. CLIP FASTENER TABLE ON SHEET 1)

SECTION E

SCALE: 1/2 FULL

(MOUNT TO WOOD)

SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.

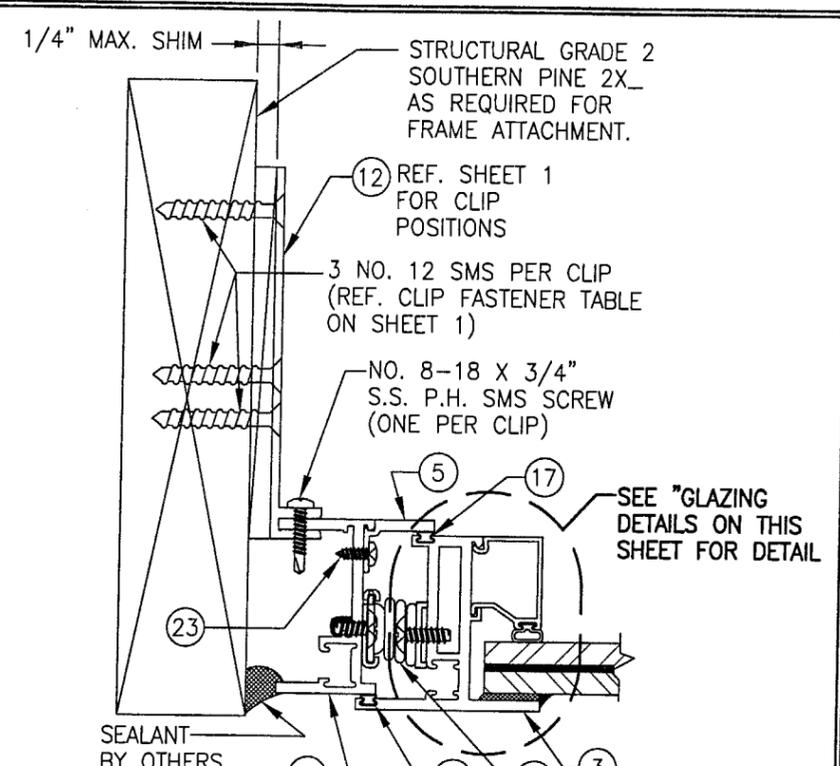


SECTION F

SCALE: 1/2 FULL

(MOUNT TO WOOD)

SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.

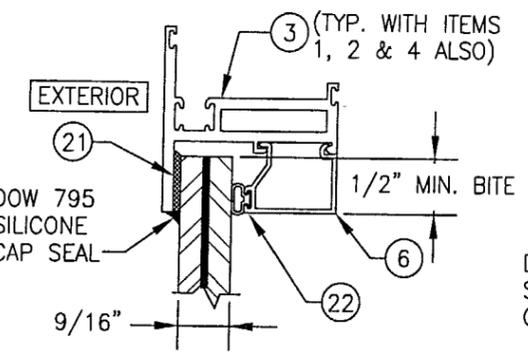


SECTION G

SCALE: 1/2 FULL

(MOUNT TO WOOD)

SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.

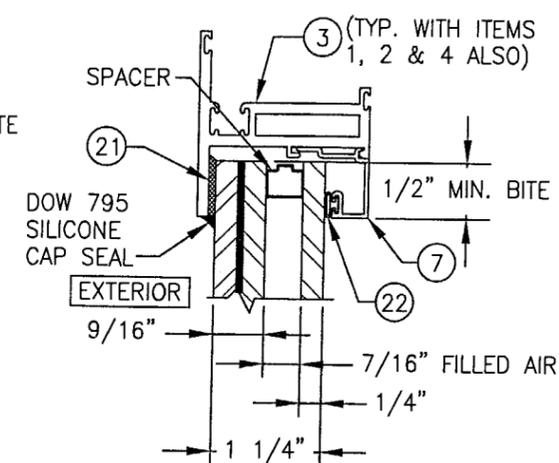


GLAZING DETAIL: GLASS "A"

SMALL MISSILE IMPACT

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

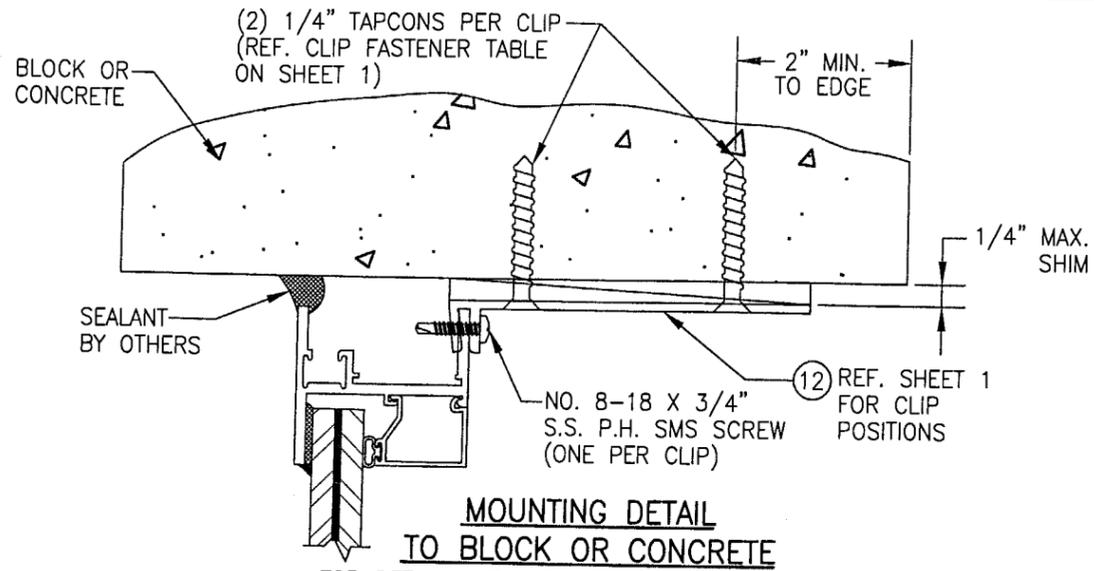
I.G. GLASS WITH 9/16" THK. LAMINATED EXTERIOR GLASS BY SAFLEX (1/4" HT. ST./0.06 PVB/1/4" HT. ST.) AND 1/4" HT. ST. SINGLE PANE GLASS AT INTERIOR

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

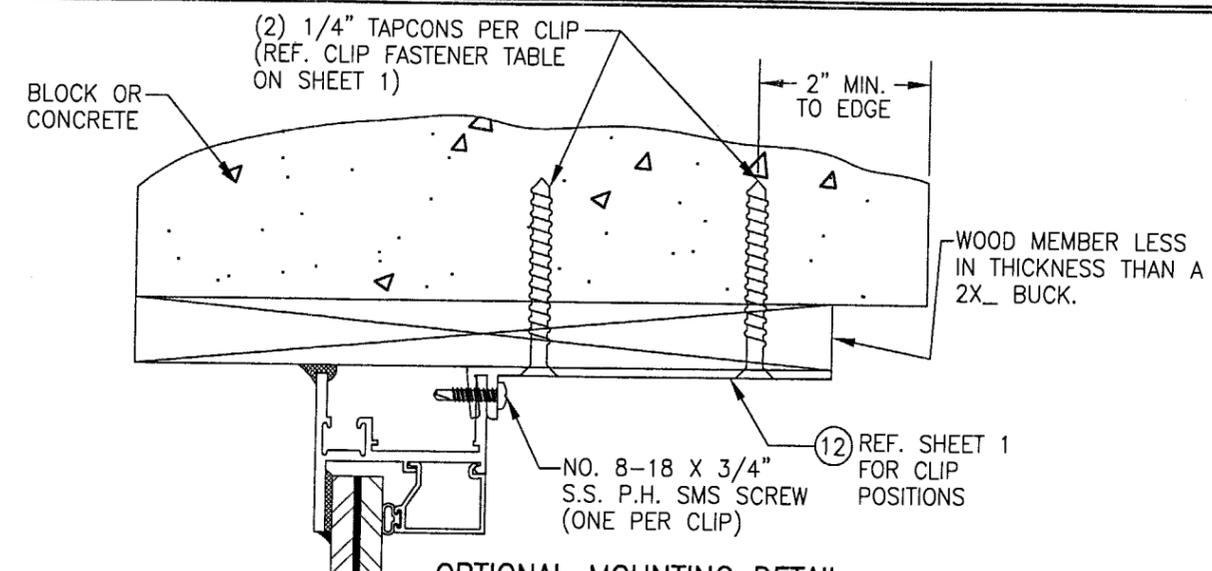
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 03-0829.03
 Expiration Date 09/20/06

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

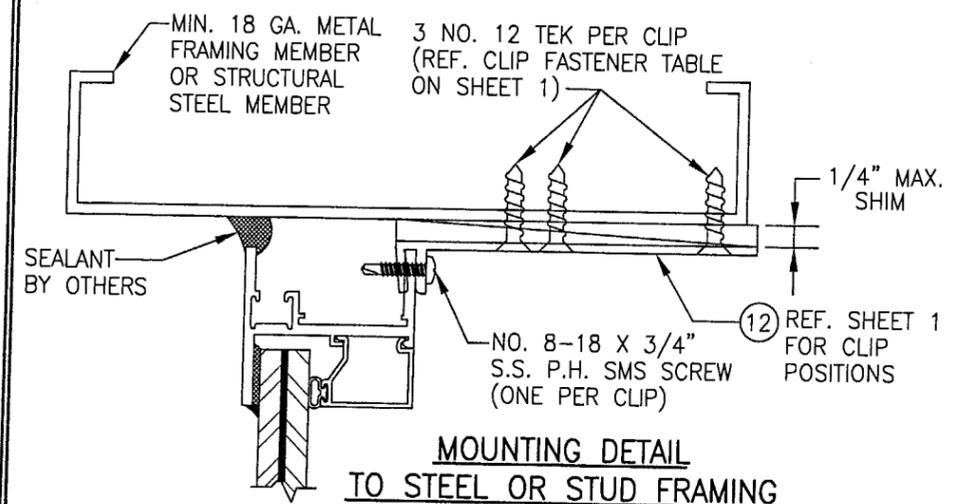
DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 08/25/03
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE S-2600 SYSTEM II SMALL MISSILE IMPACT FIXED/PROJECT OUT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
MANUFACTURER EFCO CORPORATION	
1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION AUG 26 2003	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1029A	REV.
SHEET NO. 3 OF 5	



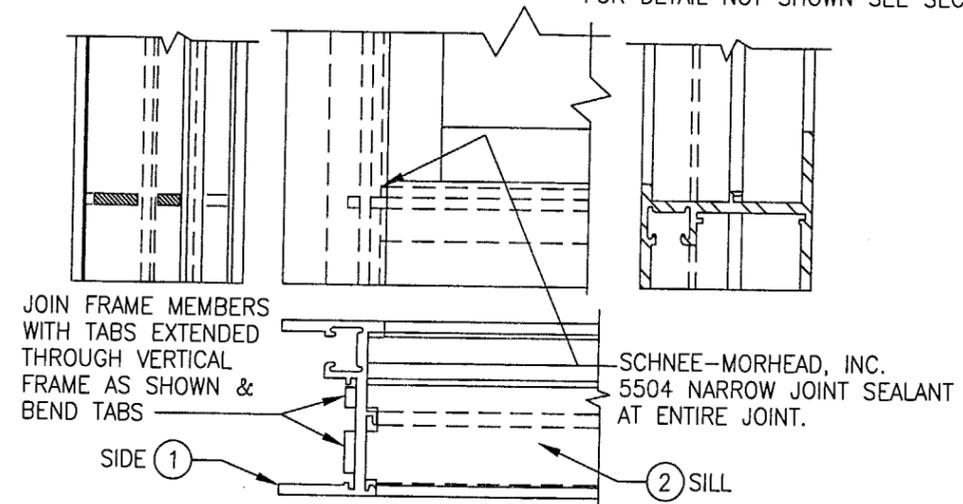
FOR DETAIL NOT SHOWN SEE SECTIONS ON SHEET 3



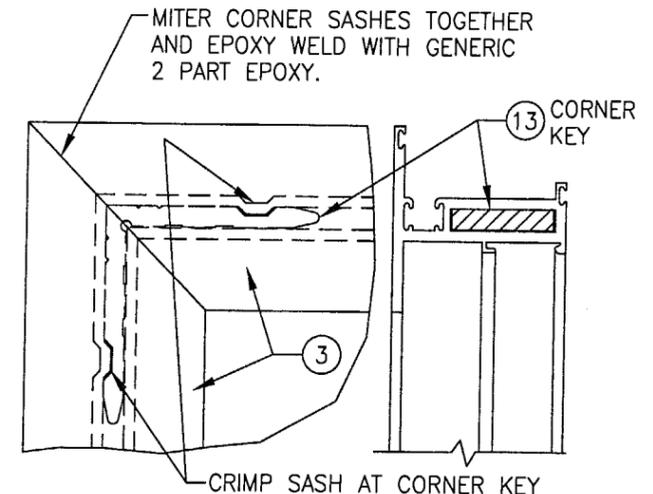
FOR DETAIL NOT SHOWN SEE SECTIONS ON SHEET 3



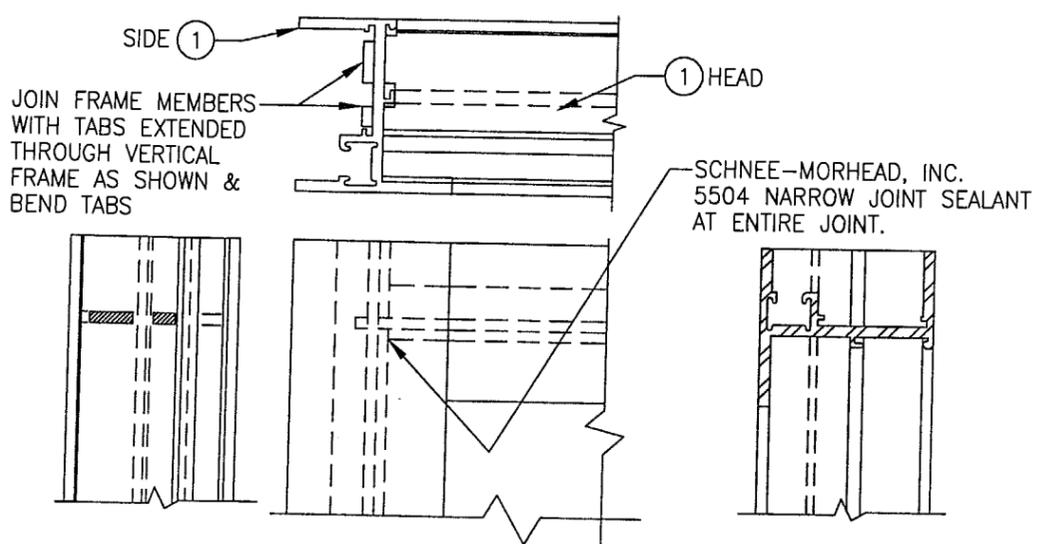
FOR DETAIL NOT SHOWN SEE SECTIONS ON SHEET 3



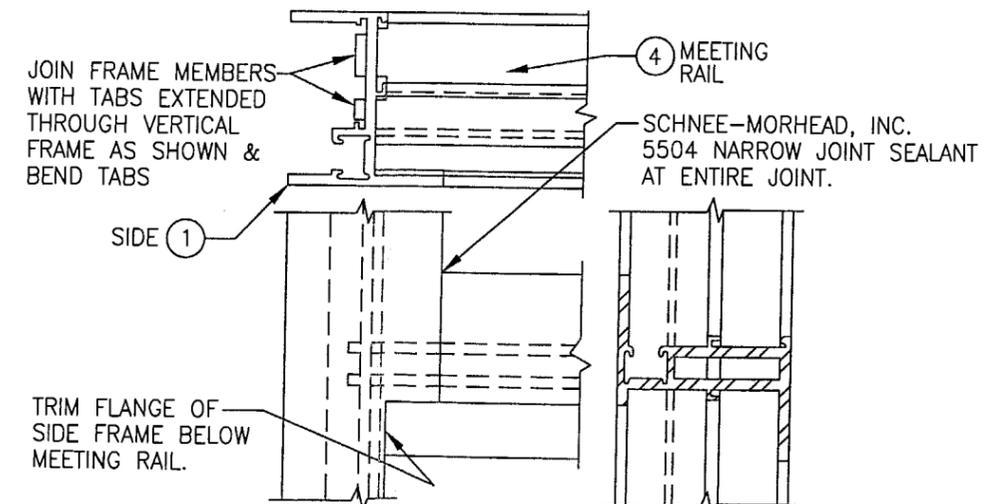
OUTSIDE VIEW



OUTSIDE VIEW



OUTSIDE VIEW

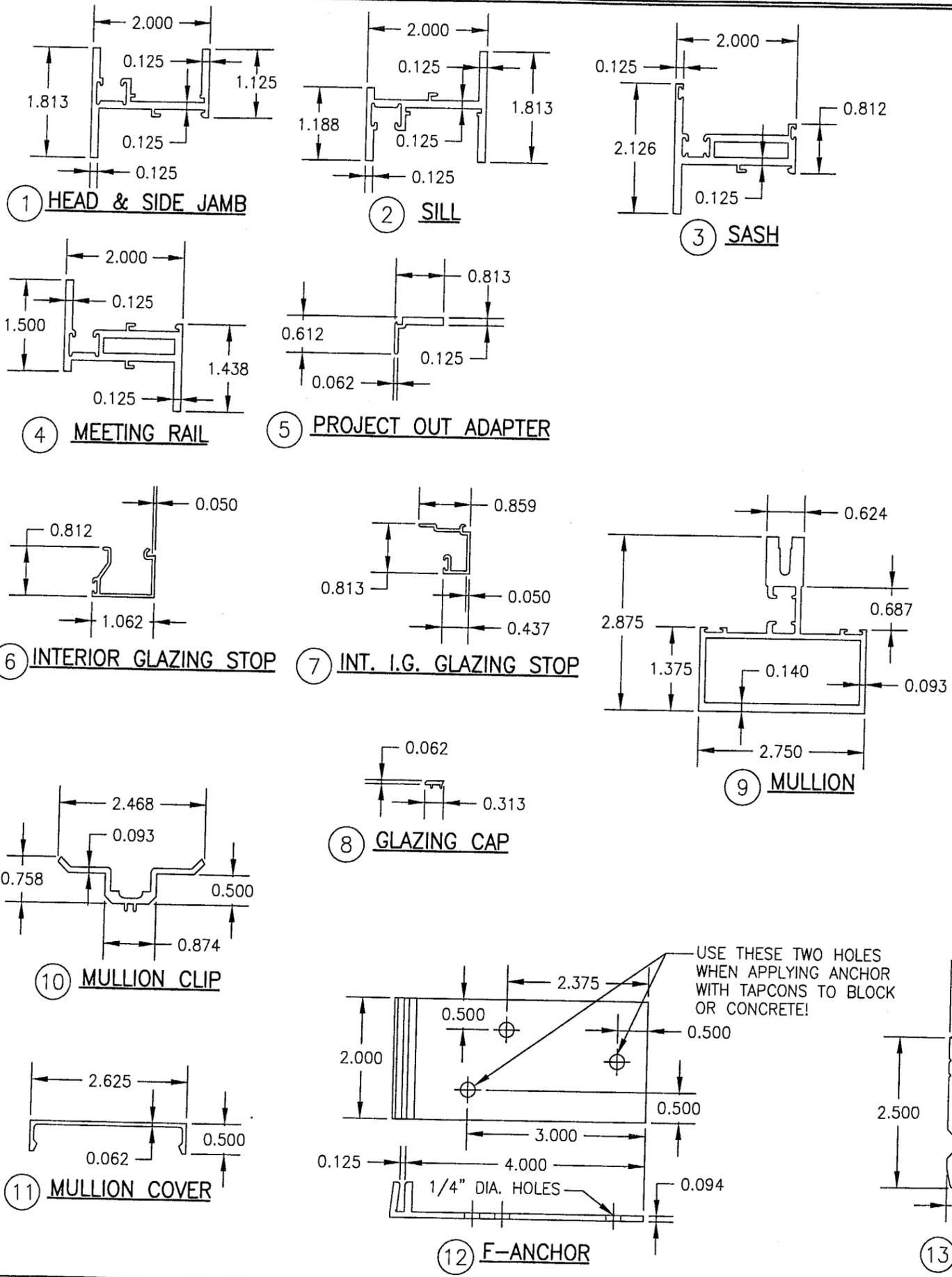


OUTSIDE VIEW

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 03-0829.03!
Expiration Date 09/20/06

By *Charles Lema*
Miami Dade Product Control
Division

DRAWING TITLE		S-2600 SYSTEM II SMALL MISSILE IMPACT FIXED/PROJECT OUT WINDOW	
DRAWN BY:		K.P.S.	
CHECKED BY:		W.W.S.	
PLOT:		1=2	
DATE:		08/25/03	
NO.	REVISION DESCRIPTION	DATE	BY
MANUFACTURER		EFCO CORPORATION	
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	
		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.		1029A	
REV.			
SHEET NO.		4 OF 5	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	ES48	HEAD & SIDE JAMB/FRAME	EFCO; 6063-T6 ALUMINUM
2	ET43	SILL/FRAME	EFCO; 6063-T6 ALUMINUM
3	ES56	SASH	EFCO; 6063-T6 ALUMINUM
4	ES52	MEETING RAIL	EFCO; 6063-T6 ALUMINUM
5	ES67	PROJECT OUT ADAPTER	EFCO; 6063-T6 ALUMINUM
6	EF04	INT. GLAZING STOP	EFCO; 6063-T6 ALUMINUM
7	EG57	INT. I.G. GLAZING STOP	EFCO; 6063-T6 ALUMINUM
8	LB00	GLAZING CAP	FIBER REINFORCED NYLON
9	EG50	MULLION	EFCO; 6063-T6 ALUMINUM
10	EE32	MULLION CLIP	EFCO; 6063-T6 ALUMINUM
11	EE31	MULLION COVER	EFCO; 6063-T6 ALUMINUM
12	KA23/1880	F-ANCHOR	EFCO; 6063-T6 ALUMINUM
13	EM45	CORNER KEY	EFCO; 6063-T6 ALUMINUM
HARDWARE			
14	HK10	LOCK KEEPER	BRONZE KRAFT (MANGANESE BRONZE)
15	HU41	CAM LOCK	BRONZE KRAFT (MANGANESE BRONZE)
16	LA10/LA09	S.S. BAR HINGE	ANDERBERG MODEL #301
SEALS & SEALANTS			
17	WA04	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
18	WVB4	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
19	-	3/16 FOAM TAPE	NORTON
20	-	DOW 995 SILICONE	DOW CORNING
21	-	BACK BEDDING TAPE	TREMCO
22	WVB2	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
MISCELLANEOUS FASTENERS			
23	-	NO. 6-15 X 1/2" PL-TH-SMS 18-8 AB	1" FROM ENDS & MAX. 8" O.C. PROJECT OUT ADAPTER TO FRAME

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 03-0829.03
 Expiration Date 09/20/06
 By: *Warren W. Schaeffer*
 Miami Dade Product Control
 Division

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 08/25/03	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE S-2600 SYSTEM II SMALL MISSILE IMPACT FIXED/PROJECT OUT 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. P.E. NO. 44135	
DRAWING NO. 1029A		REV.	
SHEET NO. 5 OF 5			