



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 Project-Out Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No.1029, titled "S-2600 System II Large Missile Impact Fixed/Project Out Window", sheets 1 through 5 of 5, dated 11/09/00 with revision A1 dated 08/25/03, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. 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: Large and 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 # 03-0618.05 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. 06-0605.06  
Expiration Date: September 20, 2011  
Approval Date: January 11 2007  
Page 1

**EFCO Corporation**

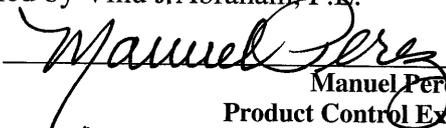
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1029**, titled "S-2600 System II Large Missile Impact Fixed/Project Out Window", sheets 1 through 5 of 5, dated 11/09/00 with revision A1 dated 08/25/03, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P.E. (*Submitted under NOA# 03-0618.05*)

**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.  
(*Submitted under NOA# 03-0618.05*)
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.  
(*Submitted under NOA# 03-0618.05*)

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 06-0605.06  
Expiration Date: September 20, 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# 03-0618.04)**
2. Anchor Calculations, ASTM-E1300-98, and structural analysis, dated 12/29/99, prepared by manufacturer, signed and sealed by Richard DiBlasi, P.E.  
**(Submitted under NOA# 00-0207.13)**

**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.

**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**

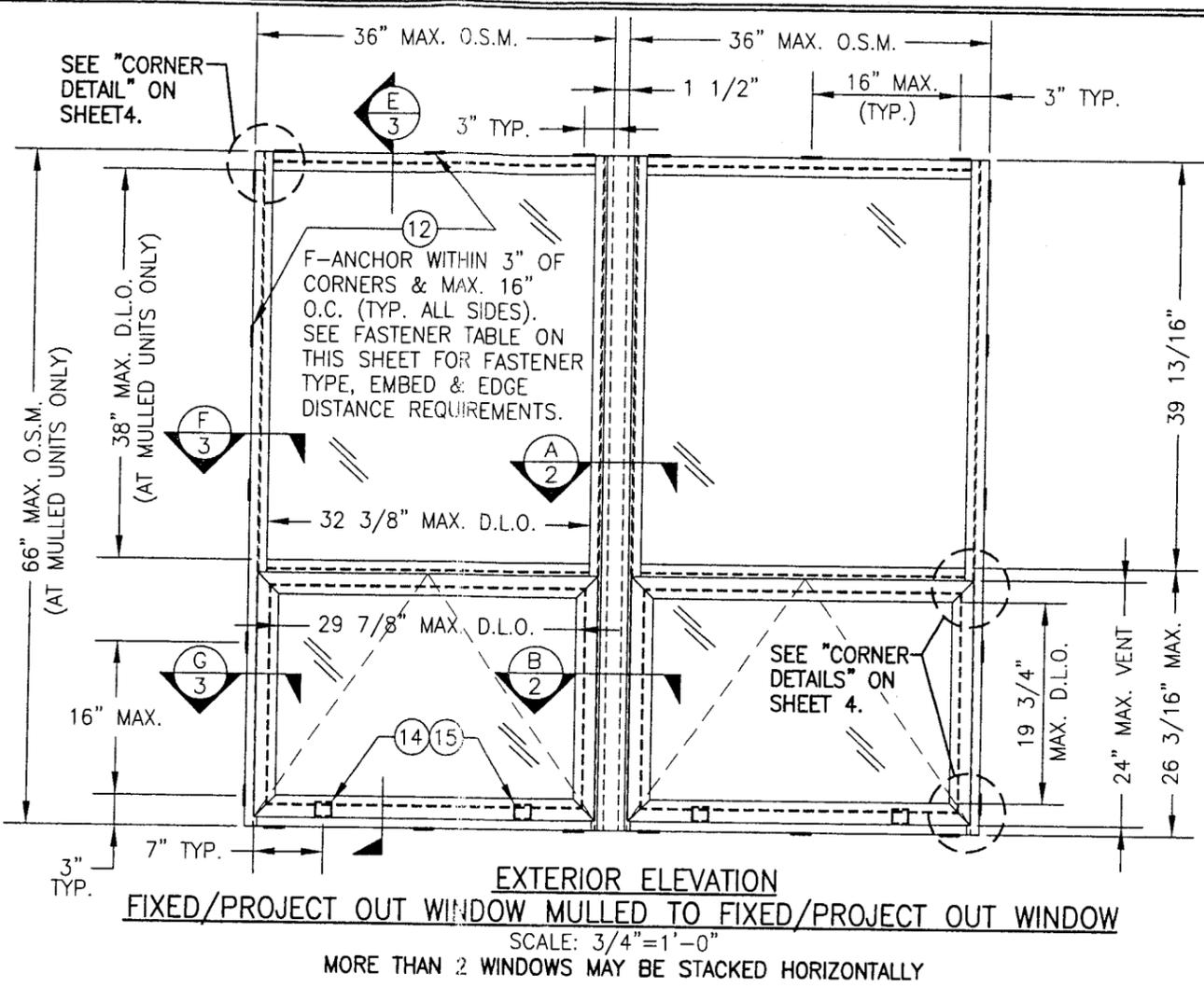
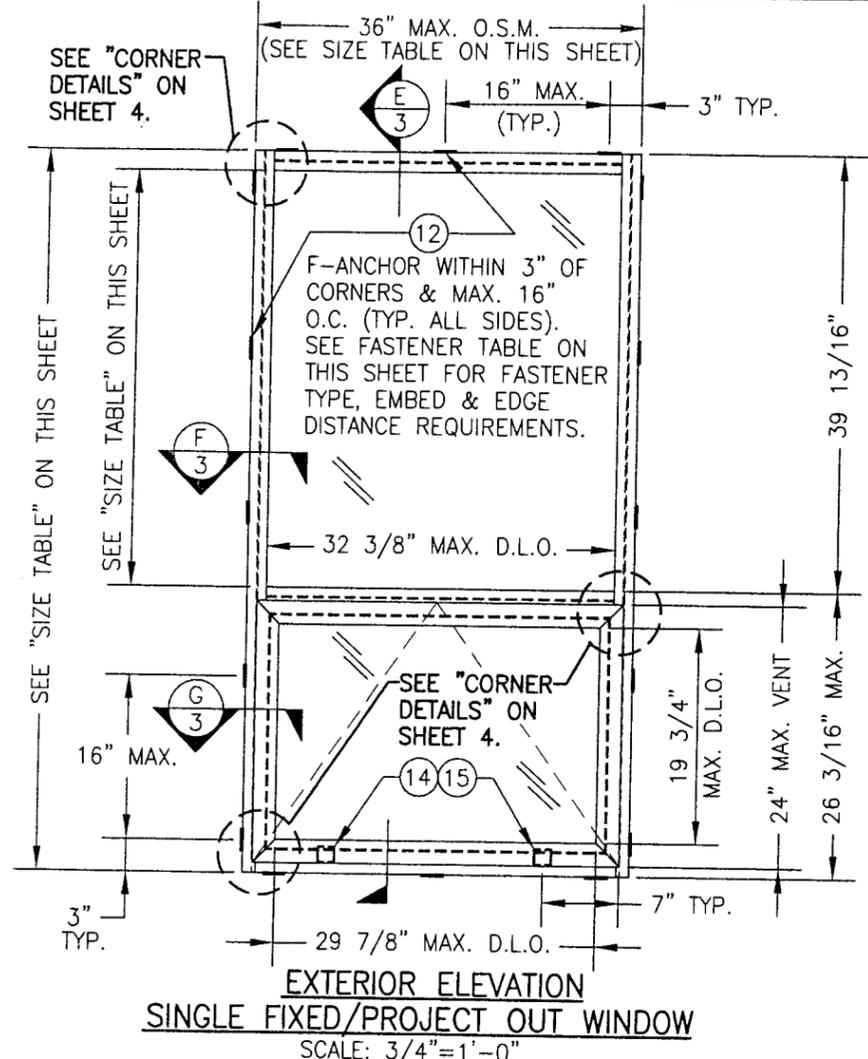
1. Notice of Acceptance No. **03-0618.05**, issued to EFCO Corporation for their Series "S-2600" System II Aluminum Project-Out Window-LM, approved on 10/30/03 and expiring on 09/20/06.

  
Manuel Perez, P.E.  
Product Control Examiner

NOA No. 06-0605.06

Expiration Date: September 20, 2011

Approval Date: January 11 2007



DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLAT:	1=16	DATE:	11/09/00
DATE:	08/25/03		
BY:	KPS		
REVISION DESCRIPTION:	DELETED SMALL MISSILE		
	IMPACT DETAILS		
NO:	A1		

**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**  
 DRAWING NO. 1029  
 SHEET NO. 1 OF 5  
 REV. A

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

**EXTERIOR ELEVATION**  
**FIXED/PROJECT OUT 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

**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 LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) FOR HIGH VELOCITY HURRICANE ZONE.

**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 MULLERED UNITS ARE LIMITED TO 66" TALL AS TESTED.  
 2) ALL WINDOWS ARE LIMITED TO 36" MAXIMUM WIDTH.

**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"

**ALLOWABLE DESIGN LOADS**

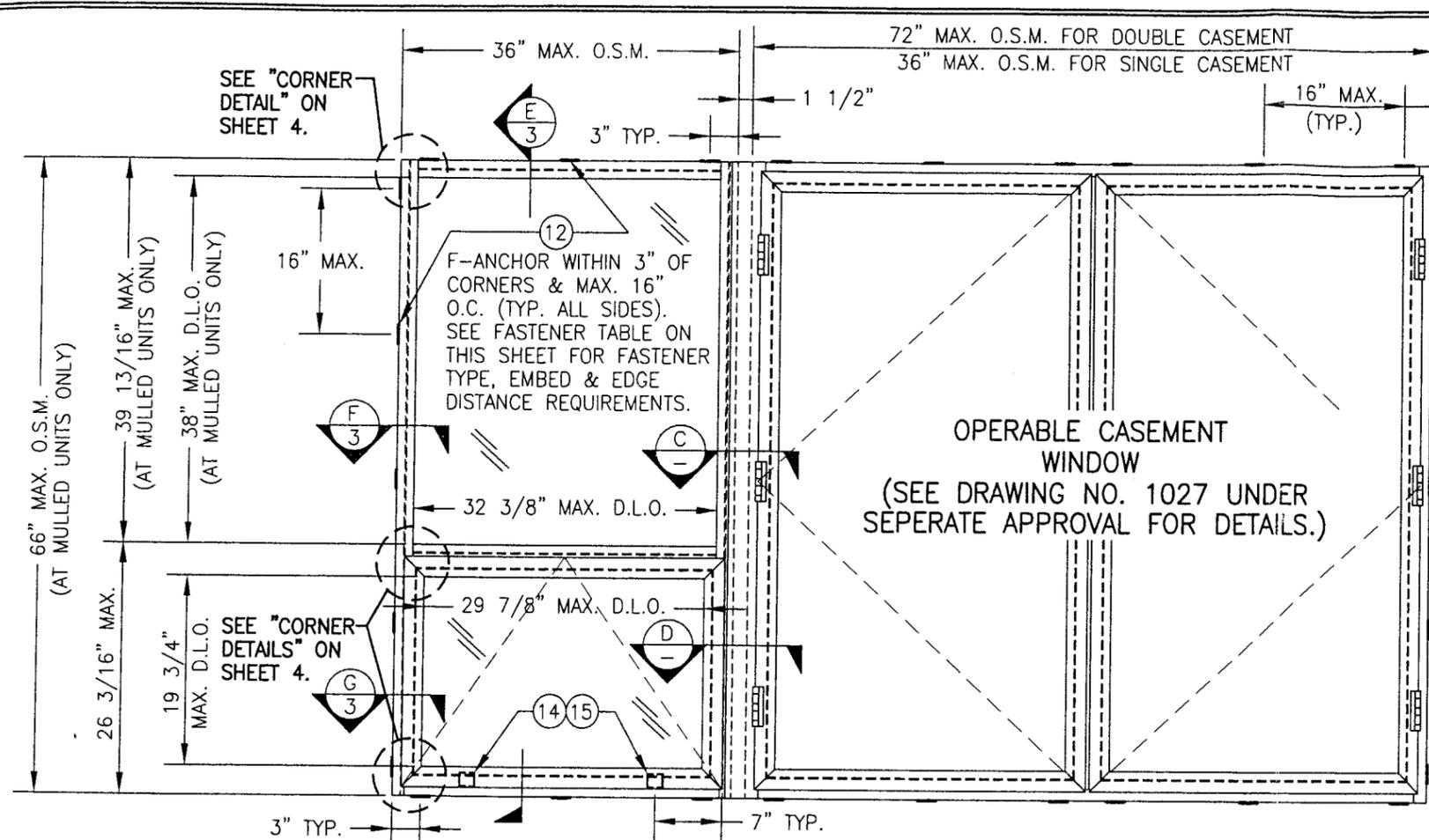
GLAZING DESCRIPTION	ALLOWABLE PRESSURE	
	POSITIVE	NEGATIVE
GLASS "A": LAMINATED 9/16" HEAT STRENGTHENED GLASS WITH 0.09" PVB	80 PSF	95 PSF

**LOAD TABLE NOTE:**

1. ALL MULLERED UNITS ARE LIMITED TO 66" TALL AS TESTED.

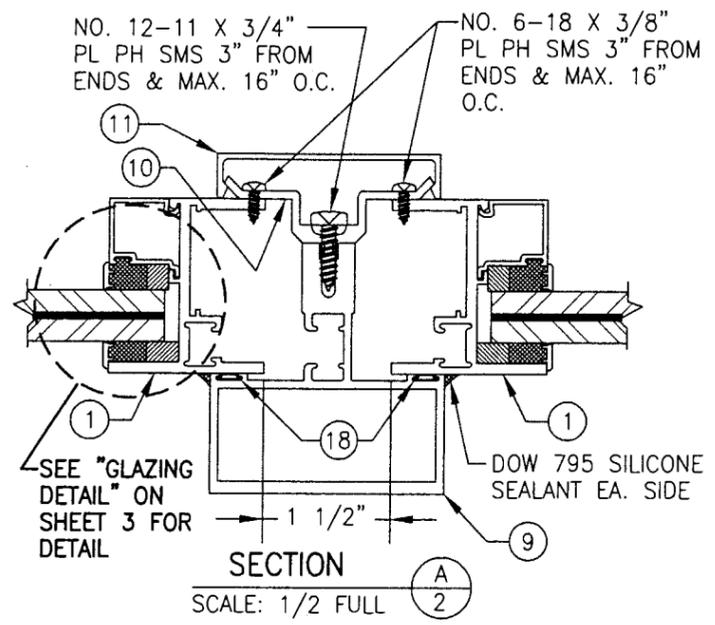
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 03-0618.05  
 Expiration Date 04/20/06  
 By: *Charles Berna*  
 Miami Dade Product Control Division

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 06-0605.06  
 Expiration Date SEPT. 20, 2011  
 By: *Manuel Perez*  
 Miami Dade Product Control Division



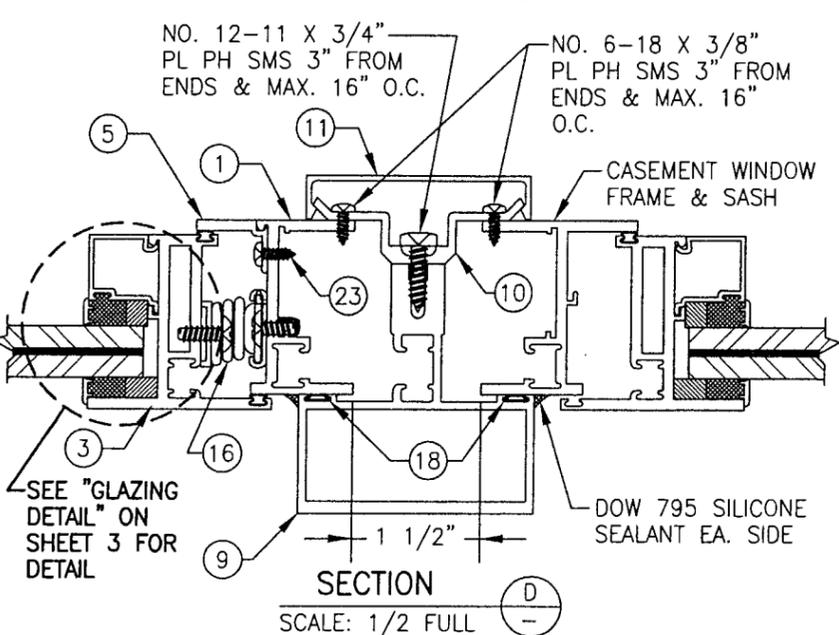
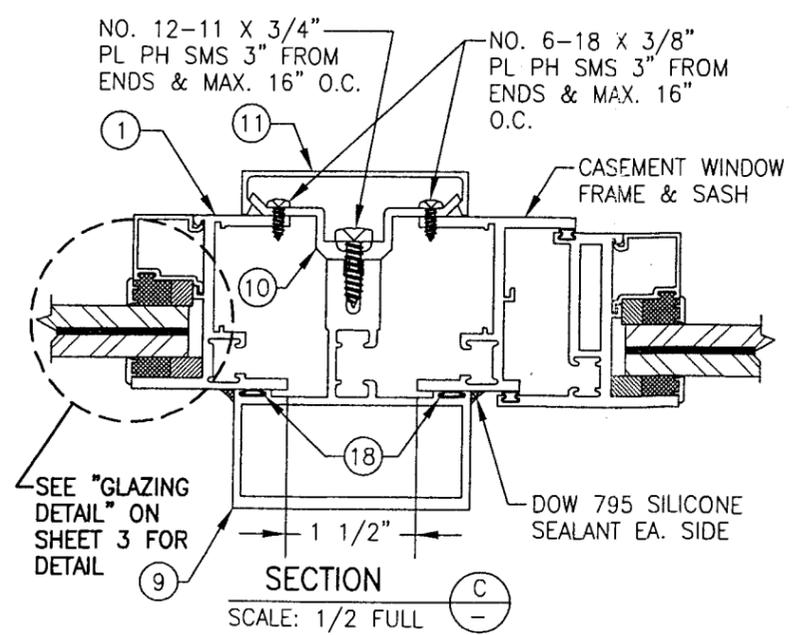
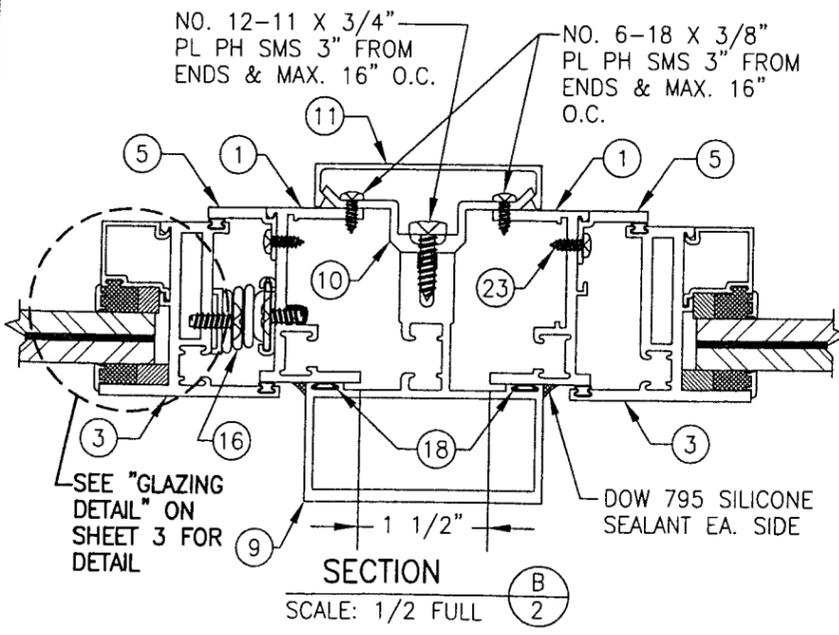
**EXTERIOR ELEVATION**  
**FIXED/PROJECT OUT WINDOW MULLERED TO CASEMENT WINDOW**  
 SCALE: 3/4"=1'-0"  
 MORE THAN 2 WINDOWS MAY BE STACKED HORIZONTALLY

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

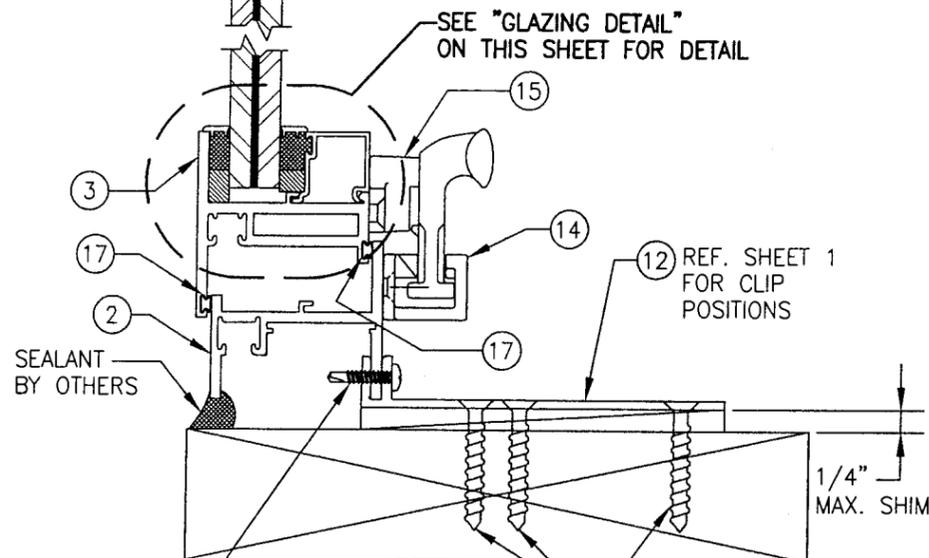
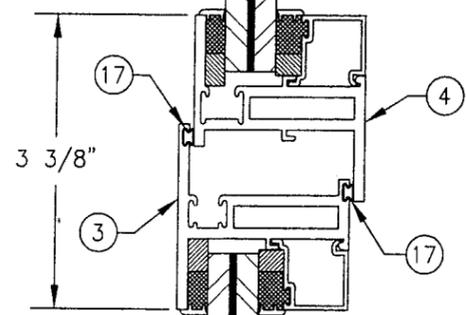
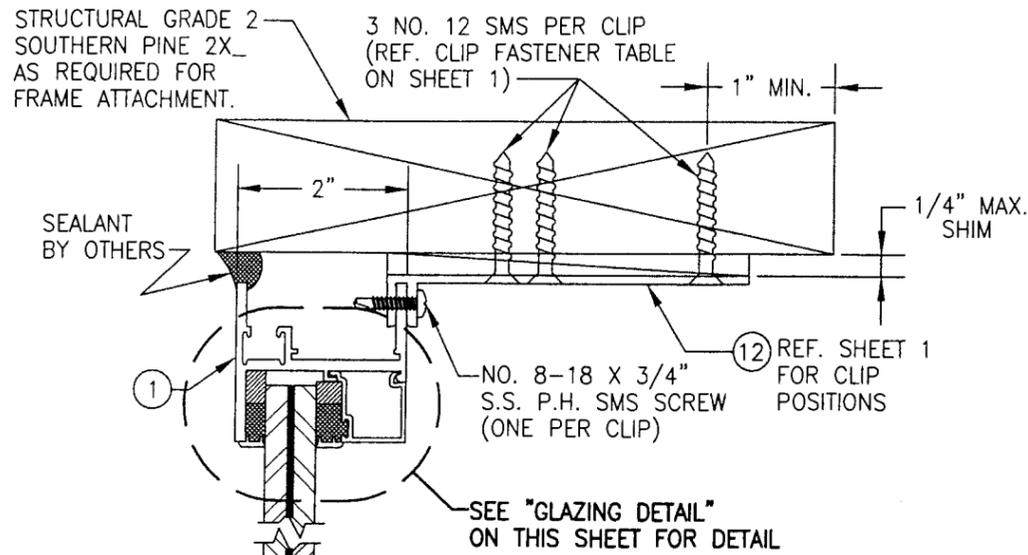


**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0605.06  
 Expiration Date SEPT. 20, 2011  
 By *Manuel...*  
 Miami Dade Product Control  
 Division

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 03-0018.05  
 Expiration Date 09/20/06  
 By *...*  
 Miami Dade Product Control  
 Division



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 11/09/00
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE S-2600 SYSTEM II LARGE 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.E./NO. 44135	DRAWING NO. 1029
	REV. A
	SHEET NO. 2 OF 5



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

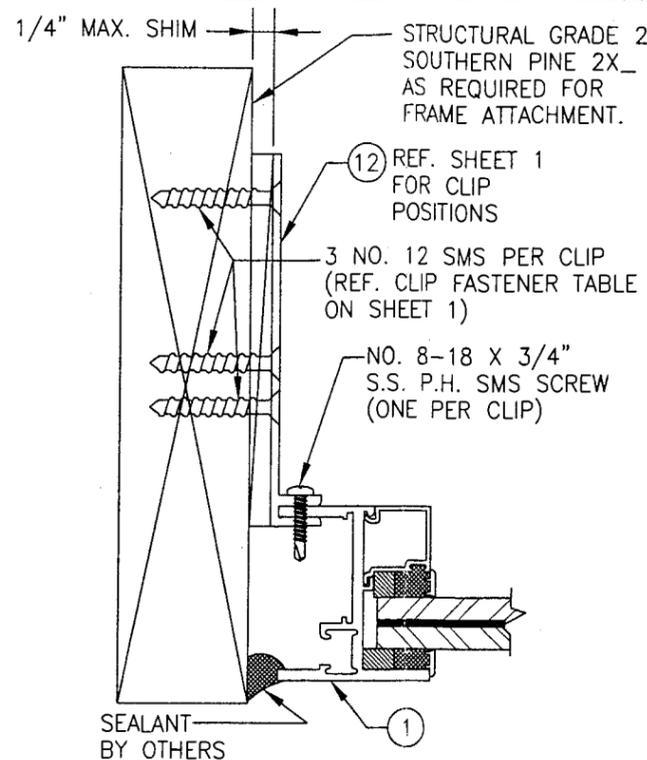
3 NO. 12 SMS PER CLIP (REF. CLIP FASTENER TABLE ON SHEET 1)

**SECTION E**

SCALE: 1/2 FULL (3)

(MOUNT TO WOOD)

SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.

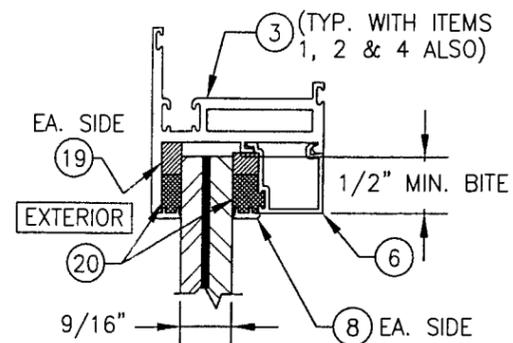


**SECTION F**

SCALE: 1/2 FULL (3)

(MOUNT TO WOOD)

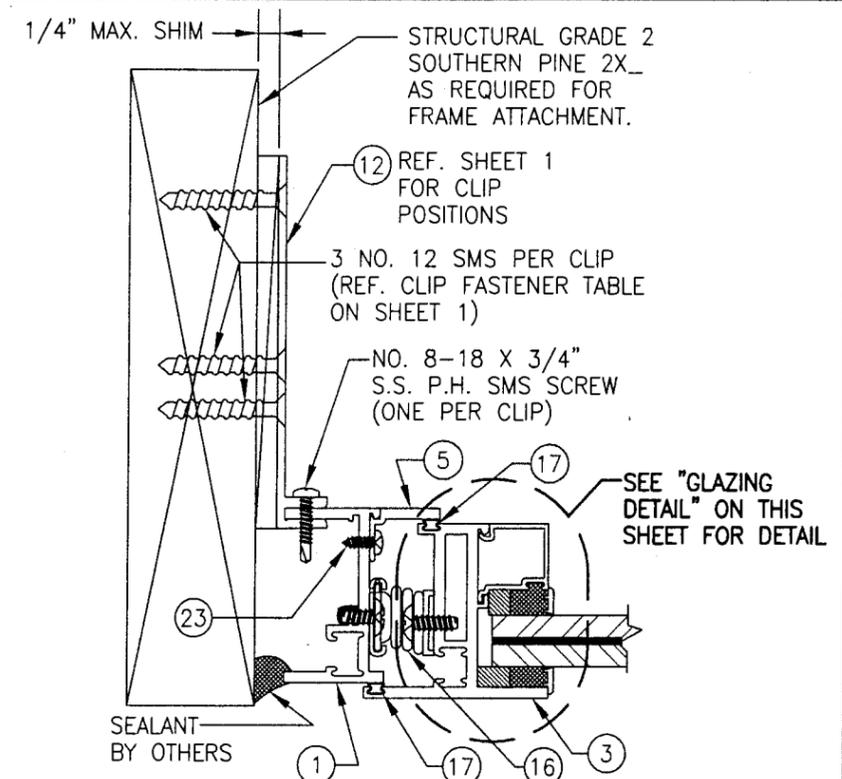
SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.



**GLAZING DETAIL; GLASS "A"**

**LARGE MISSILE IMPACT**

9/16" THK. LAMINATED GLASS BY SAFLEX WITH 1/4" THK. HEAT STRENGTHENED PANES EA. SIDE & 0.09" PVB INNER LAYER



**SECTION G**

SCALE: 1/2 FULL (3)

(MOUNT TO WOOD)

SEE DETAILS ON SHEET 4 FOR MOUNTING TO OTHER SUBSTRATES.

PRODUCT RENEWED as complying with the Florida Building Code

Acceptance No 06-0605-06

Expiration Date SEPT. 20, 2011

By *Manuel Perez*

Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code

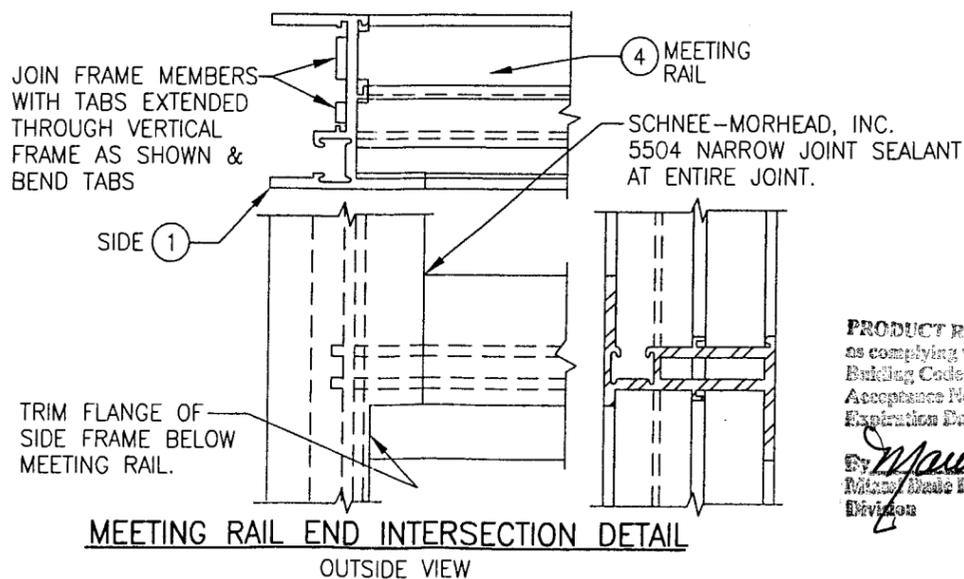
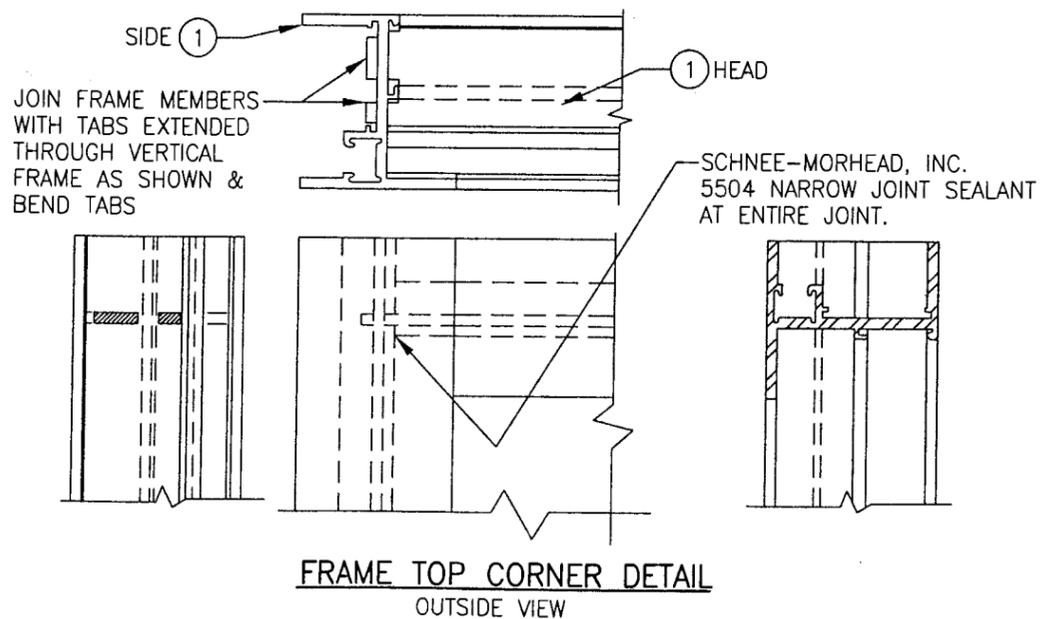
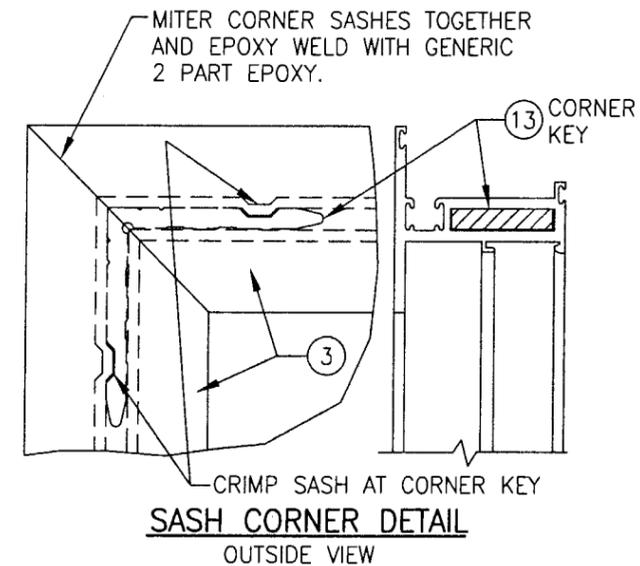
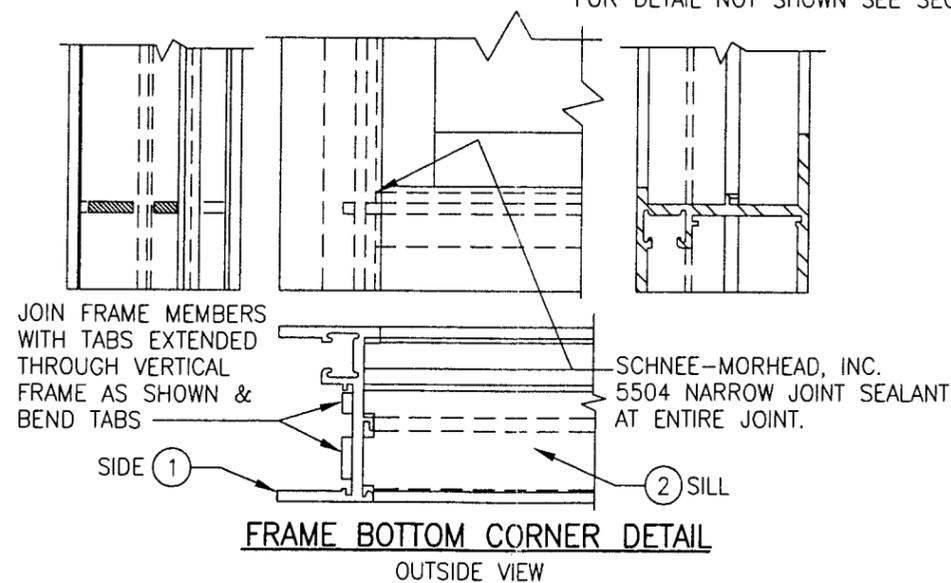
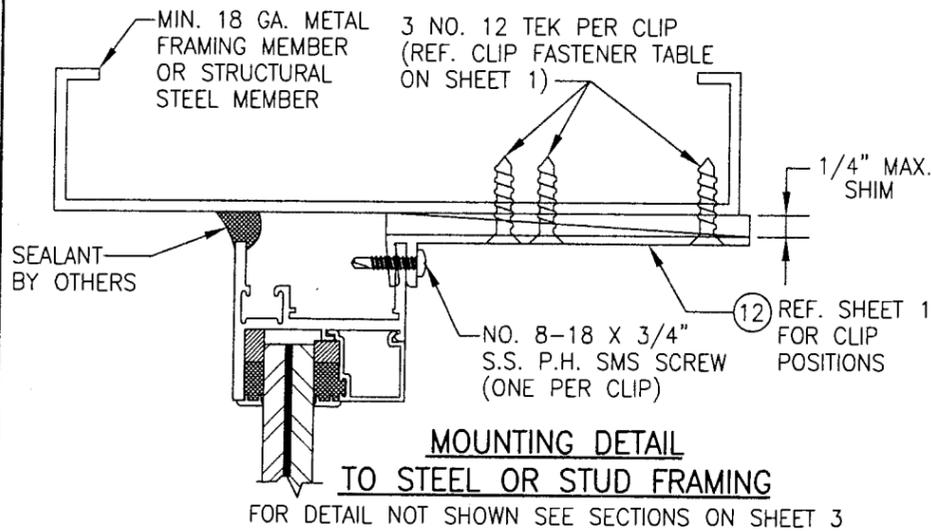
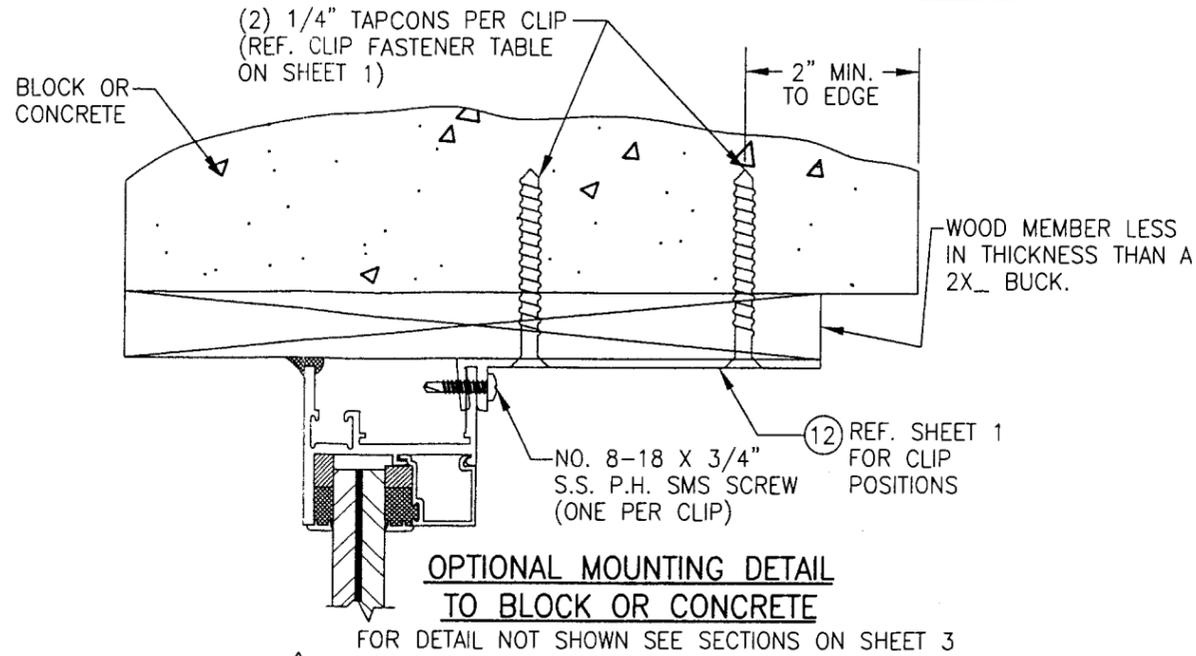
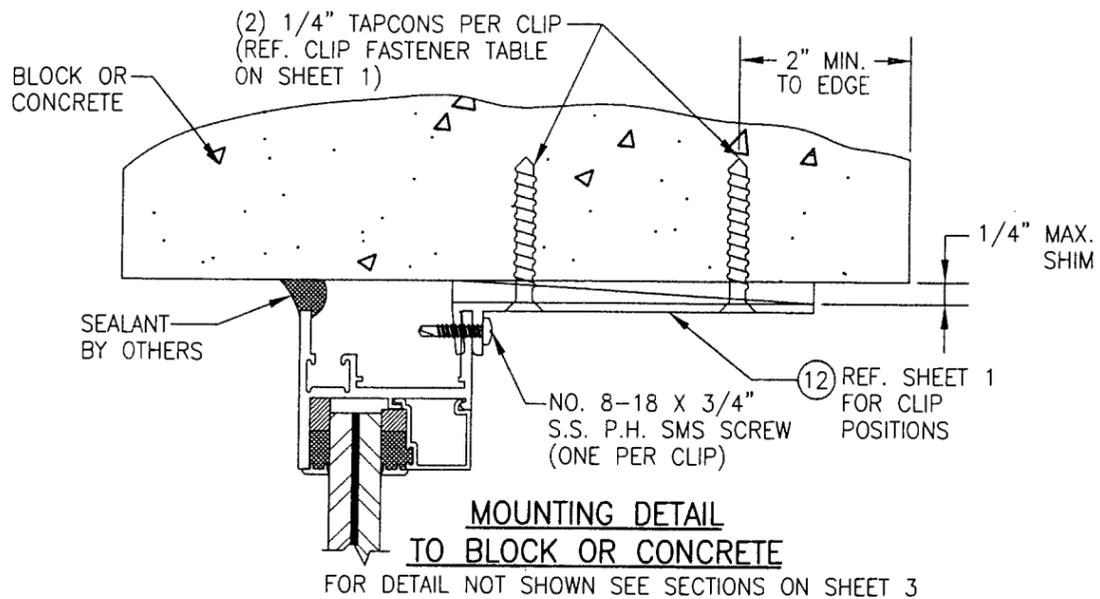
Acceptance No 03-0618-05

Expiration Date 03/20/06

By *Charles Germa*

Miami Dade Product Control Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 11/09/00	
DATE	BY	REVISION DESCRIPTION	NO.
08/25/03	KPS	DELETED SMALL MISSILE	A1
		IMPACT DETAILS	
DRAWING TITLE			
S-2600 SYSTEM II LARGE MISSILE IMPACT FIXED/PROJECT OUT WINDOW			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		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.		REV.	
1029		A	
SHEET NO.			
3 OF 5			



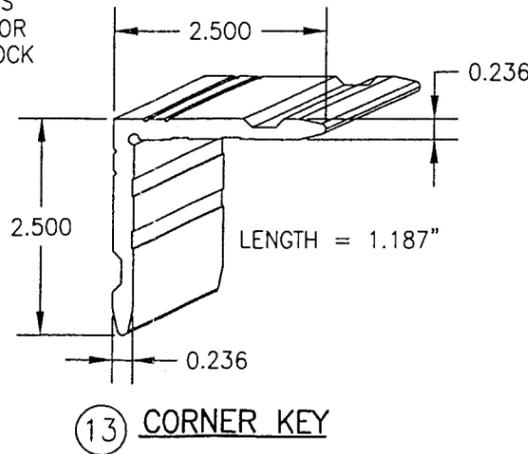
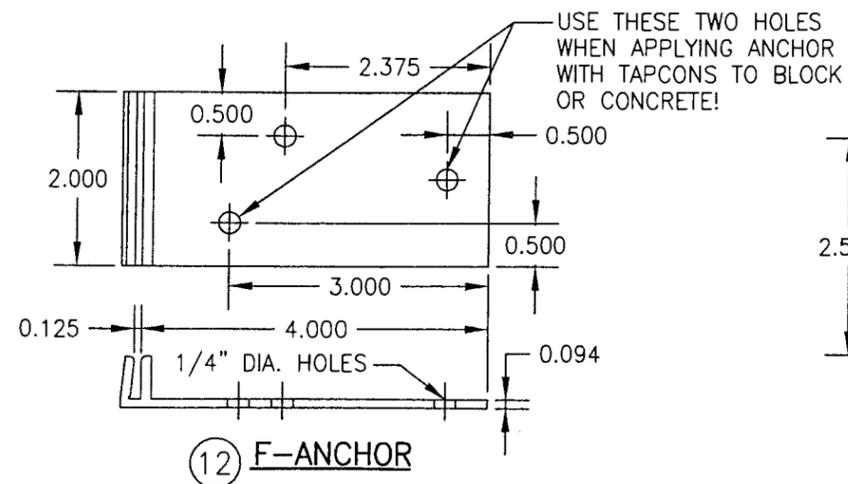
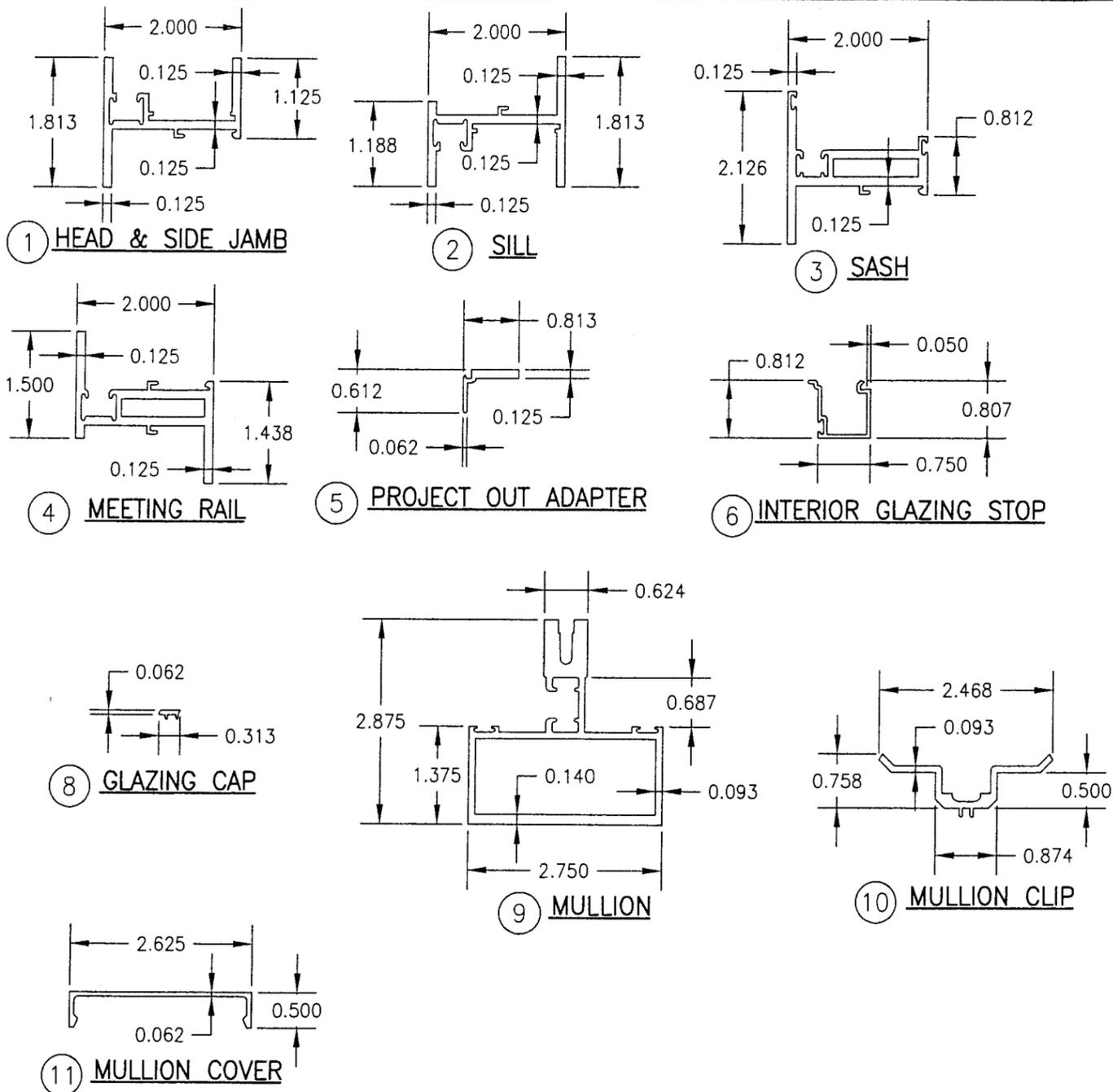
PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 06-0605.06  
Expiration Date SEPT. 20, 2011

By *Manuel...*  
Miami Dade Product Control  
Division

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 03-0618.05  
Expiration Date 09/20/06

By *Cherem...*  
Miami Dade Product Control  
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/09/00
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE S-2600 SYSTEM II LARGE MISSILE IMPACT FIXED/PROJECT OUT 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 25 2003 WARREN W./SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1029	REV. A
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	ES58	INT. 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 RENEWED as complying with the Florida Building Code  
 Acceptance No. 06-0605.06  
 Expiration Date SEPT 20, 2011

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

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 03-01018.05  
 Expiration Date 02/20/06

By *Cleodore DeMarco*  
 Miami Dade Product Control Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 11/09/00	
NO.	REVISION DESCRIPTION	DATE	BY
A1	DELETED SMALL MISSILE IMPACT PARTS & DETAILS	08/25/03	KPS
DRAWING TITLE S-2600 SYSTEM II LARGE MISSILE IMPACT FIXED/PROJECT OUT 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	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. 1029	REV. A	SHEET NO. 5 OF 5	