



**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**

www.buldingcodeonline.com

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "S-2600" System II Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No.1028, titled "S-2600 System II Large Missile Impact Fixed Window", sheets 1 through 4 of 4, dated 11/09/00 with revision B1 dated 09/11/07, 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 # 03-0618.03 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. 06-0605.04
Expiration Date: September 27, 2011
Approval Date: November 08, 2007
Page 1**

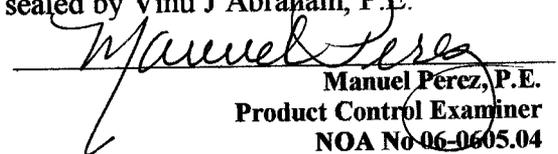
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1028**, Sheets 1 through 4 of 4, titled "S-2600 System II Large Missile Impact Fixed Window", dated 11/09/00 with revision B1 dated 09/11/07, 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# 03-0618.03)
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 ~~06-0605.04~~

Expiration Date: September 27, 2011
Approval Date: November 08, 2007

EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by W.W. Schaefer Engineering & Consulting, P.A., revised on 9/11/07, signed and sealed by Warren W. Schaefer, P.E.
Complies with ASTM E1300-98
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)

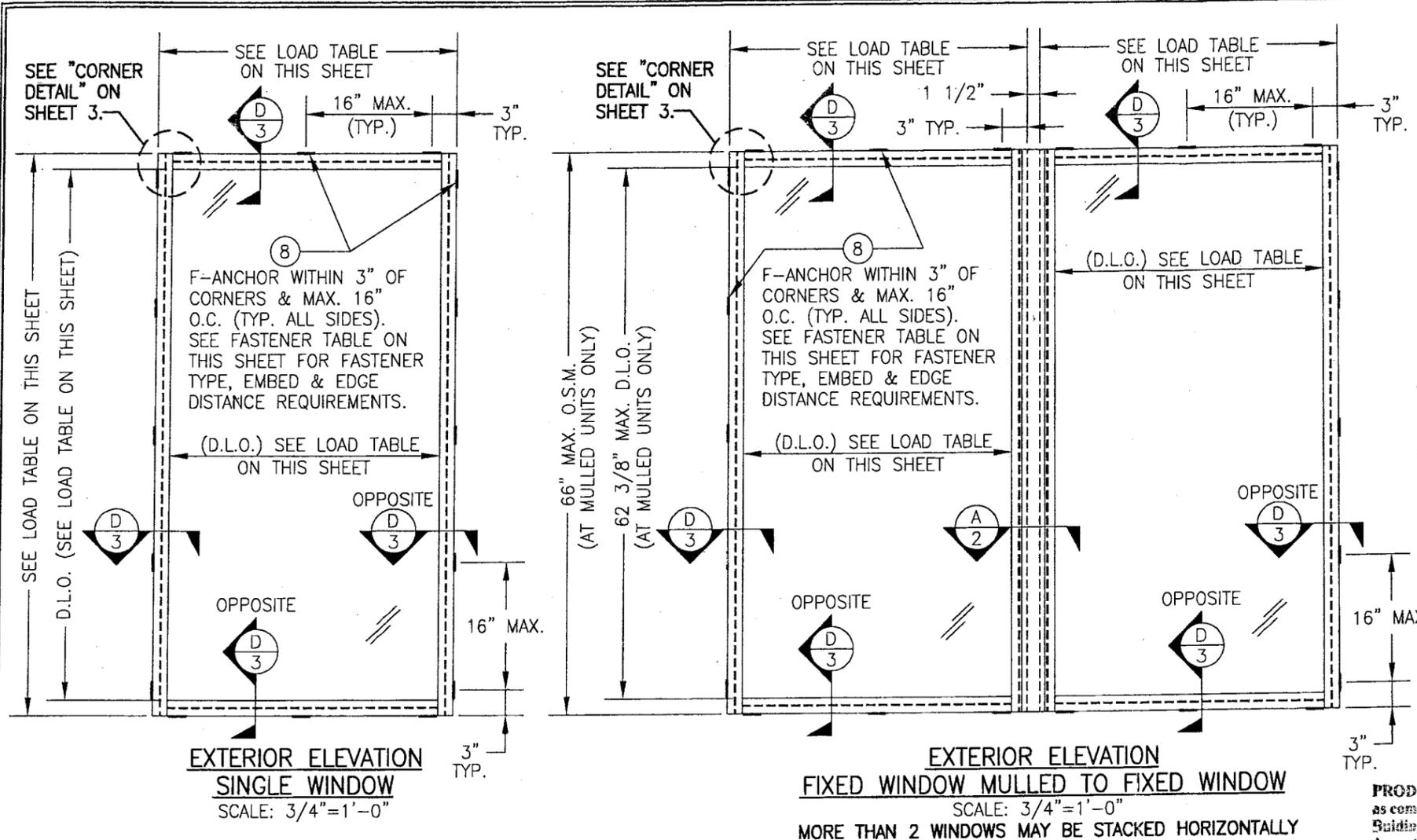
F. STATEMENTS

1. Statement letter of conformance, dated September 11, 2007, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated September 11, 2007, signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

1. Notice of Acceptance No. **03-0618.03**, issued to EFCO Corporation for their Series "S-2600" System II Aluminum Fixed Window, approved on 10/30/03 and expiring on 09/27/06.


Manuel Perez, P.E.
Product Control Examiner
NOA No 06-0605.04
Expiration Date: September 27, 2011
Approval Date: November 08, 2007



- 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(S).
 2. BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL 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 THE 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
 5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
 6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
 7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
 8. ALL FRAME ANCHORS SECURING WINDOW/DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
 9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.
 10. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE & GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ SHALL BE USED.
 11. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW DESIGN.

ALLOWABLE DESIGN LOAD FOR MULLED UNITS	
LARGE MISSILE GLASS "A"	
POSITIVE	NEGATIVE
80 PSF	95 PSF
ALL MULLED UNITS ARE LIMITED TO MAX. 66" HEIGHT.	

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. **06-0605.04**
 Expiration Date **SEPT. 27, 2011**
 By *Mauro Perez*
 Miami/Dade Product Control Division

FRAME WIDTH	FRAME HEIGHT	MAXIMUM WINDOW D.L.O.		MAXIMUM ALLOWABLE PRESSURE (PSF)	
		HORIZONTAL	VERTICAL	POSITIVE	NEGATIVE
24"	99"	20 3/8"	95 3/8"	80.0 PSF	95.0 PSF
27"	88"	23 3/8"	84 3/8"	80.0 PSF	95.0 PSF
30"	79"	26 3/8"	75 3/8"	80.0 PSF	95.0 PSF
33"	72"	29 3/8"	68 3/8"	80.0 PSF	95.0 PSF
36"	66"	32 3/8"	62 3/8"	80.0 PSF	95.0 PSF
40"	59"	36 3/8"	55 3/8"	80.0 PSF	85.5 PSF
44"	54"	40 3/8"	50 3/8"	73.6 PSF	77.7 PSF
48"	49"	44 3/8"	45 3/8"	67.5 PSF	71.2 PSF

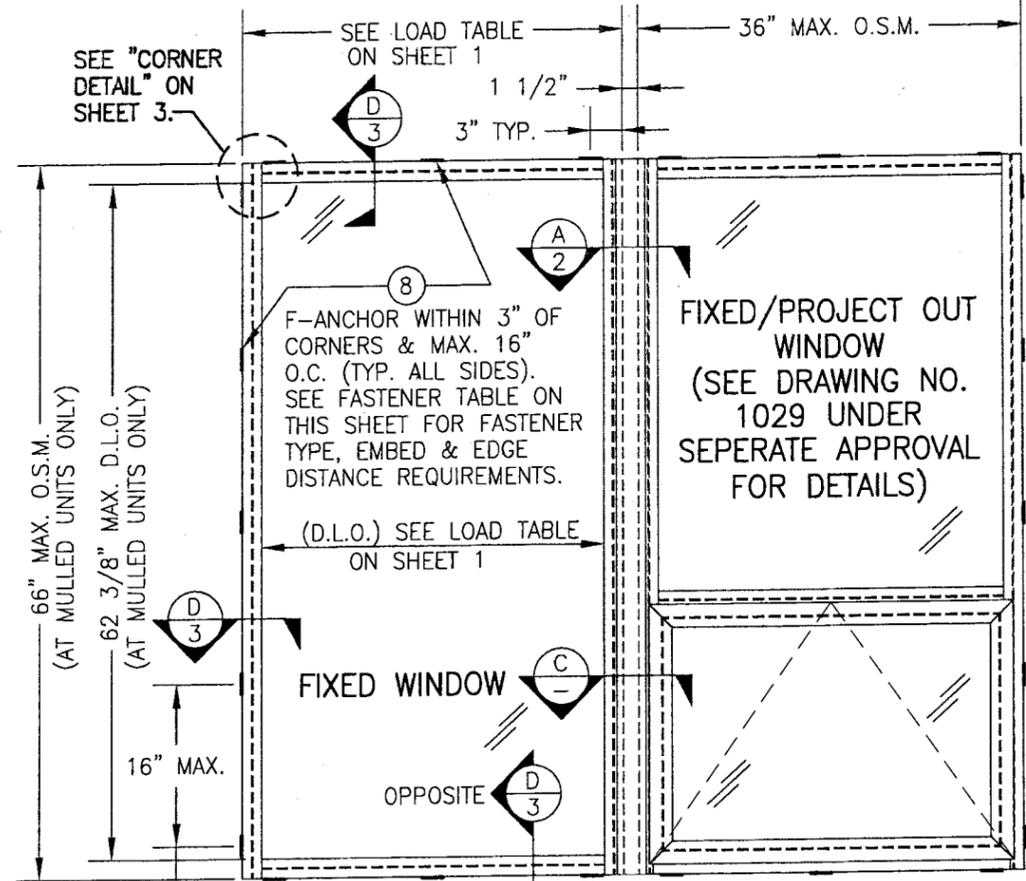
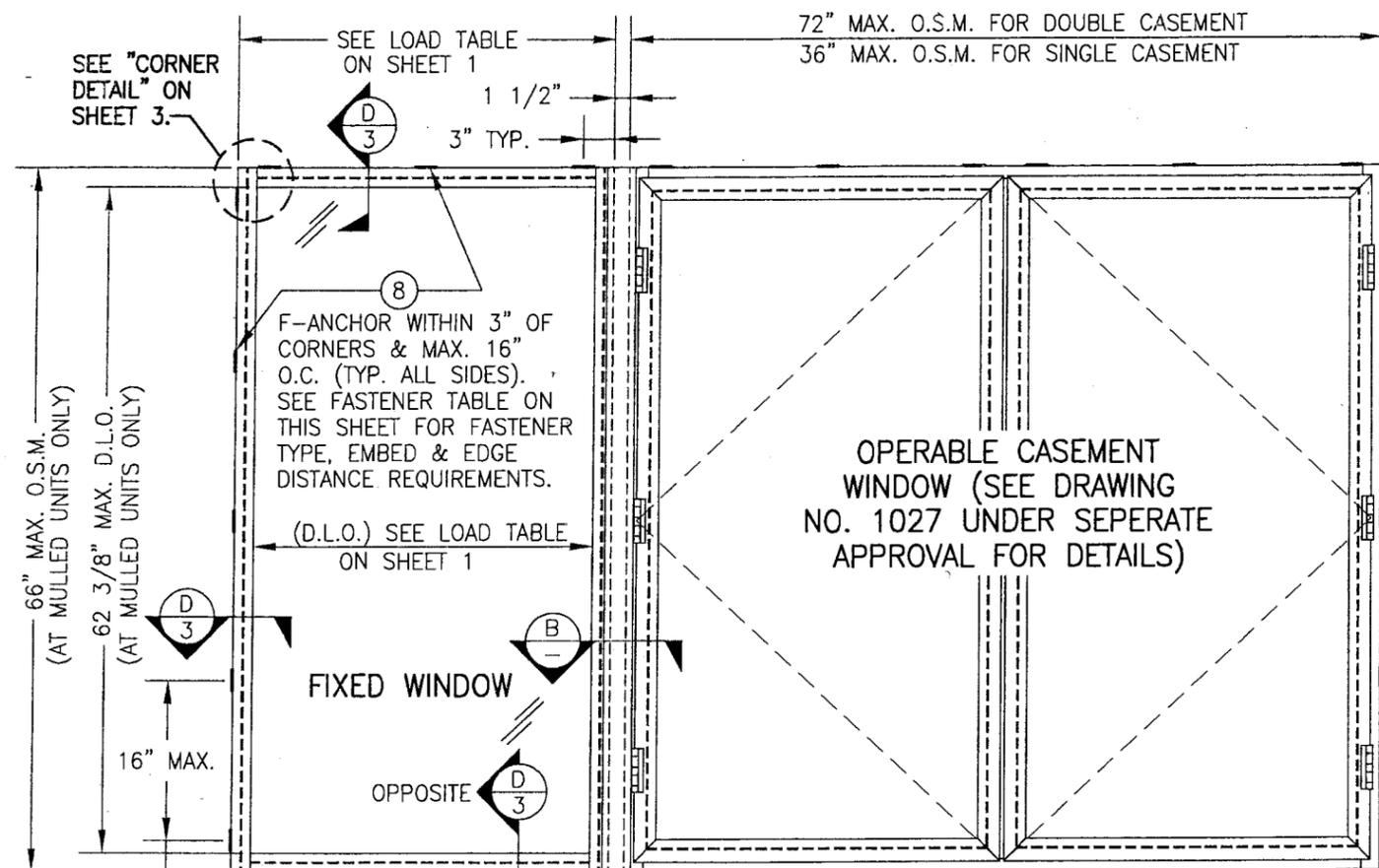
GLASS "A" = 9/16" THK. LAMINATED GLASS (1/4" HT. STR./0.09" PVB/1/4" HT. STR.) BY SAFLEX

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.
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	3	1 1/8"	1"
MIN. 18 GA. 33 KSI METAL STUD	NO. 12 GR. 5 SELF TAP/DRILLING SCREW	3	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILLING SCREW	3	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	2	1 1/4"	2"

(1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

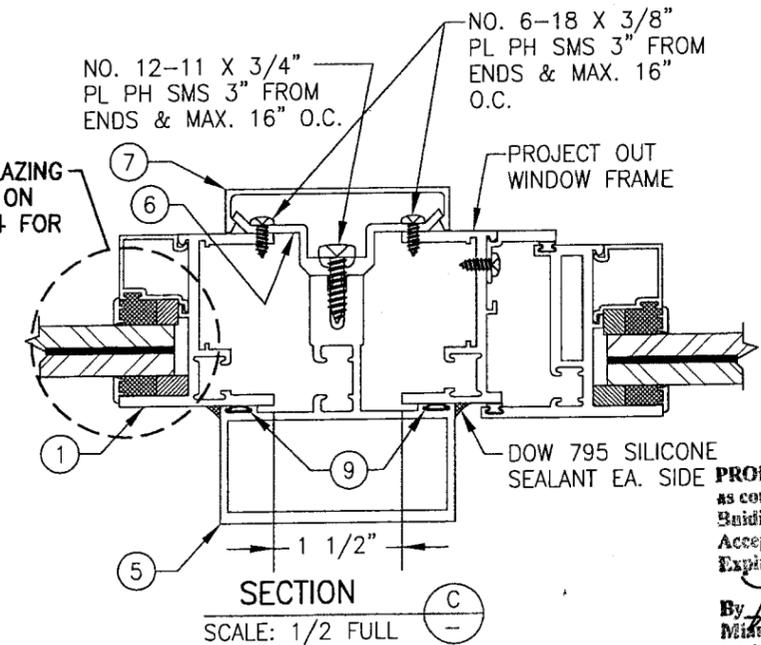
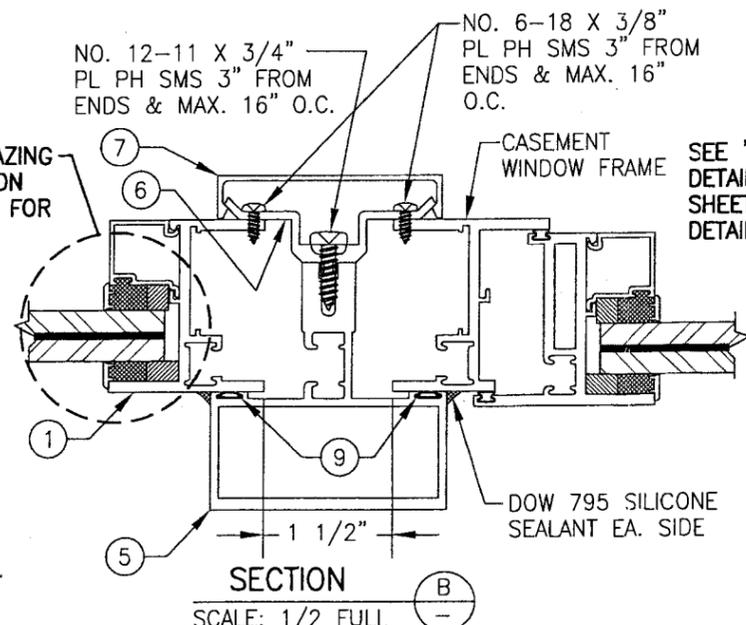
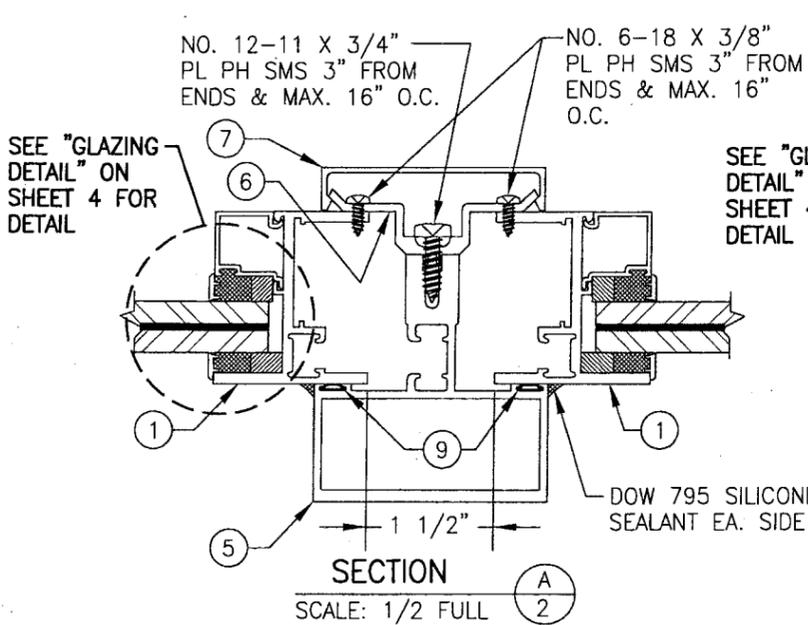
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.		
PLOT: 1-16	DATE: 11/09/00		
NO.	REVISION DESCRIPTION	DATE	BY
A1	DELETED SMALL MISSILE IMPACT DETAILS	08/25/03	KPS
B1	UPDATE TO 2004 F.B.C. & CHANGE INTERLOCK STILES STILE REINFORCEMENTS	09/11/07	W.R.M.
DRAWING TITLE S-2600 SYSTEM II LARGE MISSILE IMPACT FIXED WINDOW			
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 SEP 11 2007 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1028	REV. B	SHEET NO. 1 OF 4	



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

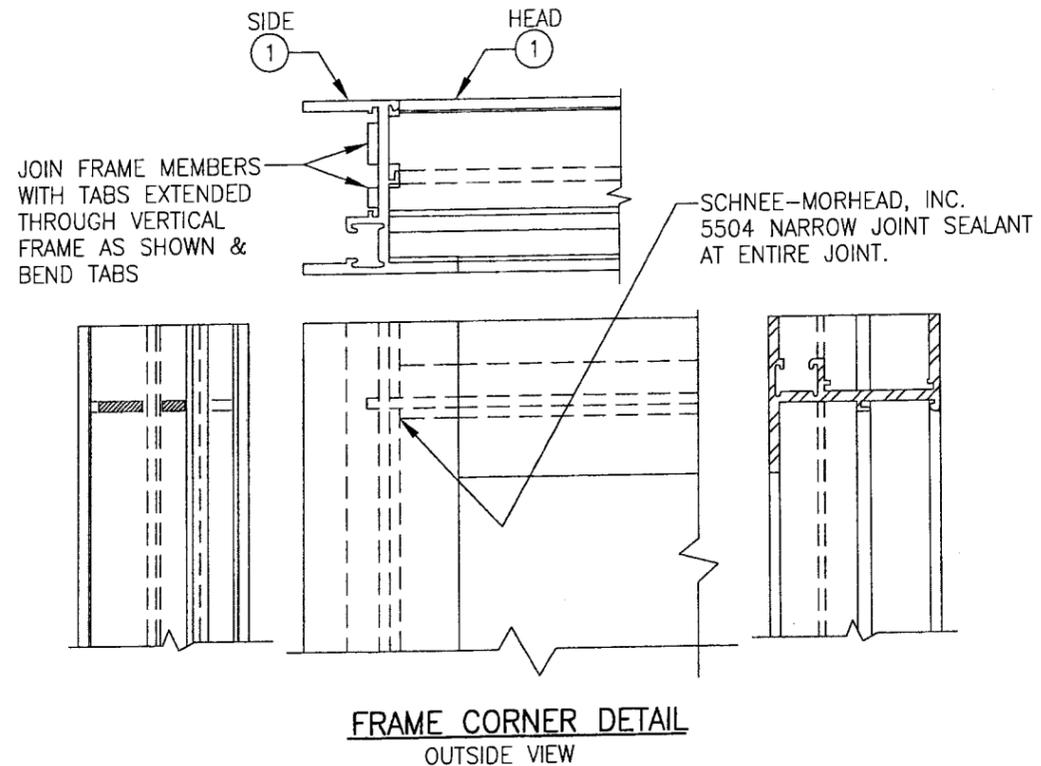
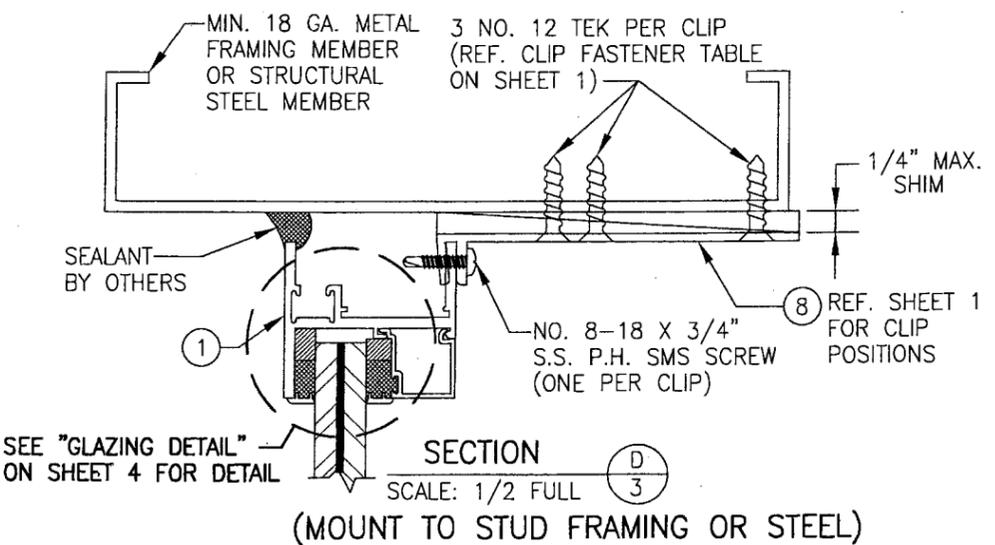
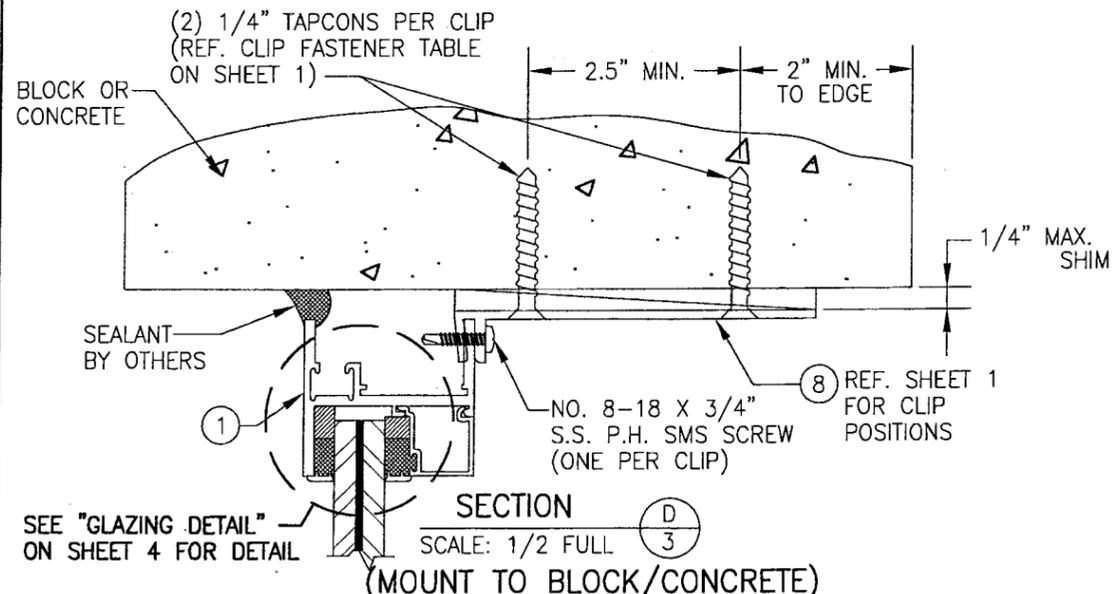
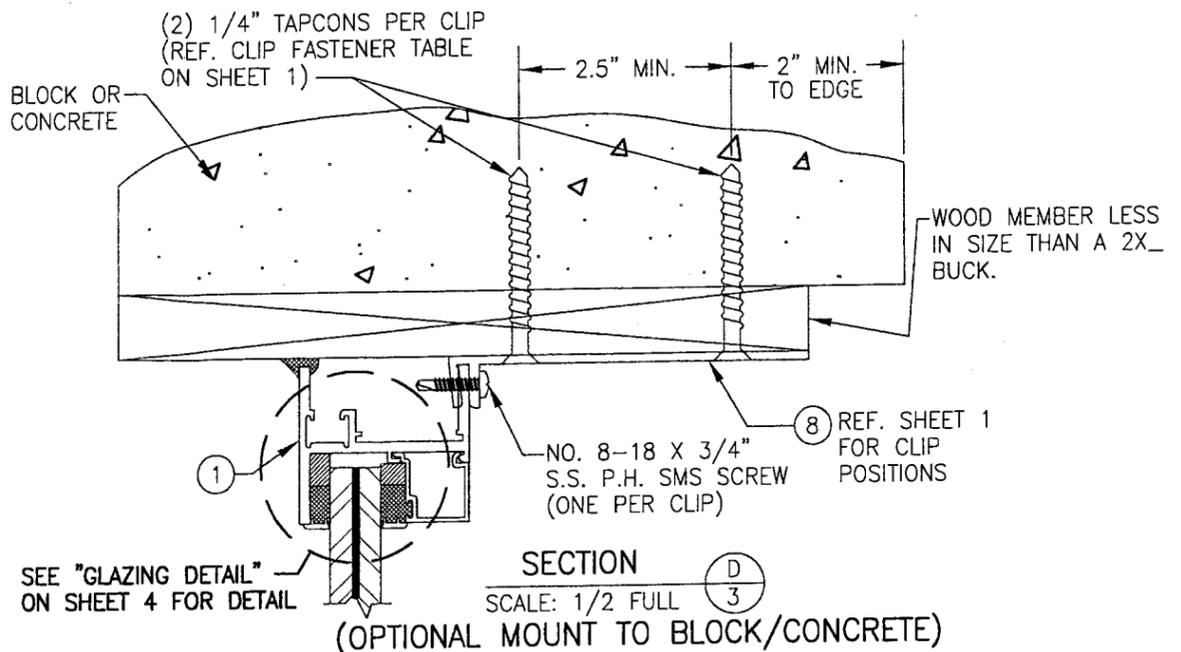
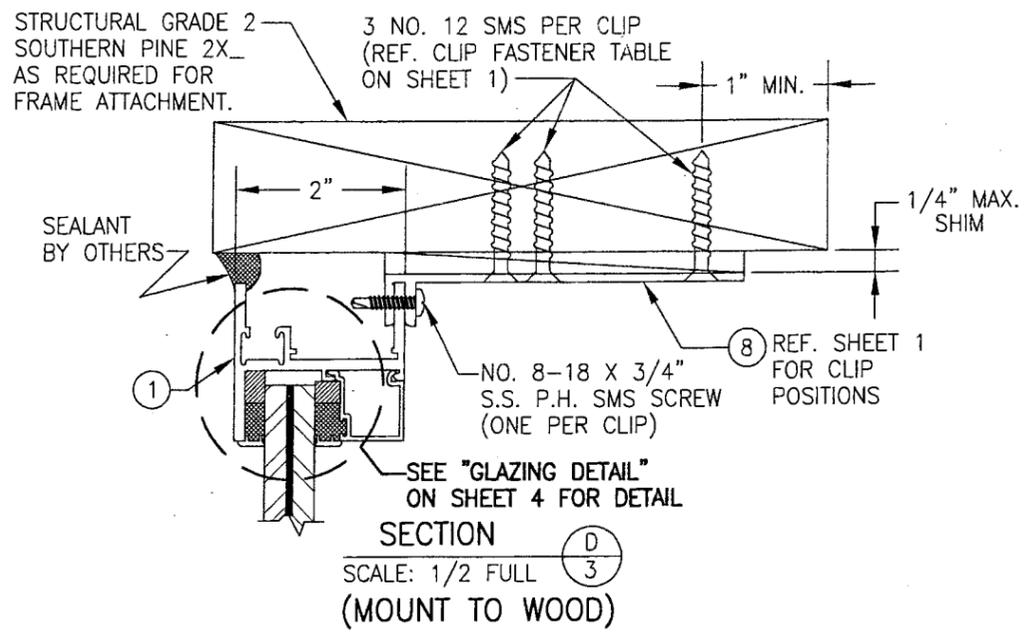
EXTERIOR ELEVATION
FIXED WINDOW MULLED TO FIXED/PROJECT OUT WINDOW
 SCALE: 3/4"=1'-0"
 MORE THAN 2 WINDOWS MAY BE STACKED HORIZONTALLY

O.S.M. = OUTSIDE FRAME MEASUREMENT



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 06-0605.04
 Expiration Date SEPT. 21, 2011
 By Warren M. Schaefer
 Miami Dade Product Control
 Division

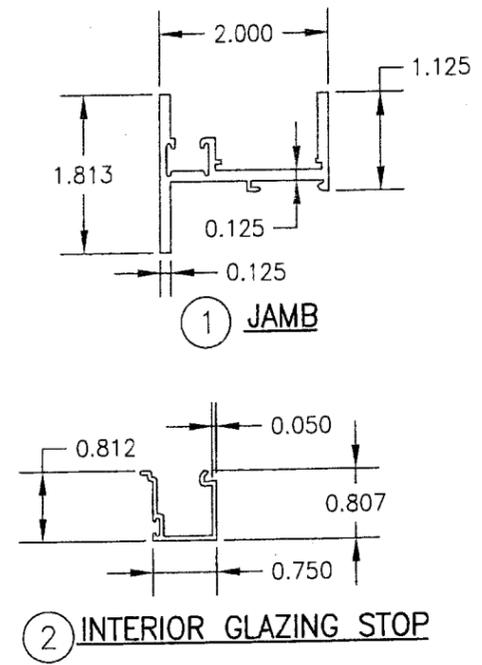
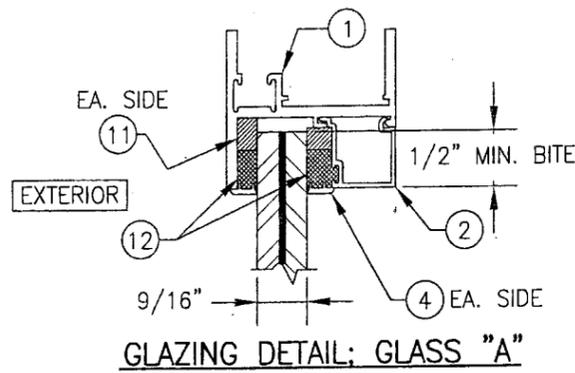
DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 11/09/00	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE S-2600 SYSTEM II LARGE MISSILE IMPACT FIXED WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER EFCO CORPORATION	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH 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 SEP 11 2007			
DRAWING NO. 1028		REV. B	
SHEET NO. 2 OF 4			



PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 06-0605-04 Expiration Date SEPT. 27, 2011

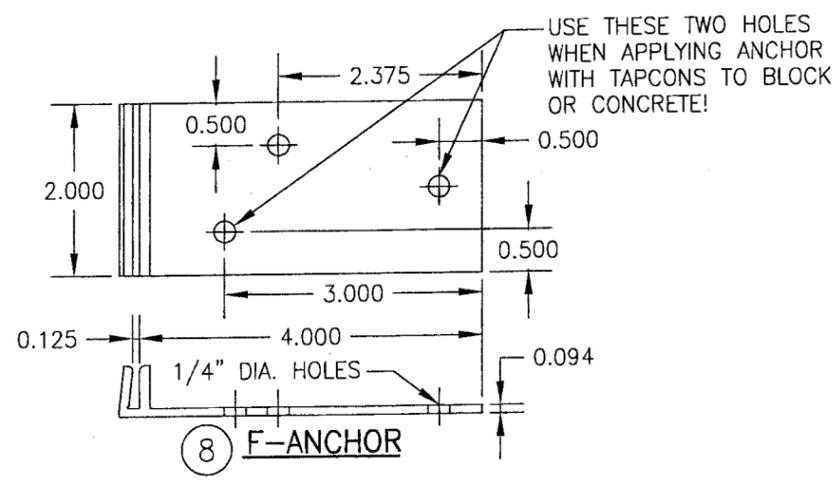
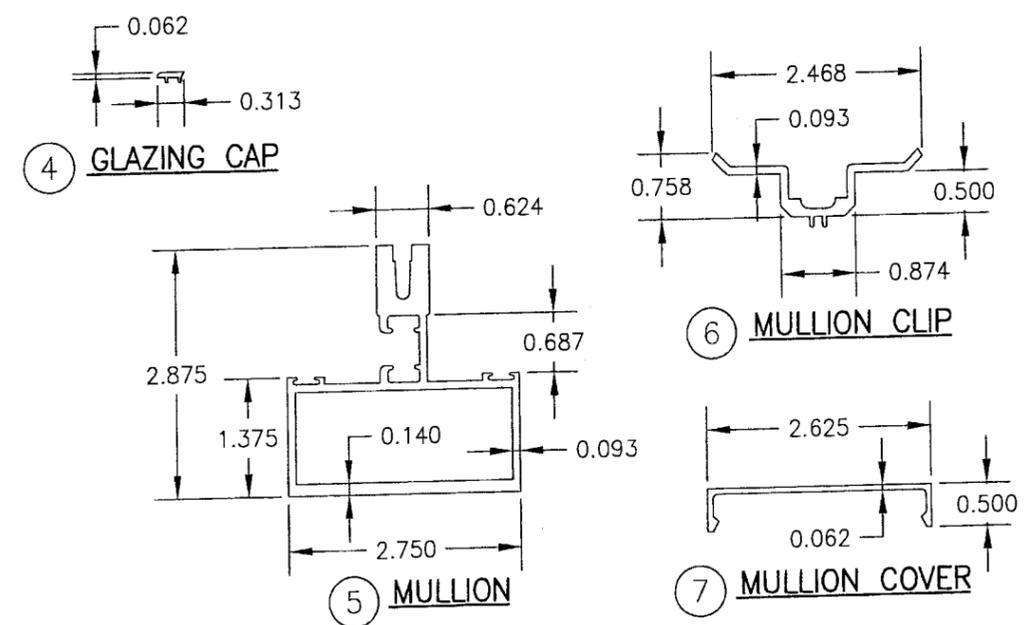
By *Manuel Perez* Miami Dade Product Control Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/09/00	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: S-2600 SYSTEM II LARGE 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		1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609	
PHONE: 561-775-4902 FAX: 561-775-4903		800-221-4169	
CERTIFICATION	SEP 11 2007	WARREN W. SCHAEFER, P.E.	
DRAWING NO. 1028	REV. B		
SHEET NO. 3 OF 4			



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	ES48	JAMB/FRAME	EFCO; 6063-T6 ALUMINUM
2	ES58	INT. 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

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



DRAWN BY: W.W.S. CHECKED BY: W.W.S. PLOT: 1=2 DATE: 11/09/00	DATE: 08/25/03 BY: KPS REVISION DESCRIPTION: DELETED SMALL MISSILE IMPACT PARTS & DETAILS NO. A1	DRAWING TITLE: S-2600 SYSTEM II LARGE 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	CERTIFICATION: SEP 11 2007 WARREN W. SCHAEFER, P.E. P.E. NO. 44155	PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 06-0605-D4 Expiration Date: SEPT. 27, 2011 By: <i>Manuel Perez</i> Miami Dade Product Control Division
DRAWING NO. 1028 SHEET NO. 4 OF 4	REV. B	