



**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  
P.O. Box 609  
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 High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: Series "810-I" Aluminum Project Out Window**

**APPROVAL DOCUMENT:** Drawing No. 1082, titled "Series 810-I Small & Large Missile Impact Fixed/Project Out Window", sheets 1 through 7 of 7, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 2/27/02, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and 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 consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No 02-0410.03  
Expiration Date: November 7, 2007  
Approval Date: November 7, 2002  
Page 1**

**EFCO Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1082**, titled "Series 810-I Small & Large Missile Impact Fixed/Project Out Window", Sheets 1 through 7 of 7, dated 03/05/02, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

**B. TESTS**

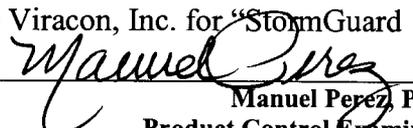
1. Test reports on 1) Uniform Static Air Pressure Test, Loading per SFBCPA 202-94  
2) Large Missile Impact Test per SFBC, PA 201-94  
3) Cyclic Wind Pressure Loading per SFBC, PA 203-94  
along with marked-up drawings and installation diagram of an aluminum project out window (spec.#7), prepared by Hurricane Test Laboratory, Test Report No. **0046-1116-01**, dated 11/26/01, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94  
2) Uniform Static Air Pressure Test, Loading per SFBC,PA 202-94  
3) Water Resistance Test, per SFBC, PA 202-94  
4) Large Missile Impact Test per SFBC, PA 201-94  
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94  
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94  
along with marked-up drawings and installation diagram of an aluminum project out window (spec. #1,2,3,4,5,7) prepared by Hurricane Test Laboratory, Test Report No. **0046-0101-02**, dated 12/26/01, signed and sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchor Calculations and structural analysis, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 3/11/02, signed and sealed by Warren Schaefer, P.E.

**D. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **98-0728.05** issued to Solutia, Inc. for "Saflex IIIIG PVB Polyvinyl butryal interlayer" dated 8/27/98, expiring on 5/21/01.
2. Notice of Acceptance No. **98-0608.03** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 1/14/99, expiring on 1/14/02.
3. Notice of Acceptance No. **00-0524.06** issued to Nebula Glass International, Inc. for "Glasslam Safety-Plus Laminated Glass" dated 9/21/00, expiring on 9/9/03.
4. Notice of Acceptance No. **99-1227.02** issued to Solutia, Inc. for "Saflex HP" dated 4/14/00, expiring on 4/14/03.
5. Notice of Acceptance No. **00-0509.06** issued to Viracon, Inc. for "StormGuard (laminated)" dated 1/25/01, expiring on 4/14/03.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 02-0410.03

Expiration Date: November 7, 2007

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(For File ONLY. Not part of NOA)

6. Test report No.**ATI-01-42376.01** , prepared by Architectural Testing, Inc., dated 08/29/02, issued to EFCO Corporation, for their Insul-Bar Thermal Barrier plastic per ASTM E-D635-98 “Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position” and ASTM D2843-99 “Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics”, signed and sealed by Allen N. Reeves, P.E.
7. Test report No.**SGS-170336** , prepared by SGS U.S. Testing Company Inc., dated 08/21/02, issued to Architectural Testing Inc. for EFCO Corporation’s Insul-Bar Thermal Barrier plastic per ASTM D2843-99 “Standard Test Method for the Density of Smoke from the Burning Decomposition of Plastics”, signed and sealed by Piyush Shah.
8. Test report No.**ATI-01-42376.02** , prepared by Architectural Testing, Inc., dated 10/01/02, issued to EFCO Corporation, for their Insul-Bar Thermal Barrier plastic per ASTM E-D1929-96 “Standard Test Method for Determining Ignition Temperature of Plastics”, signed and sealed by Allen N. Reeves, P.E.

**E. STATEMENTS**

1. Statement letter of conformance, dated 3/12/02, signed and sealed by Warren Schaefer, P.E.
2. Statement letter of no financial interest, dated 3/13/02, signed and sealed by Warren Schaefer, P.E.
3. Laboratory compliance letter for Test Report no. HTL01085 issued by Hurricane Test Laboratory, dated 3/15/02, signed and sealed by Vinu J. Abraham, P.E.

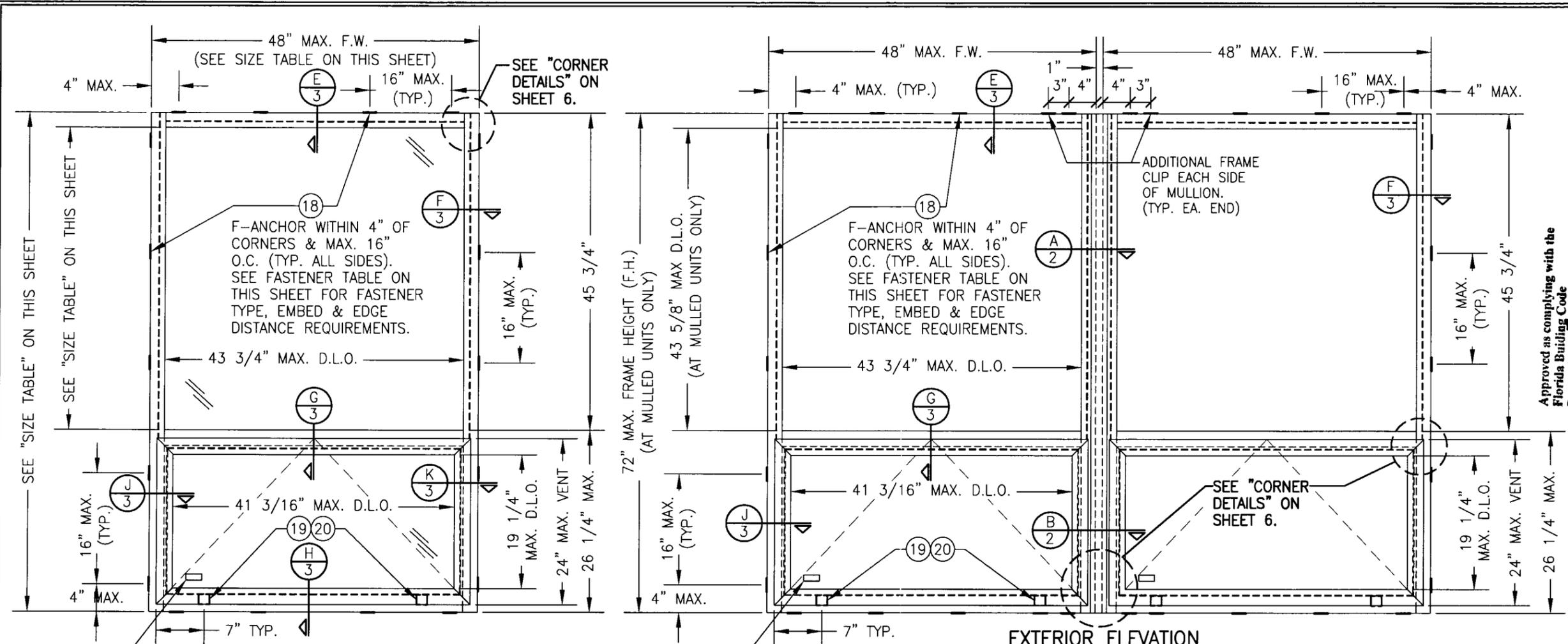
**F. OTHER**

1. Letter from San Martin Associates, Inc.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No 02-0410.03

Expiration Date: November 7, 2007

Approval Date: November 7, 2002



Approved as complying with the Florida Building Code  
 Date NOV. 1, 2002  
 NOA# 02-0410.03  
 Miami-Dade Product Control  
 Division  
 By *[Signature]*

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

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

ONE OF THE FOLLOWING LABELS SHALL BE PLACED AT THE INNER BOTTOM RIGHT CORNER OF THE WINDOW TO DISTINGUISH BETWEEN SMALL & LARGE MISSILE GLASS:

EFCO CORPORATION, MONETT MISSOURI  
 MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED  
 SMALL MISSILE IMPACT UNIT

EFCO CORPORATION, MONETT MISSOURI  
 MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED  
 LARGE MISSILE IMPACT UNIT

**GENERAL NOTES**

- THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOAD" TABLE.
- BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
- THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR SMALL & LARGE MISSILE IMPACT WINDOWS.
- THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE (FBC)
- ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- THERE SHALL BE NO LIMIT TO THE NUMBER OF HORIZONTAL PANELS USED FOR ANY JOB PROVIDING ALL RESTRICTIONS ARE MET PER THE ELEVATIONS.
- ALL SUBSTRATE SHALL HAVE THE FOLLOWING MINIMUM REQUIREMENTS.
  - ALL CONCRETE SUBSTRATE SHALL BE MIN. 3000 PSI.
  - ALL WOOD SUBSTRATE SHALL BE MIN. G = 0.55 DENSITY.
  - ALL METAL STUD SUBSTRATE SHALL BE MIN. 18 GA. Fy = 33 ksi.
  - ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. 12 GA. Fy = 36 ksi.
- WHEN GLAZED FOR SMALL MISSILE IMPACT THESE WINDOWS MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE WITHOUT AN APPROVED SHUTTER.

**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	2	1 3/8"	1"
MIN. 18 GA. STUD	NO. 12 TEK SCREW	2	FULL	1/2"
MIN. 12 GA. STRUCTURAL STEEL	NO. 12 TEK SCREW	2	FULL	1/2"
CMU/CONCRETE	(1) 1/4" CONCRETE SCREW	2	1 1/4"	2"

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

**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"	120"	19 3/4"	91 5/8"	17 3/16"	19 1/4"
30"	115"	25 3/4"	86 5/8"	23 3/16"	19 1/4"
36"	96"	31 3/4"	67 5/8"	29 3/16"	19 1/4"
42"	82"	37 3/4"	53 5/8"	35 3/16"	19 1/4"
48"	72"	43 3/4"	43 5/8"	41 3/16"	19 1/4"

NOTES: 1) ALL MULLED UNITS ARE LIMITED TO 72" TALL AS TESTED.  
 2) ALL WINDOWS ARE LIMITED TO 48" MAXIMUM WIDTH.

**ALLOWABLE DESIGN LOAD (LARGE MISSILE IMPACT)**

POSITIVE	NEGATIVE
90 PSF	100 PSF

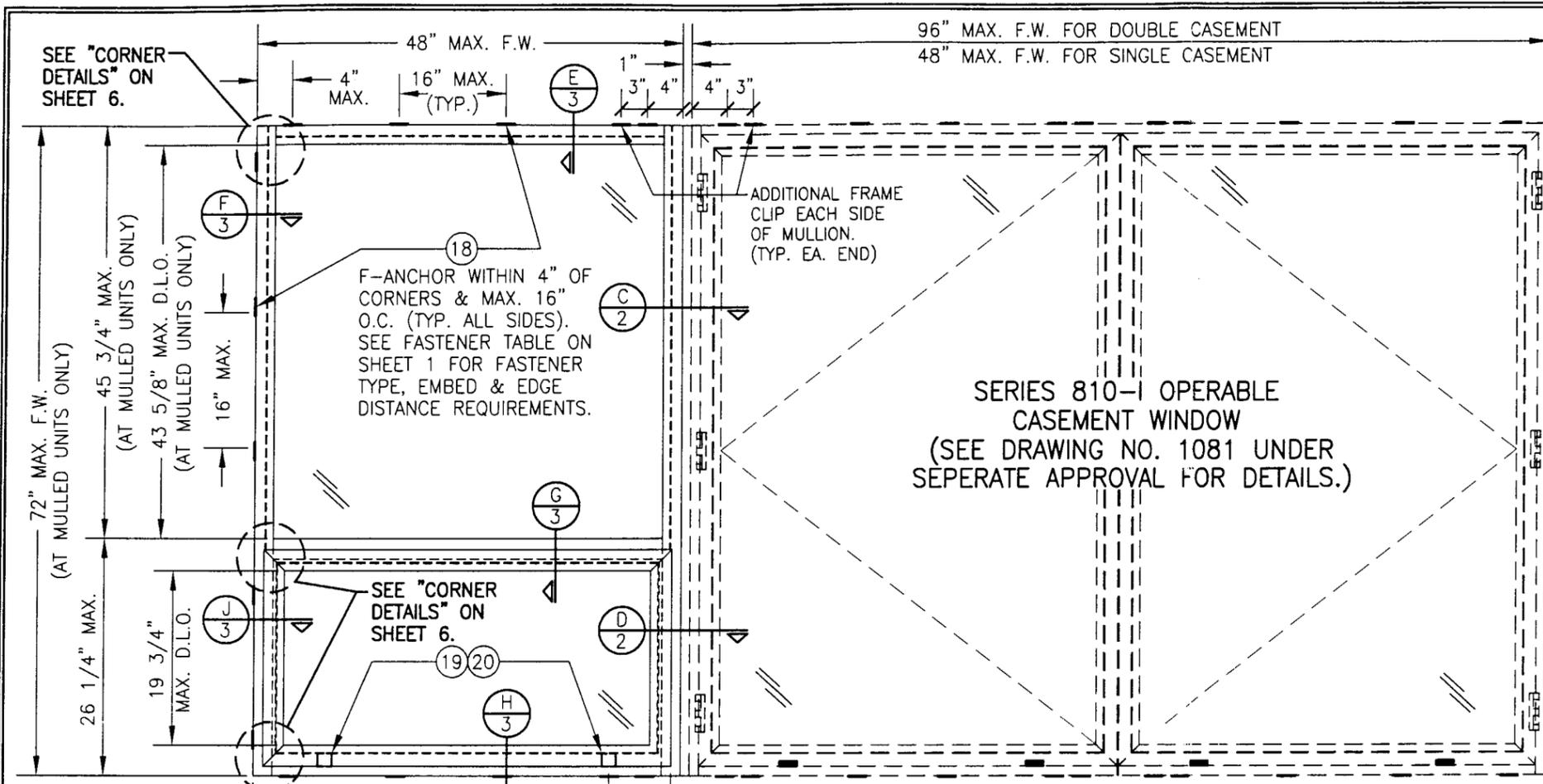
APPLICABLE TO GLASS TYPES A, B, C & D (SEE SHEET 5)

**ALLOWABLE DESIGN LOAD (SMALL MISSILE IMPACT)**

POSITIVE	NEGATIVE
90 PSF	100 PSF

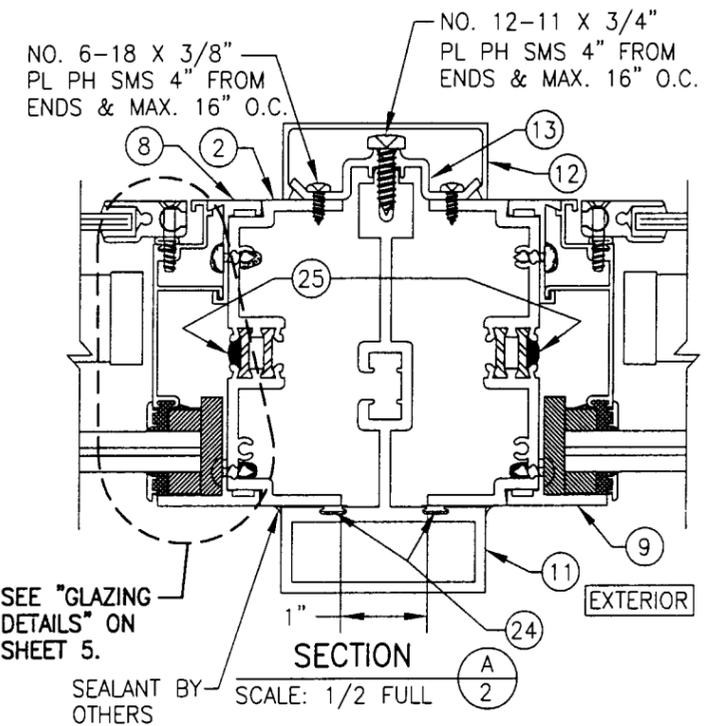
APPLICABLE TO GLASS TYPE E (SEE SHEET 5)

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 03/05/02
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE: <b>SERIES 810-I SMALL &amp; LARGE MISSILE IMPACT FIXED/PROJECT OUT WINDOW</b>	
CONSULTANTS: <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>	MANUFACTURER: <b>EFCO CORPORATION</b>
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169
CERTIFICATION: JUL 17 2002 <i>[Signature]</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. <b>1082</b> REV.
	SHEET NO. <b>1</b> OF <b>7</b>



**SERIES 810-I OPERABLE CASEMENT WINDOW**  
 (SEE DRAWING NO. 1081 UNDER SEPERATE APPROVAL FOR DETAILS.)

FOR FIXED/PROJECT OUT WINDOW MULLED TO FIXED WINDOW, SEE DRAWING NO. 1080 UNDER SEPERATE APPROVAL.



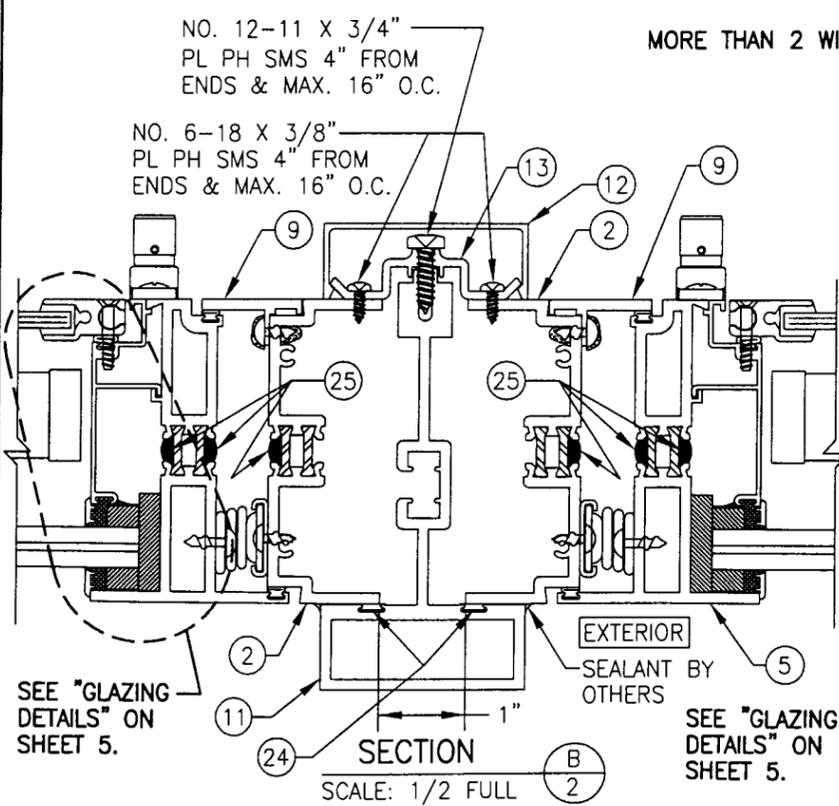
SEE "GLAZING DETAILS" ON SHEET 5.

SECTION A-A

SCALE: 1/2 FULL

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

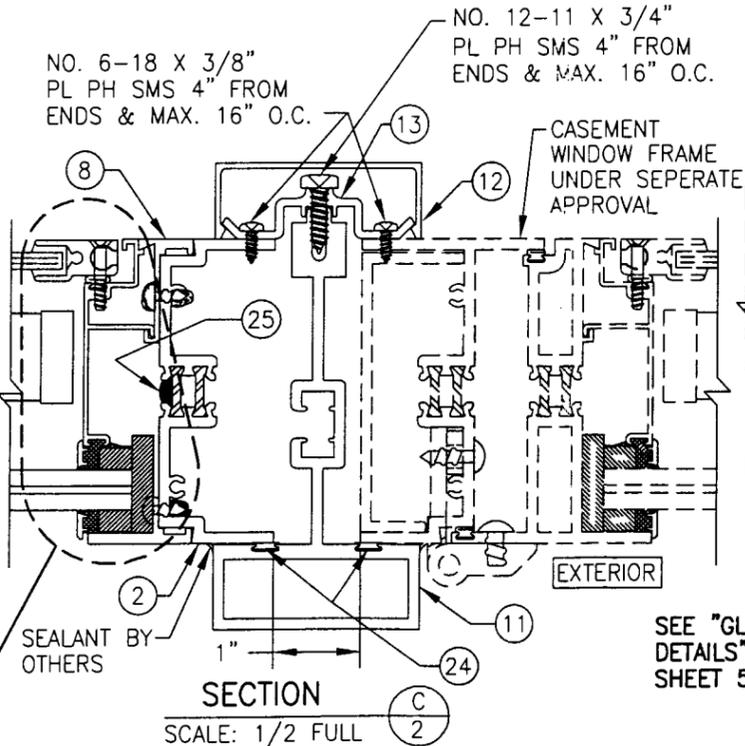
MORE THAN 2 WINDOWS MAY BE STACKED HORIZONTALLY



SEE "GLAZING DETAILS" ON SHEET 5.

SECTION B-B

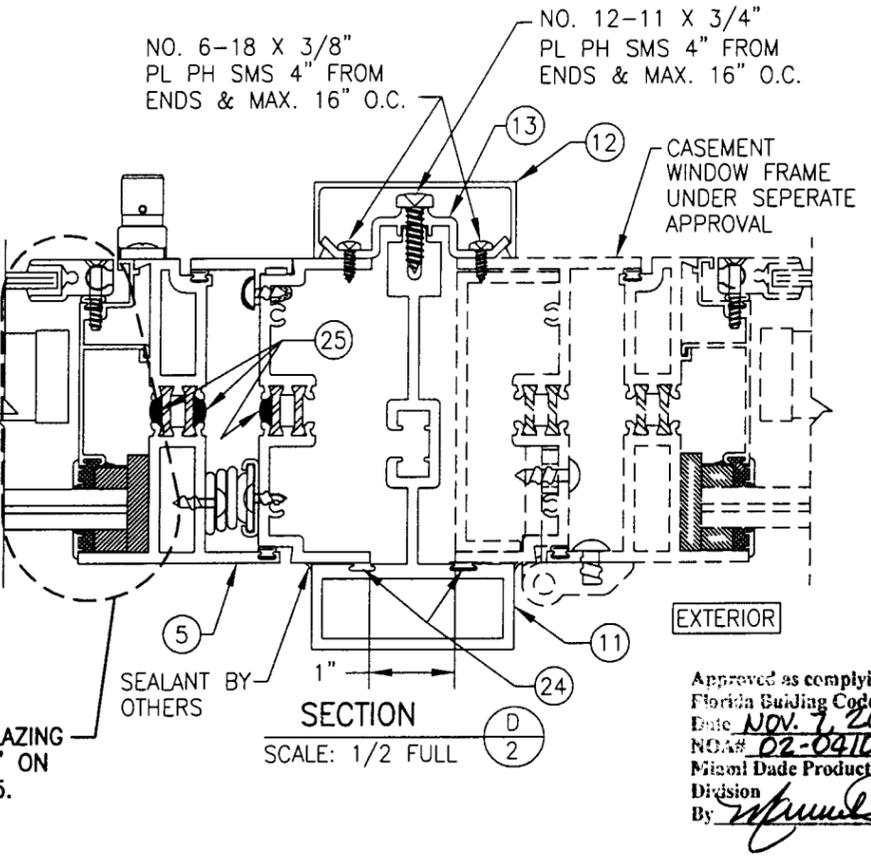
SCALE: 1/2 FULL



SEE "GLAZING DETAILS" ON SHEET 5.

SECTION C-C

SCALE: 1/2 FULL



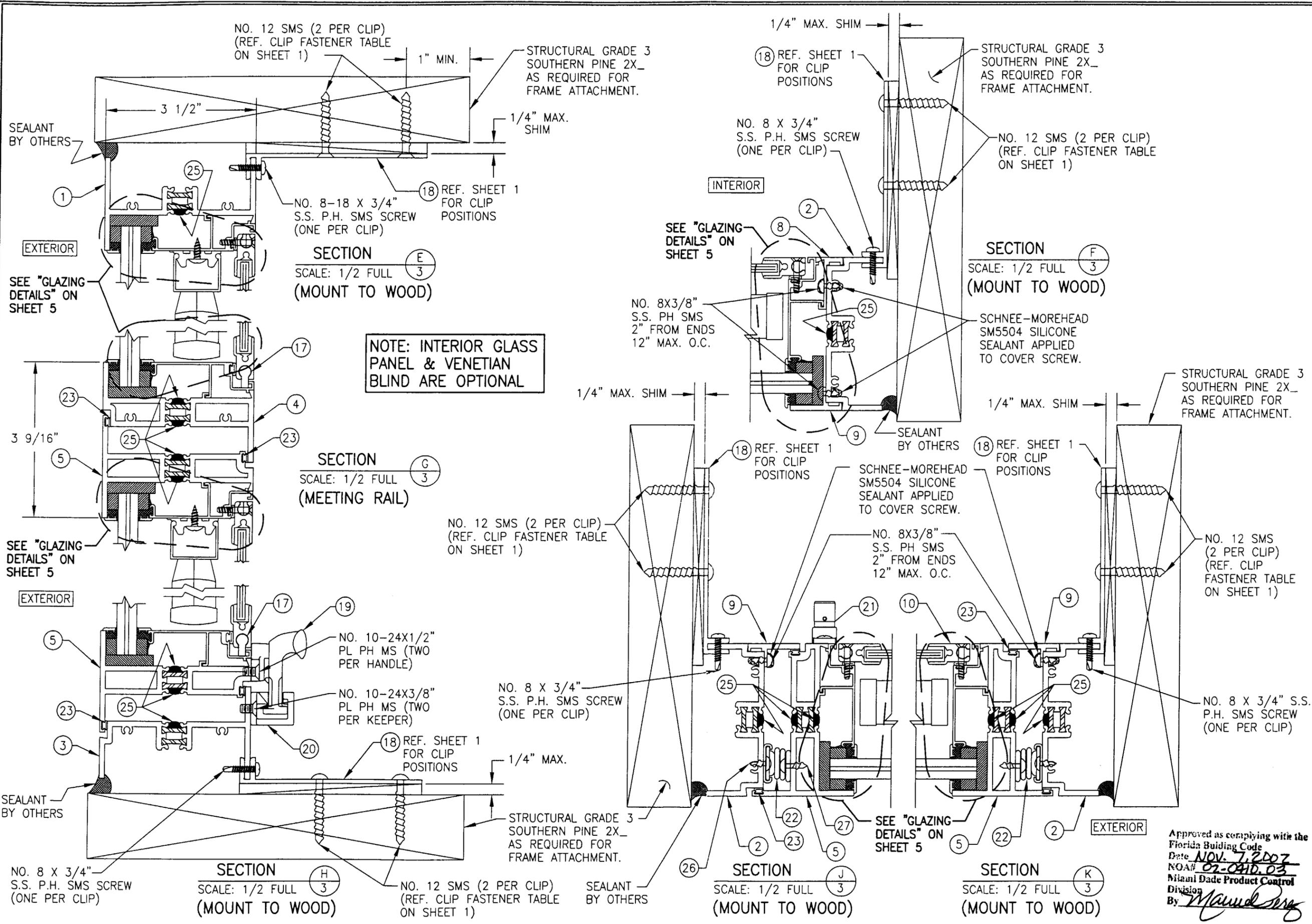
SEE "GLAZING DETAILS" ON SHEET 5.

SECTION D-D

SCALE: 1/2 FULL

Approved as complying with the Florida Building Code  
 Date Nov. 7, 2002  
 NO. 02-0410.03  
 Miami Dade Product Control Division  
 By *[Signature]*

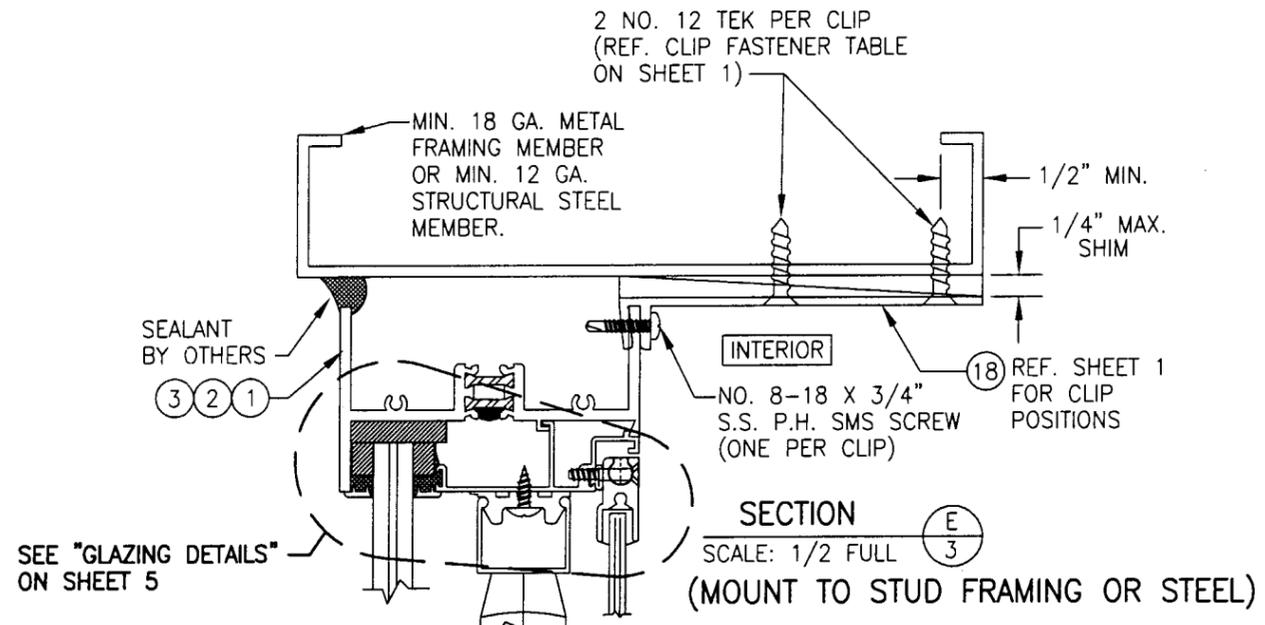
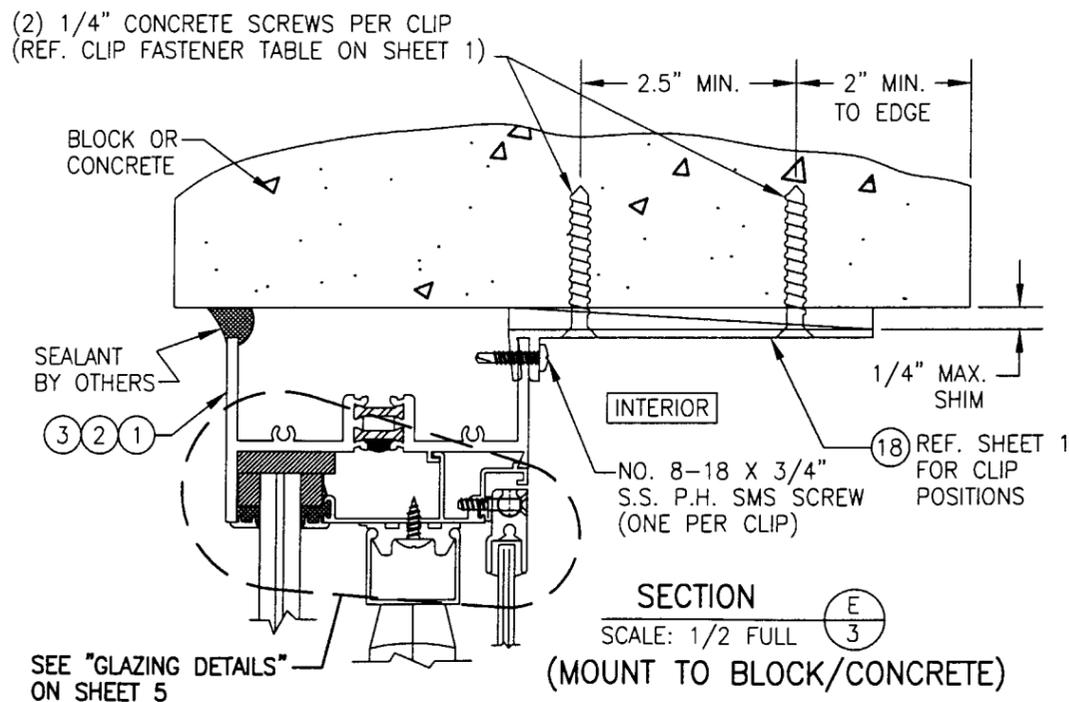
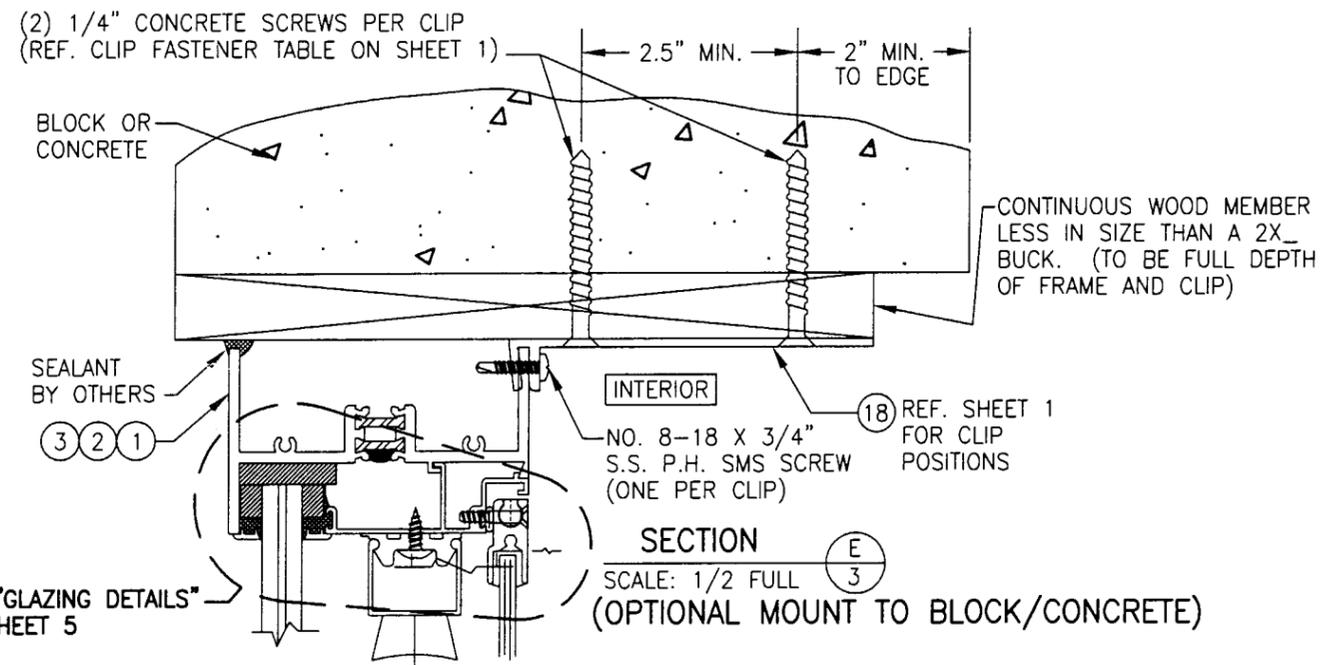
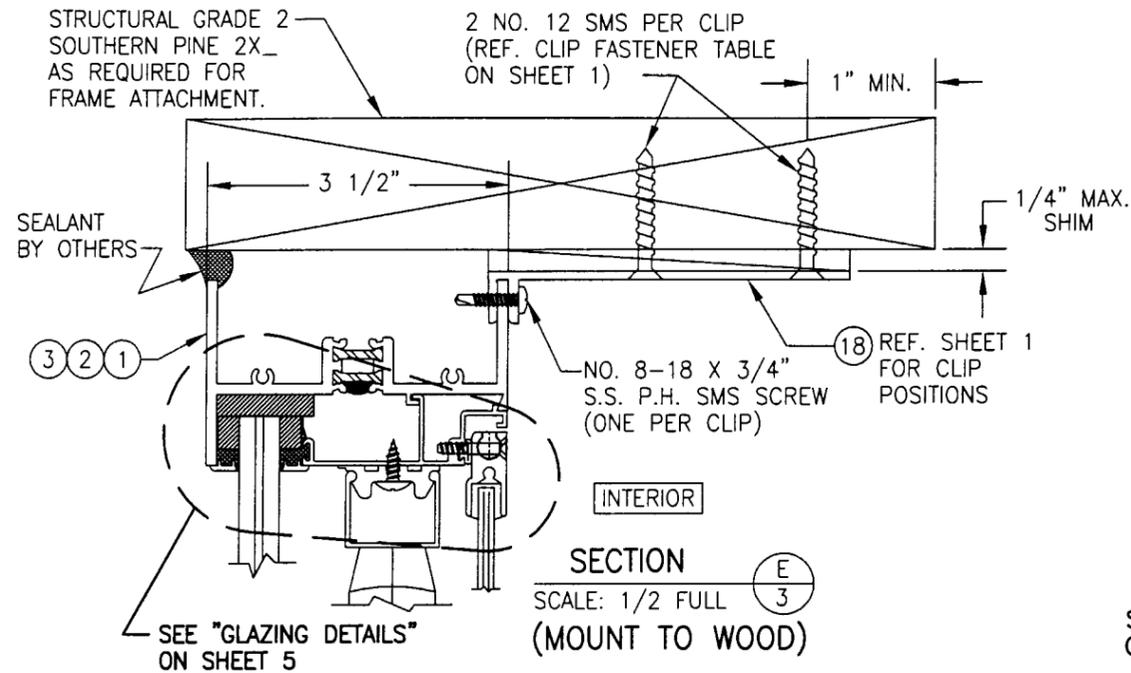
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PLOT: 1=16	DATE: 03/05/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>SERIES 810-I SMALL &amp; LARGE MISSILE IMPACT FIXED/PROJECT OUTWINDOW</b>	
MANUFACTURER <b>EFCO CORPORATION</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION <b>JUL 17 2002</b>	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1082</b>	REV.
SHEET NO. <b>2</b>	OF <b>7</b>



DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/05/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE <b>SERIES 810-1 SMALL &amp; LARGE MISSILE IMPACT FIXED/PROJECT OUT WINDOW</b> MANUFACTURER <b>EFCO CORPORATION</b> 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION <b>JUL 17 2002</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1082</b>	REV.
SHEET NO. <b>3</b>	OF <b>7</b>

Approved as complying with the Florida Building Code  
 Date NOV. 7, 2002  
 NOA# 02-041D.03  
 Miami Dade Product Control  
 Division  
 By Maurice Perry

DRAWN BY:	J.C.F.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	03/05/02
DATE:			
BY:			
REVISION DESCRIPTION:			
NO.:			



DRAWING TITLE: SERIES 810-I SMALL & LARGE MISSILE IMPACT FIXED/PROJECT OUT WINDOW

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

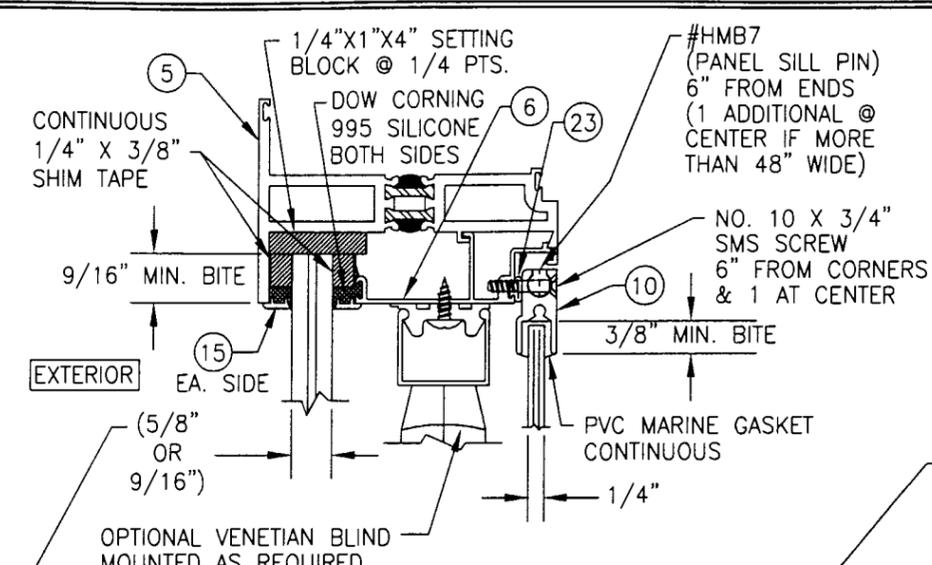
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.  
 600 SANDTREE DRIVE, SUITE 203B  
 PALM BEACH GARDENS, FL 33403  
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: JUL 17 2002

WARREN W. SCHAEFER, P.E.  
 P.E. NO. 44135

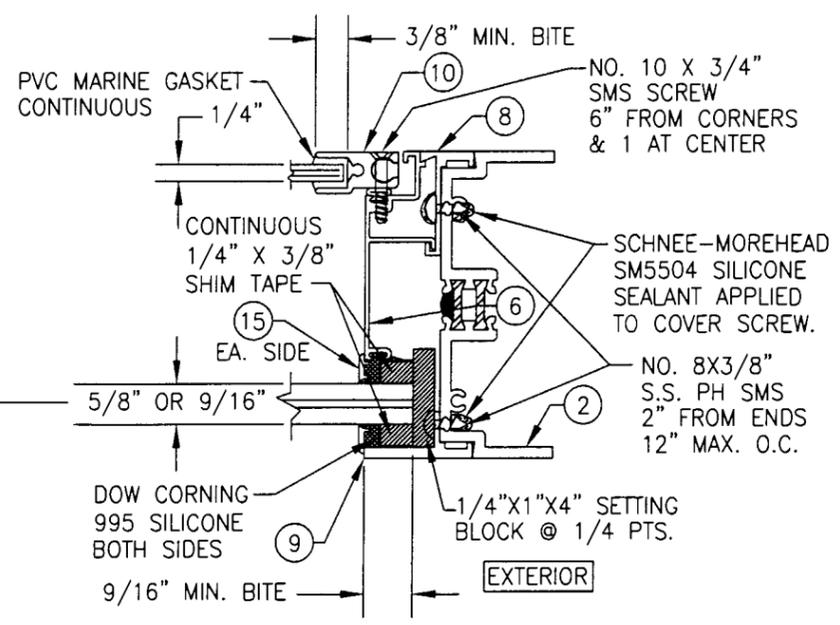
DRAWING NO. 1082  
 SHEET NO. 4 OF 7

Approved as complying with the Florida Building Code  
 Date: Nov. 7, 2002  
 NOA# 02-0410-03  
 Miami Dade Product Control  
 Division  
 By: *Manuel Perez*

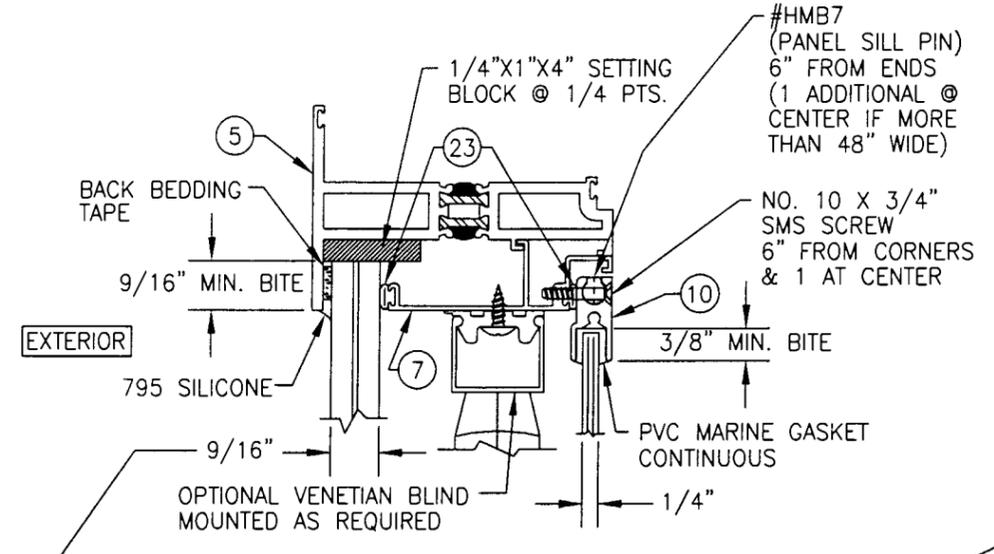


**PROJECT OUT GLAZING DETAIL  
LARGE MISSILE IMPACT**

- GLASS "A": 5/8" VIRACON STORM GUARD: (1/4" AN./0.10" SOLUTIA SAFLEX HP/ 1/4" AN.)
- GLASS "B": 5/8" NEBULA GLASSLAM SAFETY-PLUS: (1/4" AN./0.060" RESIN/0.010" PET/0.060" RESIN/ 1/4" AN.)
- GLASS "C": 9/16" DUPONT SENTRY GLASS PLUS: (1/4" HT. ST./0.090" DUPONT SGP/ 1/4" HT. ST.)
- GLASS "D": 9/16" SECURITY IMPACT GLASS SAF-GLAS: (1/4" HT. ST./0.015" SIG ADHESIVE/0.070" POLYCARB./0.015" SIG ADHESIVE/ 1/4" HT. ST.)



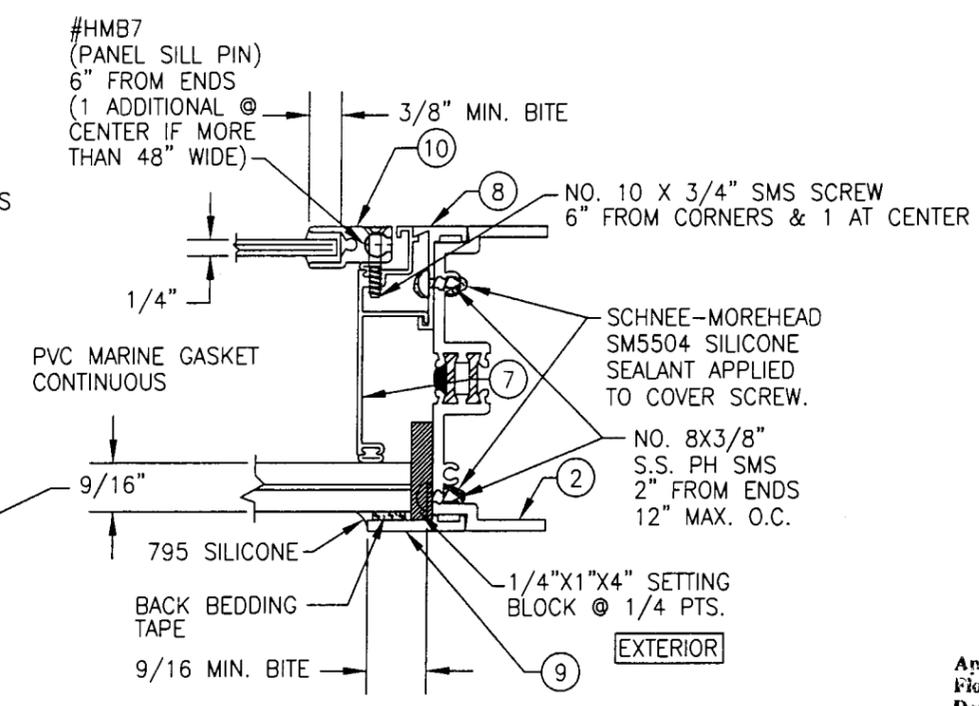
**FIXED GLAZING DETAIL  
LARGE MISSILE IMPACT**



**PROJECT OUT GLAZING DETAIL  
SMALL MISSILE IMPACT**

- GLASS "E": 9/16" SOLUTIA SAFLEX IIIIG: (1/4" HT. ST./0.060" SAFLEX IIIIG PVB/ 1/4" HT. ST.)

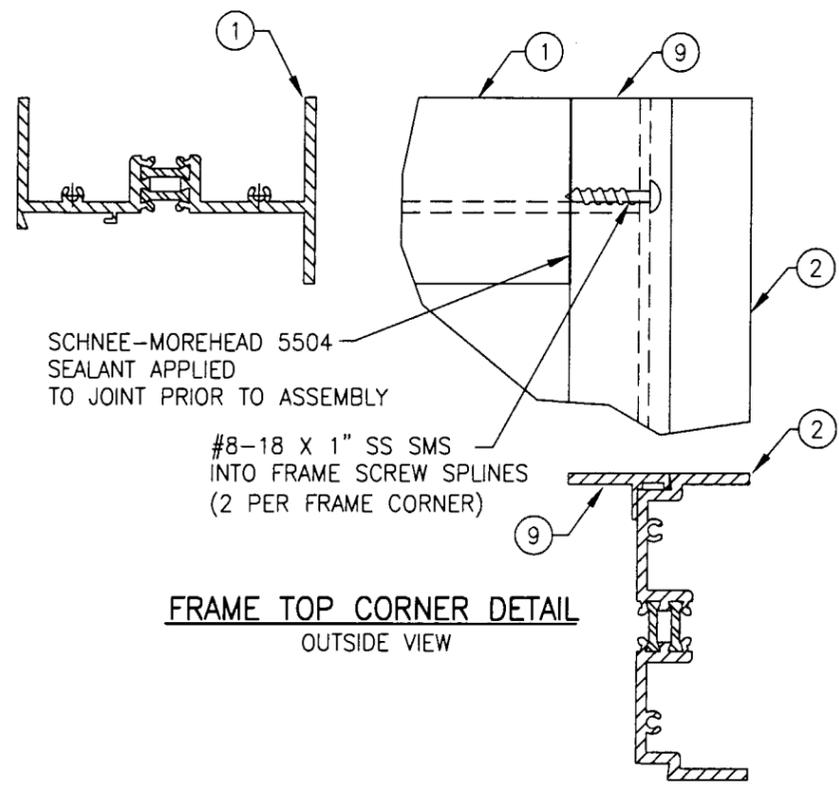
WHEN GLAZED FOR SMALL MISSILE IMPACT, THE WINDOWS MAY NOT BE INSTALLED AT SILL ELEVATIONS LESS THAN 30 FT. ABOVE GRADE.



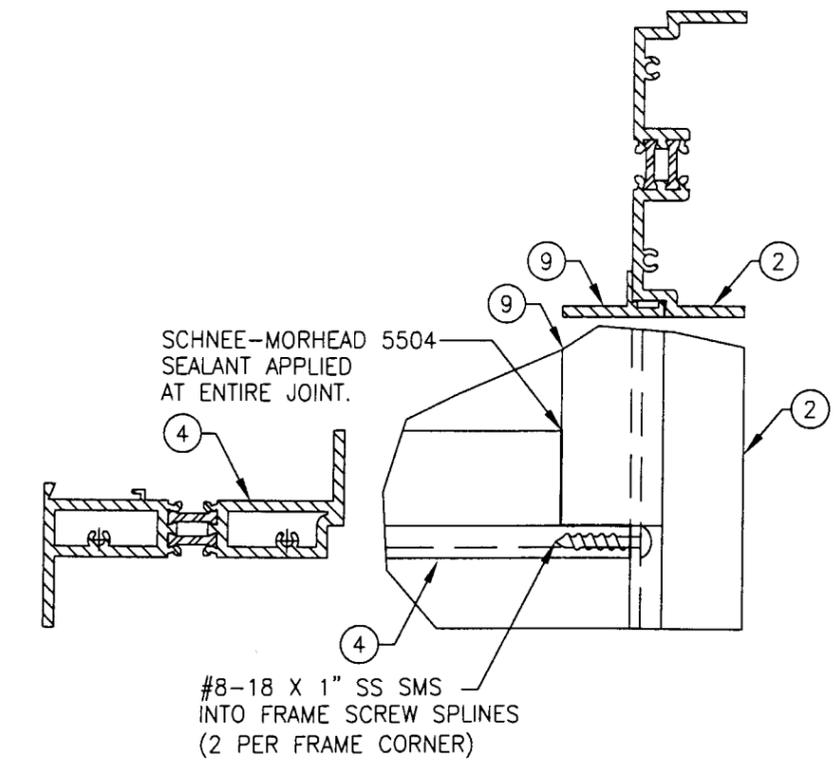
**FIXED GLAZING DETAIL  
SMALL MISSILE IMPACT**

Approved as complying with the Florida Building Code  
Date Nov. 7, 2007  
NOA# 02-0410-03  
Miami Dade Product Control Division  
By Manuel Ariz

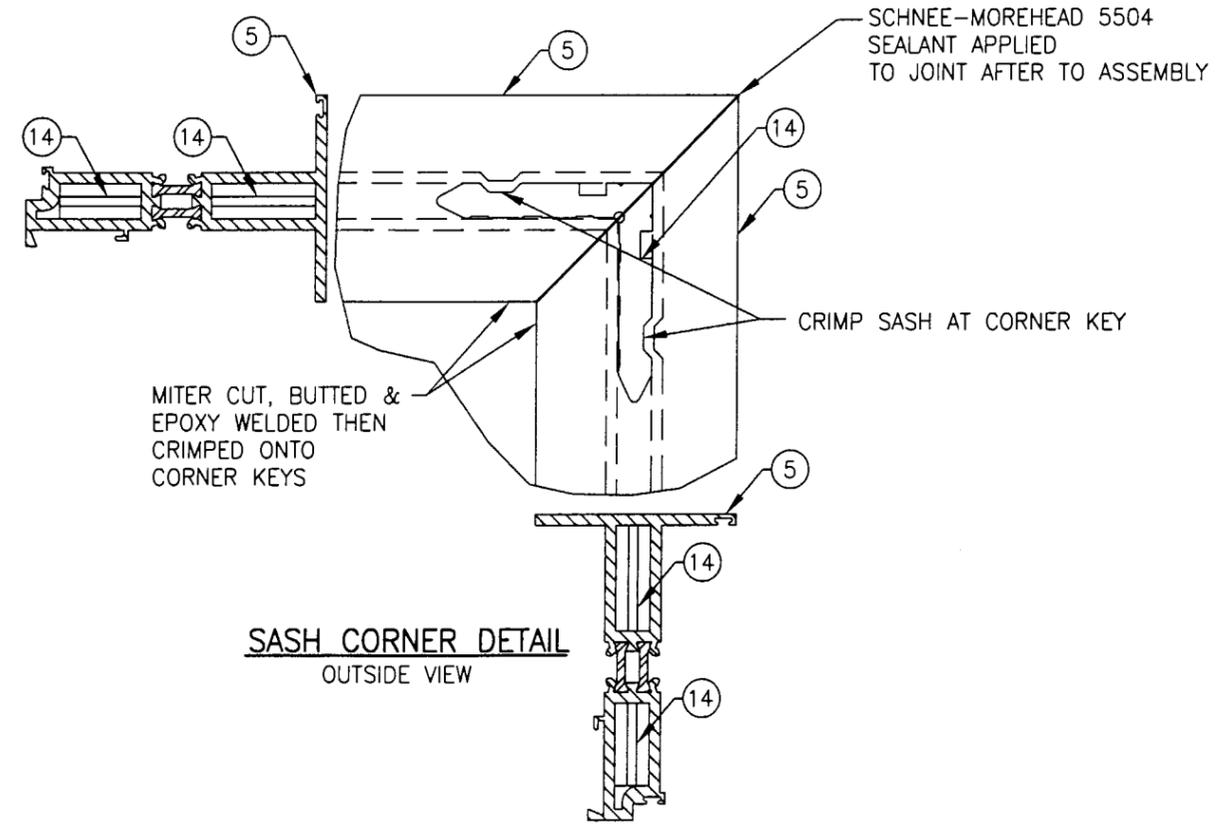
DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 03/05/02	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE <b>SERIES 810-1 SMALL &amp; LARGE MISSILE IMPACT FIXED/PROJECT OUT WINDOW</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER <b>EFCO CORPORATION</b> 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION <b>JUL 17 2007</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. <b>1082</b>	REV.	SHEET NO. <b>5 OF 7</b>	



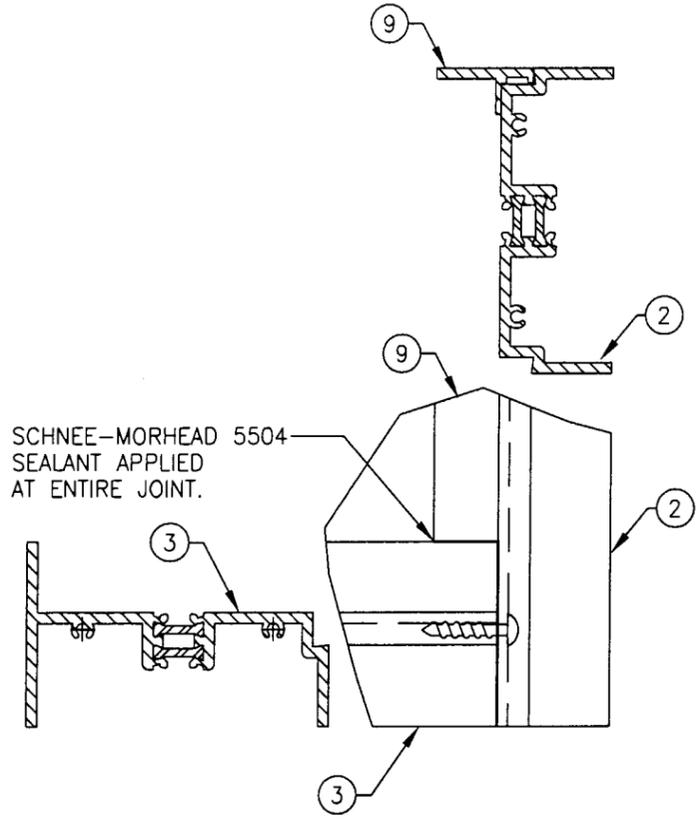
**FRAME TOP CORNER DETAIL**  
OUTSIDE VIEW



**MEETING RAIL END INTERSECTION DETAIL**  
OUTSIDE VIEW



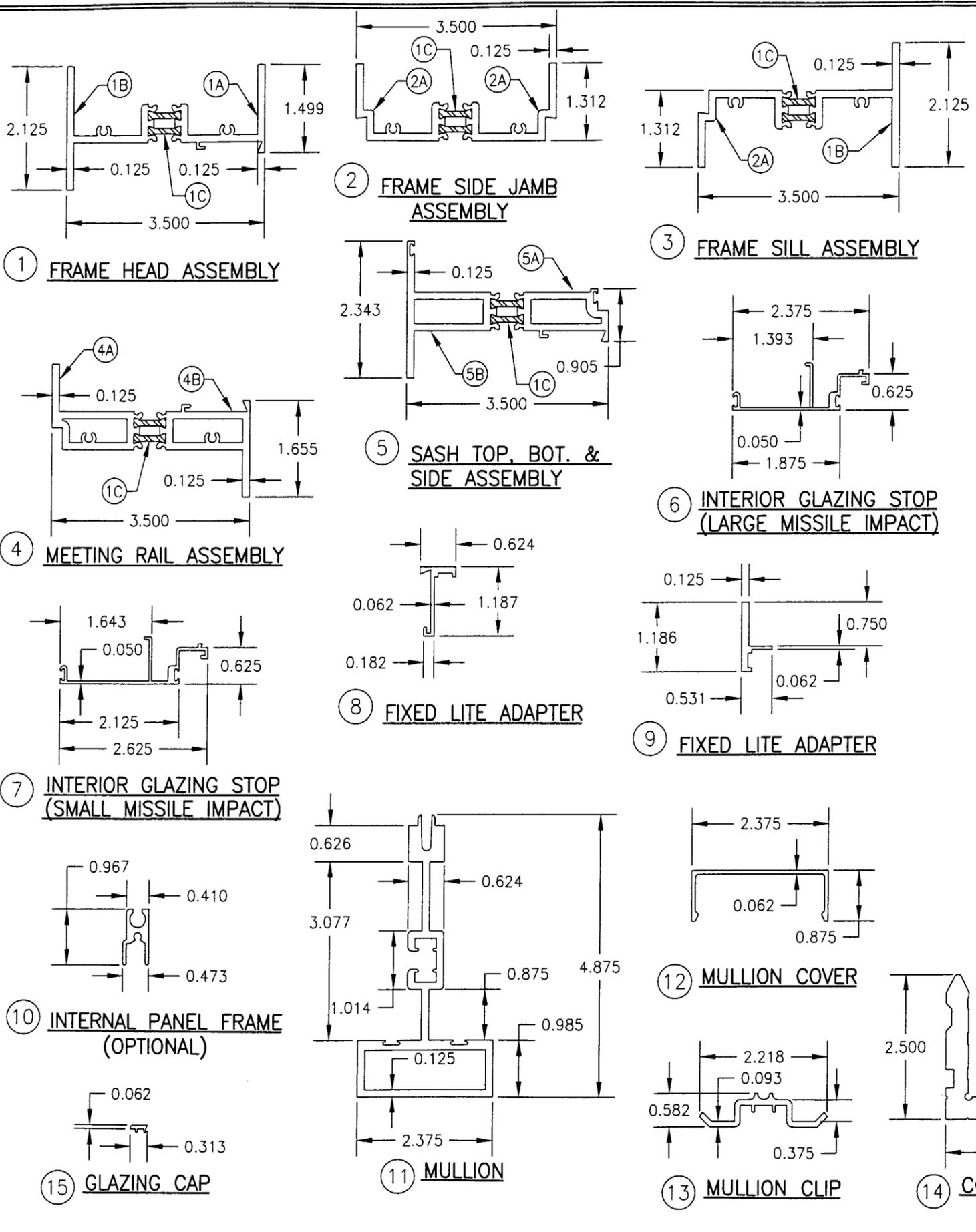
**SASH CORNER DETAIL**  
OUTSIDE VIEW



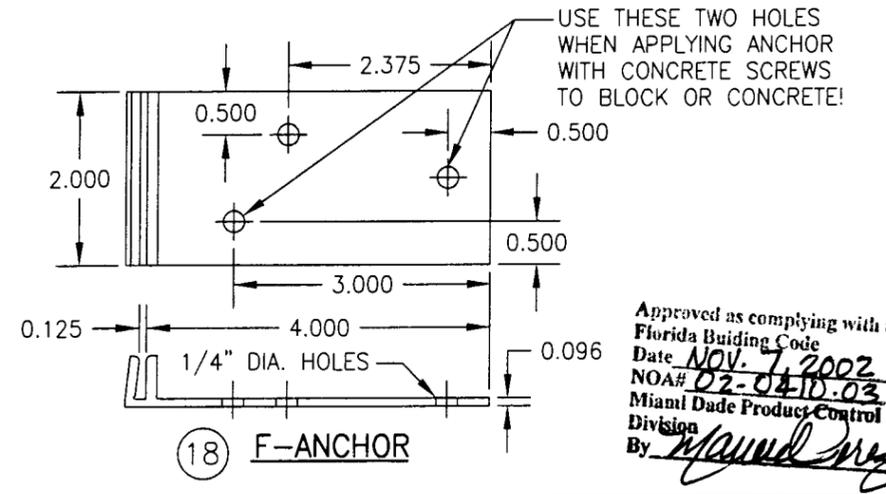
**FRAME BOTTOM CORNER DETAIL**  
OUTSIDE VIEW

Approved as complying with the  
Florida Building Code  
Date NOV. 7, 2002  
NOA# 02-0410.03  
Miami Dade Product Control  
Division  
By Warren W. Schaefer

DRAWN BY: J.C.F.		CHECKED BY: W.W.S.	
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NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: <b>SERIES 810-1 SMALL &amp; LARGE MISSILE IMPACT FIXED/PROJECT OUT WINDOW</b>			
CONSULTANTS: <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER: <b>EFCO CORPORATION</b> 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION <b>JUL 17 2002</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. <b>1082</b>	REV.		
SHEET NO. <b>6</b>	OF <b>7</b>		



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	1B02	FRAME HEAD ASSEMBLY	EFCO; 6063-T6 ALUMINUM
1A	8019	EXTERIOR FRAME MEMBER	EFCO; 6063-T6 ALUMINUM
1B	8018	INTERIOR FRAME MEMBER	EFCO; 6063-T6 ALUMINUM
1C	LAA3	INSULBAR STRUT (2 PER)	FIBER REINFORCED NYLON
2	1B07	FRAME SIDE JAMB ASSEMBLY	EFCO; 6063-T6 ALUMINUM
2A	8020	INTERIOR & EXTERIOR JAMB MEMBER	EFCO; 6063-T6 ALUMINUM
3	1B05	FRAME SILL ASSEMBLY	EFCO; 6063-T6 ALUMINUM
4	1B21	FRAME MEETING RAIL ASSEMBLY	EFCO; 6063-T6 ALUMINUM
4A	8256	EXTERIOR FRAME MEETING RAIL MEMBER	EFCO; 6063-T6 ALUMINUM
4B	8257	INTERIOR FRAME MEETING RAIL MEMBER	EFCO; 6063-T6 ALUMINUM
5	1B28	SASH TOP, BOTTOM & SIDE ASSEMBLY	EFCO; 6063-T6 ALUMINUM
5A	8503	INTERIOR SASH RAIL	EFCO; 6063-T6 ALUMINUM
5B	8504	EXTERIOR SASH RAIL	EFCO; 6063-T6 ALUMINUM
6	EJ51	INT. GLAZING STOP (LG. MISSILE IMPACT)	EFCO; 6063-T6 ALUMINUM
7	2097	INT. GLAZING STOP (SM. MISSILE IMPACT)	EFCO; 6063-T6 ALUMINUM
8	8861	FIXED LITE ADAPTER	EFCO; 6063-T6 ALUMINUM
9	8862	VENT ADAPTER	EFCO; 6063-T6 ALUMINUM
10	ER65	INTERIOR PANEL FRAME (OPTIONAL)	EFCO; 6063-T6 ALUMINUM
11	1303	MULLION	EFCO; 6063-T6 ALUMINUM
12	EG79	MULLION COVER	EFCO; 6063-T6 ALUMINUM
13	EG78	MULLION CLIP	EFCO; 6063-T6 ALUMINUM
14	2878	SASH CORNER KEY	EFCO; 6063-T6 ALUMINUM
15	LB00	TRIM CAP	EFCO; 6063-T6 ALUMINUM
16	HMB7	INTERIOR PANEL FRAME PIN (OPTIONAL)	EFCO; 6063-T6 ALUMINUM
17	HMB8	INTERIOR PANEL FRAME LOCK (OPTIONAL)	EFCO; 6063-T6 ALUMINUM
18	1880	F-ANCHOR CLIP	EFCO; 6063-T6 ALUMINUM
HARDWARE			
19	HU41	CAM LOCKING HANDLE	BRONZE CRAFT (MANGANESE BRONZE)
20	HK10	CAM LOCK KEEPER	BRONZE CRAFT (MANGANESE BRONZE)
21	5005	VENETIAN BLIND TILT KNOB (OPTIONAL)	WINDOW ACCESSORY CO.
22	LA10	S.S. 4 BAR HINGE	TRUTH HARDWARE 300 SERIES
SEALS & SEALANTS			
23	WA04	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
24	WVB4	CONT. VINYL BULB SEAL	CENTRAL PLASTICS
25	-	INSULBAR SEALANT (CONTINUOUS)	COLOR DOW 795
FASTENERS			
26	-	NO. 10 X 1/2" S.S. SMS	5 PER HINGE INTO JAMB
27	-	NO. 10 X 1/2" S.S. SMS	5 PER HINGE INTO SASH



Approved as complying with Florida Building Code  
 Date NOV. 7, 2002  
 NOA# 02-0410-03  
 Miami Dade Product Control Division  
 By Maund

DRAWN BY: J.C.F.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/05/02
DATE	BY
REVISION DESCRIPTION	NO
DRAWING TITLE: <b>SERIES 810-I SMALL &amp; LARGE MISSILE IMPACT FIXED/PROJECT OUT WINDOW</b>	
CONSULTANTS: <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>	
MANUFACTURER: <b>EFCO CORPORATION</b>	
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CERTIFICATION	JUL 17 2002
WARREN W. SCHAEFER, P.E.	P.E. NO. 44135
DRAWING NO. <b>1082</b>	REV.
SHEET NO. <b>7</b>	OF <b>7</b>