



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.buildingcodeonline.com](http://www.buildingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

**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 "5800-8" Deep Frame" Aluminum Curtain Wall System – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1048, dated 04/20/01, with last revision "C1" dated 11/25/06, titled "Series 5800 Large Missile Impact Curtain Wall (8" Deep Frame)", sheets 1 through 7 of 7, 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**

**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 and revises** NOA # 03-0410.02 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



*J. Gascon*  
4/24/07

NOA No 05-1212.06  
Expiration Date: February 14, 2011  
Approval Date: May 17, 2007  
Page 1

EFCO Corporation

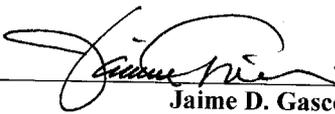
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **1048**, dated 04/20/01, with last revision "C1" dated 11/25/06, titled "Series 5800 Large Missile Impact Curtain Wall (8" Deep Frame)", sheets 1 through 7 of 7, 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)Large Missile Impact Test per FBC, TAS 201-94  
6)Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram, prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-1217-01**, dated 12/11/01, signed and sealed by Vinu J. Abraham, P.E.  
**"Submitted under NOA# 03-0410.02"**
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)Large Missile Impact Test per FBC, TAS 201-94  
6)Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram, prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0315-02**, dated 03/20/02, signed and sealed by Vinu J. Abraham, P.E.  
**"Submitted under NOA# 03-0410.02"**
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)Large Missile Impact Test per FBC, TAS 201-94  
6)Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with installation diagram, prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0414-00, Specimen 1**, dated 4/21/00, signed and sealed by Vinu J. Abraham, P.E.  
**"Submitted under NOA# 03-0410.02"**

  
Jaime D. Gascon, P.E.

Chief, Product Control Division  
NOA No 05-1212.06

Expiration Date: February 14, 2011  
Approval Date: May 17, 2007

EFCO Corporation

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

4. Test reports on 1) Large Missile Impact Test, FBC, TAS 201-94  
2) Cyclic Loading Test, per FBC, TAS 203-94  
along with installation diagram, prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0414-00, Specimen 5**, dated 4/26/00, signed and sealed by Vinu J. Abraham, P.E.  
***“Submitted under NOA# 03-0410.02”***
5. 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  
along with installation diagram of a series 300 medium stile pair of doors in an 8” deep aluminum curtain wall system frame; prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-1217-01, Elevation E**, dated 12/11/01, signed and sealed by Vinu J. Abraham, P.E.  
***“Submitted under NOA# 03-0410.02”***
6. 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  
along with installation diagram of a series 300 medium stile pair of doors and transom, in an 8” deep aluminum curtain wall system frame with OXXO configuration; prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0315-02, Elevation J**, dated 3/18-20/02, signed and sealed by Vinu J. Abraham, P.E.  
***“Submitted under NOA# 03-0410.02”***

**C. CALCULATIONS:**

1. Revised Anchor Calculations and structural analysis, complying with FBC-2004, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 04/20/01, revised 07/27/2005, signed and sealed by Warren W. Schaefer, P.E.

**D. QUALITY ASSURANCE BY**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **02-1205.03** issued to Security Impact Glass Holdings L.L.C. for **“SAF-GLAS,”** dated 01/02/03, expiring on 12/16/07

  
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Jaime D. Gascon, P.E.

Chief, Product Control Division  
NOA No 05-1212.06

Expiration Date: February 14, 2011  
Approval Date: May 17, 2007

**EFCO Corporation**

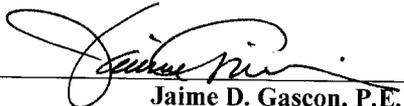
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

2. Notice of Acceptance No. **03-0916.02** issued to Nebula Glass International Inc. for "**Glasslam Safety-Plus** Laminated Glass," dated 10/23/03, expiring on 9/09/08
3. Notice of Acceptance No. **04/0115.01** issued to Viracon Inc. for "**HRG-2 Laminated Glass**," dated 02/12/04, expiring on 02/12/09.
4. Notice of Acceptance No. **06-1205.10** issued to E. I. DuPont de Nemours & CO., Inc., for "**DuPont SentryGlass Plus**," dated 02/15/07, expiring on 01/14/08.
5. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for "**Saflex IIIIG Clear or Colored Interlayer**," dated 05/04/06, expiring on 05/21/11.

**F. STATEMENTS**

1. Statement letter of no financial interest, dated 4/24/01, signed and sealed by Warren W. Schaefer, P.E.  
**"Submitted under NOA # 03-0410.02"**
2. Laboratory compliance letter for Test Report no. **HTL-0046-0414-00**, issued by Hurricane Test Laboratory, Inc., dated 5/14/01, signed and sealed by Vinu J. Abraham, P.E.  
**"Submitted under NOA # 03-0410.02"**

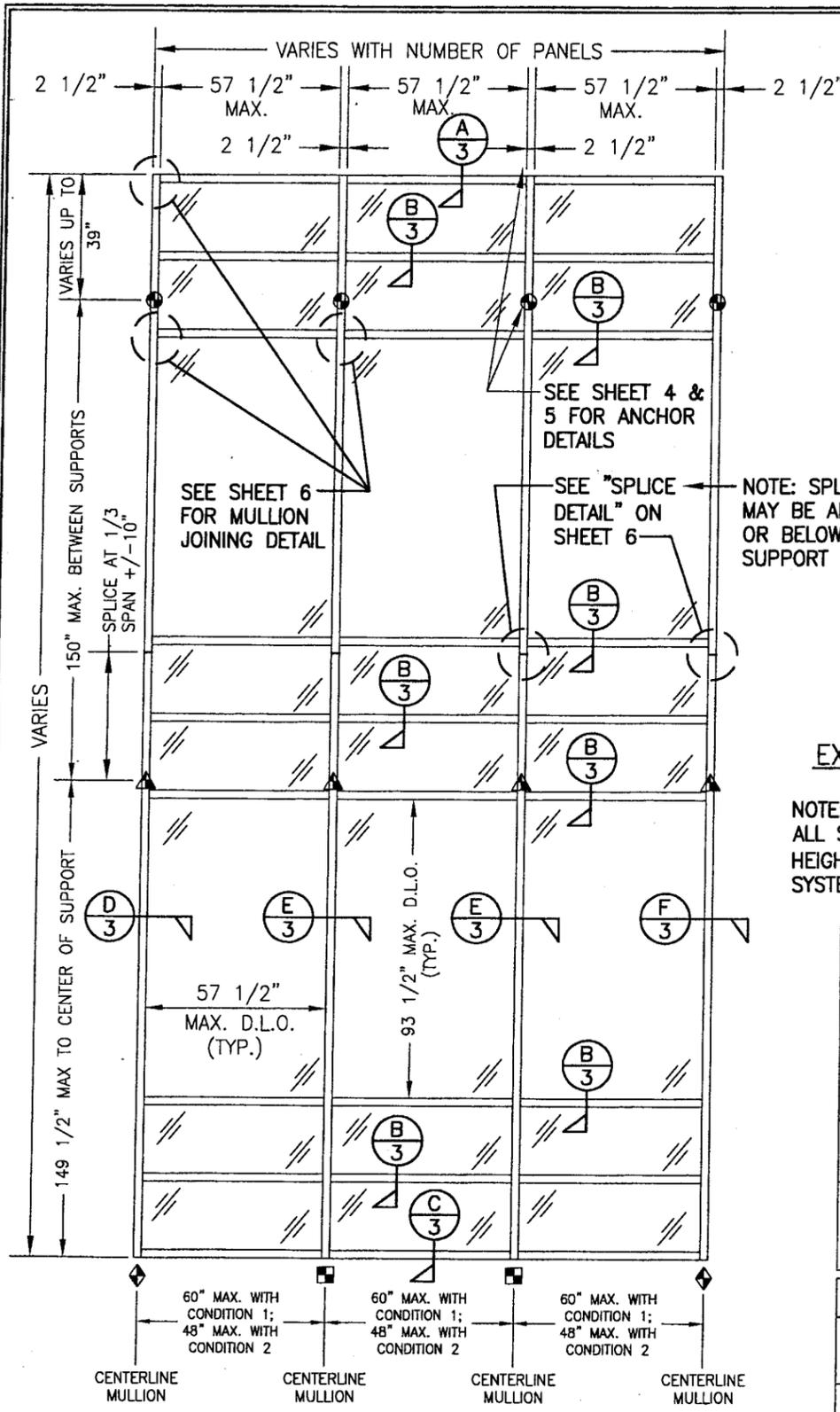
**G. OTHER**  
**None**



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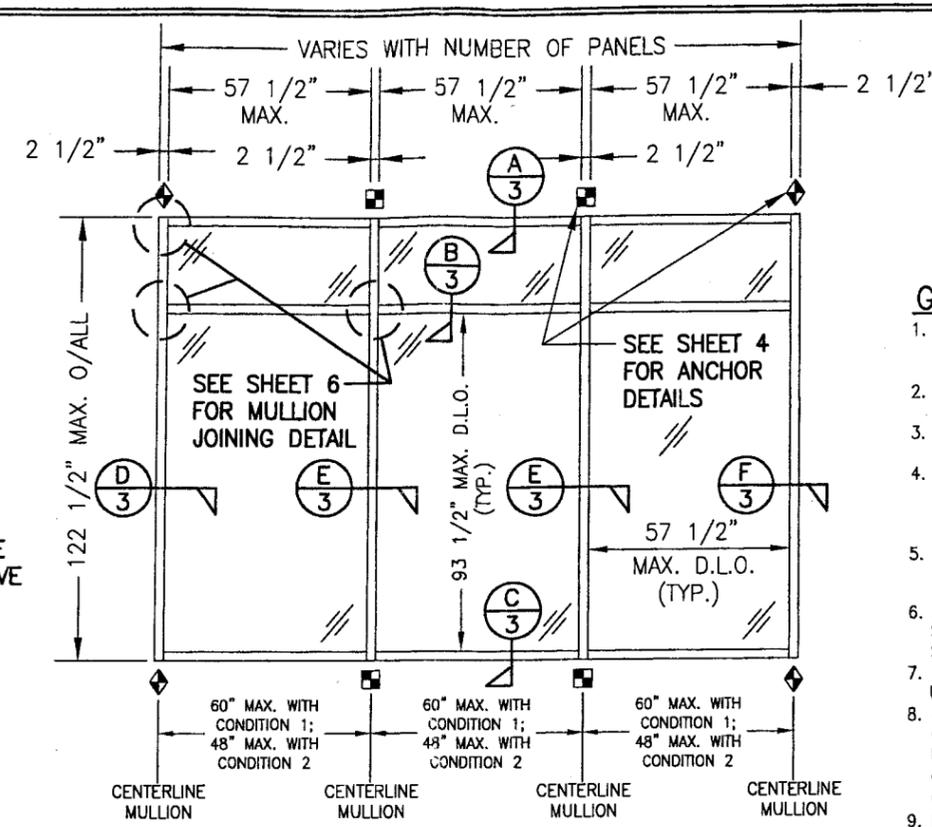
**Jaime D. Gascon, P.E.**  
**Chief, Product Control Division**  
**NOA No 05-1212.06**

**Expiration Date: February 14, 2011**  
**Approval Date: May 17, 2007**



**EXTERIOR ELEVATION  
CURTAIN WALL WITH MULTIPLE VERTICAL SPANS**  
SCALE: 1/4"=1'-0"

NOTE: THIS ELEVATION SHOWS THE 5800 CURTAIN WALL SYSTEM IN A MULTI-STORY APPLICATION. THE NUMBER OF FLOORS WITH WHICH THIS SYSTEM MAY BE USED RANGE FROM TWO(2) TO UNLIMITED WITH THE ONLY RESTRICTIONS BEING AS SHOWN ON THE SPAN BETWEEN FLOORS/SUPPORTS AND THE D.L.O. SIZE.



**EXTERIOR ELEVATION; CURTAIN WALL WITH SINGLE VERTICAL SPAN**  
SCALE: 1/4"=1'-0"

NOTE: THIS ELEVATION SHOWS THE 5800 CURTAIN WALL SYSTEM IN A SINGLE SPAN APPLICATION. ALL SINGLE SPAN APPLICATIONS ARE LIMITED BY EACH THE D.L.O. SIZES OF THE LIGHTS & THE HEIGHT/SPAN SHOWN. IF REQUIRED HEIGHT EXCEEDS THAT SHOWN IN THIS ELEVATION, THE SYSTEM MUST BE SUPPORTED AS TWO OR MORE SPANS PER THE MULTIPLE SPAN ELEVATION.

- SEE SHEET 4 → = F OR TF-ANCHOR  
 SEE SHEET 4 → = M OR TM-ANCHOR  
 SEE SHEET 5 → = DEAD LOAD ANCHOR  
 SEE SHEET 5 → = WIND LOAD ANCHOR  
 SEE SHEET 5 → = DOOR JAMB MULLION SHEAR BLOCK ANCHOR

**GENERAL NOTES**

- THESE CURTAIN WALL SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" 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 LARGE MISSILE IMPACT REQUIREMENTS.
- THESE CURTAIN WALL SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- 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 & VERTICAL 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. 16 GA. Fy = 50 ksi.
  - ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. Fy = 36 ksi.
- 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.

**"F", "TF", "M", "TM" & SHEAR BLOCK ANCHOR FASTENER REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	ANCHOR TO OPENING FASTENER TYPE	NO. FASTENERS PER ANCHOR INTO SUBSTRATE	MINIMUM EMBED	MINIMUM EDGE DIST.
WOOD	(1) 1/2" LAG SCREW	6 WITH F, TF, M & TM ANCHORS.	(2) 3"	1"
MIN. 16 GA. STUD	NO. 14 TEK SCREW		FULL	1/2"
STRUCT. STEEL	NO. 14 TEK SCREW	5 WITH JAMB MULLION SHEAR BLOCK ANCHOR.	FULL	1/2"
CONCRETE	3/8" HILTI QUIK BOLT II S.S. EXPANSION ANCHOR OR 3/8" S.S. RAWL POWER-BOLT		2 1/2"	2 1/2"

- (1) PREDRILL REQUIRED SIZE HOLES IN WOOD FOR PLACEMENT OF LAG SCREWS.  
 (2) LAG SCREW EMBEDMENT INTO WOOD FOR JAMB MULLION SHEAR BLOCK ANCHORS MUST BE MIN. 4" (3" FOR ALL OTHER ANCHORS).

**ALLOWABLE DESIGN LOADS & IMPACT RATING**

GLAZING DESCRIPTION	IMPACT RATING	ALLOWABLE PRESSURE	
		CONDITION 1	CONDITION 2
5/8" VIRACON HRG2 LAMINATED HT. ST. GLASS	LARGE MISSILE	+/-68 PSF	+/-90 PSF (1)
9/16" GLOBE CHEM TEMP LAMINATED GLASS	LARGE MISSILE	+/-60 PSF	+/-60 PSF
9/16" SECURITY SAF-GLAS LAMINATED HT. ST. GLASS	LARGE MISSILE	+/-68 PSF	+/-90 PSF (1)
5/8" GLASSLAM SAFETY-PLUS LAMINATED HT. ST. GLASS	LARGE MISSILE	+/-65 PSF	+/-65 PSF

(1) NEGATIVE PRESSURE MAY BE INCREASED FROM -90 PSF TO -100 PSF WHEN THE MULLION SPACING IS DECREASED TO 42" OR LESS.

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 05-1212-06  
 Expiration Date 02/14/2011  
 By *Warren W. Schaefer*  
 Miami Dade Product Control Division

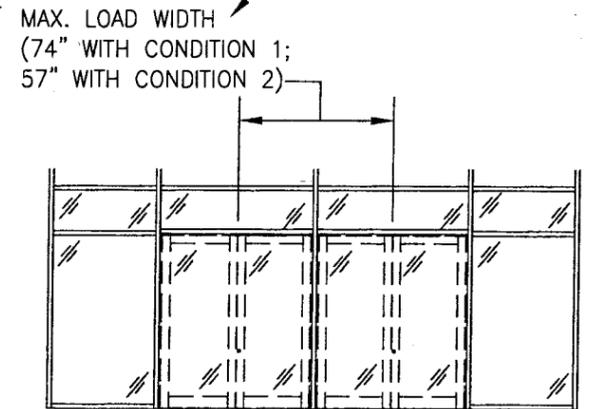
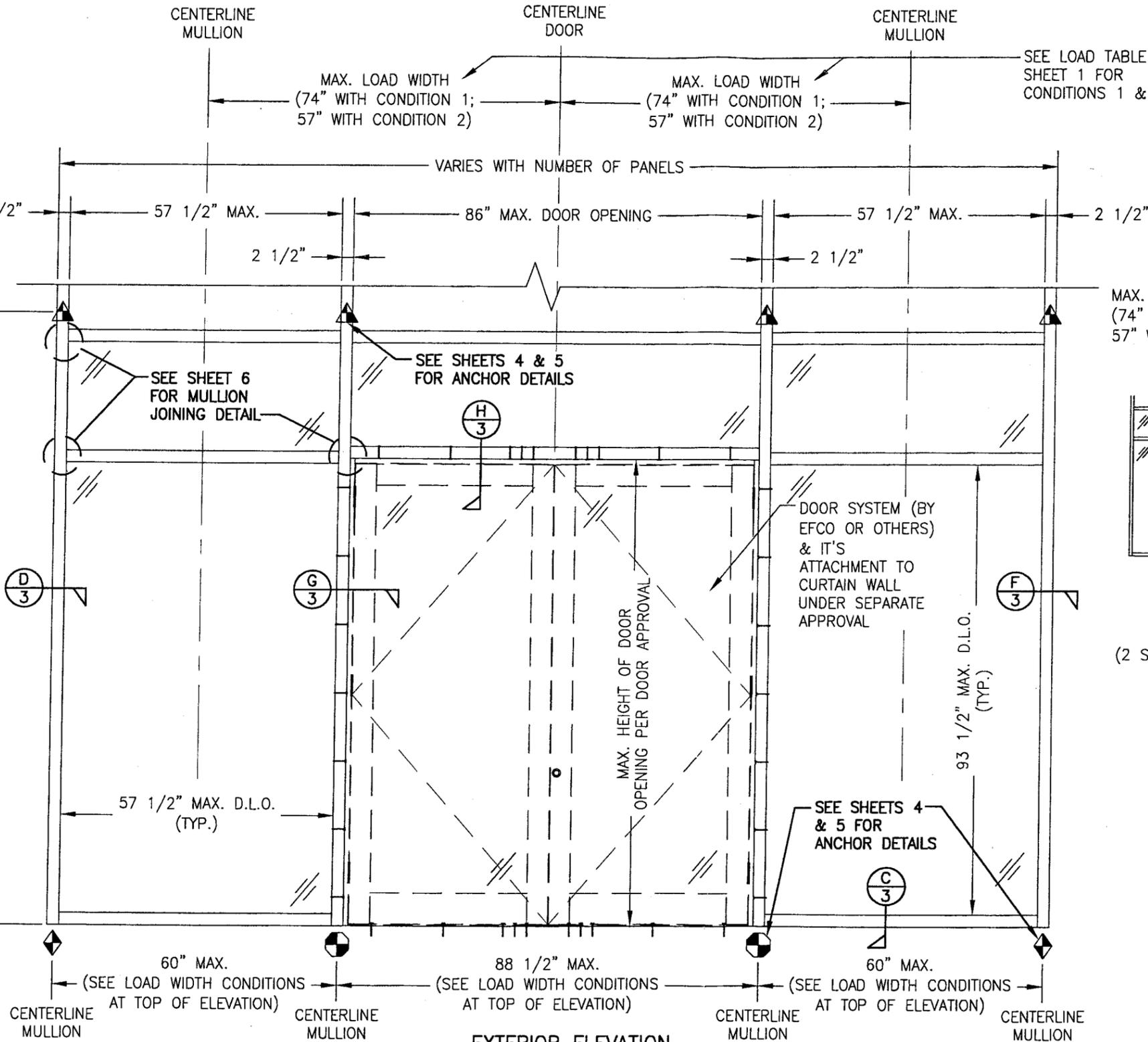
SEE MULLION CENTERLINE DIMENSIONS IN SHEET 1 ELEVATIONS AND MULLION LOAD WIDTH DIMENSIONS IN SHEET 2 ELEVATIONS FOR CONDITIONS 1 & 2.

DRAWING NO. 1048 SHEET NO. 1 OF 7	REVISION NO. 1 DATE 01/23/03 BY K.P.S. DESCRIPTION ADDED TF & TM ANCHORS	CHECKED BY: W.W.S. DATE: 04/20/01
DRAWING TITLE SERIES 5800 LARGE MISSILE IMPACT CURTAIN WALL (8" DEEP FRAME)	MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	REVISION NO. 2 DATE 01/23/03 BY K.P.S. DESCRIPTION INCREASED PRESSURE FOR GLOBE GLASS
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 NOV 28 2006 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	REVISION NO. 3 DATE 07/27/05 BY W.W.S. DESCRIPTION UPDATE FOR 2004 CODE

MAX. DISTANCE BETWEEN MULTI-STORY SUPPORTS = 122 1/2" WHEN DOOR OPENINGS ARE WIDER THAN 57 1/2" & 150" WHEN DOOR OPENINGS ARE 57 1/2" & LESS

149 1/2" MAX TO CENTER OF SUPPORT WHEN DOOR OPENINGS ARE 57 1/2" WIDE & LESS

122 1/2" MAX TO CENTER OF SUPPORT WHEN DOOR OPENINGS ARE WIDER THAN 57 1/2"



**ELEVATION**  
NOT TO SCALE  
(2 SIDE BY SIDE DOUBLE DOORS IN CURTAIN WALL)

NOTE: DOUBLE DOOR NEXT TO FIXED WINDOW CONDITION IS SHOWN. ALSO APPLICABLE IS A DOUBLE DOOR NEXT TO A DOUBLE DOOR AND SINGLE DOOR COMBINATIONS PROVIDING THE DISTANCE BETWEEN DOOR OPENING CENTERLINES IS NO GREATER THAN 74 1/4".

THIS DIMENSION ALSO APPLIES TO SINGLE VERTICAL SPAN CONDITION AS THE MAX. HEIGHT PER "SINGLE SPAN" ELEVATION ON SHEET 1.

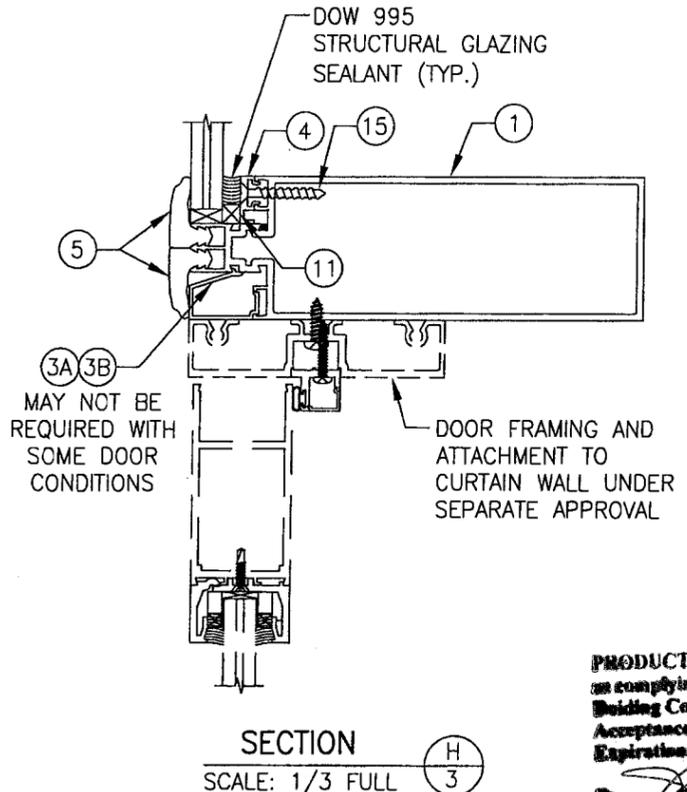
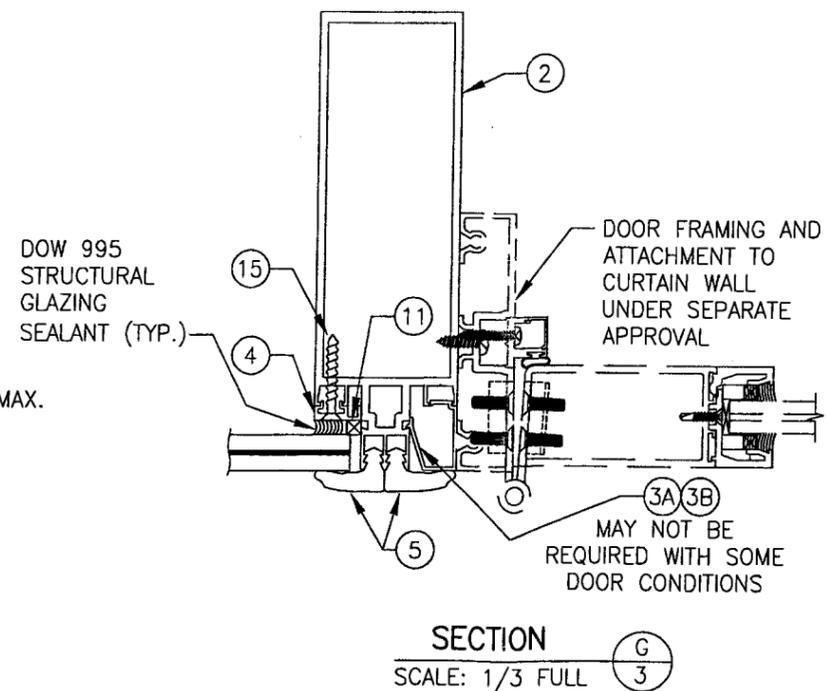
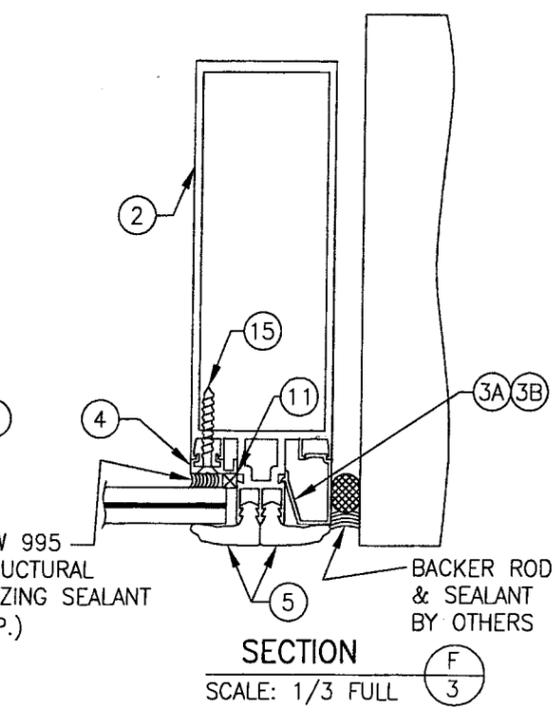
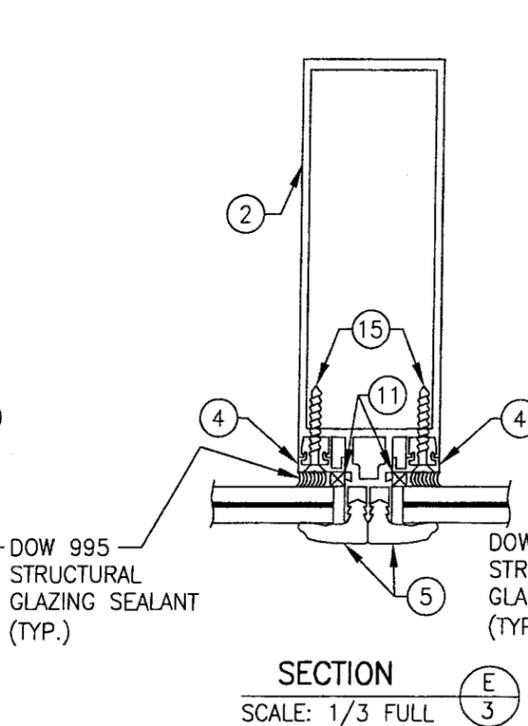
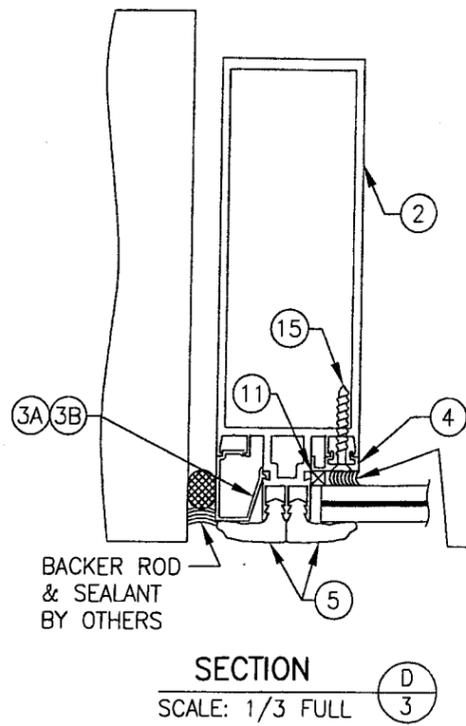
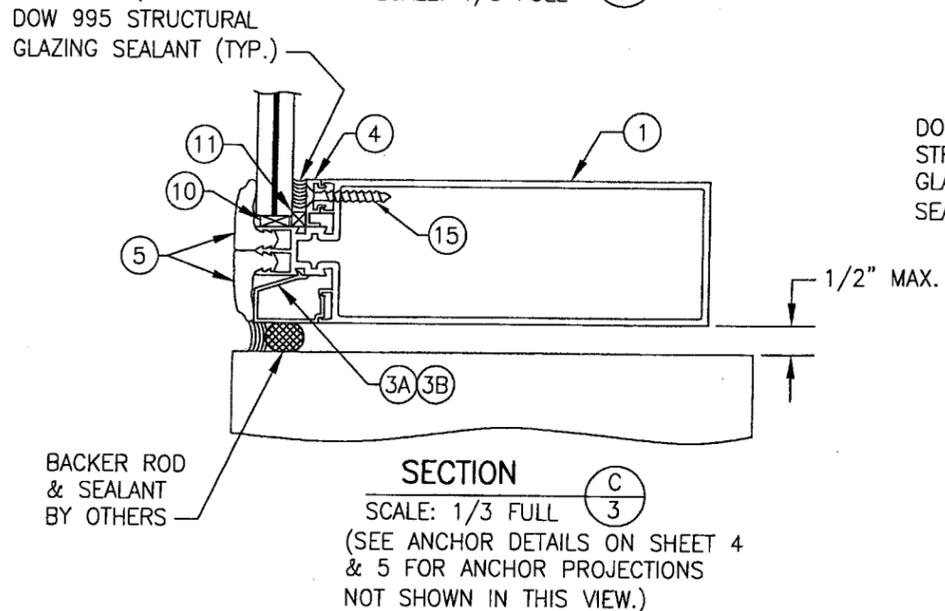
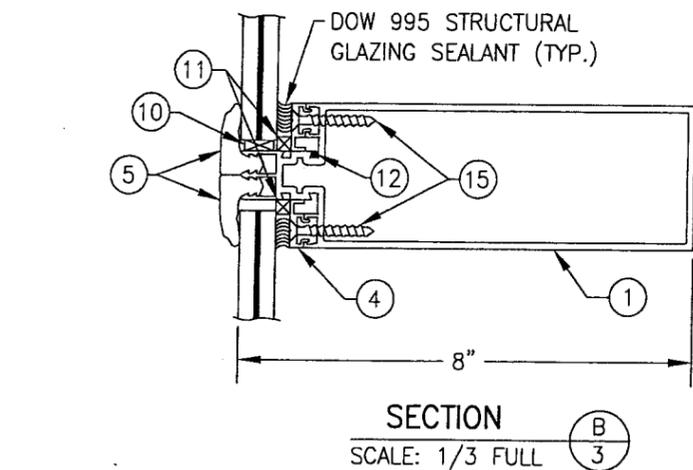
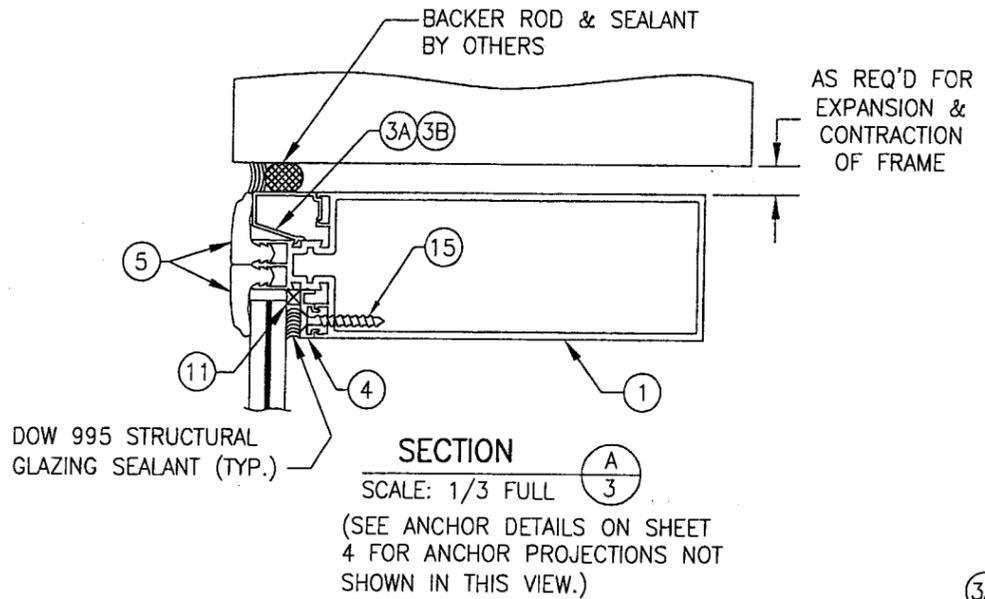
**EXTERIOR ELEVATION  
CURTAIN WALL WITH DOOR**  
SCALE: 1/2"=1'-0"

NOTE: THIS ELEVATION SHOWS THE 5800 CURTAIN WALL SYSTEM IN A MULTI-STORY APPLICATION WITH A DOOR OPENING. DIMENSIONAL RESTRICTIONS ARE AS SHOWN IN THE ELEVATION. FOR AREA ABOVE DOOR AND FOR SINGLE SPAN MULLION CONDITION, REFERENCE OTHER SECTIONS.

**PRODUCT REVISED**  
on complying with the Florida Building Code  
Acceptance No 05-1212.06  
Expiration Date 02/14/2011

By *[Signature]*  
Miami-Dade Product Control Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 04/20/01	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE <b>SERIES 5800 LARGE MISSILE IMPACT CURTAIN WALL (8" DEEP FRAME)</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 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	
<p><b>CERTIFICATION</b></p> <p>NOV 28 2006</p> <p>WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p>			
DRAWING NO. 1048		REV. C	
SHEET NO. 2 OF 7			

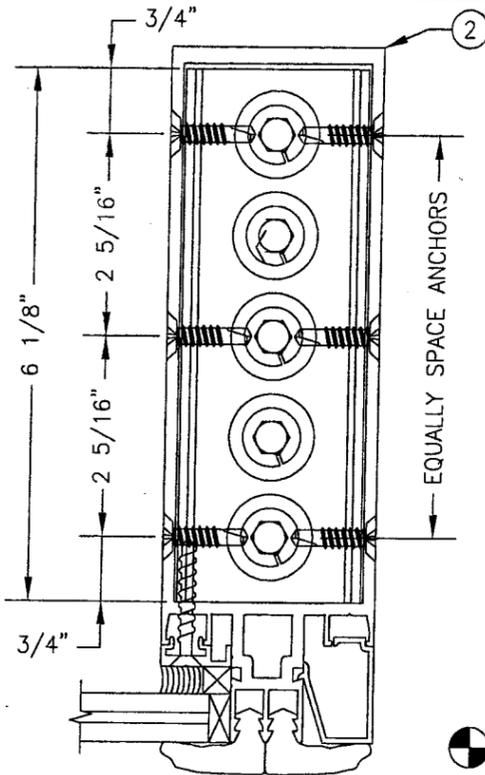


PRODUCT REVISED  
in compliance with the Florida  
Building Code  
Acceptance No. 05-1212.06  
Expiration Date 02/14/2011

By *[Signature]*  
Miami Field Product Control  
Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=3		DATE: 04/20/01	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE SERIES 5800 LARGE MISSILE IMPACT CURTAIN WALL (8" DEEP FRAME)			
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 NOV 28 2006	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. 1048	REV. C		
SHEET NO. 3 OF 7			



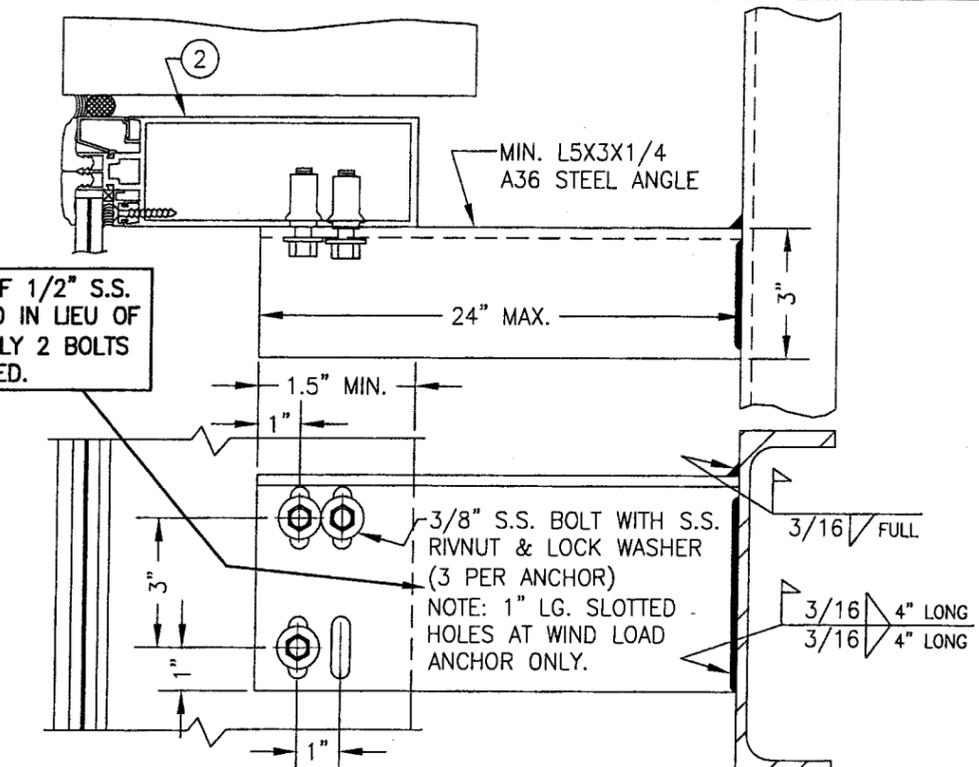
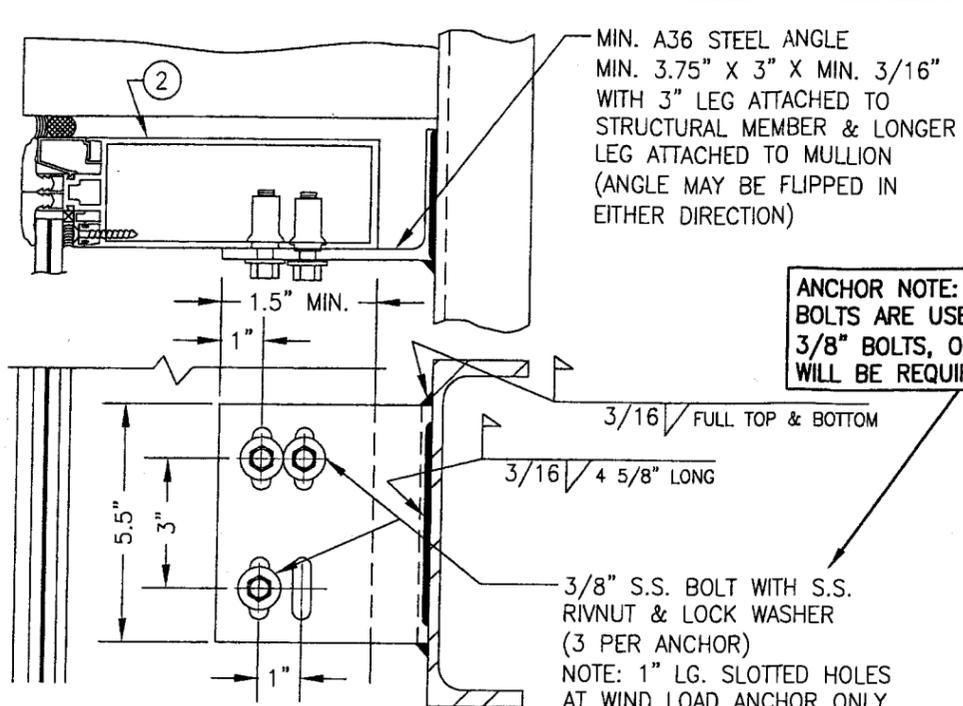


**DEAD LOAD & WIND LOAD**

**ANCHOR DETAIL**

(TYP. AT JAMB MULLIONS)

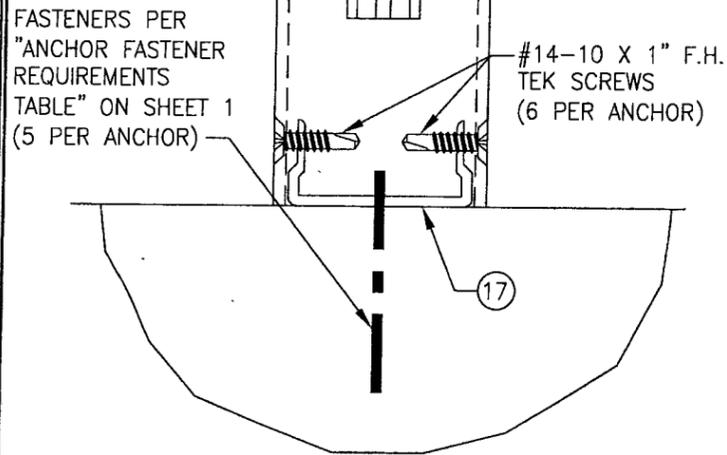
(WIND LOAD ANCHOR HAS 1" LONG SLOTS FOR VERTICAL MOVEMENT)



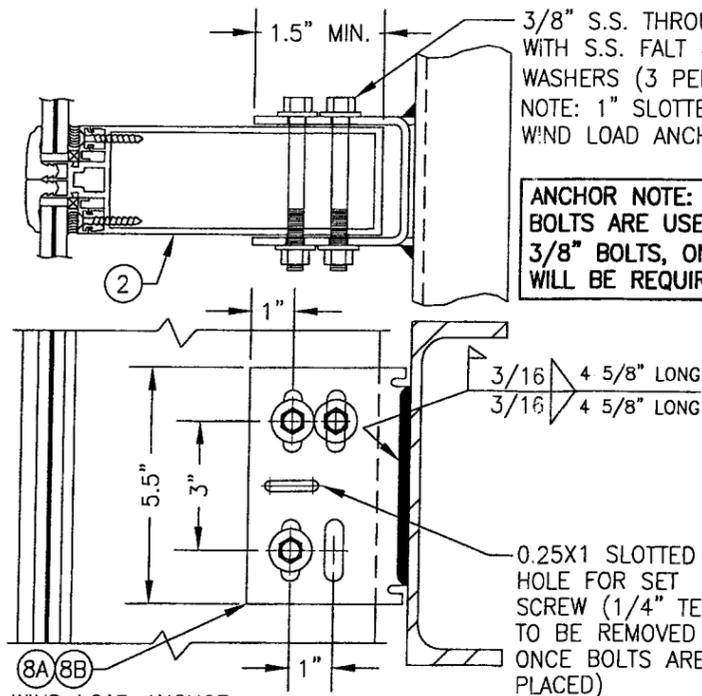
**EXTENDED DEAD LOAD & WIND LOAD ANCHOR DETAIL**

(TYP. AT JAMB MULLIONS)

(WIND LOAD ANCHOR HAS 1" LONG SLOTS FOR VERTICAL MOVEMENT)



**DOOR JAMB MULLION SHEAR BLOCK ANCHOR DETAIL**



**DEAD LOAD & WIND LOAD ANCHOR DETAIL**

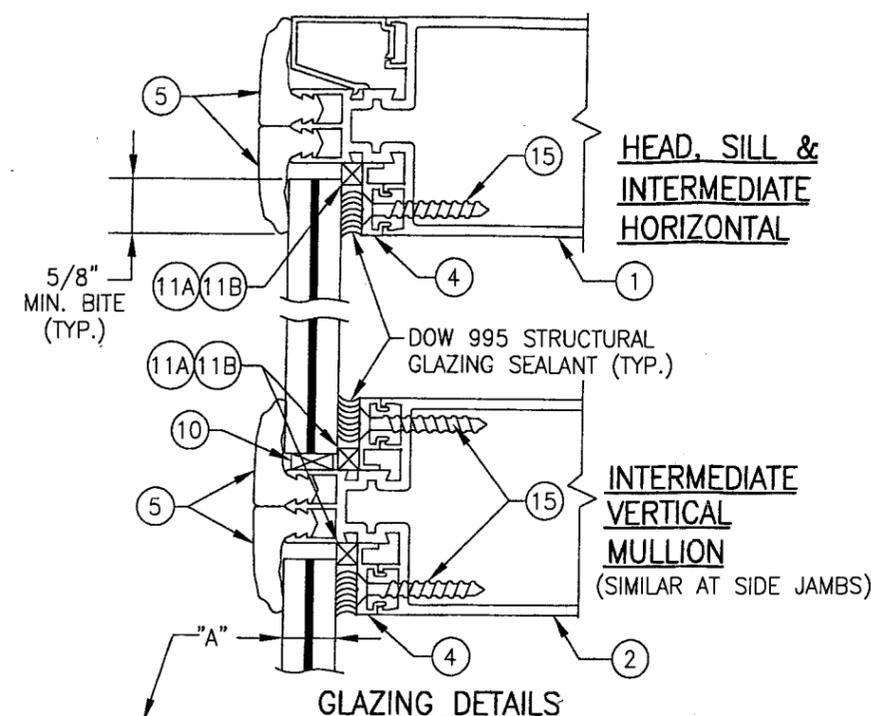
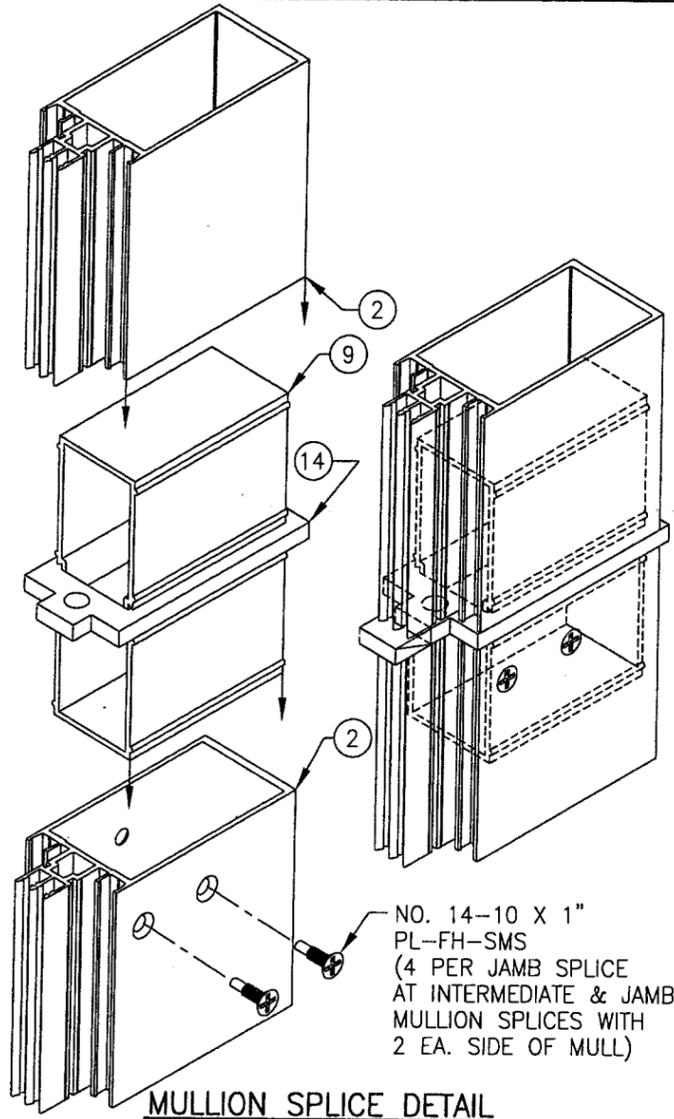
(TYP. AT INTERMEDIATE MULLIONS)

(WIND LOAD ANCHOR HAS 1" LONG SLOTS FOR VERTICAL MOVEMENT)

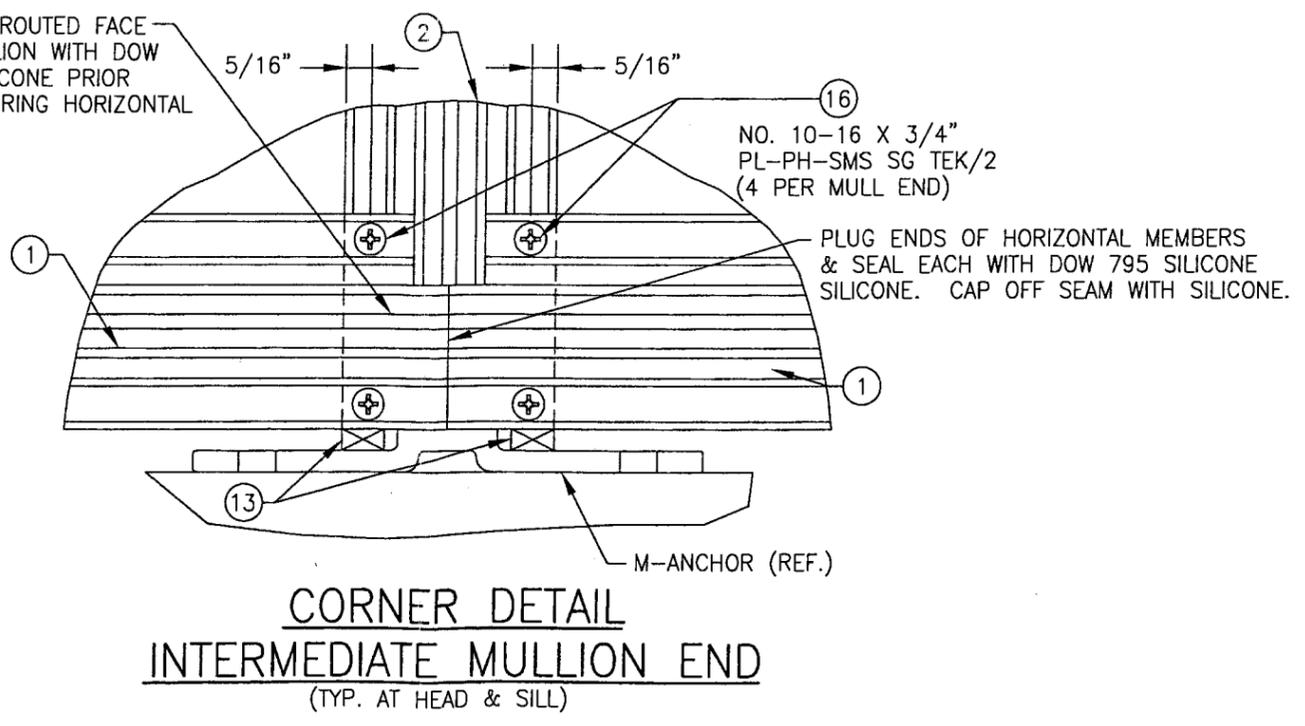
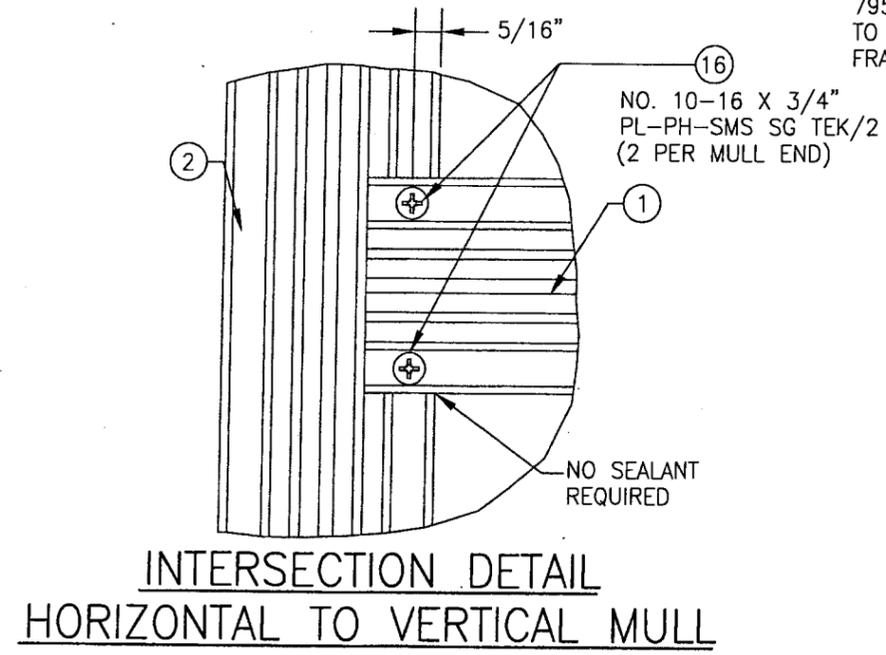
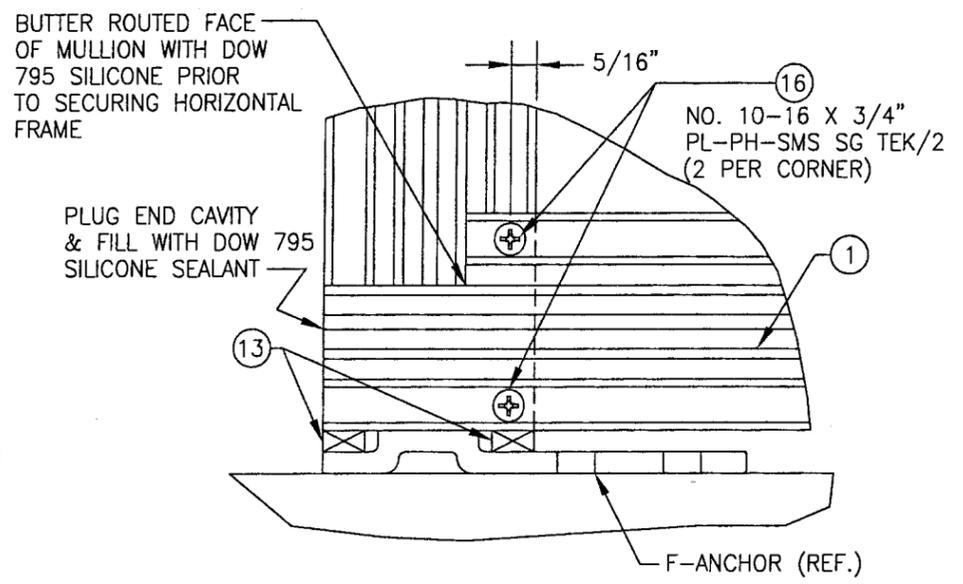
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 05-1212.06  
Expiration Date 02/14/2011

By *[Signature]*  
Miami Dade Product Control  
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 04/20/01
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE <b>SERIES 5800 LARGE MISSILE IMPACT CURTAIN WALL (8" DEEP FRAME)</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b>	MANUFACTURER <b>EFCO CORPORATION</b>
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 <b>NOV 28 2006</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1048</b>	REV. <b>C</b>
SHEET NO. <b>5 OF 7</b>	



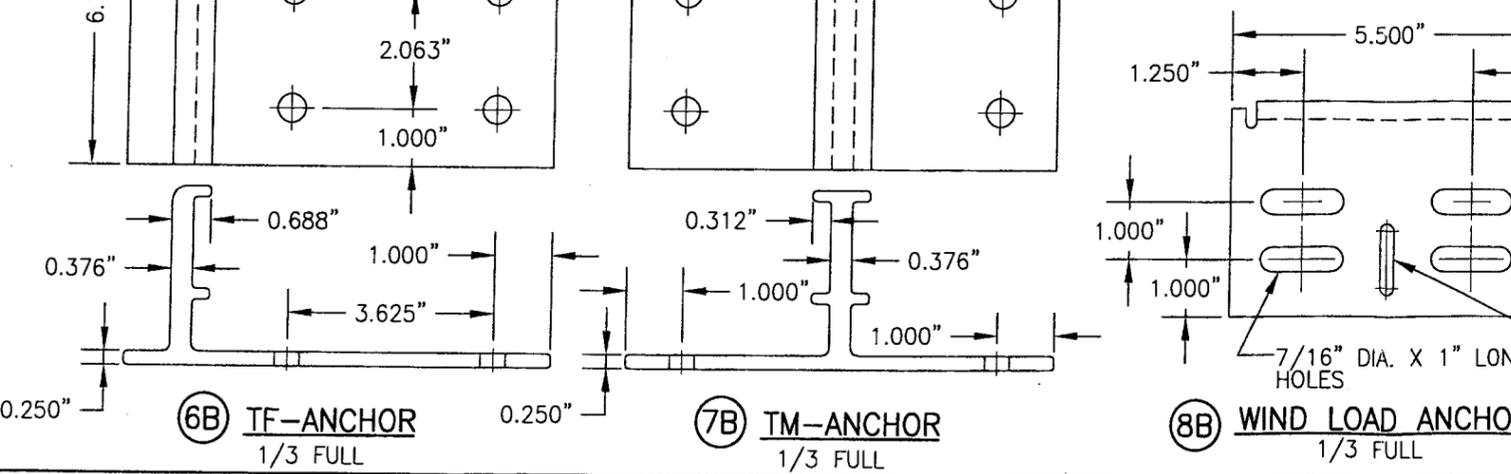
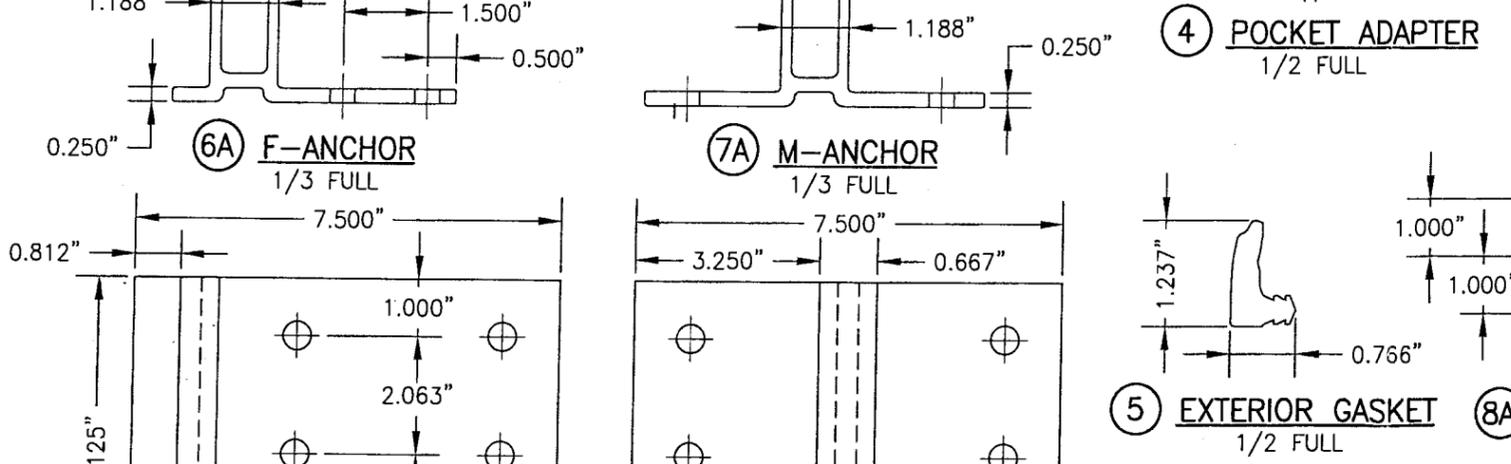
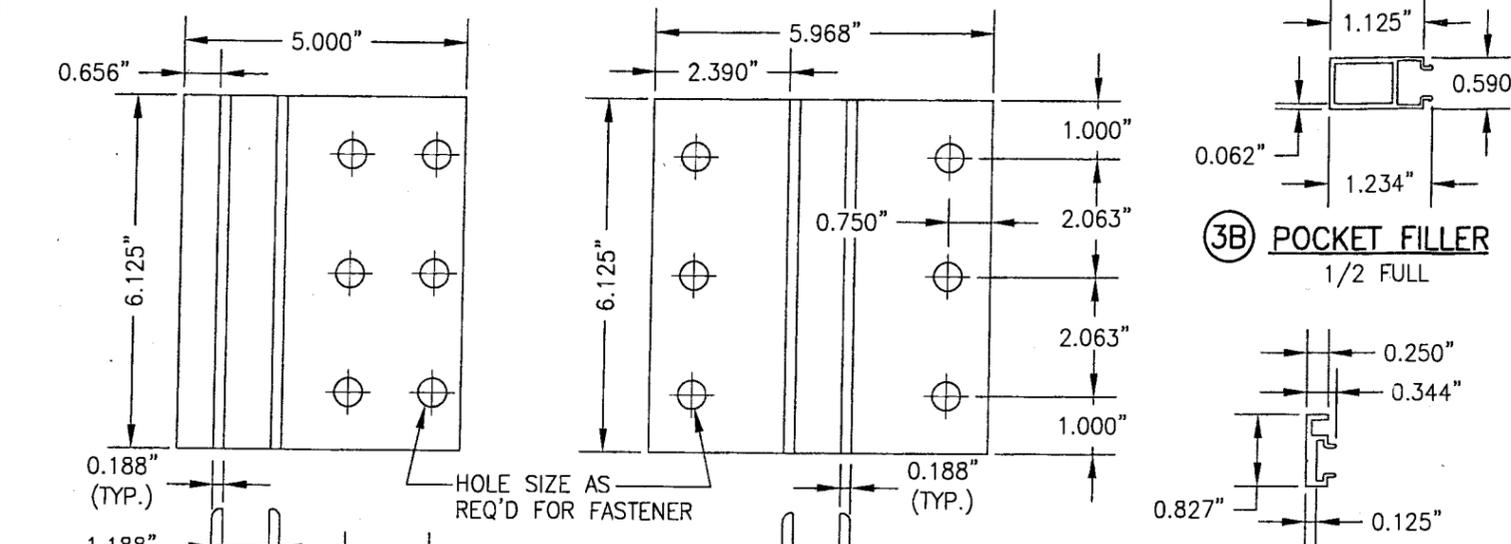
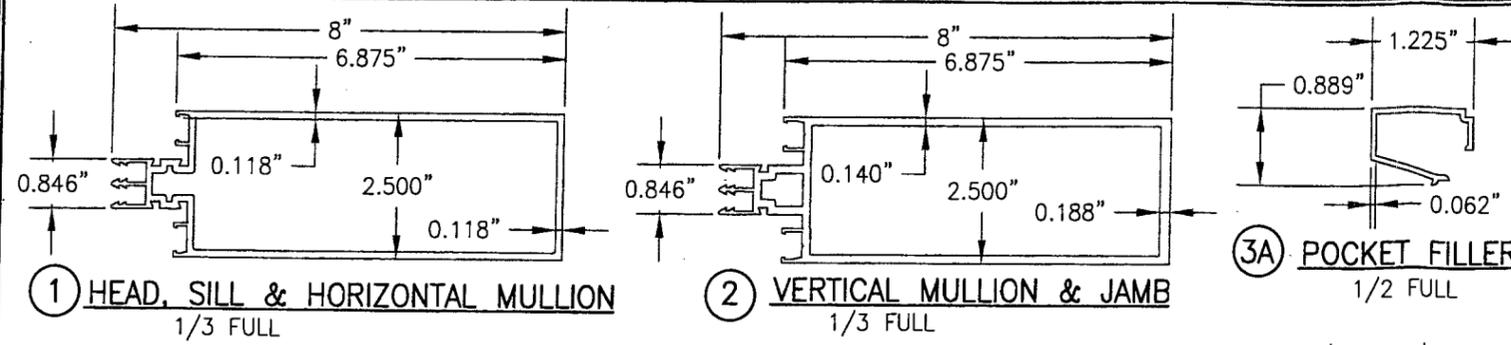
- 1) 5/8" VIRACON HRG2: 1/4" HT. ST./0.05 URETHANE/0.08 POLYCARBONATE/0.05 URETHANE/1/4" HT. ST.
- 2) 9/16" GLOBE AMERADA CHEM TEMP: 3/16" CHEM TEMP/0.035 URETHANE 0.118 POLYCARBONATE/0.035 URETHANE/3/16 CHEM TEMP
- 3) 9/16" SECURITY GLASS SAF-GLAS: 1/4" HT. ST./0.011 ALIPHATIC URETHANE/0.07 POLYCARBONATE/0.011 ALIPHATIC URETHANE/1/4" HT. ST.
- 4) 5/8" NEBULA GLASSLAM SAFETY-PLUS: 1/4" HT. ST./0.06 RESIN/0.01 PET/0.06 RESIN/1/4" HT. ST.



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DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 04/20/01
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE <b>SERIES 5800 LARGE MISSILE IMPACT CURTAIN WALL (8" DEEP FRAME)</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A.</b> 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 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>NOV 28 2006</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1048</b>	REV. <b>C</b>
SHEET NO. <b>6 OF 7</b>	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	5581	HEAD, SILL & HORIZONTAL MULLION	EFCO; 6063-T6 ALUMINUM
2	6137	VERTICAL MULLION & JAMB	EFCO; 6063-T6 ALUMINUM
3A	5515	POCKET FILLER	EFCO; 6063-T6 ALUMINUM
3B	3697	POCKET FILLER	EFCO; 6063-T6 ALUMINUM
4	6724	GLAZING POCKET ADAPTER	EFCO; 6063-T6 ALUMINUM
5	WG15	EXTERIOR GASKET (EXTRUDED SILICONE)	LAUREN OR JAMAK
6A	6603	F-ANCHOR	EFCO; 6063-T6 ALUMINUM
6B	3709	TF-ANCHOR	EFCO; 6063-T6 ALUMINUM
7A	6604	M-ANCHOR	EFCO; 6063-T6 ALUMINUM
7B	3708	TM-ANCHOR	EFCO; 6063-T6 ALUMINUM
8A	-	DEAD LOAD ANCHOR	EFCO; A36 MIN. STEEL
8B	-	WIND LOAD ANCHOR	EFCO; A36 MIN. STEEL
9	5531	MULLION SPLICE SLEEVE	EFCO; 6063-T6 ALUMINUM
10	HDR6	.25"X.562"X4" SILICONE SETTING BLOCK	EPG SCR-880
11A	-	1/4"X5/16" POLY FOAM TAPE	NORTON V2200 (W/ 9/16" GLASS)
11B	-	1/4"X1/4" POLY FOAM TAPE	NORTON V2200 (W/ 5/8" GLASS)
12	WDR1	CONDENSATION WICK	PHOENIX ROPE
13	HS01	POLYSTYRENE SHIM	PLYMOUTH PLASTICS
14	-	1/2" THK. MULLION SPLICE GASKET	CLOSED CELL SPUNGE NEOPRENE
15	STL3	#10-16 X 1.5" PL-FH-SMS 410 TEK	2" FROM ENDS & MAX. 6" O.C.
16	SDR1	#10-16 X .75" PL-PH-SMS SG TEK/2	CORNER SCREWS
17	7840	DOOR JAMB SHEAR BLOCK ANCHOR	6063-T6 ALUMINUM

DRAWN BY: W.W.S. CHECKED BY: W.W.S.  
 DATE: 04/20/01  
 PLOT: 1=2

DRAWING TITLE: SERIES 5800 LARGE MISSILE IMPACT CURTAIN WALL (8" DEEP FRAME)

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: NOV 28 2006  
 By: Warren W. Schaefer, P.E.  
 Miami Dade Product Control Division

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DRAWING NO. 1048 REV. C  
 SHEET NO. 7 OF 7