



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**EFCO Corporation
1000 County Road
Monet, 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 5600 - 8" Deep Frame - Aluminum Curtain Wall System – Large Missile Impact

APPROVAL DOCUMENT: Drawing No. 1088, titled "8" Deep Series 5600 Large Missile Impact Curtain Wall System", sheets 1 through 9, dated 01/15/02, with revision A1 dated 01/29/03, 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 Revision 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 revises NOA # 02-0308.10 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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



**NOA No 03-0410.04
Expiration Date: June 27, 2007
Approval Date: May 6, 2004
Page 1**

EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1088**, dated 01/15/02, with revision A1 dated 01/29/03, titled "8" Deep Series 5600 Large Missile Impact Curtain Wall System", sheets 1 through 9, 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 PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Small Missile Impact Test per SFBC, PA 201-94
5) Large Missile Impact Test per SFBC, PA 201-94
6) Cyclic Wind Pressure Loading per SFBC, PA 203-94

along with installation diagram of a multiple span EFCO S5600 - **8" deep** outside glazed aluminum curtain wall system 202" wide x 341" high x 64" return, specimen # **1 (A-A1)**, Glass types: **1, 2, 4, 5, 6A & 8**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-0413-01**, dated 2/16-19/01, signed and sealed by Vinu J. Abraham, P.E. (*NOA02-0308.10*)

2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 203-94

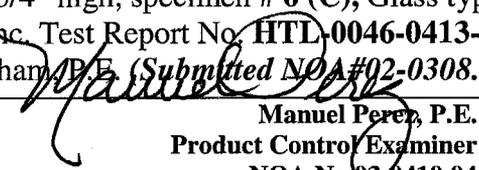
along with installation diagram of a single span EFCO S5600 - **8" deep** outside glazed aluminum curtain wall system 181-1/2" wide x 150" high, specimen # **9 (B1)**, Glass types: **3 & 5**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-0816-01**, dated 8/24-27/01, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA#02-0308.10*)

3. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94

along with installation diagram of a single span EFCO S5600 - **8" deep** outside glazed aluminum curtain wall system 181-1/2" wide x 121-3/4" high, specimen # **3 (B3)**, Glass types: **6 & 7**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-0816-01**, dated 8/14-15/01, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA#02-0308.10*)

4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 203-94

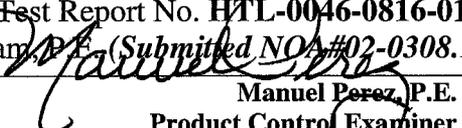
along with installation diagram of a single span EFCO S5600 - **7" deep** outside glazed aluminum curtain wall system 181-1/2" wide x 121-3/4" high, specimen # **6 (C)**, Glass types: **1, 3A & 4**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-0413-01**, dated 4/26-27/01, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA#02-0308.10*)


Manuel Perez, P.E.
Product Control Examiner
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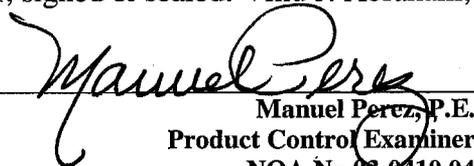
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – 6” deep outsize glazed aluminum curtain wall system 181-1/2” wide x 169-1/4” high, specimen # 2 (D), Glass types: 1, 4 & 5, marked-up by Hurricane Test Laboratory, Inc. Test Report No. HTL-0046-0816-01, dated 8/13-16/01, signed and sealed by Vinu J. Abraham, P.E. (NOA #02-0308.10)
6. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – 8” deep outsize glazed aluminum curtain wall system 181-1/2” wide x 121-3/4” high, specimen # 4 (E), Glass type: 5, marked-up by Hurricane Test Laboratory, Inc. Test Report No. HTL-0046-0816-01, dated 8/16-17/01, signed and sealed by Vinu J. Abraham, P.E. (Submitted under NOA#02-0308.10)
7. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Small Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – 8” deep outsize glazed aluminum curtain wall system 181-1/2” wide x 121-3/4” high, specimen # 1 (F), Glass type: 2, marked-up by Hurricane Test Laboratory, Inc. Test Report No. HTL-0046-0517-01, dated 5/11-17/01, signed and sealed by Vinu J. Abraham, P.E. (Submitted under NOA#02-0308.10)
8. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Small Missile Impact Test per SFBC, PA 201-94
5) Large Missile Impact Test per SFBC, PA 201-94
6) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – 8” deep outsize glazed aluminum curtain wall system 181-1/2” wide x 116” high, specimen # 5 (G), Glass types: 2, 4 & 5, marked-up by Hurricane Test Laboratory, Inc. Test Report No. HTL-0046-0816-01, dated 8/20/01, signed and sealed by Vinu J. Abraham, P.E. (Submitted NOA#02-0308.13)
9. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Small Missile Impact Test per SFBC, PA 201-94
4) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – 8” deep outsize glazed aluminum curtain wall system 181-1/2” wide x 150” high, specimen # 6b (H), Glass types: 2, 4 & 5, marked-up by Hurricane Test Laboratory, Inc. Test Report No. HTL-0046-0816-01, dated 8/21-23/01, signed and sealed by Vinu J. Abraham, P.E. (Submitted NOA#02-0308.10)


Manuel Perez, P.E.
Product Control Examiner
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10. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Small Missile Impact Test per SFBC, PA 201-94
4) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – **6” deep** outsize glazed aluminum curtain wall system 181-1/2” wide x 98” high, specimen # **8 (J)**, Glass types: **1, 2 & 5**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-0816-01**, dated 8/23-24/01, signed and sealed by Vinu J. Abraham, P.E. (**Submitted NOA#02-0308.10**)
11. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Small Missile Impact Test per SFBC, PA 201-94
4) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – **8” deep** outsize glazed aluminum curtain wall system 181-1/2” wide x 150” high, specimen # **6a (K)**, Glass types: **2, 4 & 5**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-0816-01**, dated 8/21-23/01, signed and sealed by Vinu J. Abraham, P.E. (**Submitted NOA#02-0308.10**)
12. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Water Resistance Test, per PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – **6” deep** outsize glazed aluminum curtain wall system 181-1/2” wide x 112” high, specimen # **7 (L)**, Glass type: **5**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-0816-01**, dated 8/21-22/01, signed and sealed by Vinu J. Abraham, P.E. (**Submitted under NOA#02-0308.10**)
13. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – **8” deep** outsize glazed aluminum curtain wall system 181-1/2” wide x 121-3/4” high, specimen # **1 (M)**, Glass type: **6a**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-1004-01**, dated 10/17/01, signed and sealed by Vinu J. Abraham, P.E. (**Submitted under NOA#02-0308.10**)
14. Test reports on 1) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 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 F**, dated 12/12-13/01, signed & sealed: Vinu J. Abraham, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0410.04

Expiration Date: June 27, 2007
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EFCO Corporation

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15. Test reports on 1) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 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-0046-0315-02, Elev. H**, dated 3/19-25/03, signed & sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS:

1. Anchor calculations and structural analysis, dated 01/30/02, with addendum letters dated 04/23/02, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (*Submitted under NOA#02-0308.10*)
2. Anchor calculations and structural analysis, dated 01/27/03 and 04/07/04, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed & sealed: Warren W. Schaefer, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS (*Submitted under NOA#02-0308.10*)

1. Notice of Acceptance No. **98-0608.03** issued to **E.I. DuPont DeNemours** for "**Sentry Glass Plus**" dated 01/14/99, expiring on 01/14/02.
2. Notice of Acceptance No. **99-0930.01** issued to **Security Impact Glass Holdings L.L.C.** for "**SAF - GLAS**" dated 12/16/99, expiring on 12/16/02.
3. Notice of Acceptance No. **00-0509.06** issued to **Viracon, Inc.** for "**StormGuard (laminate)**" dated 01/25/01, expiring on 04/14/03.
4. Proposal No. **01-0092**, acceptance letter dated July 30, 2001, issued by this Office and signed by Jaime Gascon.

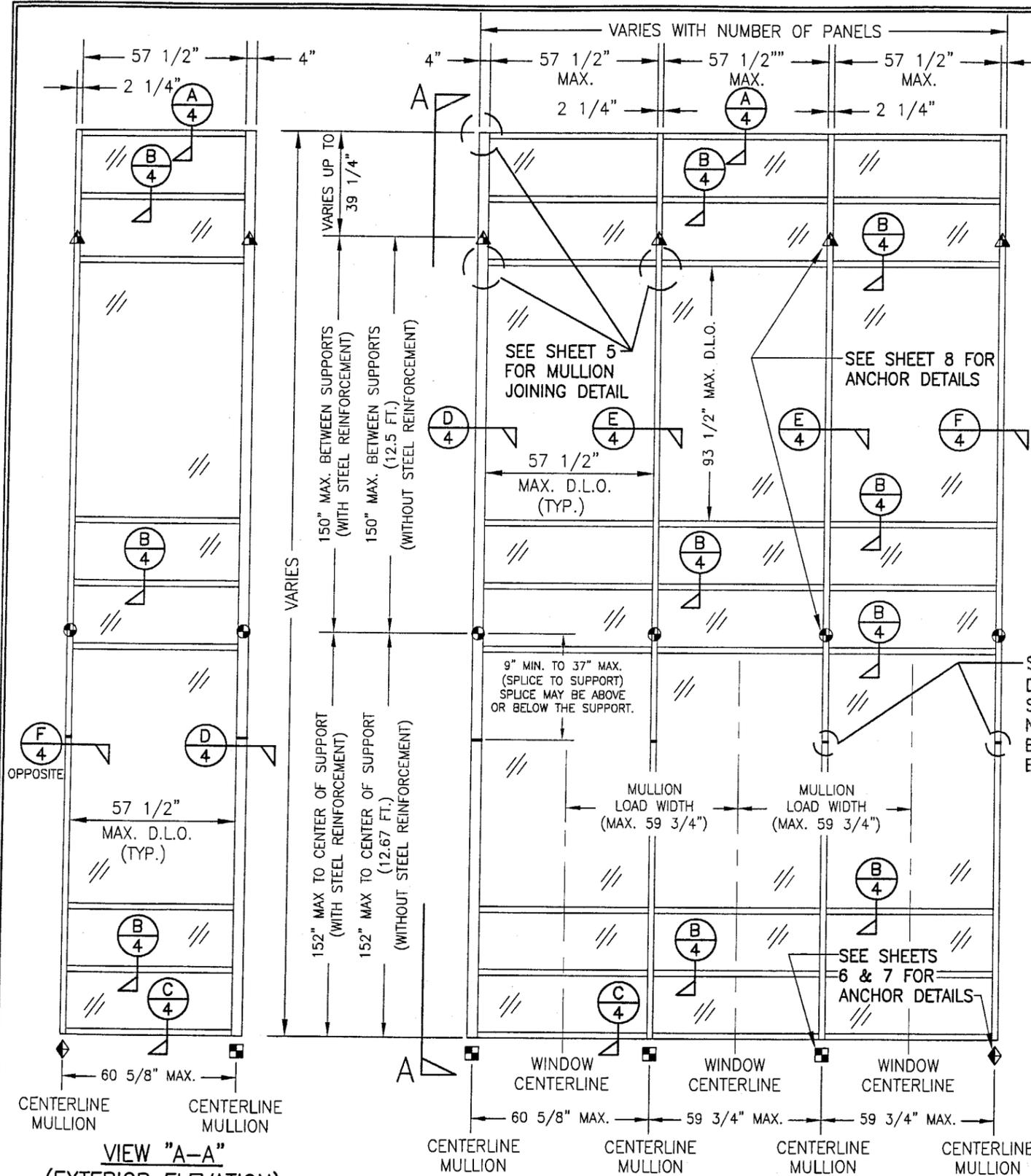
F. STATEMENTS (*Submitted under NOA#02-0308.10*)

1. Statement letter of conformance, dated February 11, 2002, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, February 11, 2002, signed and sealed by Warren W. Schaefer P.E.
3. Laboratory compliance letter for Test Reports No. **HTL-0046-0413-01, HTL-0046-0517-01 & HTL-0046-0816-01** issued by Hurricane Test Laboratory, Inc., dated October 23, 2001, signed and sealed by Vinu J. Abraham, P.E.

G. OTHER

1. Notice of Acceptance No. **02-0308.10**, issued to EFCO Corporation for their Series 5800 - 8" Deep Frame" Aluminum Curtain Wall System - Large Missile Impact, approved on 06/27/02 and expiring on 06/27/07.


Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0410.04
Expiration Date: June 27, 2007
Approval Date: May 6, 2004



VIEW "A-A"
(EXTERIOR ELEVATION)

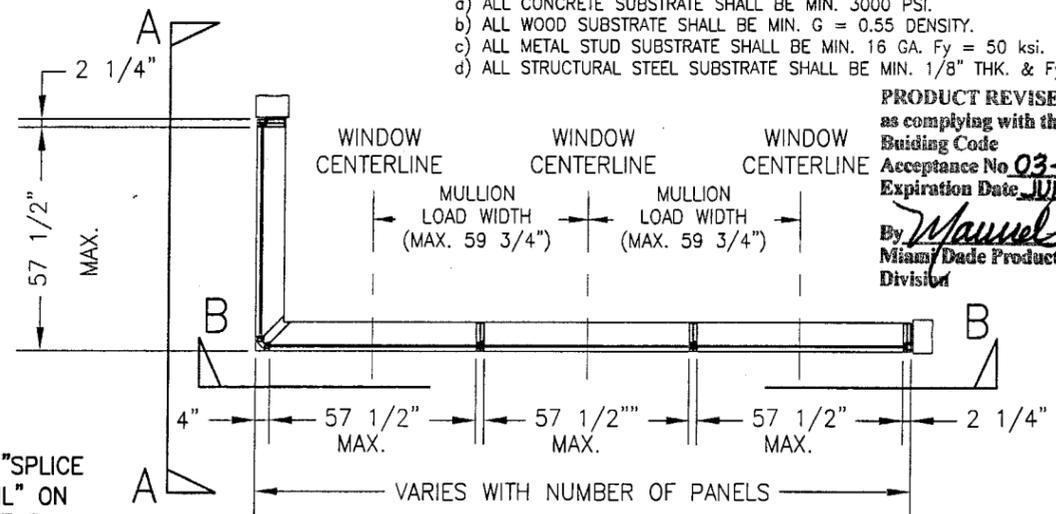
ONLY ONE ROW SHOWN; MORE THAN ONE ROW MAY BE INSTALLED

ALLOWABLE DESIGN LOADS
SEE LOAD TABLES ON SHEETS 2 & 3

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

NOTE: THIS ELEVATION SHOWS THE 5600 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

- ◆ = F OR TF-ANCHOR
- = M OR TM-ANCHOR
- = DEAD LOAD ANCHOR
- ▲ = WIND LOAD ANCHOR
- ⊙ = DOOR JAMB MULLION SHEAR BLOCK ANCHOR



PLAN VIEW
CURTAIN WALL WITH MULTIPLE VERTICAL SPANS
SCALE: 1/4"=1'-0"

GENERAL NOTES

1. THESE CURTAIN WALL 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 PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
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 DADE COUNTY PROTOCOLS PA 201, 202 & 203 FOR IMPACT REQUIREMENTS.
5. THESE CURTAIN WALL SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (F.B.C.).
6. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND FINISH OR STUCCO.
7. THERE SHALL BE NO LIMIT TO THE NUMBER OF HORIZONTAL & VERTICAL PANELS USED FOR ANY JOB PROVIDING ALL RESTRICTIONS ARE MET PER THE ELEVATIONS.
8. ALL SUBSTRATE SHALL HAVE THE FOLLOWING MINIMUM REQUIREMENTS.
 - a) ALL CONCRETE SUBSTRATE SHALL BE MIN. 3000 PSI.
 - b) ALL WOOD SUBSTRATE SHALL BE MIN. G = 0.55 DENSITY.
 - c) ALL METAL STUD SUBSTRATE SHALL BE MIN. 16 GA. Fy = 50 ksi.
 - d) ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. 1/8" THK. & Fy = 36 ksi.

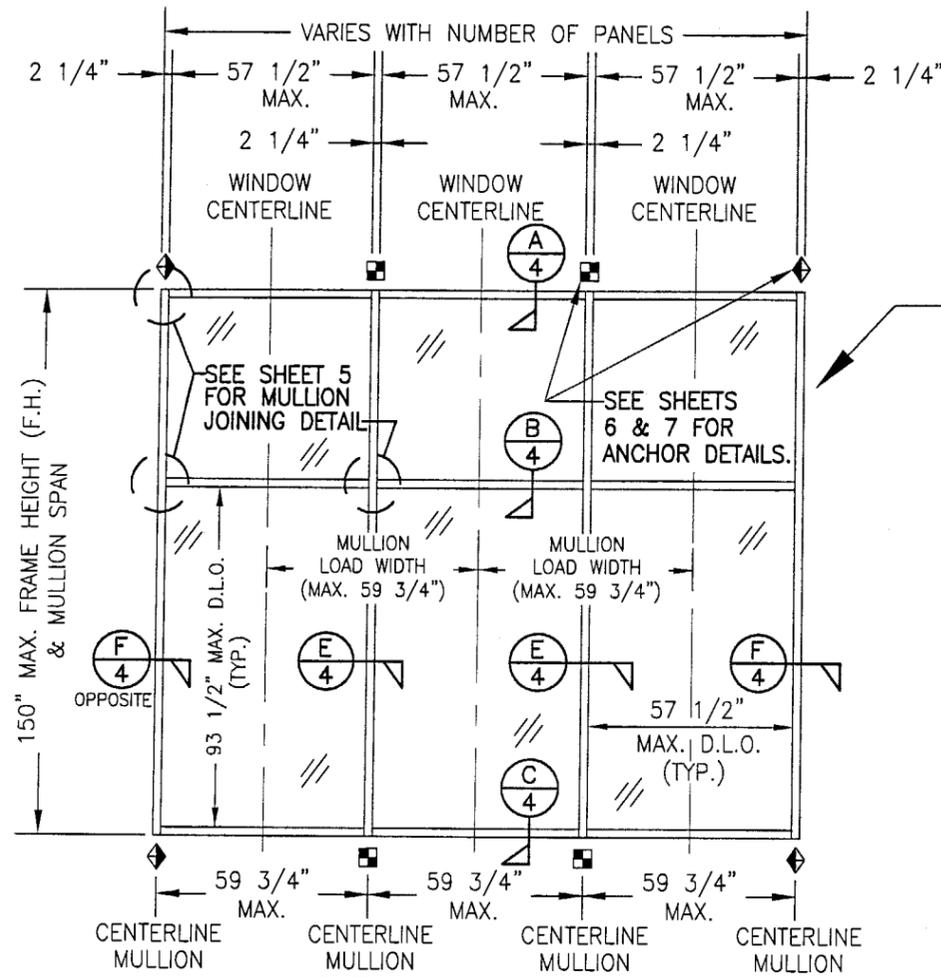
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No **03-0410.04**
Expiration Date **JUNE 27, 2007**
By *Manuel Jerez*
Miami Dade Product Control Division

"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.
		SHEAR BLOCK ANCHORS	F, TF, M & TM ANCHORS		
WOOD	(1) 1/2" LAG SCREW	N/A	6	(2) 3"	1"
MIN. 16 GA. STUD	NO. 14 TEK SCREW	5	6	FULL	1/2"
STRUCT. STEEL MIN. 1/8" THK.	NO. 14 TEK SCREW	5	4	FULL	1/2"
CONCRETE	3/8" HILTI KWIK BOLT II S.S. EXPANSION ANCHOR OR 3/8" S.S. RAWL POWER-BOLT	N/A	4	2 1/2"	(3) 3"
CONCRETE	1/2" HILTI KWIK BOLT II S.S. EXPANSION ANCHOR OR 1/2" S.S. RAWL POWER-BOLT	2	N/A	3 1/2"	(4) 5 1/8"

- (1) PREDRILL REQUIRED SIZE HOLES IN WOOD FOR PLACEMENT OF LAG SCREWS.
- (2) LAG SCREW EMBEDMENT INTO WOOD FOR F, TF, M & TM ANCHORS MUST BE MIN. 4" WHEN THE "MULLION LOAD WIDTH" EXCEEDS 59 3/4" (3" FOR ALL OTHER ANCHORS).
- (3) EDGE DISTANCE FOR 3/8" BOLTS INTO CONCRETE MAY BE REDUCED TO 2 1/2" WHEN RAWL POWER BOLTS ARE USED.
- (4) EDGE DISTANCE FOR 1/2" BOLTS INTO CONCRETE MAY BE REDUCED TO 3" WHEN RAWL POWER BOLTS ARE USED.

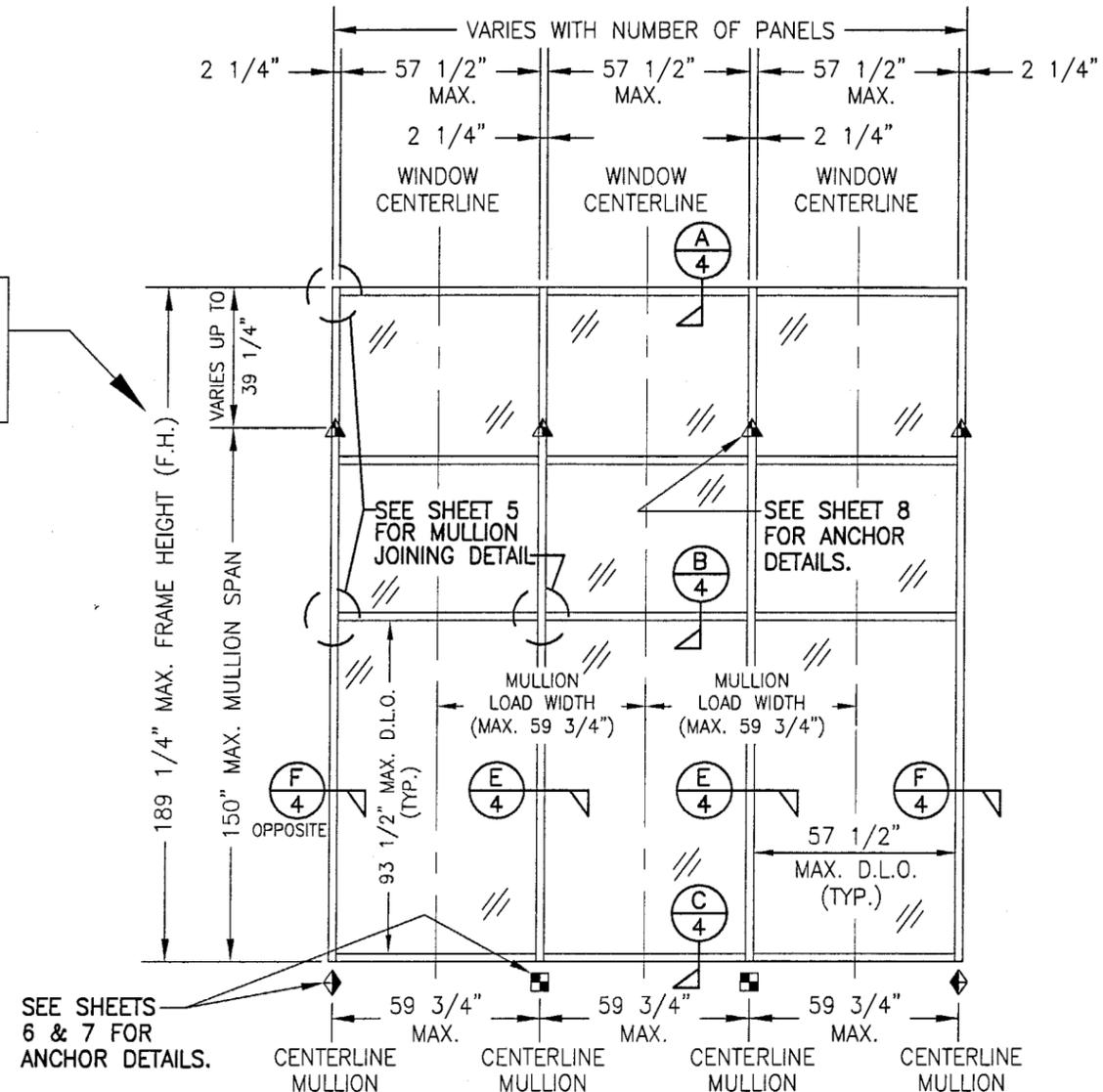
DRAWING NO.	1088	REV.	A	SHEET NO.	9
DRAWING TITLE		8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM			
DRAWING DATE		01/29/03			
DRAWN BY		W.W.S.			
CHECKED BY		W.W.S.			
DATE		01/15/02			
NO.		A1			
REVISION DESCRIPTION		ADDED DOOR OPENING CONDITION & EDITED LOAD TABLES TO INCORPORATE DOOR CONDITION			
BY		K.P.S.			
DATE					
MANUFACTURER		EFCO CORPORATION			
CONSULTANTS		W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
ADDRESS		1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169			
PHONE		561-775-4902 FAX: 561-775-4903			
CERTIFICATION		APR 07 2004			
SIGNATURE		<i>Warren W. Schaefer</i>			
NAME		WARREN W. SCHAEFER, P.E.			
NO.		P.E. NO. 44135			



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

NOTE: THIS ELEVATION SHOWS THE 5600 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.

NOTE: THE ELEVATIONS ON THIS SHEET MAY HAVE A 90 DEGREE TURN AS SHOWN ON SHEET 1 ELEVATION OF THE MULTI-SPAN SYSTEM. REF. VIEW "A-A" ON SHEET 1 FOR DETAIL.



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

NOTE: THIS ELEVATION SHOWS THE 5600 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.

- ◆ = F OR TF-ANCHOR
- = M OR TM-ANCHOR
- = DEAD LOAD ANCHOR
- ▲ = WIND LOAD ANCHOR
- ⊙ = DOOR JAMB MULLION SHEAR BLOCK ANCHOR

ALLOWABLE DESIGN PRESSURE ON GLASS "D" & "F"
GLASS "D" = 1" I.G. GLASS (7/16" LAMINATED HEAT STRENGTHENED SECURITY SAFGLAS AT INBOARD LIGHT, 3/8" AIR GAP AND 3/16" HEAT STRENGTHENED SINGLE PANE GLASS AT OUTBOARD LIGHT)
GLASS "F" = 1" I.G. GLASS (7/16" LAMINATED HEAT STRENGTHENED OLDCASTLE GLASS AT INBOARD LIGHT, 3/8" AIR GAP AND 3/16" HEAT STRENGTHENED SINGLE PANE GLASS AT OUTBOARD LIGHT)

(1) SHORT D.L.O.	DESIGN LOAD CAPACITY (POSITIVE & NEGATIVE PSF)						
40.5"	90.0	90.0	90.0	90.0	90.0	90.0	90.0
42.5"	90.0	90.0	90.0	90.0	90.0	90.0	88.6
48.5"	90.0	90.0	90.0	87.6	80.6	76.1	74.0
54.5"	90.0	90.0	86.0	79.1	73.6	68.2	65.7
57.5"	90.0	89.9	82.5	76.3	70.4	65.3	63.2
(1) LONG D.L.O.	60.5"	66.5"	72.5"	78.5"	84.5"	90.5"	93.5"

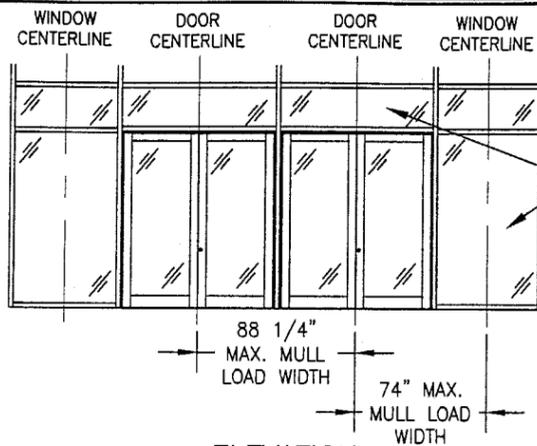
ALLOWABLE DESIGN PRESSURE ON GLASS "A", "B", "C" & "E"

GLASS "A" = 9/16" VIRACON STORM GAURD LAMINATED GLASS (1/4" HT.ST./0.10 SOLUTIA SAFLEX HP/1/4" HT.ST.)
 GLASS "B" = 9/16" VIRACON SENTRY GLASS PLUS LAMINATED GLASS (1/4" HT.ST./0.09 SGP/1/4" HT.ST.)
 GLASS "C" = 9/16" SECURITY SAFGLAS LAMINATED GLASS (1/4" HT.ST./0.015 ADHESIVE/0.07 POLYCARBONATE/0.015 ADHESIVE/1/4" HT.ST.)
 GLASS "E" = 9/16" OLDCASTLE LAMINATED GLASS (1/4" HT. ST./0.075 STORMGLASS/1/4" HT. ST.)

+90/-90 PSF

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. **03-0410.04**
Expiration Date **JUNE 27, 2007**
By *Manuel...*
Miami Dade Product Control Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	PLOT: 1=48	DATE: 01/15/02
NO.	REVISION DESCRIPTION	DATE	BY
8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM 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		DRAWING TITLE: 8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
CERTIFICATION: APR 07 2004 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1088 REV. A SHEET NO. 2 OF 9	



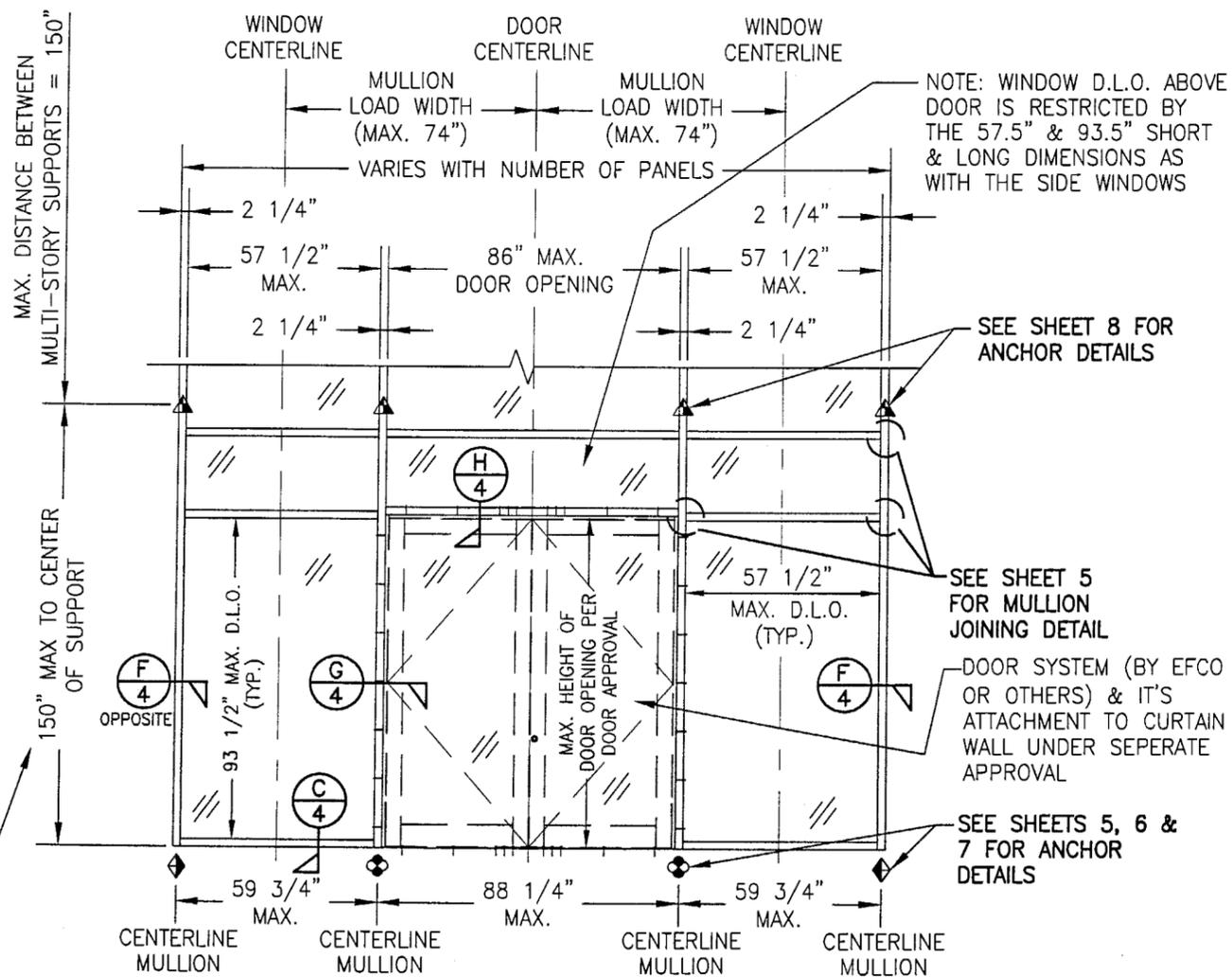
NOTE: ALL WINDOW D.L.O.'S ARE RESTRICTED BY THE 57.5" & 93.5" SHORT & LONG DIMENSIONS AS WITH THE OTHER ELEVATIONS

ELEVATION

NOT TO SCALE

(2 SIDE BY SIDE DOUBLE DOORS IN CURTAIN WALL)

NOTE: CONDITIONS SHOWN ALSO APPLY TO SINGLE PANEL DOOR CONDITIONS.



**EXTERIOR ELEVATION
CURTAIN WALL WITH DOOR**

SCALE: 1/4"=1'-0"

NOTE: THIS ELEVATION SHOWS THE 5600 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.

NOTE: THE ELEVATION ON THIS SHEET MAY HAVE A 90 DEGREE TURN AS SHOWN ON SHEET 1 ELEVATION OF THE MULTI-SPAN SYSTEM. REF. VIEW "A-A" ON SHEET 1 FOR DETAIL.

THIS DIMENSION ALSO APPLIES TO SINGLE VERTICAL SPAN CONDITION AS THE MAX. HEIGHT.

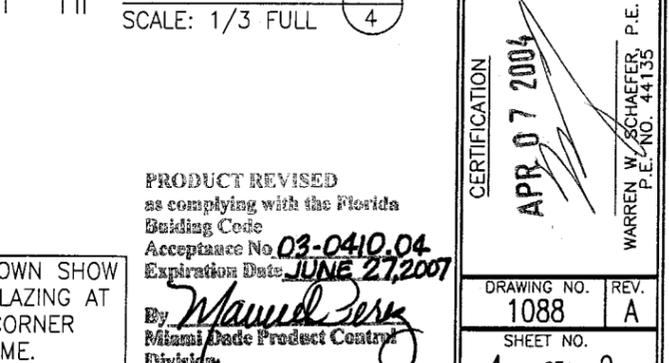
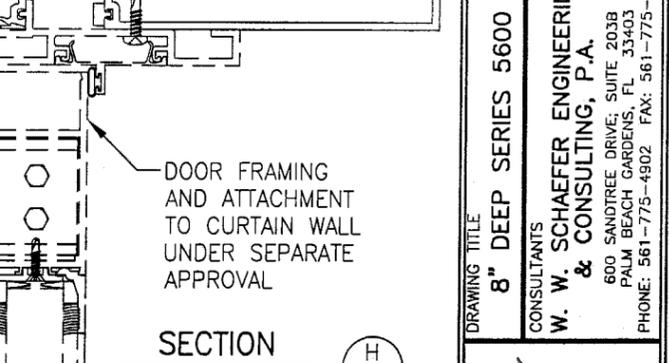
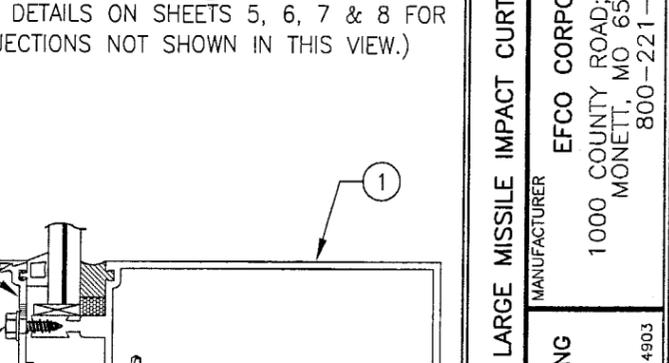
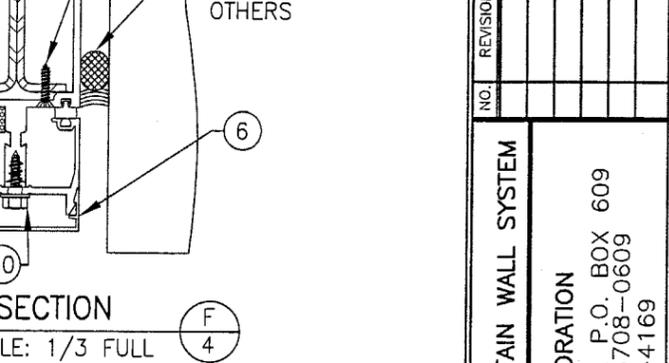
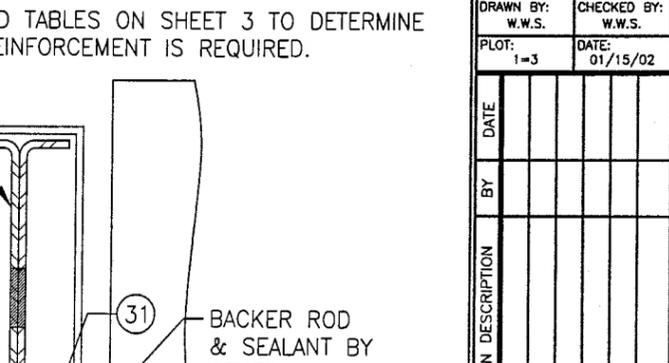
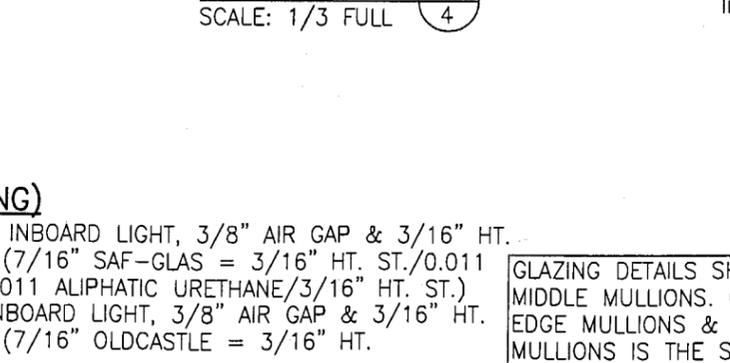
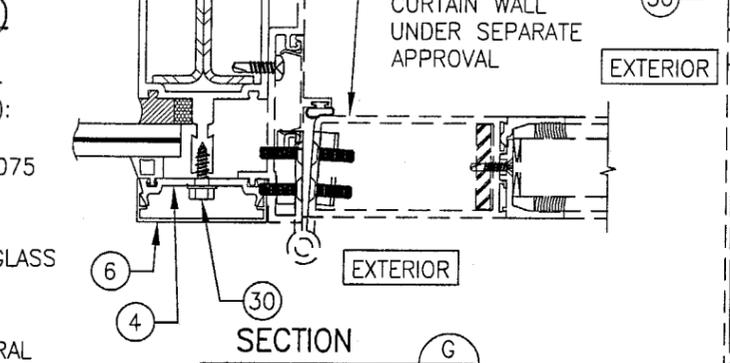
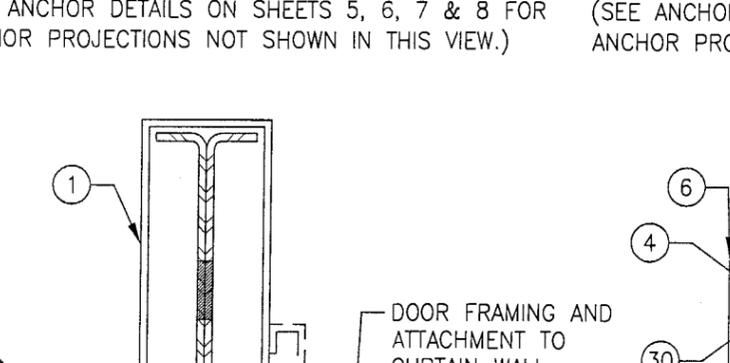
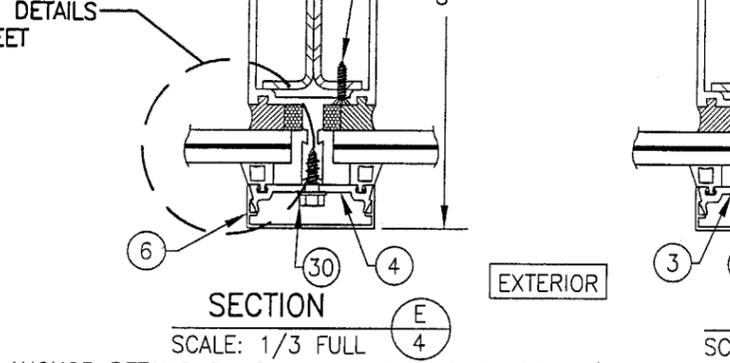
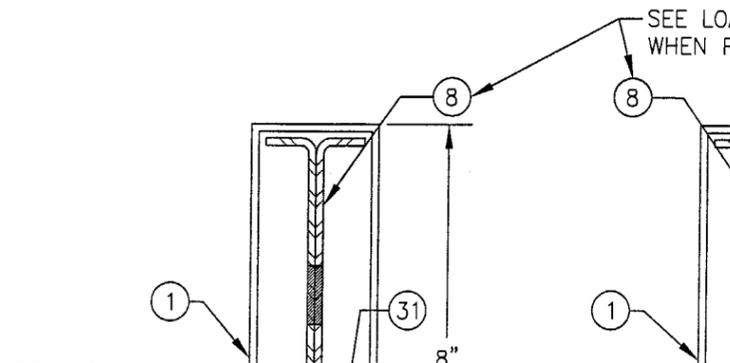
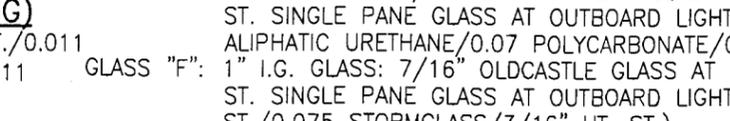
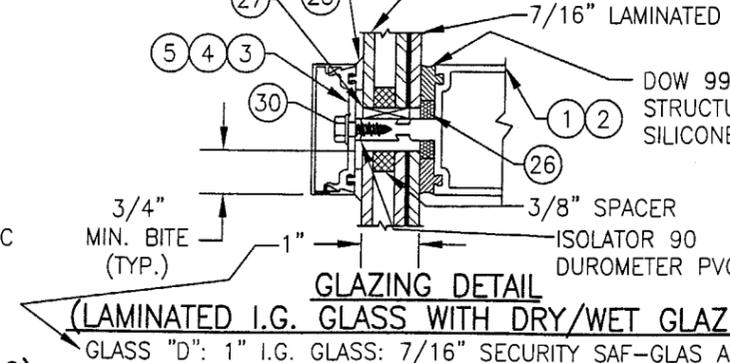
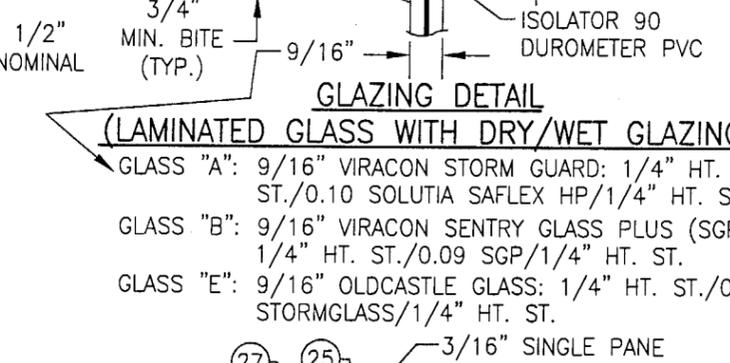
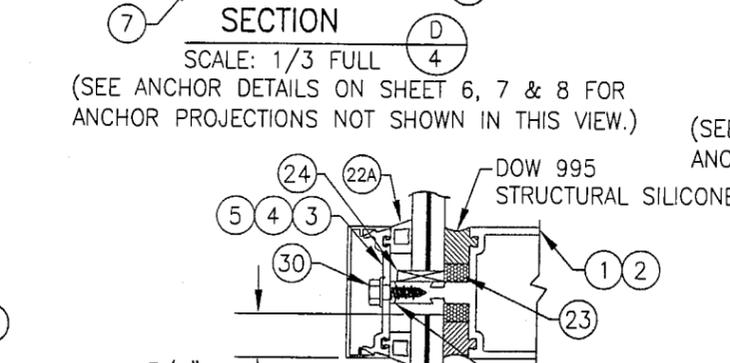
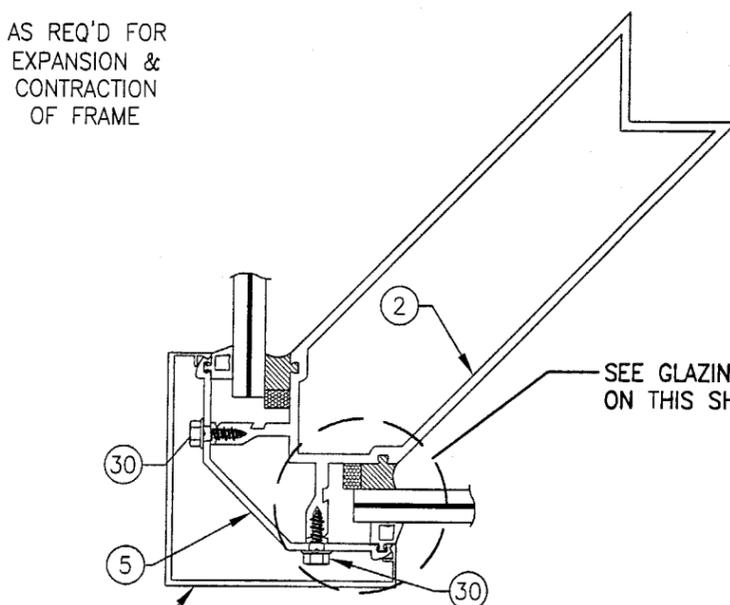
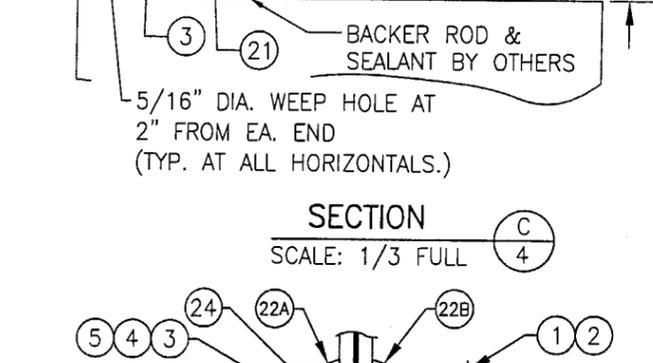
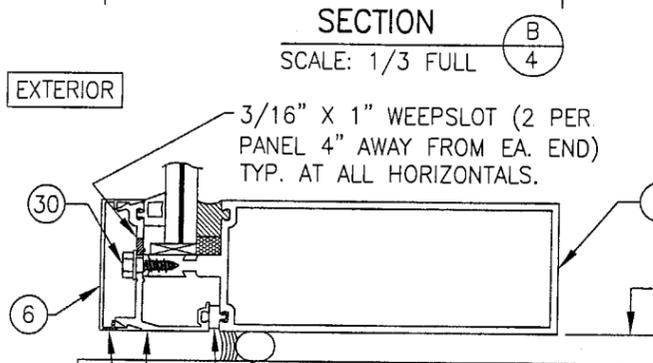
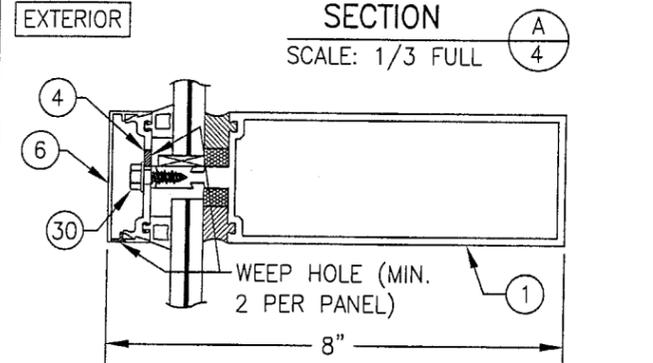
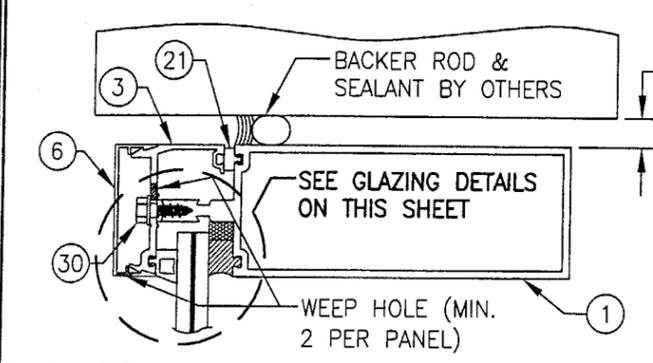
ALLOWABLE FRAMING DESIGN PRESSURES

WITHOUT REINFORCMENT IN MULLIONS			WITHOUT REINFORCMENT IN MULLIONS		
VERTICAL DISTANCE BETWEEN SUPPORTS	MAXIMUM MULLION LOAD WIDTH	ALLOWABLE DESIGN LOAD	VERTICAL DISTANCE BETWEEN SUPPORTS	MAXIMUM MULLION LOAD WIDTH	ALLOWABLE DESIGN LOAD
		POSITIVE & NEGATIVE (PSF)			POSITIVE & NEGATIVE (PSF)
96" & LESS	80"	90.0	150"	24"	90.0
	88"	89.2		30"	79.7
102"	74"	90.0		36"	66.4
	80"	86.9		42"	56.9
108"	88"	79.0		48"	49.8
	66"	90.0		54"	44.3
	74"	83.8		59 3/4"	40.0
	80"	77.5		66"	36.2
116"	88"	70.5		74"	32.3
	59 3/4"	90.0		80"	29.9
	66"	81.5	88"	27.2	
	74"	72.7	WITH REINFORCED VERTICAL MULLIONS		
120"	80"	67.2	VERTICAL DISTANCE BETWEEN SUPPORTS	MAXIMUM MULLION LOAD WIDTH	ALLOWABLE DESIGN LOAD
	88"	61.1	120" & LESS	88"	POSITIVE & NEGATIVE (PSF)
	54"	90.0			
	59 3/4"	81.3	128"	88"	85.8
66"	73.6	136"	74"	90.0	
132"	74"	65.6	80"	83.6	
	80"	60.7	88"	76.0	
	88"	55.2	66"	90.0	
	36"	90.0	74"	80.6	
	42"	86.9	80"	74.6	
	48"	76.0	88"	67.8	
	54"	67.6	59 3/4"	90.0	
	59 3/4"	61.1	66"	82.4	
144"	66"	55.3	74"	73.5	
	74"	49.3	80"	68.0	
	80"	45.6	88"	61.8	
	88"	41.5	1. THESE LOADS CONTROL FOR THE FRAMING ONLY. SEE GLASS LOAD TABLE ON SHEET 2 FOR ALLOWABLE LOADS ON GLASS. THE LESSER OF THE GLASS LOAD & THE LOADS IN THIS TABLE SHALL CONTROL AS THE ALLOWABLE LOAD ON THE SYSTEM.		
	24"	90.0	2. THE LOADS IN THIS TABLE ARE APPLICABLE FOR SINGLE & MULTI SPAN SYSTEMS.		
	30"	86.4			
	36"	72.0			
	42"	61.7			
	48"	54.0			
	54"	48.0			
59 3/4"	43.4				
66"	39.3				
74"	35.0				
80"	32.4				
88"	29.5				

- ◆ = F OR TF-ANCHOR
- = M OR TM-ANCHOR
- ⊙ = DEAD LOAD ANCHOR
- ▲ = WIND LOAD ANCHOR
- ⊕ = DOOR JAMB MULLION SHEAR BLOCK ANCHOR

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 03-0410.04
 Expiration Date JUNE 27, 2007
 By *Manuel Cruz*
 Miami Dade Product Control Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=48	DATE: 01/15/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE: 8" DEEP SERIES 5600 LARGE MISS IMPACT CURTAIN WALL SYSTEM	
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: APR 27 2004	WARREN W. SCHAEFER, P.E. NO. 44135
DRAWING NO. 1088	REV. A
SHEET NO. 3	OF 9



GLAZING DETAIL (LAMINATED GLASS WITH DRY/WET GLAZING)

GLASS "A": 9/16" VIRACON STORM GUARD: 1/4" HT. ST./0.10 SOLTIA SAFLEX HP/1/4" HT. ST.

GLASS "B": 9/16" VIRACON SENTRY GLASS PLUS (SGP): 1/4" HT. ST./0.09 SGP/1/4" HT. ST.

GLASS "E": 9/16" OLDCASTLE GLASS: 1/4" HT. ST./0.075 STORMGLASS/1/4" HT. ST.

GLAZING DETAIL (LAMINATED I.G. GLASS WITH DRY/WET GLAZING)

GLASS "D": 1" I.G. GLASS: 7/16" SECURITY SAF-GLAS AT INBOARD LIGHT, 3/8" AIR GAP & 3/16" HT. ST. SINGLE PANE GLASS AT OUTBOARD LIGHT (7/16" SAF-GLAS = 3/16" HT. ST./0.011 ALIPHATIC URETHANE/0.07 POLYCARBONATE/0.011 ALIPHATIC URETHANE/3/16" HT. ST.)

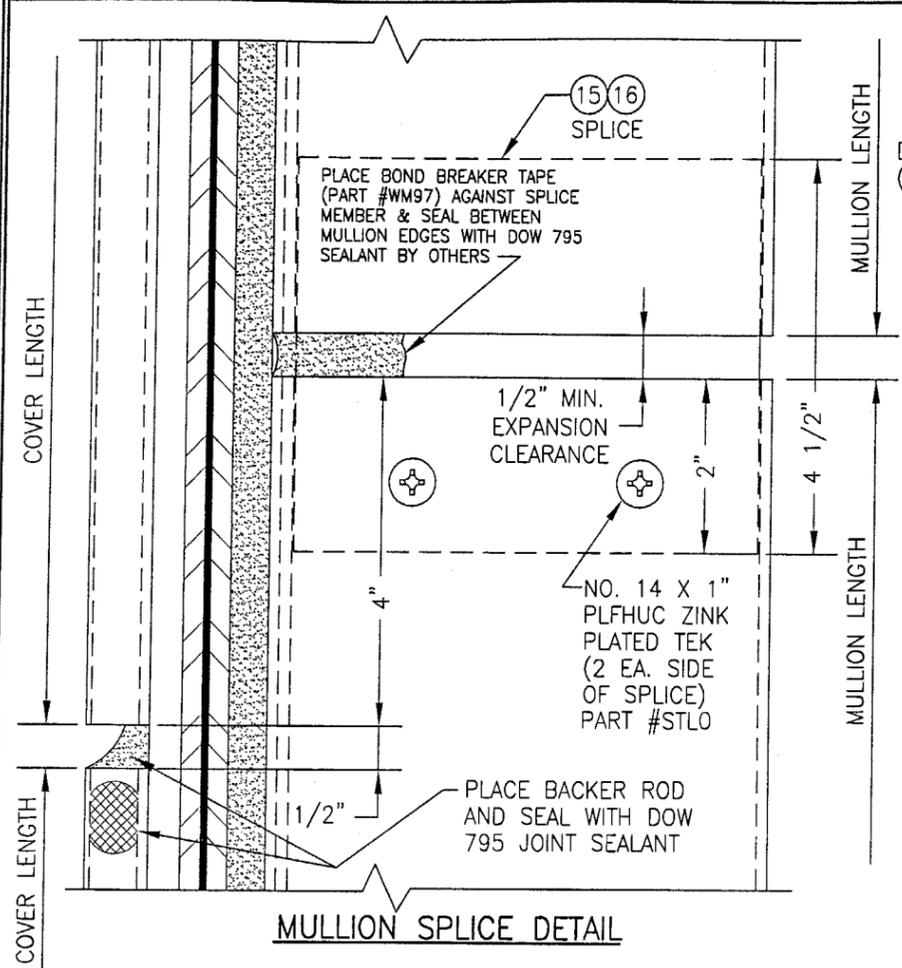
GLASS "F": 1" I.G. GLASS: 7/16" OLDCASTLE GLASS AT INBOARD LIGHT, 3/8" AIR GAP & 3/16" HT. ST. SINGLE PANE GLASS AT OUTBOARD LIGHT (7/16" OLDCASTLE = 3/16" HT. ST./0.075 STORMGLASS/3/16" HT. ST.)

GLAZING DETAILS SHOWN SHOW MIDDLE MULLIONS. GLAZING AT EDGE MULLIONS & CORNER MULLIONS IS THE SAME.

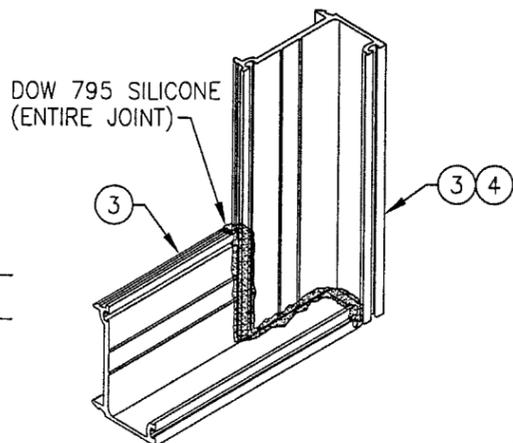
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 03-0410.04 Expiration Date: JUNE 27, 2007

By: *Manuel Berry*
Miami Code Product Control Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-3	DATE: 01/15/02
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE: 8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
MANUFACTURER: EFCO CORPORATION	
1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CONSULTANTS: 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: APR 07 2004	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1088	REV. A
SHEET NO. 4 OF 9	

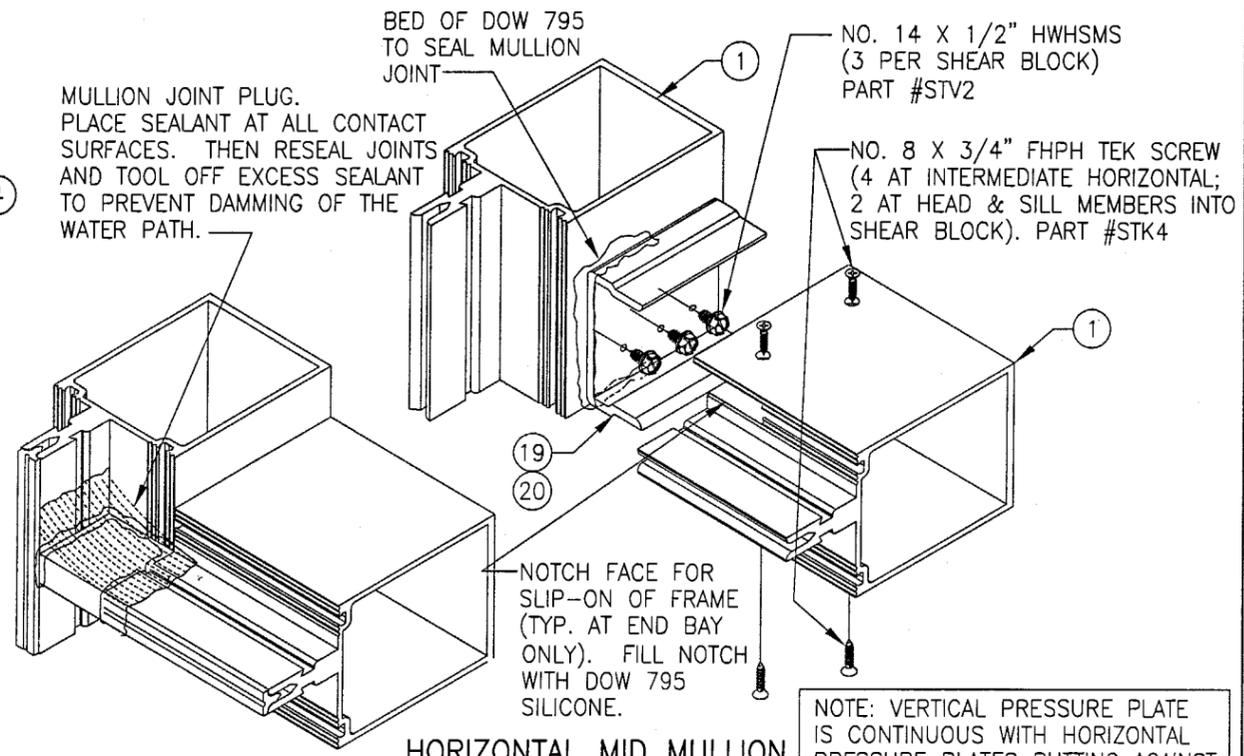


MULLION SPLICE DETAIL



PRESSURE PLATE JOINT (TYP. AT CORNERS)

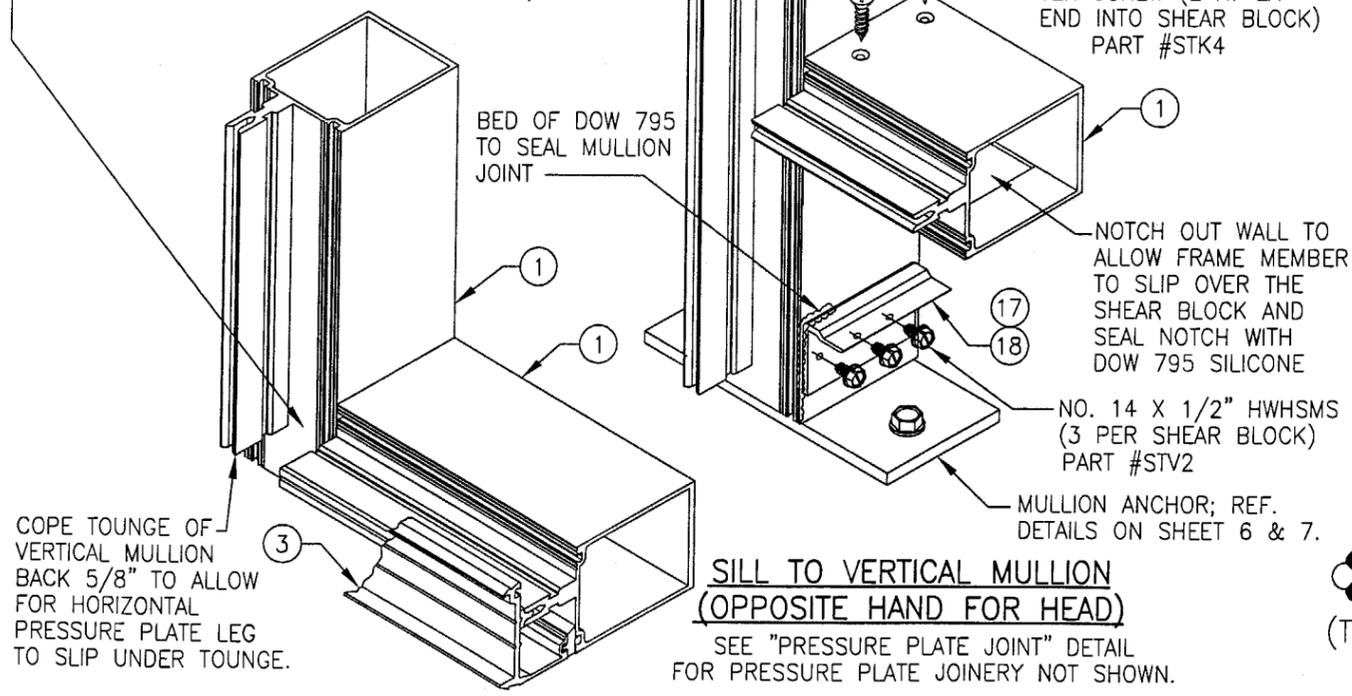
SIMILAR AT MID MULLION ENDS EXCEPT THAT THE HORIZONTAL PRESSURE PLATES SEAM TOGETHER AT THE MULLION CENTERLINE WITH A 1/8" SEAM SEALED WITH DOW 795 SILICONE.



HORIZONTAL MID MULLION TO VERTICAL MULLION

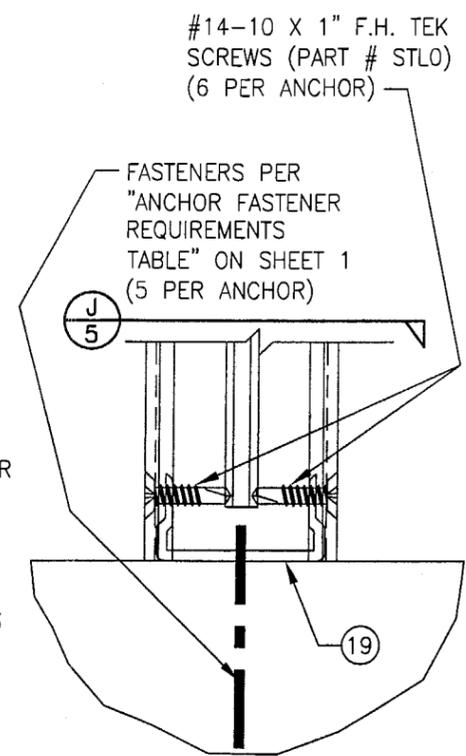
NOTE: VERTICAL PRESSURE PLATE IS CONTINUOUS WITH HORIZONTAL PRESSURE PLATES BUTTING AGAINST THE VERTICAL AND SEALED AT SEAM WITH DOW 795 SILICONE (PRESSURE PLATES NOT SHOWN FOR CLARITY).

CLOSE TONGUE GAP WITH MULLION JOINT PLUG. PLACE SEALANT AT ALL CONTACT SURFACES. THEN RESEAL JOINTS AND TOOL OFF EXCESS SEALANT TO PREVENT DAMMING OF THE WATER PATH (SEE HORIZONTAL MID MULLION JOINT DETAIL FOR PLUG APPLICATION NOT SHOWN).



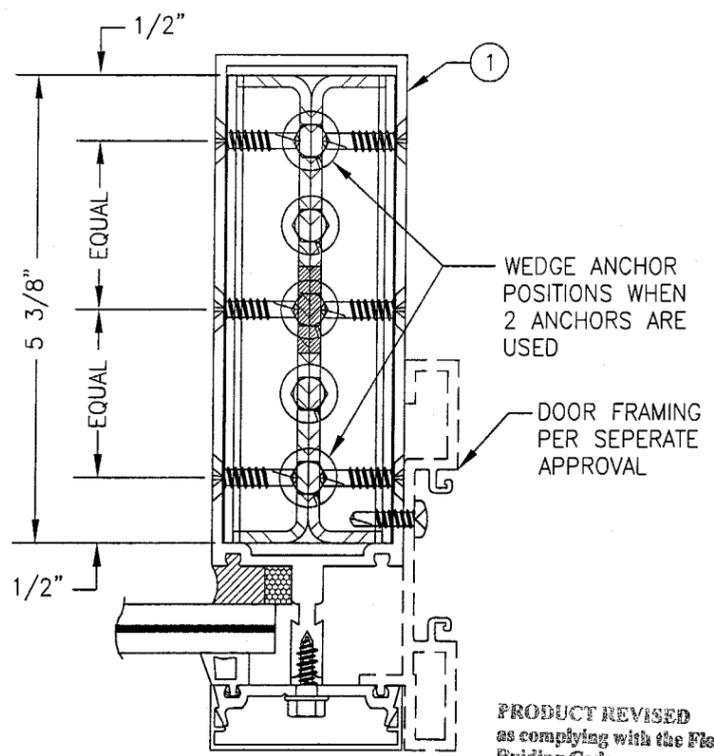
SILL TO VERTICAL MULLION (OPPOSITE HAND FOR HEAD)

SEE "PRESSURE PLATE JOINT" DETAIL FOR PRESSURE PLATE JOINERY NOT SHOWN.



DOOR JAMB MULLION SHEAR BLOCK ANCHOR DETAIL (TYP. AT ALL DOOR JAMB MULLION ENDS)

NOTE: GLAZING & HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY.

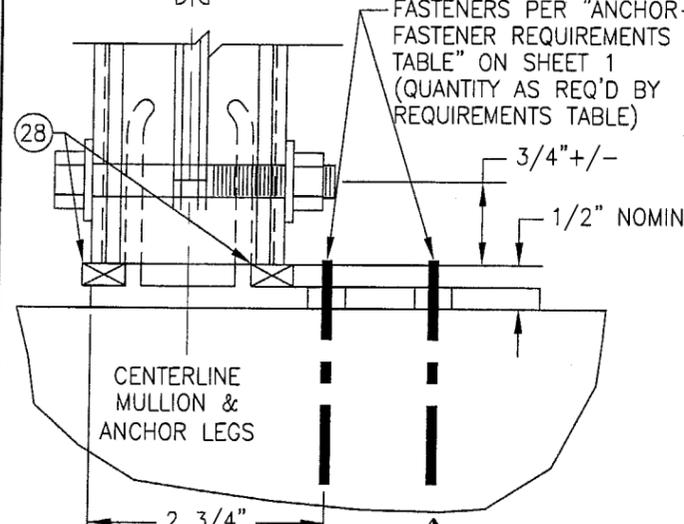
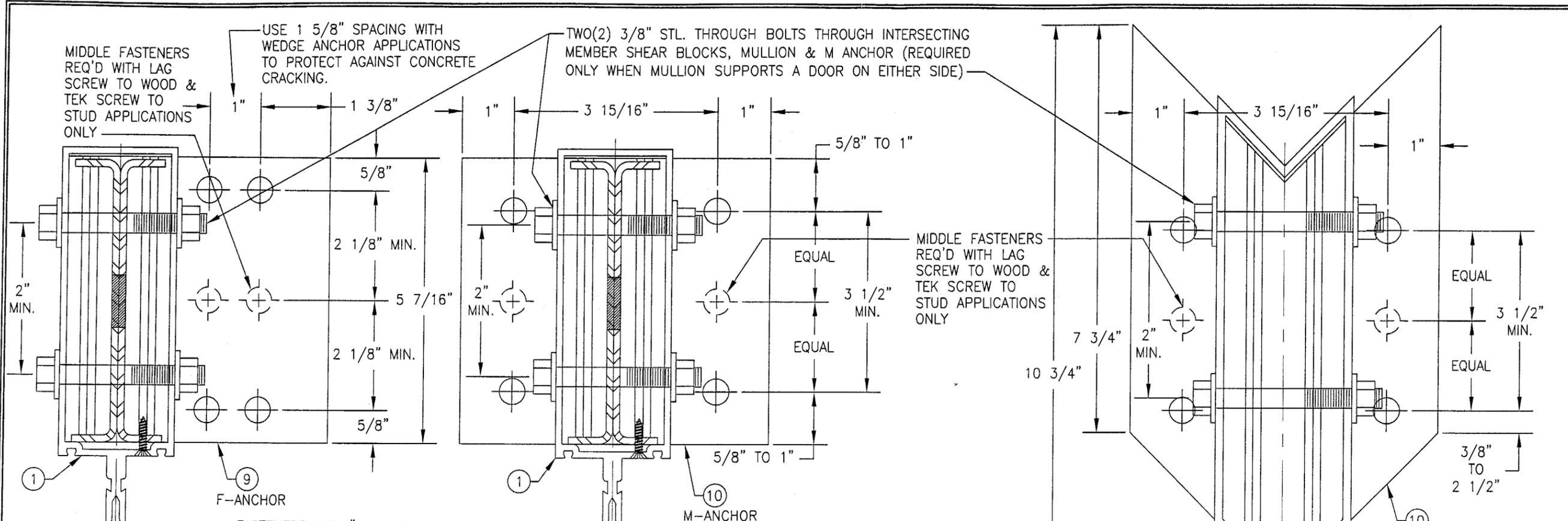


SECTION

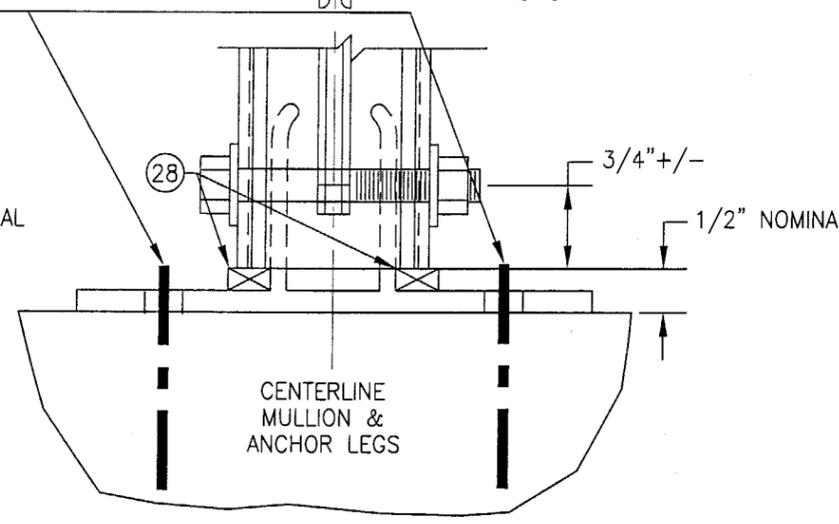
SCALE: 1/2 FULL

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 03-0410.04 Expiration Date JUNE 27, 2007
 By *Manuel Perez*
 Miami Date Product Control Division

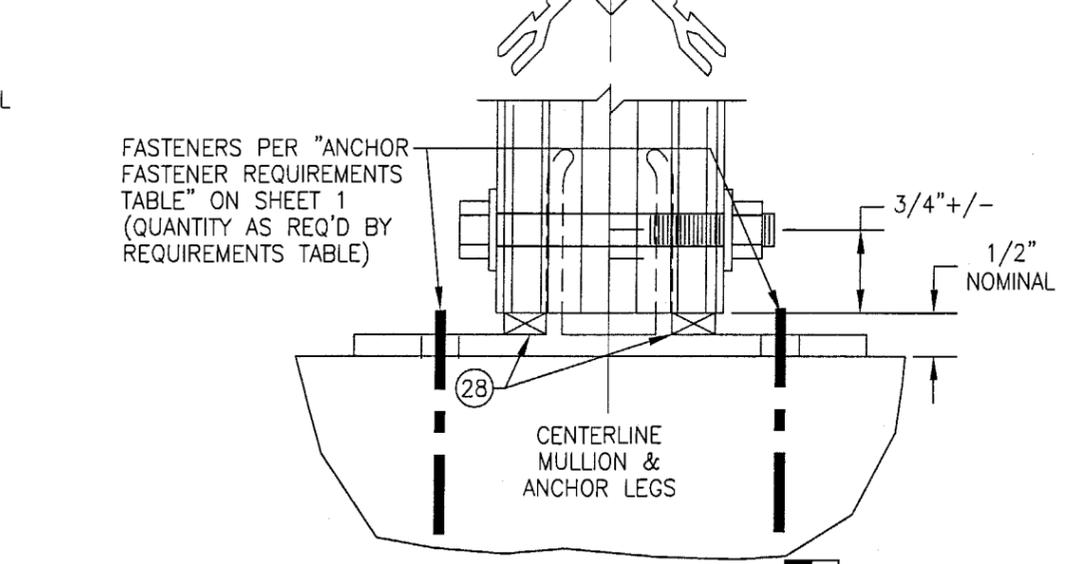
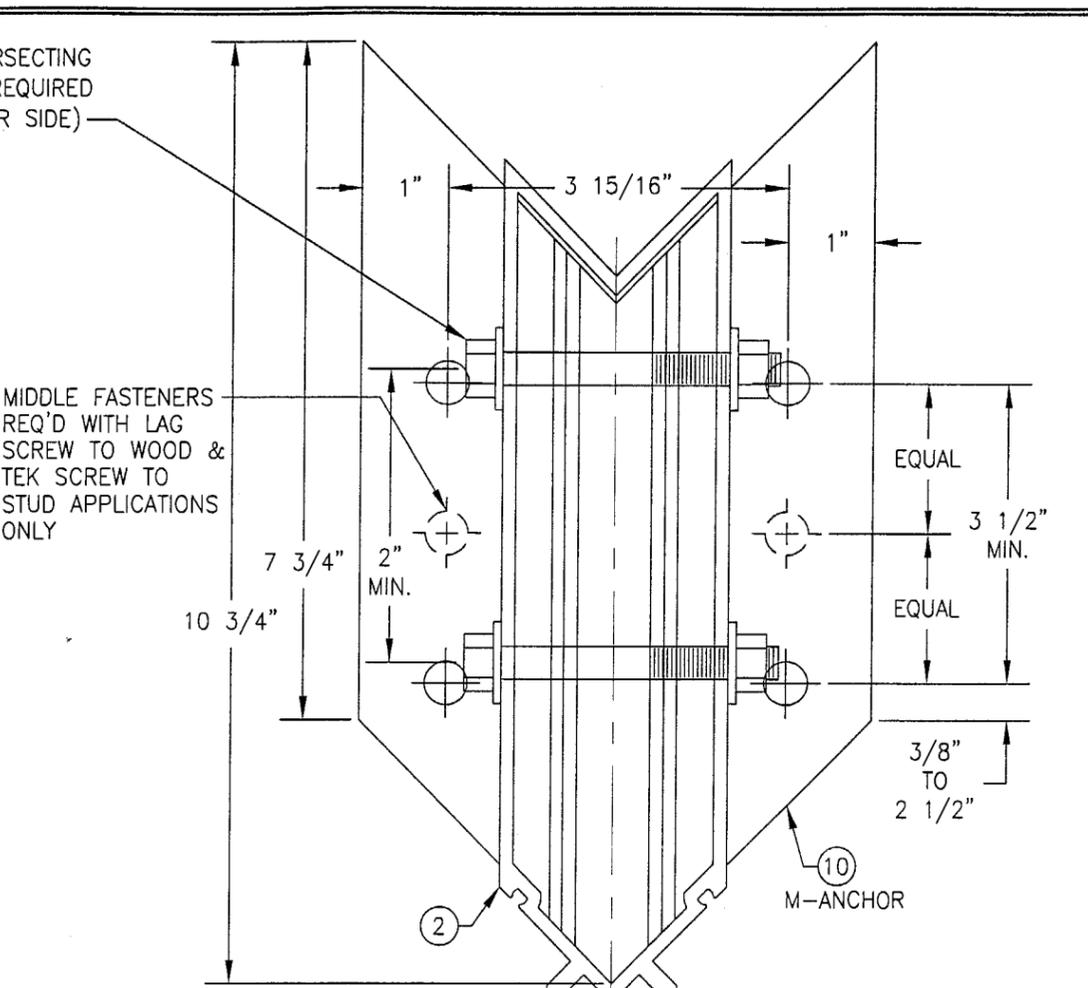
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/15/02
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
MANUFACTURER EFCO CORPORATION	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION APR 07 2004	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1088	REV. A
SHEET NO. 5 OF 9	



"F-ANCHOR" DETAIL
 (TYP. AT SIDE JAMB MULLIONS)
 NOTE: GLAZING & HORIZONTAL MEMBER NOT SHOWN FOR CLARITY.



"M-ANCHOR" DETAIL
 (TYP. AT INTERMEDIATE MULLIONS)
 NOTE: GLAZING & HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY.



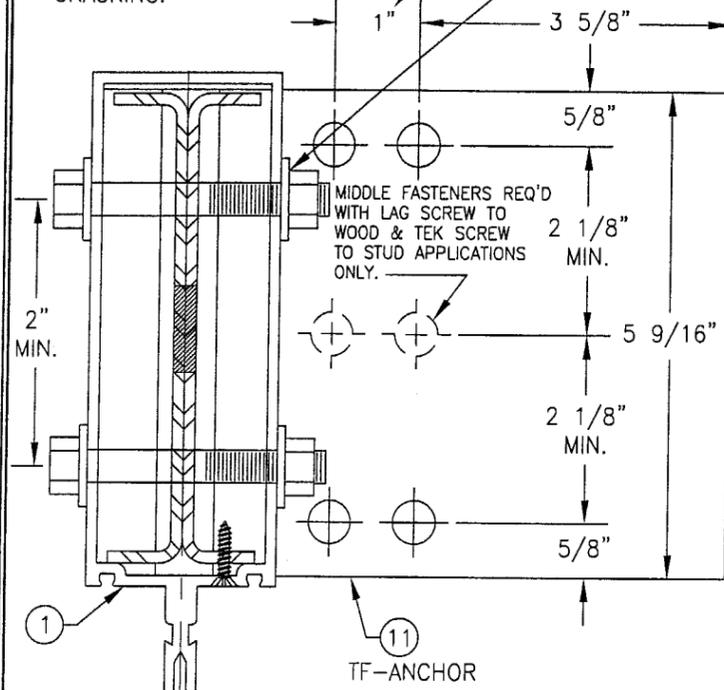
"M-ANCHOR" DETAIL
 (TYP. AT CORNER MULLIONS)
 NOTE: GLAZING & HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0410.04
 Expiration Date: JUNE 27, 2007
 By *Manuel Perez*
 Miami Dade Product Control
 Division

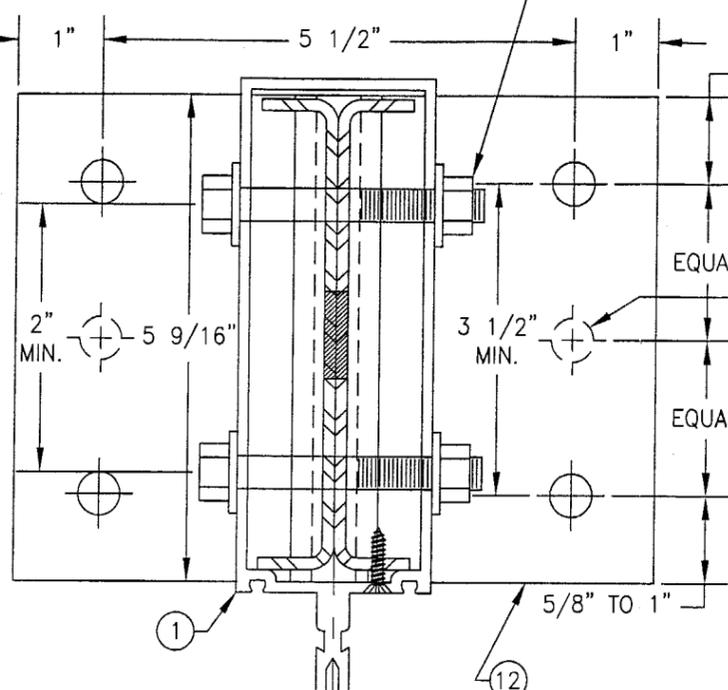
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 01/15/02
NO.	REVISION DESCRIPTION
DATE	BY
DESCRIPTION	
DRAWING TITLE 8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 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 APR 07 2004 <i>Warren W. Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1088
	REV. A
	SHEET NO. 6 OF 9

USE 1 5/8" SPACING WITH WEDGE ANCHOR APPLICATIONS TO PROTECT AGAINST CONCRETE CRACKING.

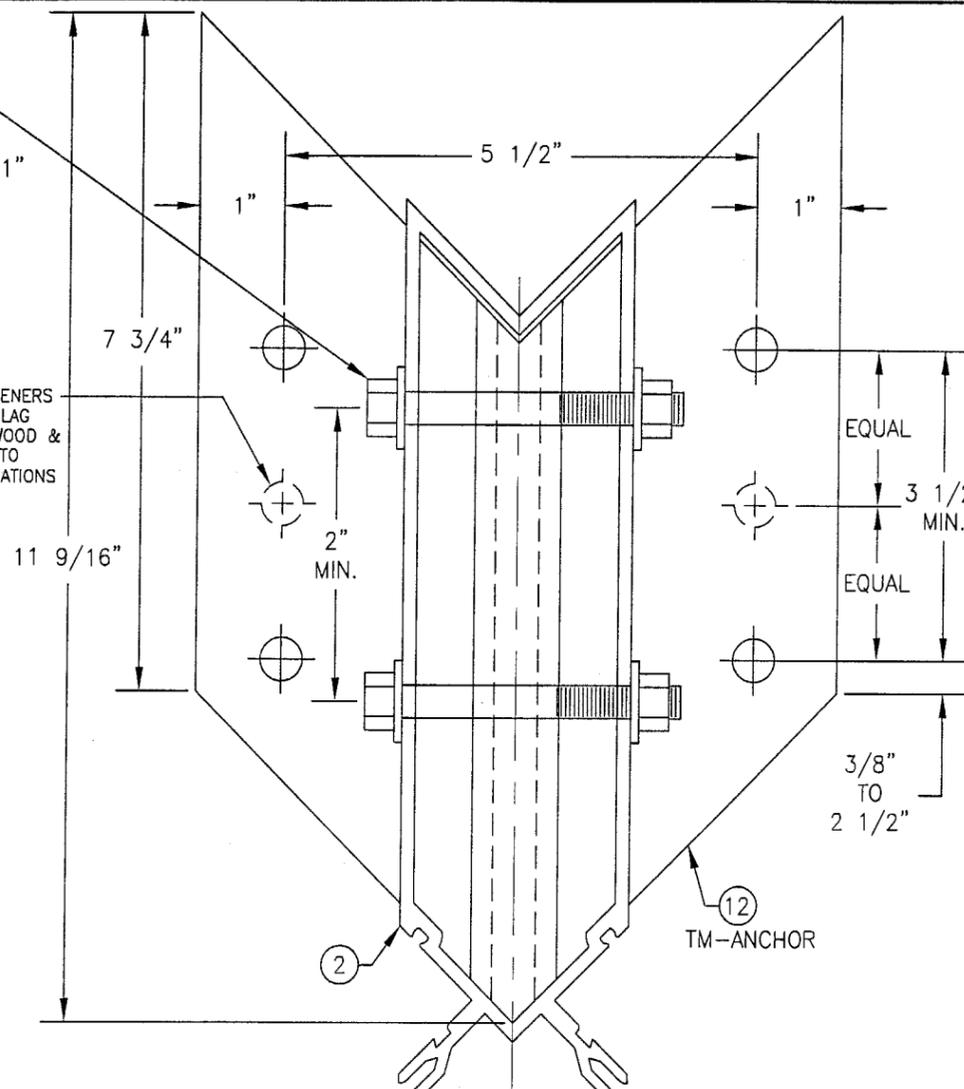
TWO(2) 3/8" STL. THROUGH BOLTS THROUGH INTERSECTING MEMBER SHEAR BLOCKS, MULLION & TM ANCHOR (REQUIRED ONLY WHEN MULLION SUPPORTS A DOOR ON EITHER SIDE)



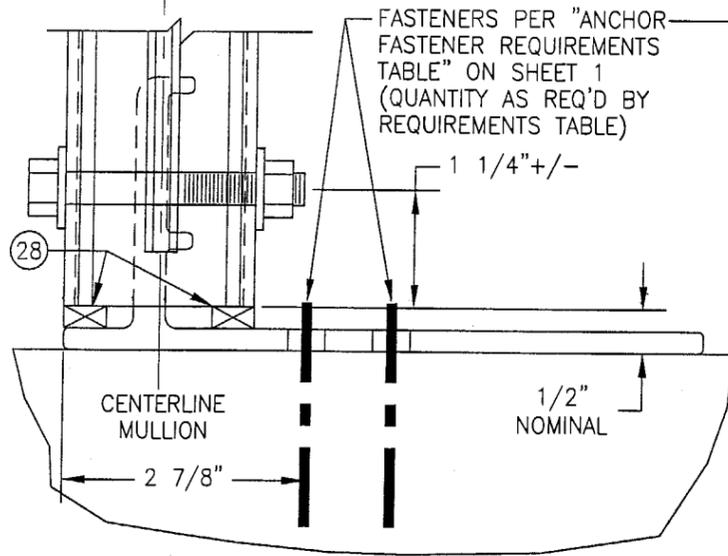
TF-ANCHOR



TM-ANCHOR

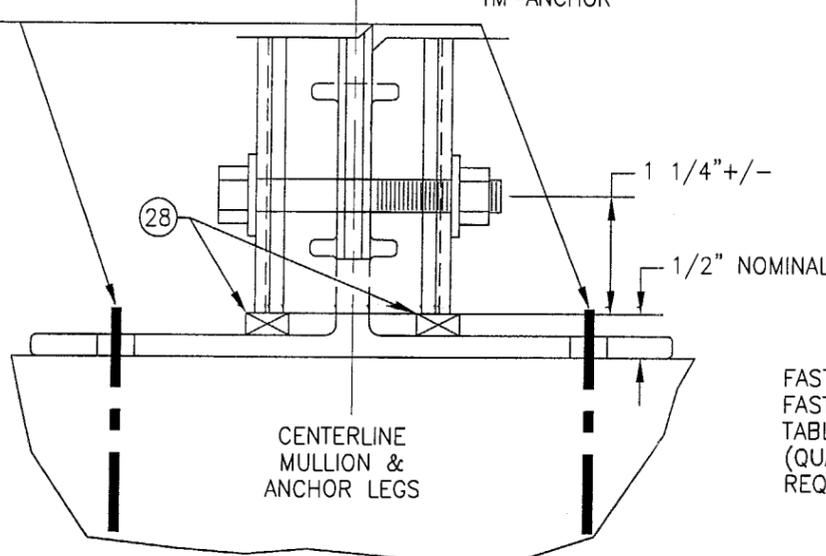


TM-ANCHOR



"TF-ANCHOR" DETAIL

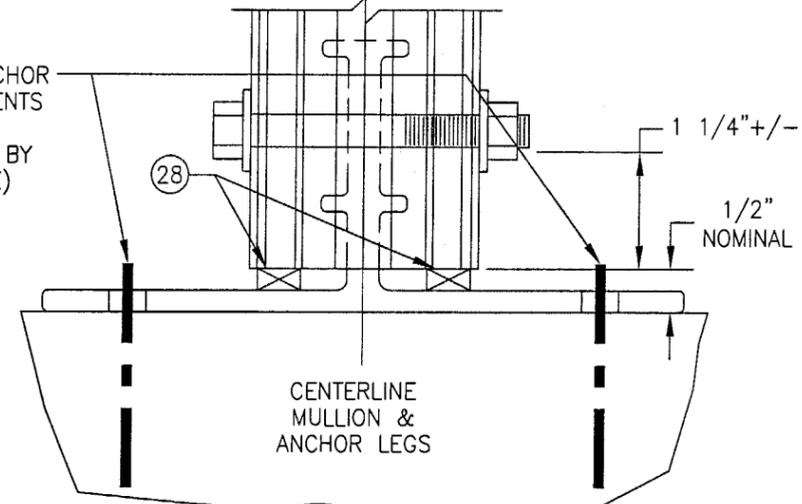
(TYP. AT SIDE JAMB MULLIONS)
NOTE: GLAZING & HORIZONTAL MEMBER NOT SHOWN FOR CLARITY.



"TM-ANCHOR" DETAIL

(TYP. AT INTERMEDIATE MULLIONS)
NOTE: GLAZING & HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY.

FASTENERS PER "ANCHOR FASTENER REQUIREMENTS TABLE" ON SHEET 1 (QUANTITY AS REQ'D BY REQUIREMENTS TABLE)

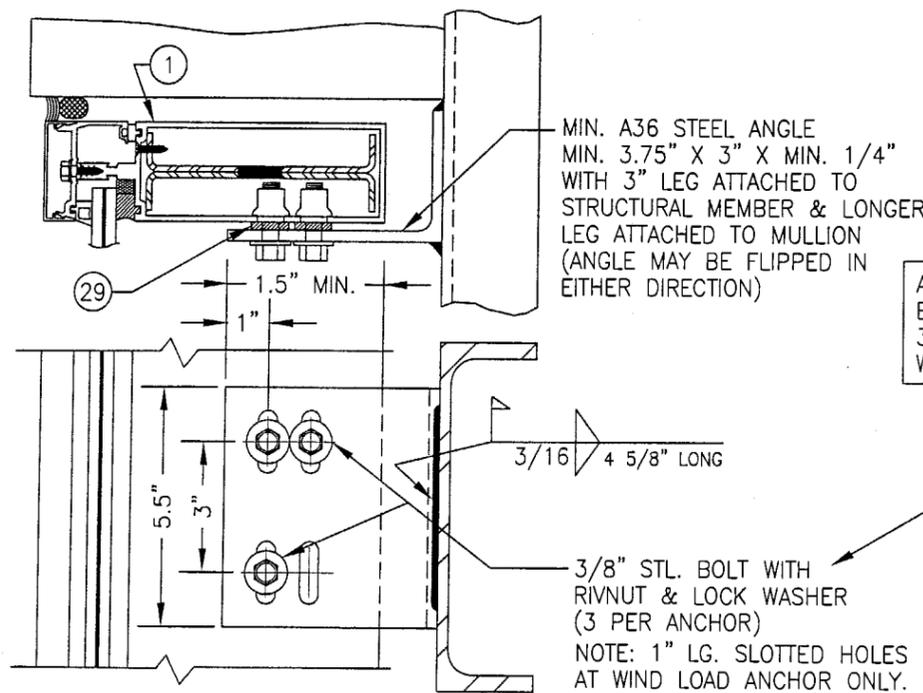


"TM-ANCHOR" DETAIL

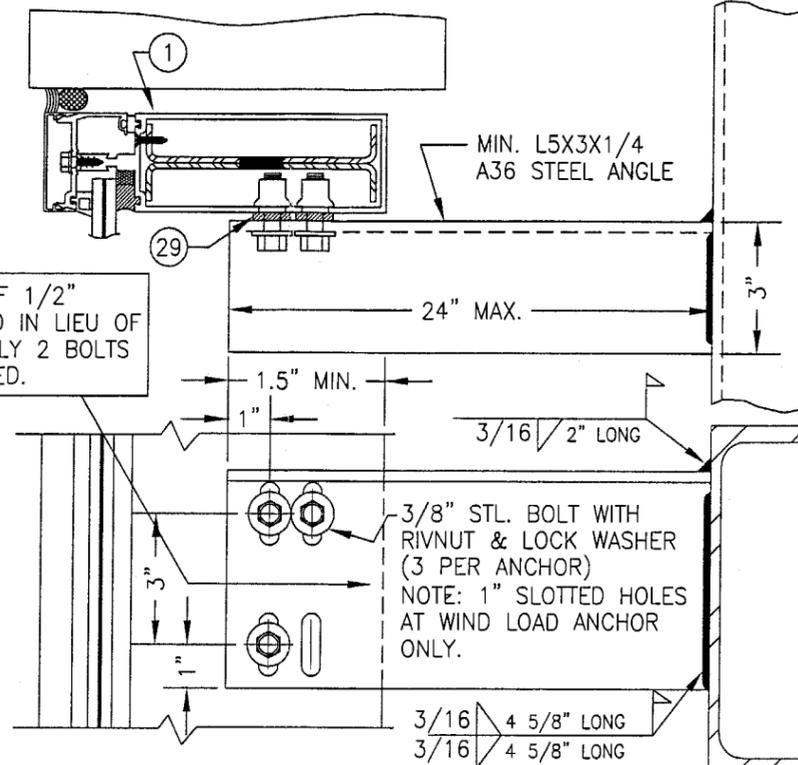
(TYP. AT CORNER MULLIONS)
NOTE: GLAZING & HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 03-0410.04
Expiration Date: JUNE 27, 2007
By: *Mauro Perez*
Miami Dade Product Control Division

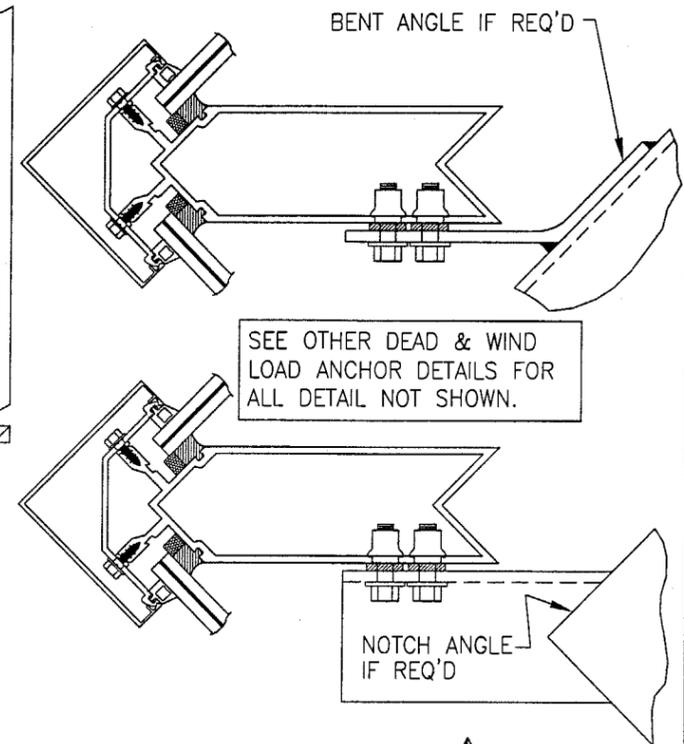
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 01/15/02
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE 8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION APR 27 2004 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1088 REV. A
SHEET NO. 7 OF 9	



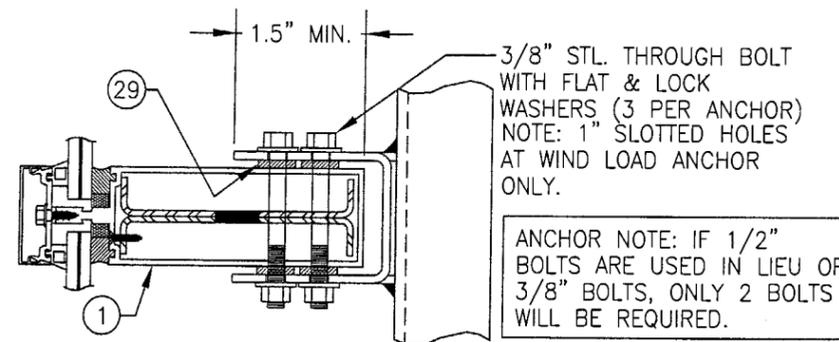
1 DEAD LOAD & WIND LOAD ANCHOR DETAIL
(TYP. AT JAMB MULLIONS)
(WIND LOAD ANCHOR HAS 1" LONG SLOTS FOR VERTICAL MOVEMENT)



2 EXTENDED DEAD LOAD & WIND LOAD ANCHOR DETAIL
(TYP. AT JAMB MULLIONS) (WIND LOAD ANCHOR HAS 1" LONG SLOTS FOR VERTICAL MOVEMENT)

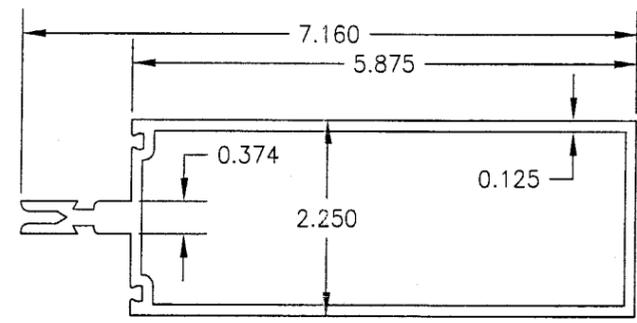


3 DEAD LOAD & WIND LOAD ANCHOR DETAIL
(TYP. AT CORNER MULLS)

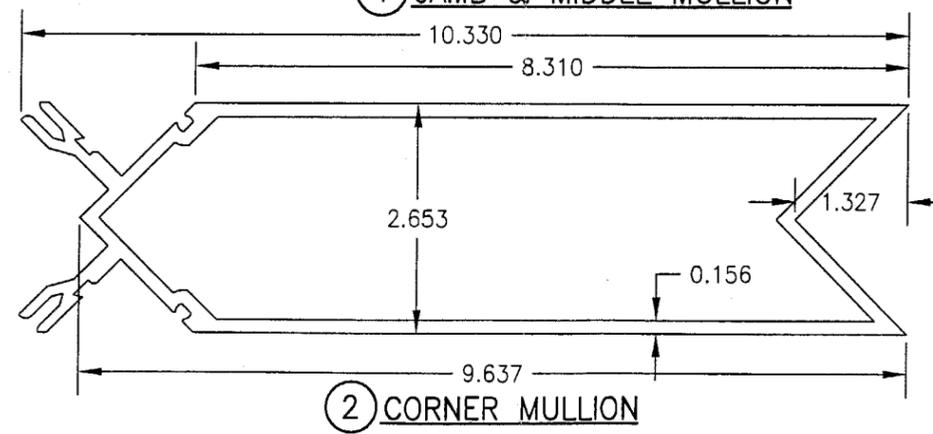


4 DEAD LOAD & WIND LOAD ANCHOR DETAIL
(TYP. AT INTERMEDIATE MULLIONS)
(WIND LOAD ANCHOR HAS 1" LONG SLOTS FOR VERTICAL MOVEMENT)

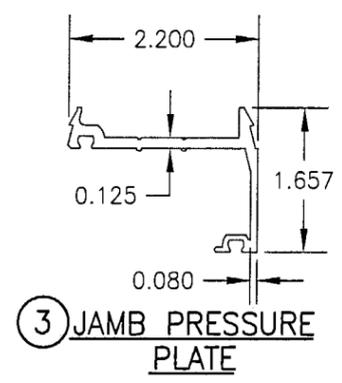
NOTE: DEAD LOAD & WIND LOAD ANCHOR DETAILS ARE SAME AT CORNER MULLION.



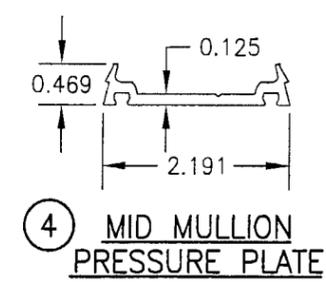
5 JAMB & MIDDLE MULLION



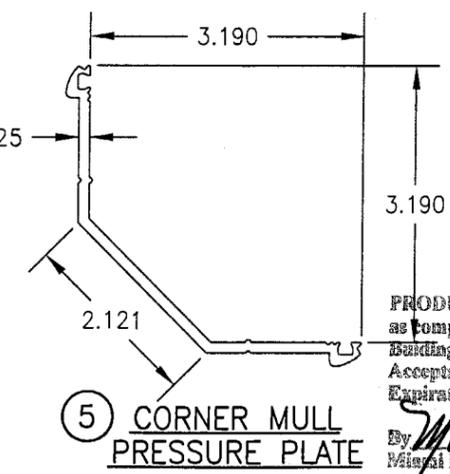
6 CORNER MULLION



7 JAMB PRESSURE PLATE



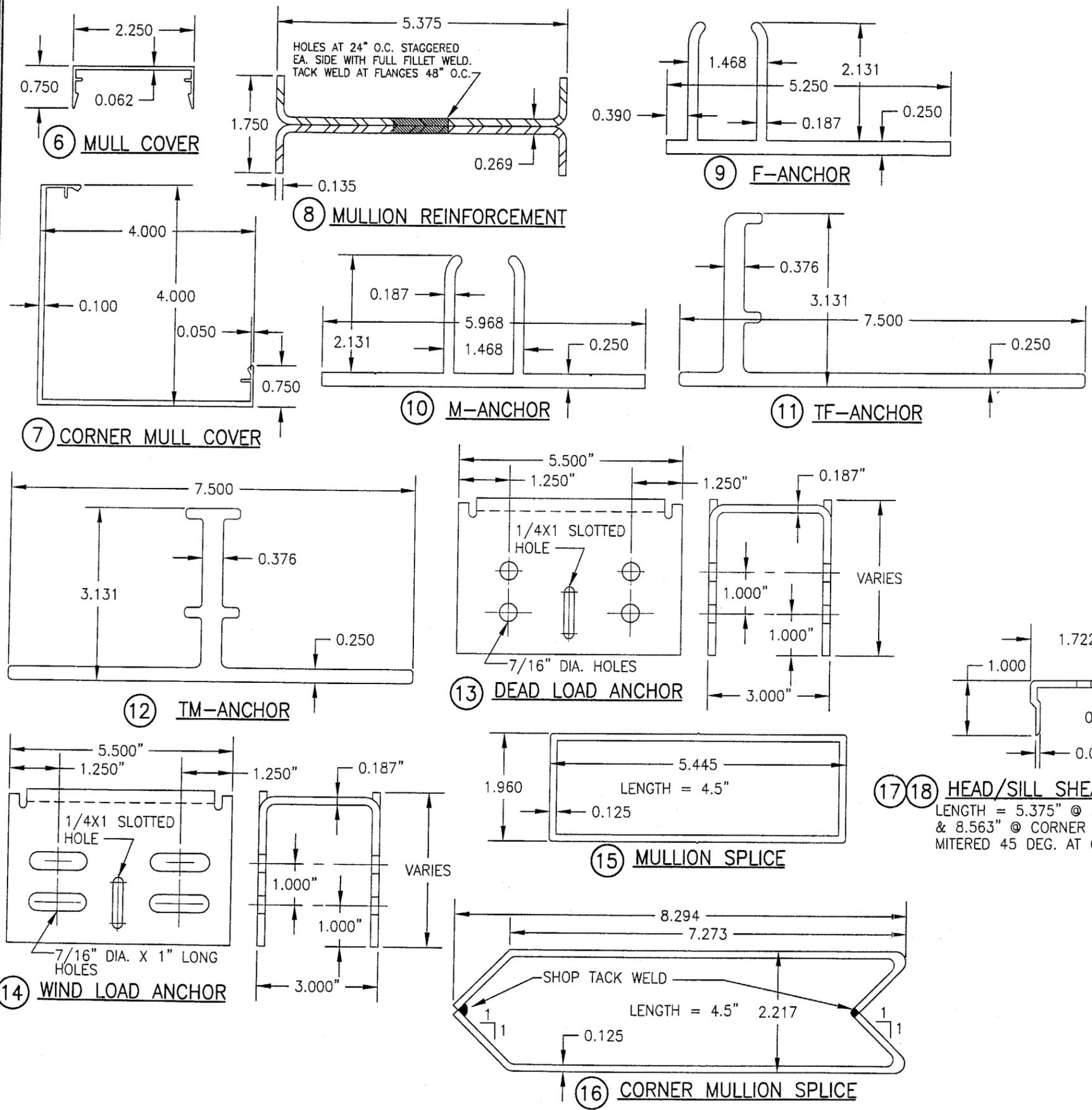
8 MID MULLION PRESSURE PLATE



9 CORNER MULL PRESSURE PLATE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0410-04
Expiration Date: JUNE 21, 2007
By: *Mauro Terry*
Miami Dade Product Control
Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/15/02	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE 8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER EFCO CORPORATION	
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 APR 07 2004	WARREN W. SCHAEFER, P.E. P.E. NO. 44135		
DRAWING NO. 1088	REV. A	SHEET NO. 8 OF 9	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	6095	JAMB & MIDDLE MULLION	EFCO; 6063-T6 ALUMINUM
2	6217	CORNER MULLION	EFCO; 6063-T6 ALUMINUM
3	5977	JAMB PRESSURE PLATE	EFCO; 6063-T6 ALUMINUM
4	5959	MIDDLE MULLION PRESSURE PLATE	EFCO; 6063-T6 ALUMINUM
5	5904	CORNER MULLION PRESSURE PLATE	EFCO; 6063-T6 ALUMINUM
6	5882	MULLION COVER	EFCO; 6063-T6 ALUMINUM
7	5905	CORNER MULLION COVER	EFCO; 6063-T6 ALUMINUM
8	SR6095A	DOUBLE CHANNEL MULL REINF.	EFCO; A36 MIN. STEEL
9	5878	F-ANCHOR	EFCO; 6063-T6 ALUMINUM
10	4026	M-ANCHOR	EFCO; 6063-T6 ALUMINUM
11	3709	TF ANCHOR	EFCO; 6063-T6 ALUMINUM
12	3708	TM ANCHOR	EFCO; 6063-T6 ALUMINUM
13	-	DEAD LOAD ANCHOR	EFCO; A36 MIN. STEEL
14	-	WIND LOAD ANCHOR	EFCO; A36 MIN. STEEL
15	5099	MULLION SPLICE	EFCO; 6063-T6 ALUMINUM
16	KY71	CORNER MULLION SPLICE	EFCO; A36 MIN. STEEL
17	KY51/KY52 6333	HEAD/SILL SHEAR BLOCK	EFCO; 6063-T6 ALUMINUM
18	KZ64/KZ65 6333	HEAD/SILL SHEAR BLOCK (CORNER MULL)	EFCO; 6063-T6 ALUMINUM
19	KW04/5879	MID MULL & JAMB MULL SHEAR BLOCK	EFCO; 6063-T6 ALUMINUM
20	KZ66/5879	MID MULL SHEAR BLOCK (CORNER MULL)	EFCO; 6063-T6 ALUMINUM
SEALS, SEALANTS & SHIMS			
21	WEP7	3/16" SILICONE SPACER	EPG
22A	W163	3/8" PRESET PEROXIDE CURE EPDM	EPG
22B	W162	7/16" PRESET PEROXIDE CURE EPDM	EPG
23	WM88	5/16" X 7/16" V2100	NORTON
24	HN16	0.187" X 0.812" X 4" GLAZING BLOCK	EPG
25	WNC8	1/8" PRESET 70 DUROMETER EPDM	EPG
26	WM87	5/16" X 1/4" V2100	NORTON
27	HN91	0.187" X 1.0" X 4" GLAZING BLOCK	EPG
28	HS01	POLYSTYRENE SHIM	FALMOUTH PLASTIC
29	HS01	POLYSTYRENE SHIM	FALMOUTH PLASTIC
MISCELLANEOUS FASTENERS			
30	STCO	13-16 X 5/8" HWH S.S. SMS SCREW	6" O.C.
31	SPCO	NO. 8 X 3/4 PL FH SMS SCREW	3/MULL REINFORCEMENT SECTION

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	DATE: 01/15/02	NO.	REVISION DESCRIPTION	BY	DATE	DRAWING TITLE 8" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	MANUFACTURER EFCO CORPORATION	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	P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169
PRODUCT REVISED as complying with the Florida Building Code								Acceptance No. 03-0410.04	Expiration Date JUNE 27, 2007		
By <i>Manuel Perez</i>								Miami Code Product Control Division			
DRAWING NO. 1088								REV. A	SHEET NO. 9 OF 9		