



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

NOTICE OF ACCEPTANCE (NOA)

EFCO Corporation
1000 County Road
Monett, MO 65708-0609

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series 5600 – 6” Deep Frame-Aluminum Curtain Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1090, titled “6” Deep Series 5600 Large Missile Impact Curtain Wall System”, sheets 1 through 9 of 9, dated 02/06/02, with last revision “B1” dated 07/27/05, 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

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 # 03-0611.19 and, consists of this page1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



J. Gascon
11/28/06

NOA No 05-1212.11
Expiration Date: June 27, 2007
Approval Date: December 21, 2006
Page 1

EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1090**, titled "6" Deep Series 5600 Large Missile Impact Curtain Wall System" Sheets 1 through 9 of 9, dated 02/06/02, with last revision on "B1" dated 07/27/05, 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 203-94along 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.
"Submitted under NOA # 03-0611.19"
2. Test reports on:
 - 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94along 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 # 03-0611.19"
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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94along 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 # 03-0611.19"



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 03-0611.19
Expiration Date: June 27, 2007
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EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 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 # 03-0611.19”
5. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a single span EFCO S5600 – 6” deep outside 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.
“Submitted under NOA # 03-0611.19”
6. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 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 # 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 # 03-0611.19”
7. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with 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 # 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 # 03-0611.19”



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 05-1212.11
Expiration Date: June 27, 2007
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8. 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 of a single span EFCO S5600 – 8” deep outside 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 under NOA # 03-0611.19”
9. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Small Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 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 # **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 under NOA # 03-0611.19”
10. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Small Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a single span EFCO S5600 – 6” deep outside 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 under NOA # 03-0611.19”
11. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Small Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 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 # **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 under NOA # 03-0611.19”


Jaime D. Gascon, P.E.

Chief, Product Control Division
NOA No 05-1212.11

Expiration Date: June 27, 2007

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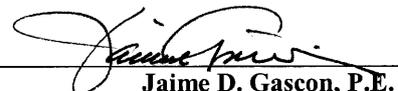
EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

12. 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 single span EFCO S5600 – 6” deep outside 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 # 03-0611.19”
13. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 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 # 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 # 03-0611.19”
14. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a three-bays specimen of a series S5600 8” deep outside glazed Curtain wall system, 176” wide x 128-1/2” high, specimen #1; prepared by Hurricane Test Laboratory, Test Report No. HTL-0046-1019-03, Elevation A, dated 10/20/03, signed and sealed by Vinu J. Abraham, P.E.
“Submitted under NOA # 03-0611.19”
15. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a three-bays specimen of a series S5600 6” deep outside glazed Curtain wall system, 182-1/2” wide x 98” high, specimen #2; prepared by Hurricane Test Laboratory, Test Report No. HTL-0046-0113-04, Elevation C, dated 01/09-12/04, signed and sealed by Vinu J. Abraham, P.E.
“Submitted under NOA # 03-0611.19”

C. CALCULATIONS:

1. Revises Anchor Calculations and structural analysis, complying with FBC-2004, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 07/27/05, signed and sealed by Warren W. Schaefer, P.E.


Jaime D. Gascon, P.E.

Chief, Product Control Division
NOA No 05-1212.11

Expiration Date: June 27, 2007
Approval Date: December 21, 2006

EFCO Corporation

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D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

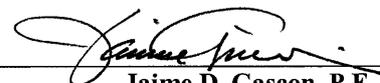
1. Notice of Acceptance No. **01-1204.01** issued to **E.I. DuPont DeNemours** for "**Sentry Glass Plus**" dated 01/17/02, expiring on 01/14/07.
2. Notice of Acceptance No. **02-1205.03** issued to **Security Impact Glass Holdings L.L.C.** for "**SAF - GLAS**" dated 01/02/03, expiring on 12/16/07.
3. Notice of Acceptance No. **00-0509.06** issued to **Viracon, Inc.** for "**StormGuard (laminate)**" dated 05/22/03, expiring on 04/14/08.
4. Notice of Acceptance No. **03-0415.13** issued to **Oldcastle** for **Stormglass Laminated Glass**" dated 12/11/03, expiring on 12/18/08.

F. STATEMENTS

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.

G. OTHER

1. Notice of Acceptance No. **02-0308.11**, issued to EFOC Corporation, Series 5600-6" Deep Frame- Aluminum Curtain Wall System, approved on 05/13/04 and expiring on 06/27/07.



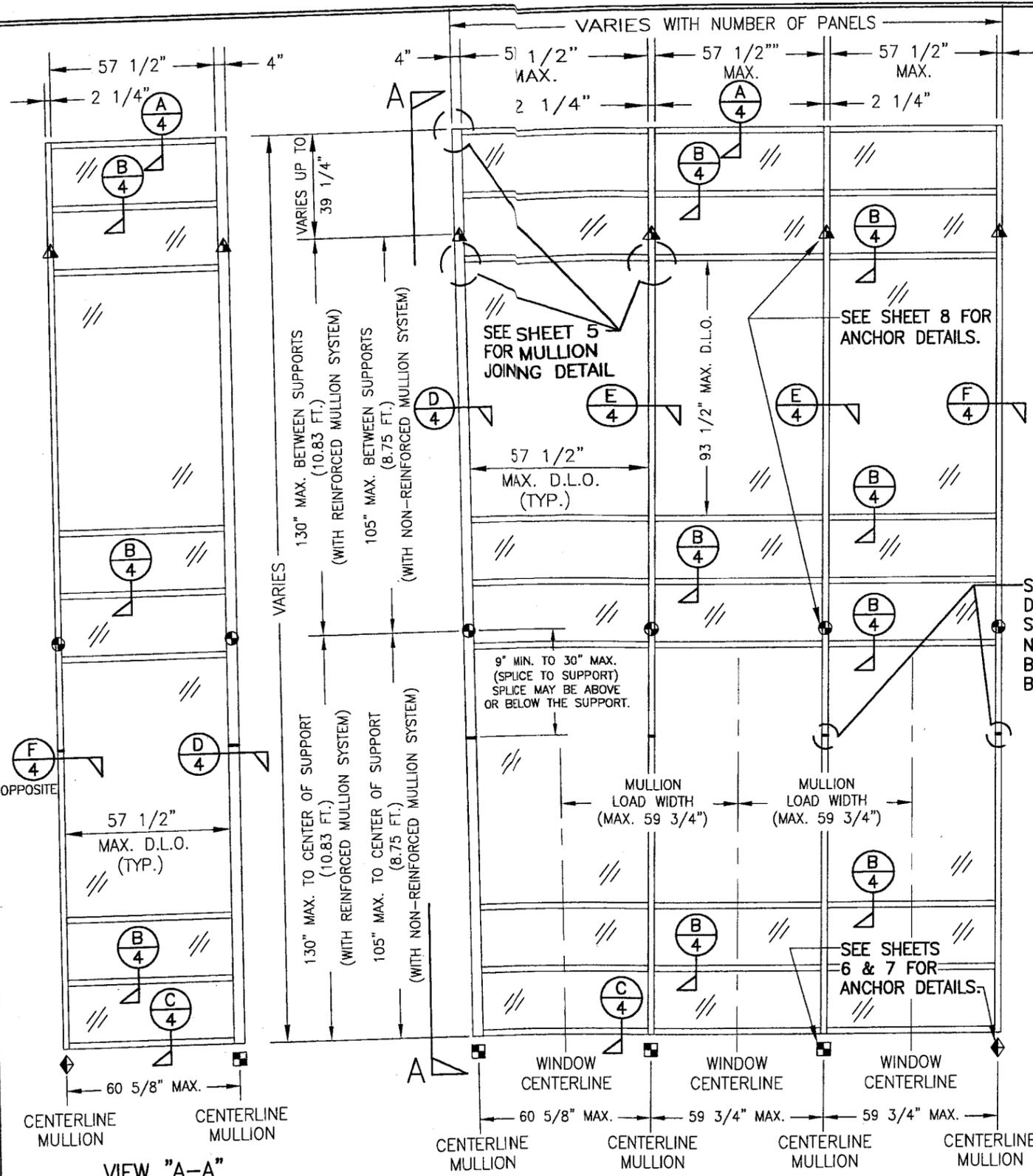
Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No 05-1212.11

Expiration Date: June 27, 2007

Approval Date: December 21, 2006



VIEW "A-A"
(EXTERIOR ELEVATION)
ONLY ONE ROW SHOWN; MORE THAN ONE ROW MAY BE INSTALLED

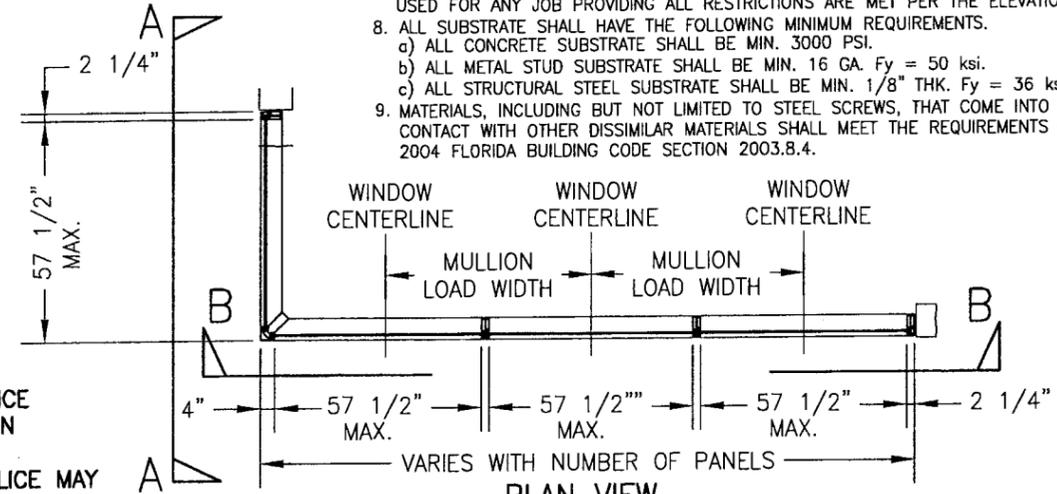
EXTERIOR ELEVATION; VIEW "B-B"
CURTAIN WALL WITH MULTIPLE VERTICAL SPANS
SCALE: N.T.S.

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

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 TAS 201, 202 & 203 FOR IMPACT REQUIREMENTS.
5. THESE CURTAIN WALL SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (F.B.C.) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL 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 METAL STUD SUBSTRATE SHALL BE MIN. 16 GA. Fy = 50 ksi.
 - c) ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. 1/8" THK. Fy = 36 ksi.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.



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

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

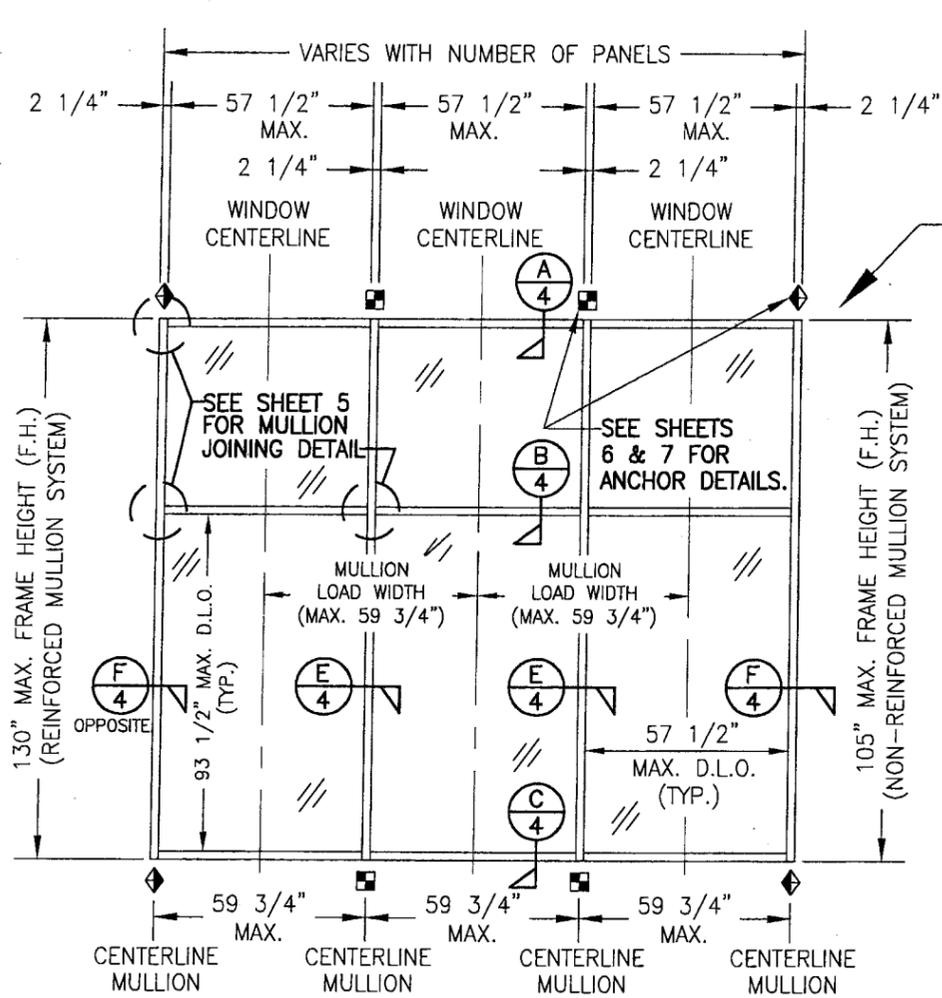
OPENING TYPE (SUBSTRATE)	ANCHOR TO OPENING FASTENER TYPE	NO. FASTENERS PER ANCHOR INTO SUBSTRATE		MINIMUM EMBED	EDGE DIST.
		SHEAR BLOCK ANCHORS	F, TF, M & TM ANCHORS		
MIN. 16 GA. STUD	(1) NO. 14 SELF TAP/DRILLING SCREW	3	4	FULL	1/2"
STRUCT. STEEL MIN. 1/8" THK.	(1) NO. 14 SELF TAP/DRILLING SCREW	3	4	FULL	1/2"
CONCRETE	(2) 3/8" ADHESIVE ANCHORS	N/A	4	3 1/2"	2 1/2"
CONCRETE	(2) 1/2" ADHESIVE ANCHORS	2	N/A	4"	3"

- (1) SELF DRILLING/TAPPING SCREWS SHALL BE MIN. GR. 5 STEEL & BE COATED TO RESIST CORROSION & REACTIONS WITH DISSIMILAR MATERIALS.
- (2) ADHESIVE ANCHORS SHALL BE HILTI HVA ADHESIVE ANCHOR OR POWERS RAWL POWER-FAST ADHESIVE ANCHOR (A307, A36 OR ASTM A193 B7 STEEL OR 304/316 STAINLESS STEEL)

ALLOWABLE DESIGN LOADS
SEE LOAD TABLES ON SHEET 3

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 05-1212.11
Expiration Date 06/27/07
By *[Signature]*
Missal Data Product Control Division

DRAWN BY: W.W.S	CHECKED BY: W.W.S	DATE: 02/06/02	
PLOT: 1=48			
DATE: 04/08/03	BY: K.P.S.	DATE: 07/27/05	
REVISION DESCRIPTION	CONDITION	CONDITION	
NO. 1	ADDED DOOR OPENING TABLES & EDITED LOAD TABLES TO	INCORPORATE DOOR CONDITION	
		UPDATE TO 2004 CODE	
DRAWING TITLE			
6" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		EFCO CORPORATION	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		1000 COUNTY ROAD; P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION	AUG 31 2006	WARREN W. SCHAEFER, P.E. P.E. NO. 44155	
DRAWING NO. 1090	REV. B		
SHEET NO. 1 OF 9			

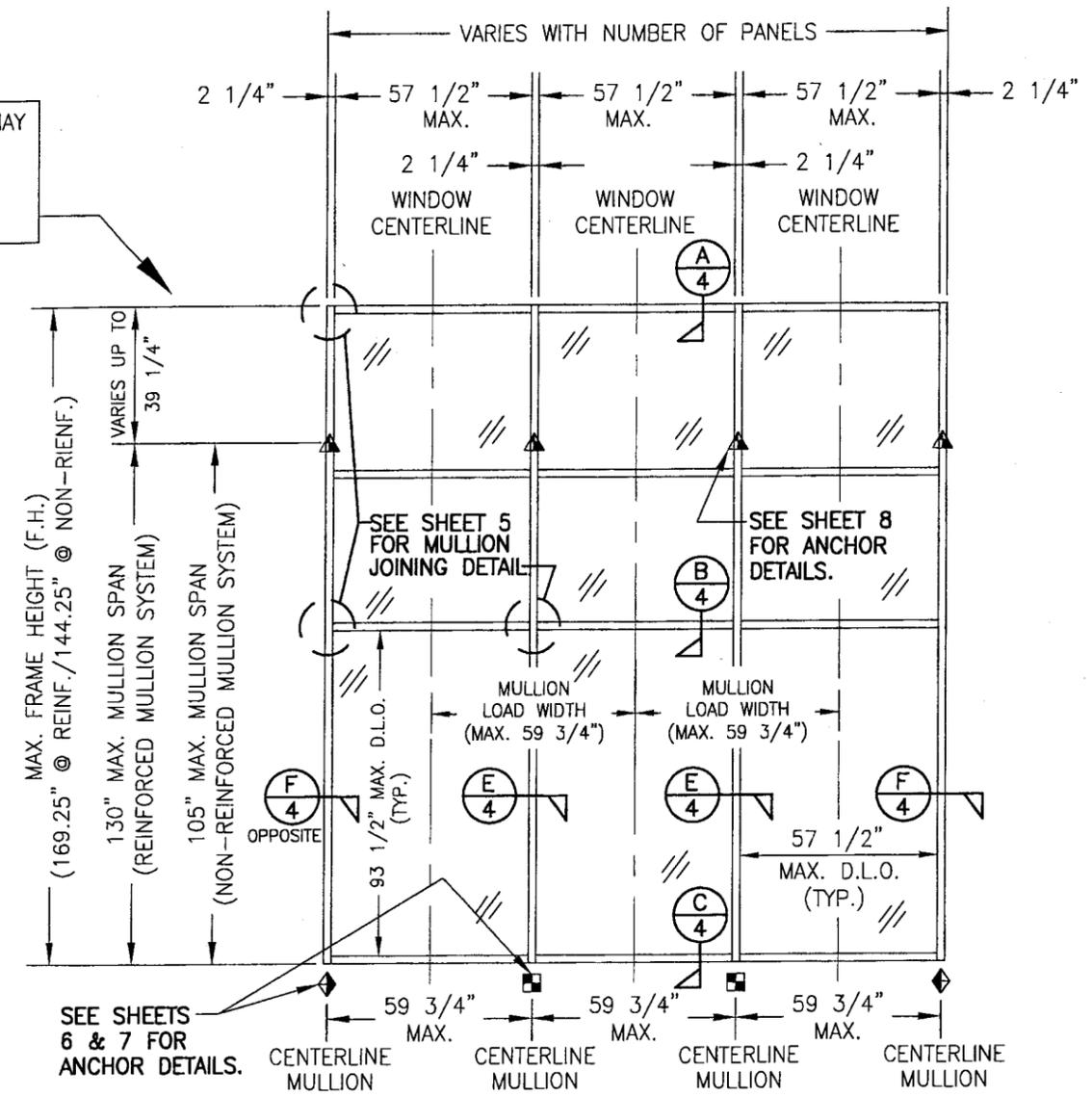


**EXTERIOR ELEVATION
CURTAIN WALL WITH SINGLE VERTICAL SPAN**

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"

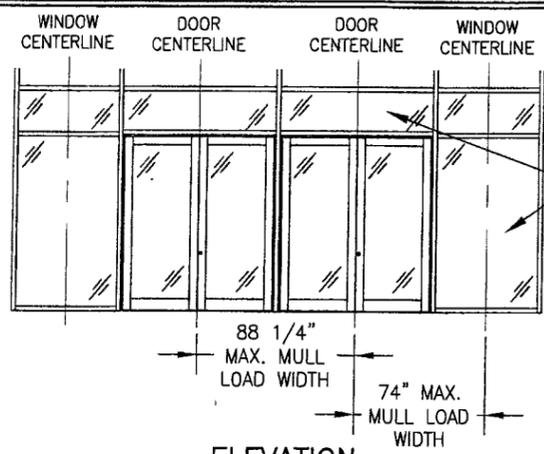
NOTE: THIS ELEVATION SHOWS THE 5600 CURTAIN WALL SYSTEM IN A SINGLE SPAN APPLICATION. ALL SINGLE SPAN APPLICATIONS ARE LIMITED BY EACH THE D.L.O. SIZES OF THE LIGHTS & THE HEIGHT/SPAN SHOWN. IF REQUIRED HEIGHT EXCEEDS THAT SHOWN IN THIS ELEVATION, THE SYSTEM MUST BE SUPPORTED AS TWO OR MORE SPANS PER THE MULTIPLE SPAN ELEVATION.

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

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-1212.11
 Expiration Date 06/27/07
 By *[Signature]*
 Miami Desk Product Control
 Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=48	DATE: 02/06/02
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE 6" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION AUG 31 2006 WARREN W. SCHAEFER, P.E. P.E. NO. 44133	DRAWING NO. 1090 SHEET NO. 2 OF 9

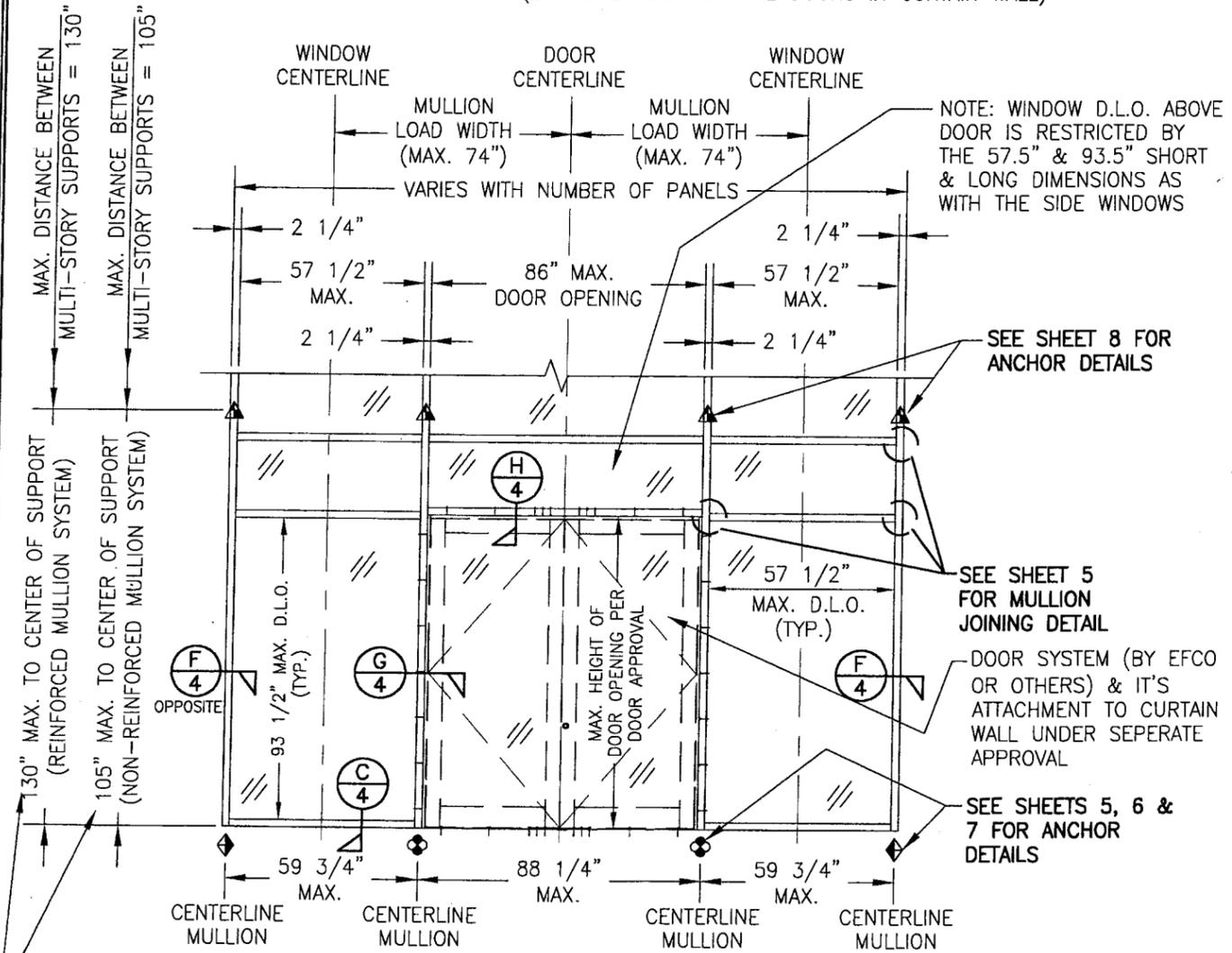
- ◆ = F OR TF-ANCHOR
- = M OR TM-ANCHOR
- = DEAD LOAD ANCHOR
- ▲ = WIND LOAD ANCHOR
- ⊙ = DOOR JAMB MULLION SHEAR BLOCK ANCHOR



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

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

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



NOTE: WINDOW D.L.O. ABOVE DOOR IS RESTRICTED BY THE 57.5" & 93.5" SHORT & LONG DIMENSIONS AS WITH THE SIDE WINDOWS

SEE SHEET 8 FOR ANCHOR DETAILS

SEE SHEET 5 FOR MULLION JOINING DETAIL

DOOR SYSTEM (BY EFCO OR OTHERS) & IT'S ATTACHMENT TO CURTAIN WALL UNDER SEPERATE APPROVAL

SEE SHEETS 5, 6 & 7 FOR ANCHOR DETAILS

EXTERIOR ELEVATION
CURTAIN WALL WITH DOOR
SCALE: 1/4"=1'-0"

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.

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.

ALLOWABLE FRAMING DESIGN PRESSURES

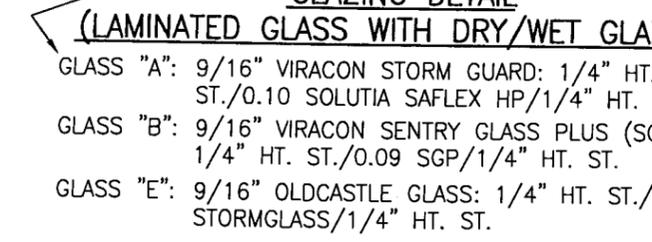
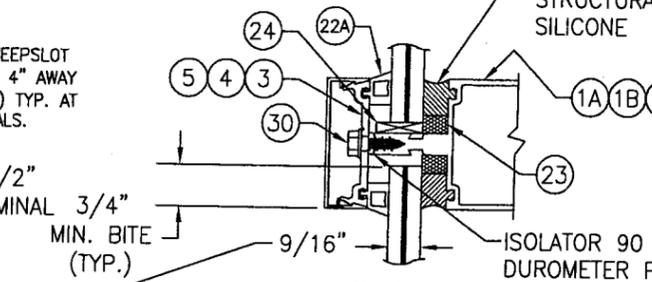
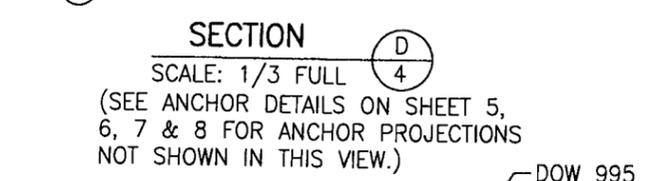
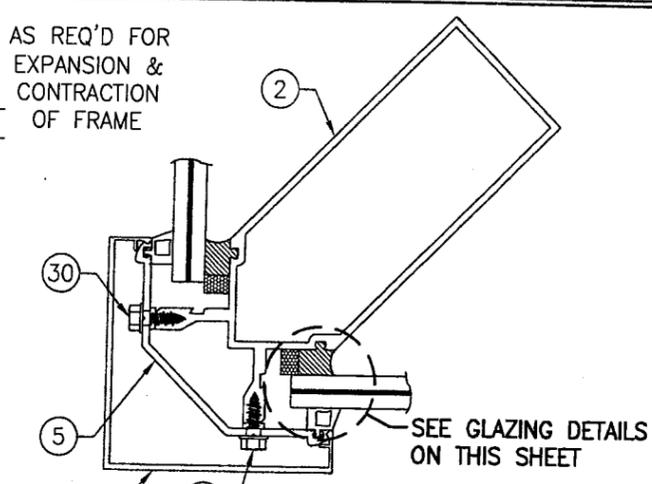
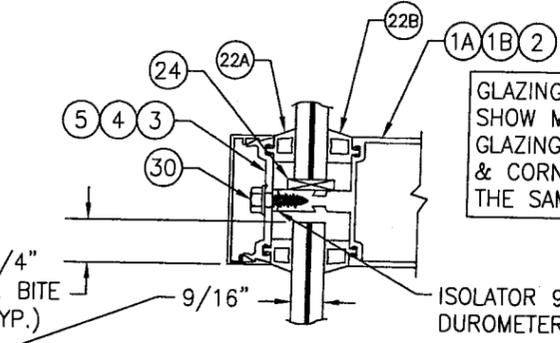
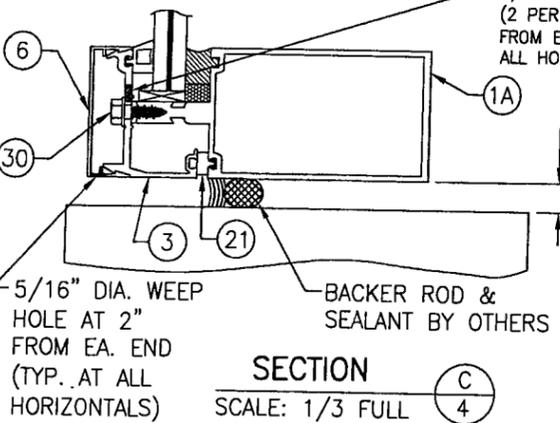
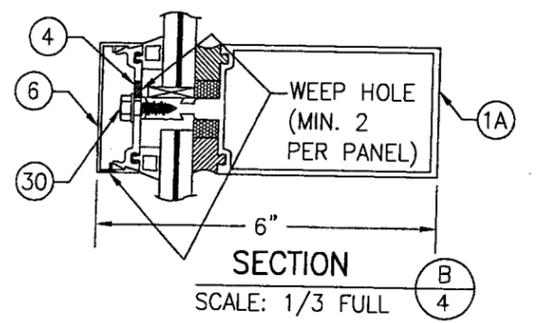
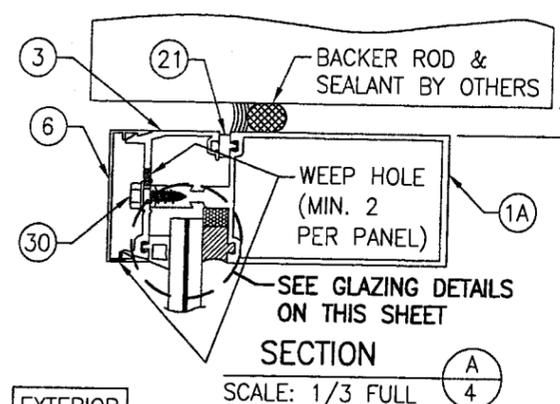
WITHOUT REINFORCMENT IN MULLIONS			WITH REINFORCED VERTICAL MULLIONS			
VERTICAL DISTANCE BETWEEN SUPPORTS	MAXIMUM MULLION LOAD WIDTH	ALLOWABLE DESIGN LOAD	VERTICAL DISTANCE BETWEEN SUPPORTS	MAXIMUM MULLION LOAD WIDTH	ALLOWABLE DESIGN LOAD	
		POSITIVE & NEGATIVE (PSF)			POSITIVE & NEGATIVE (PSF)	
72" & LESS	59 3/4"	90.0	84" & LESS	74"	90.0	
78"	48"	90.0	84" & LESS	80"	89.6	
	54"	87.3		88"	81.5	
84"	59 3/4"	78.9	90"	74"	90.0	
	42"	90.0		80"	83.7	
	48"	84.7		88"	76.0	
	84"	54"	75.3	96"	66"	90.0
		59 3/4"	68.1		74"	84.8
		66"	61.6		80"	78.4
90"	74"	55.0	104"	88"	71.3	
	80"	50.8		59 3/4"	90.0	
	88"	46.2		66"	87.7	
	90"	36"	90.0	112"	74"	78.3
		42"	84.3		80"	72.4
		48"	73.8		88"	65.8
		54"	65.6		59 3/4"	90.0
		59 3/4"	59.3		66"	81.5
		66"	53.7		74"	72.7
	98"	74"	47.9	120"	80"	67.2
80"		44.3	88"		61.1	
88"		40.3	48"		90.0	
30"		90.0	54"		81.0	
36"		83.0	59 3/4"		73.2	
42"		71.1	66"		66.2	
105"		48"	62.2	126"	74"	59.1
		54"	55.3		80"	54.7
		59 3/4"	50.0		88"	49.7
		66"	45.3		42"	90.0
	74"	40.4	48"		78.7	
	80"	37.3	54"		69.9	
	105"	88"	33.9	130"	59 3/4"	63.2
		24"	90.0		66"	57.2
		30"	81.0		74"	51.0
		36"	67.5		80"	47.2
42"		57.8	88"		42.9	
48"		50.6	36"		90.0	
54"		45.0	42"		81.9	
59 3/4"		40.7	48"		71.6	
66"	36.8	54"	63.7			
74"	32.8	59 3/4"	57.6			
80"	30.4	66"	52.1			
88"	27.6	74"	46.5			
			80"	43.0		
			88"	39.1		

1. THE LOADS IN THIS TABLE ARE APPLICABLE FOR SINGLE & MULTI SPAN SYSTEMS.
2. REGARDLESS OF LOAD WIDTHS SPECIFIED IN THIS TABLE, THE D.L.O. OF FIXED GLASS PANELS MAY NOT EXCEED 57 1/2" IN THEIR SHORT SIDE DIMENSION NOR 93 1/2" IN THEIR LONG SIDE DIMENSION.

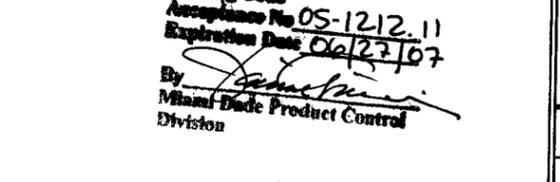
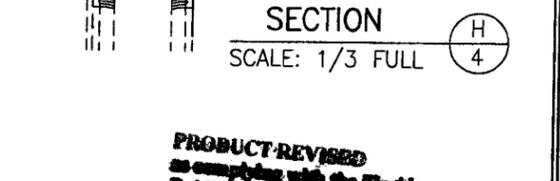
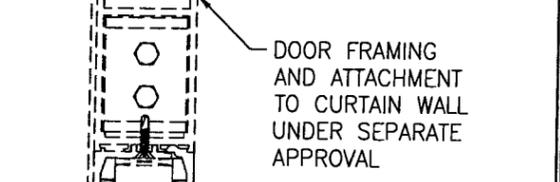
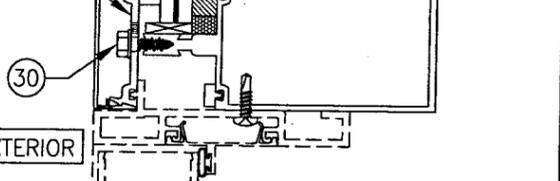
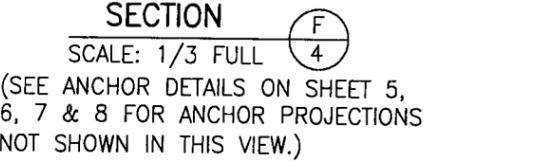
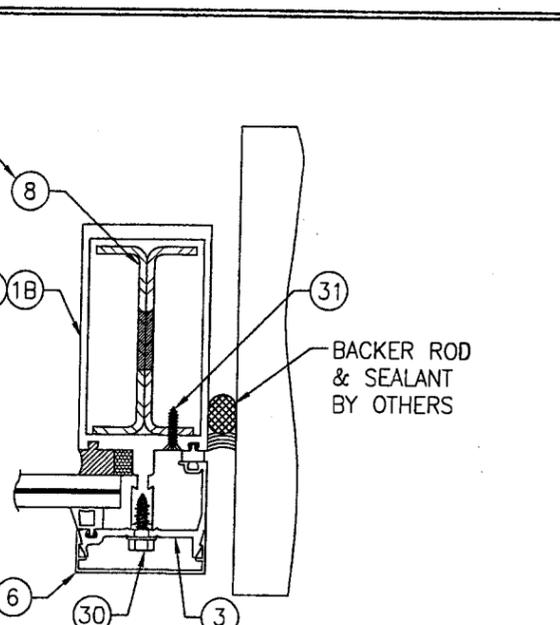
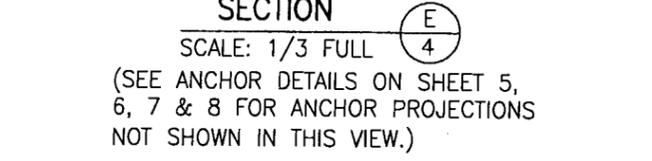
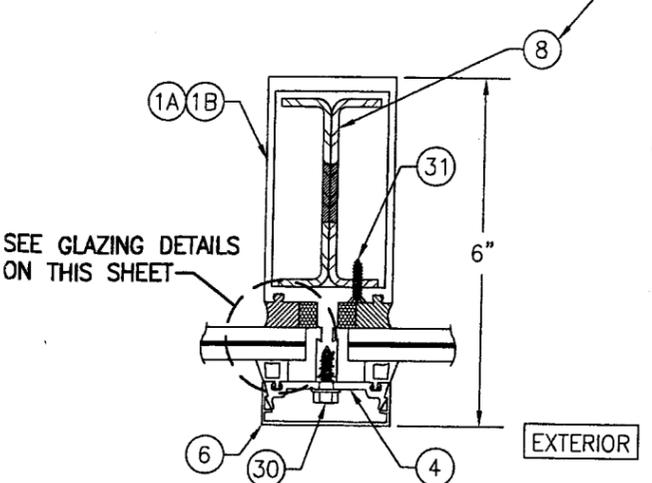
PRODUCT REVISED
in compliance with the Florida Building Code
Amplification No 05-1212.11
Expiration Date 06/27/07

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

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=48	DATE: 02/06/02
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 6" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER EFCO CORPORATION
1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION AUG 2 2006	WARREN W. SCHAEFER P.E. P.E. NO. 44135
DRAWING NO. 1090	REV. B
SHEET NO. 3 OF 9	



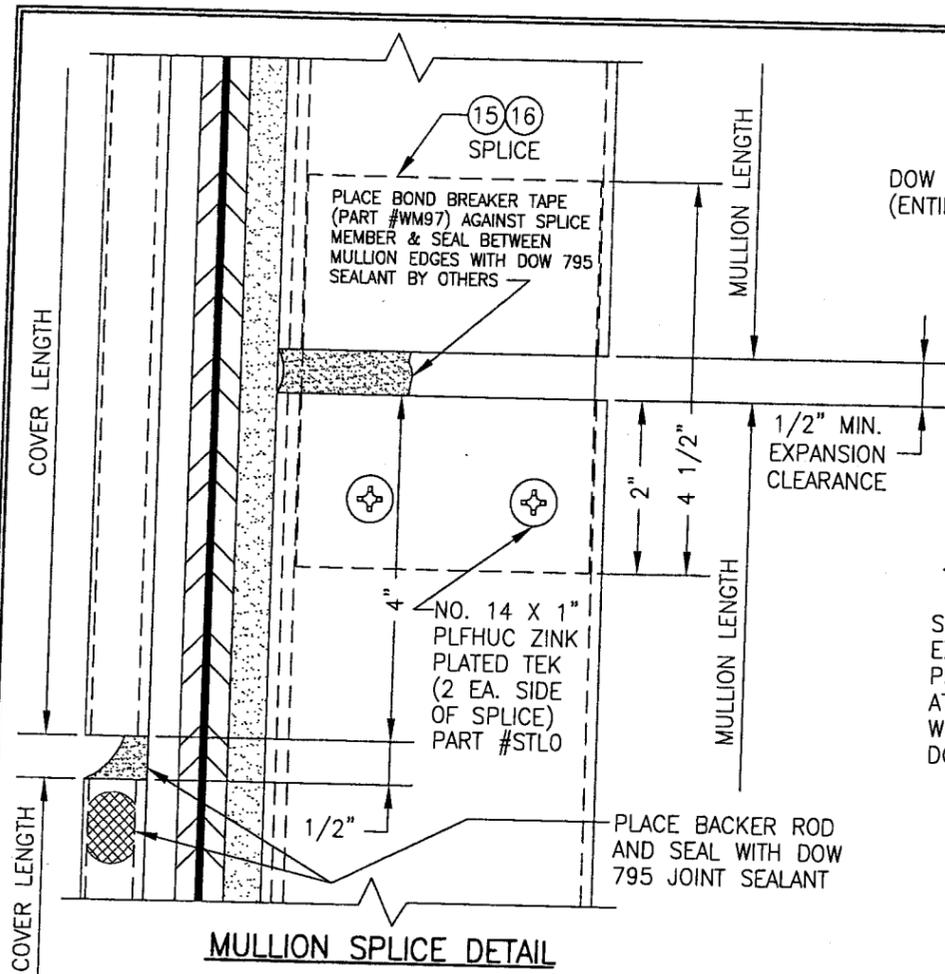
SEE LOAD TABLES ON SHEET 3 TO DETERMINE WHEN REINFORCEMENT IS REQUIRED.



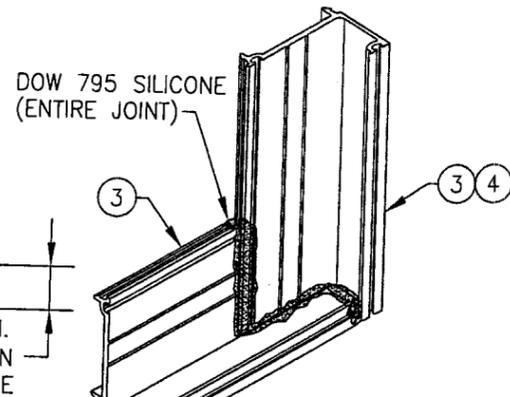
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 05-1212.11 Expiration Date 06/23/07

By *[Signature]* Miami Dade Product Control Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=3	DATE: 02/06/02
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE 6" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION AUG 31 2006	REV. B
DRAWING NO. 1090	SHEET NO. 4 OF 9

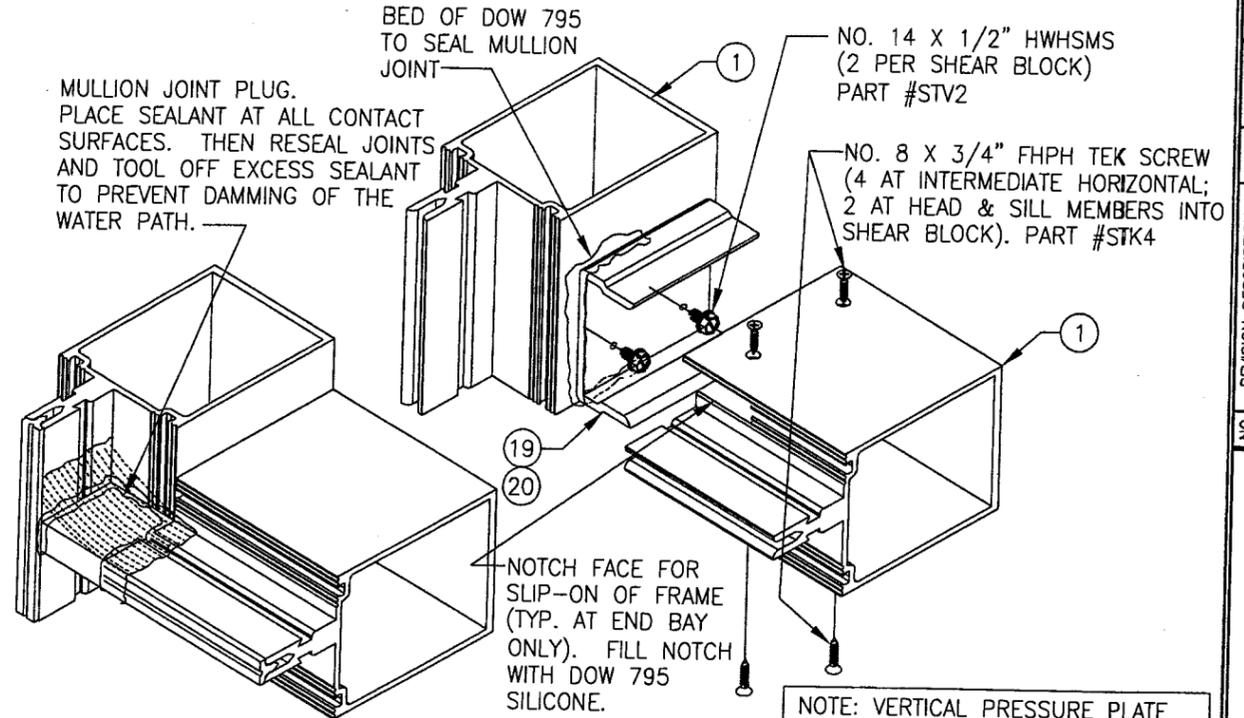


MULLION SPLICE DETAIL



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.

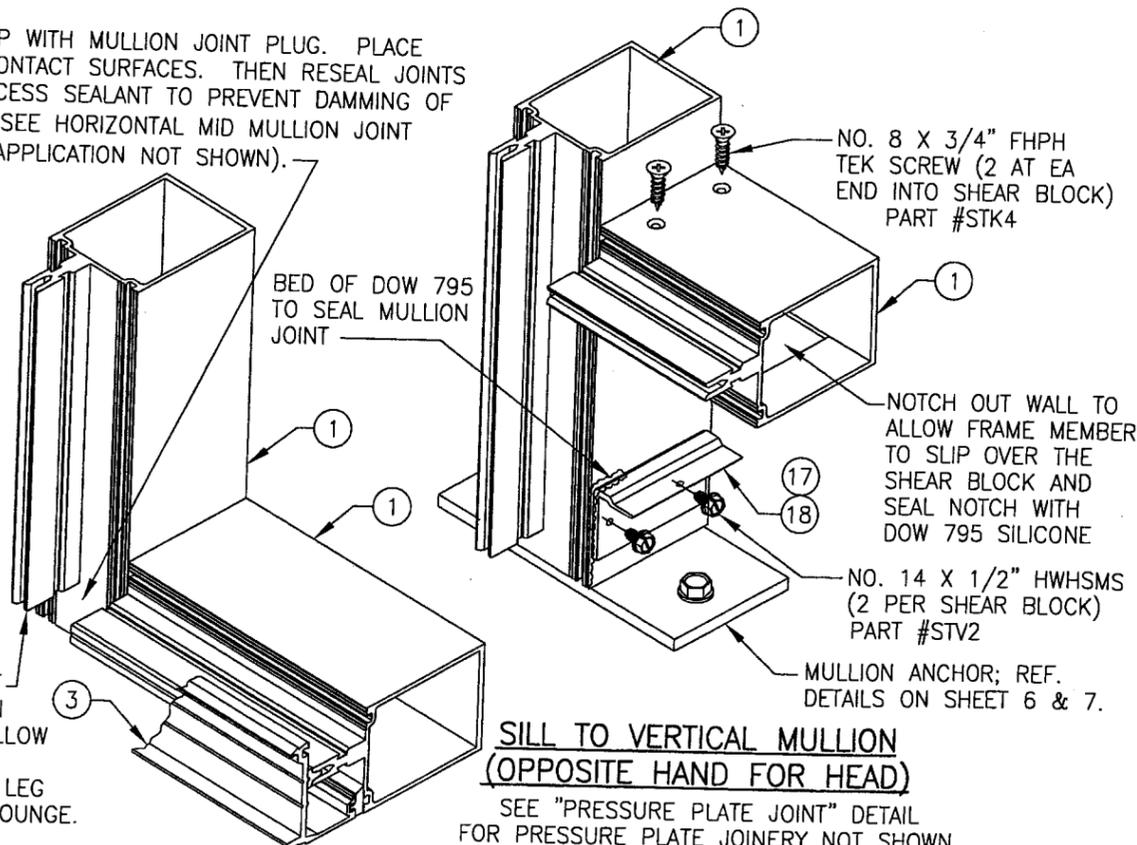


HORIZONTAL MID MULLION TO VERTICAL MULLION

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).

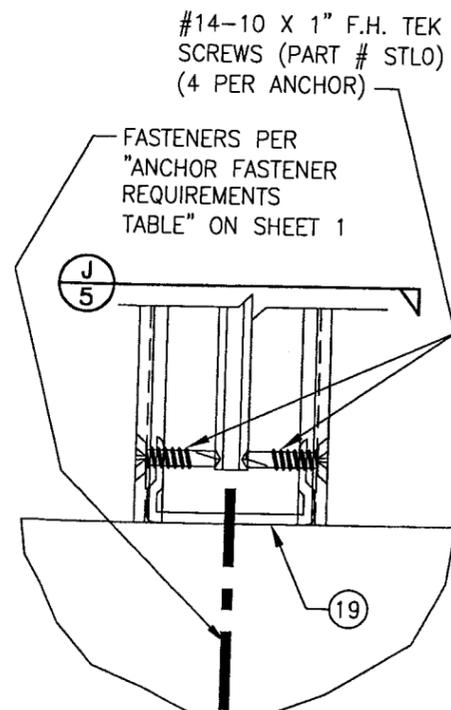
PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 05-1212.11
 Expiration Date 06/23/10
 By *[Signature]*
 Miami-Dade Product Control Division

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).



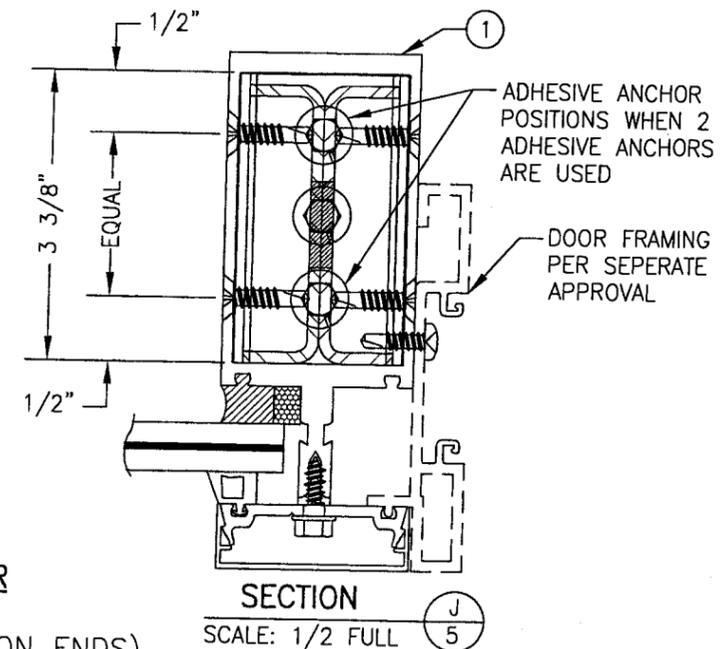
SILL TO VERTICAL MULLION (OPPOSITE HAND FOR HEAD)

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

DRAWN BY: W.W.S	CHECKED BY: W.W.S
PLOT: 1=2	DATE: 02/06/02
NO.	REVISION DESCRIPTION

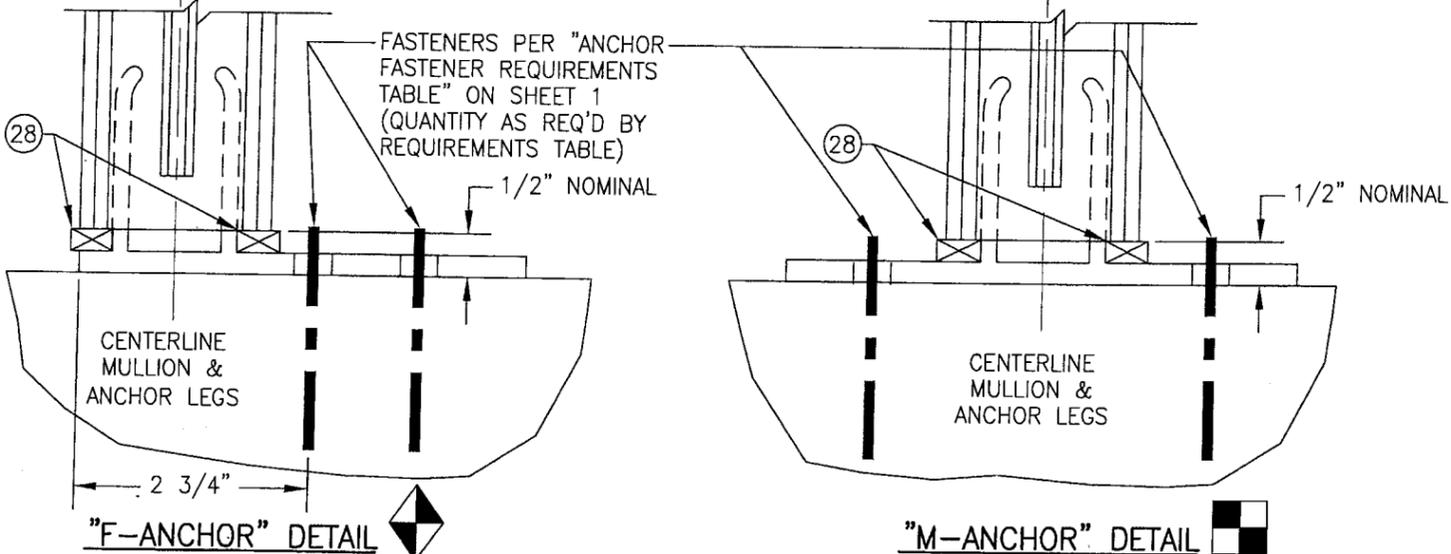
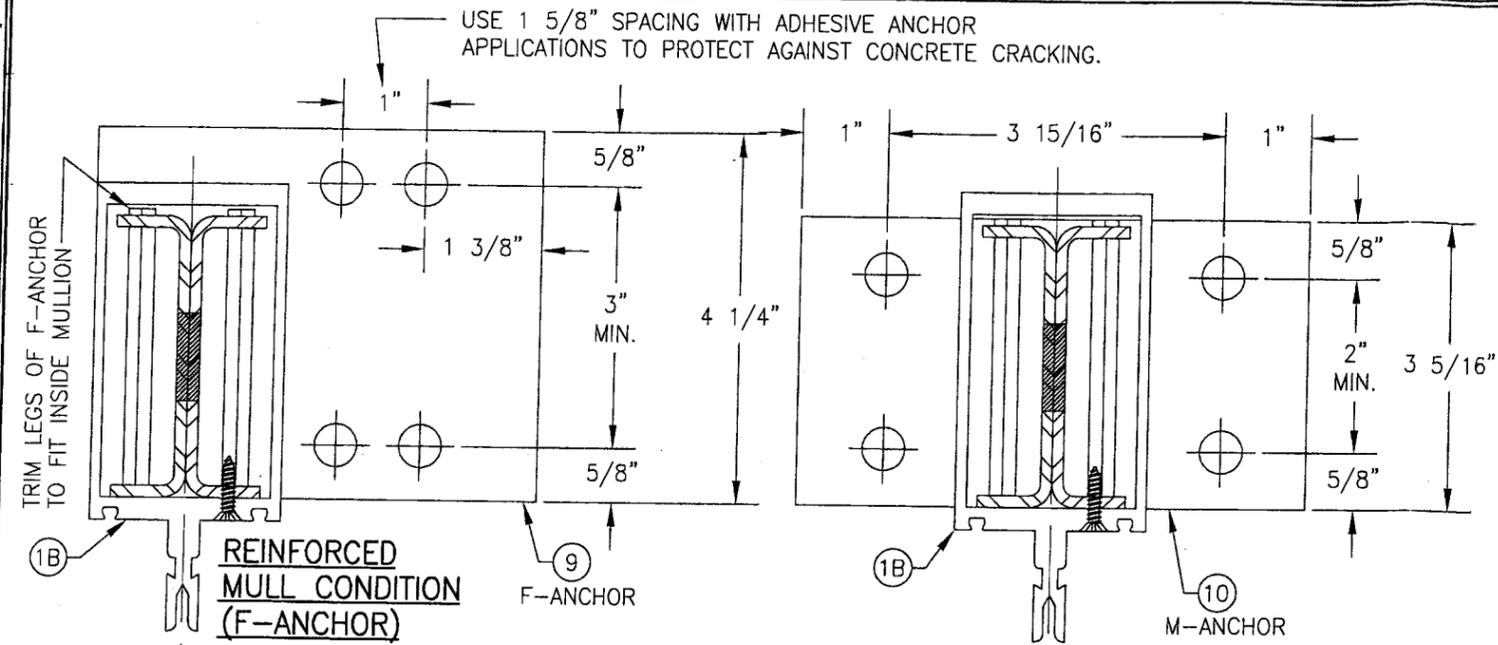
6" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM

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.
 8895 N. MILITARY TRAIL, SUITE C-204
 PALM BEACH GARDENS, FL 33410
 PHONE: 561-775-4902 FAX: 561-775-4903

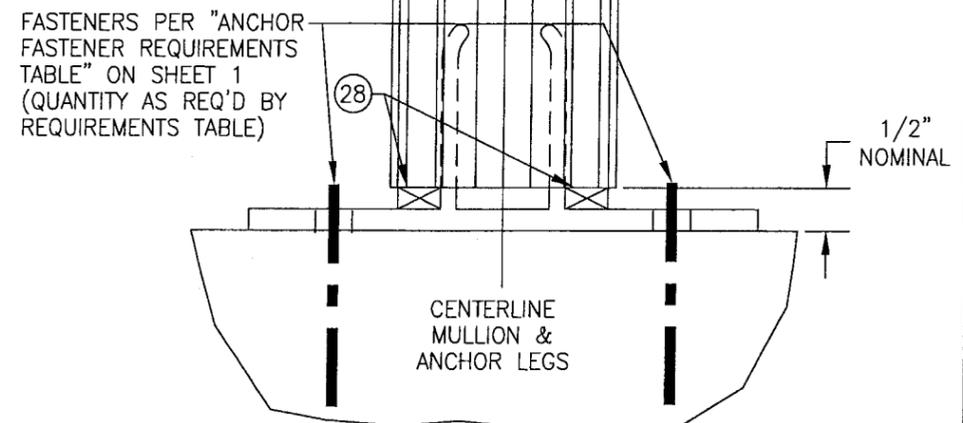
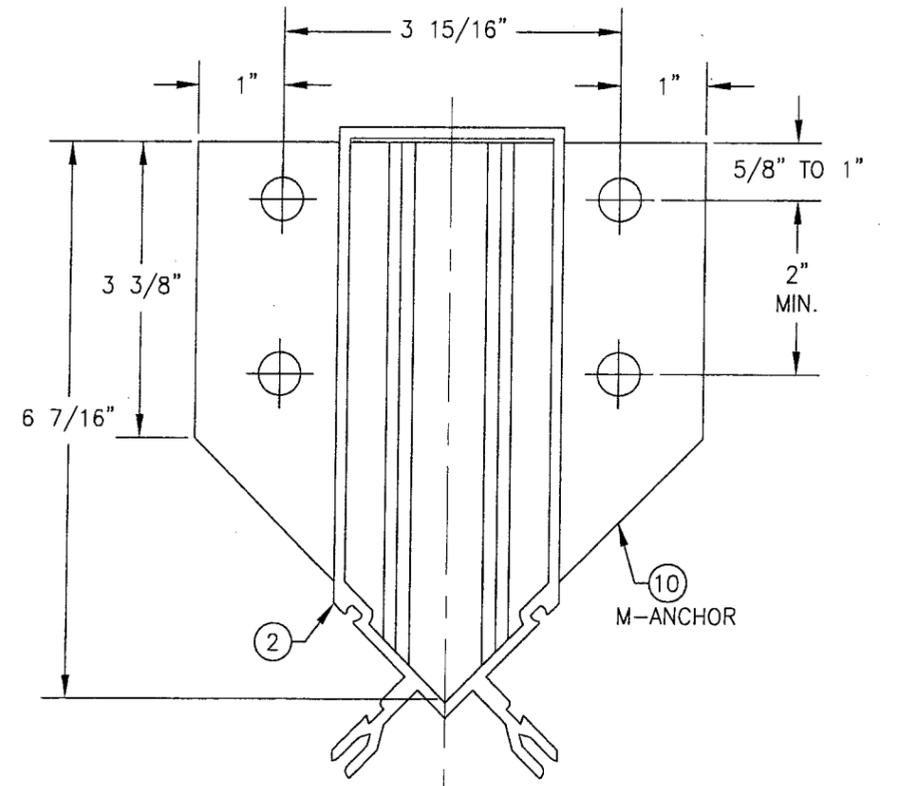
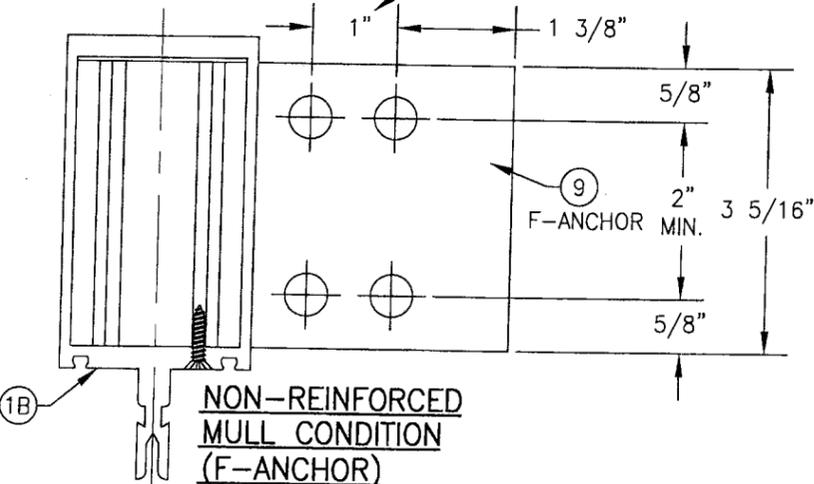
CERTIFICATION
 AUG 31 2005
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO. 1090	REV. B
SHEET NO. 5	OF 9



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

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

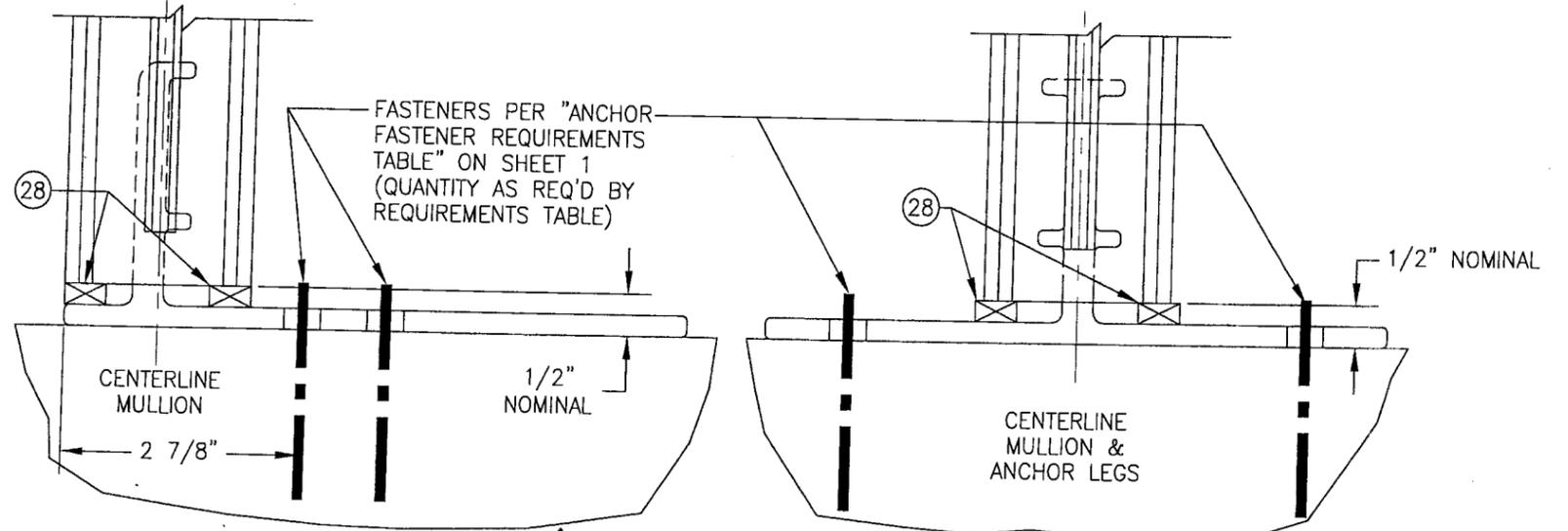
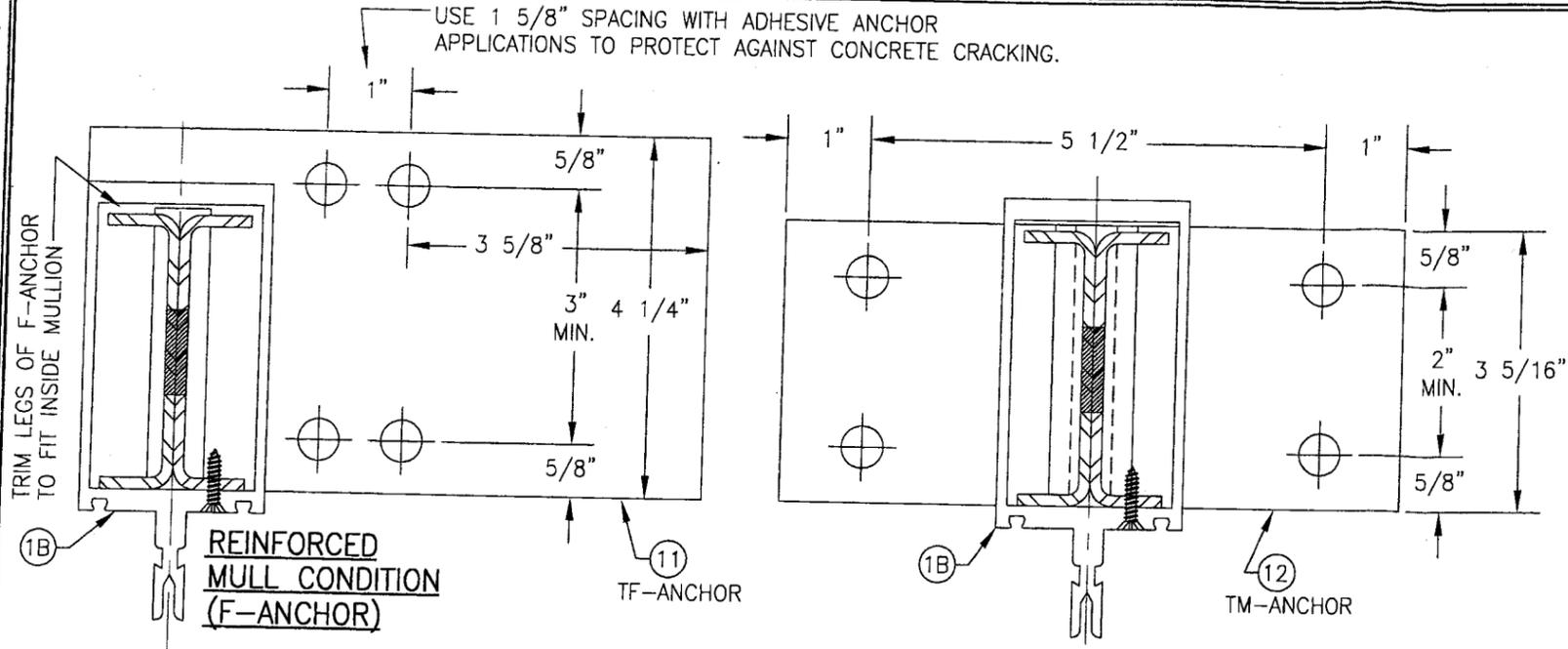


(TYP. AT CORNER MULLIONS)
NOTE: GLAZING & HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-1212-11
Expiration Date 06/27/07

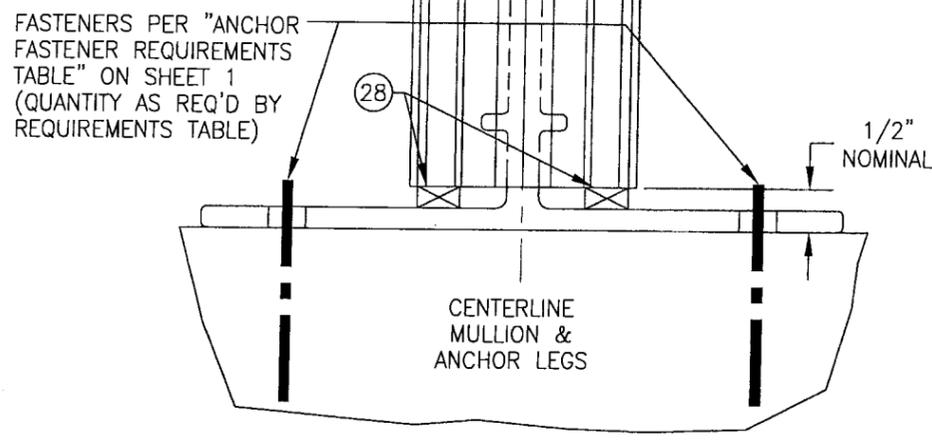
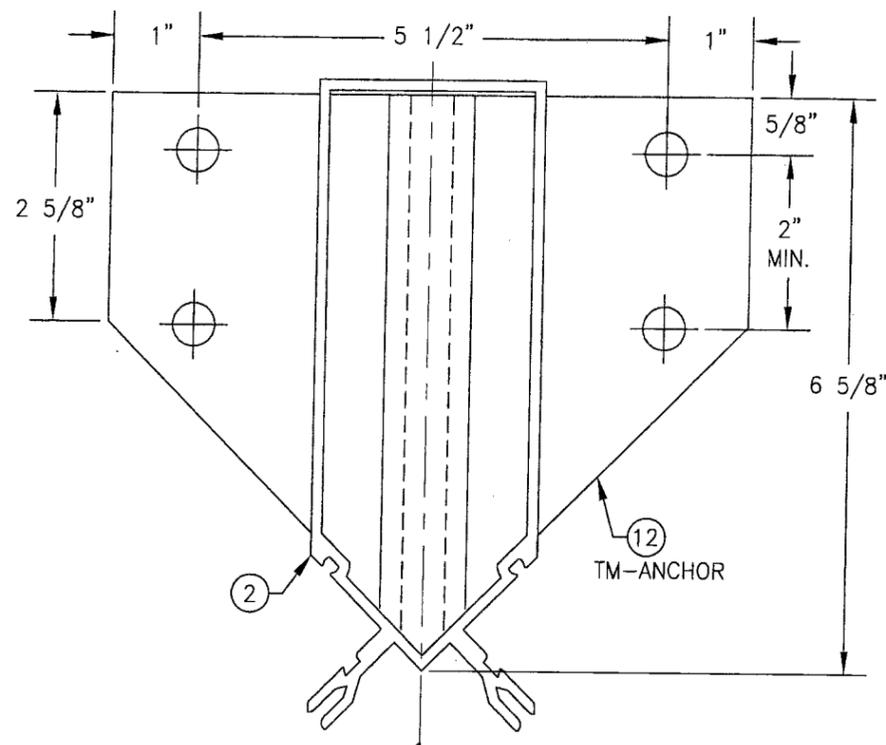
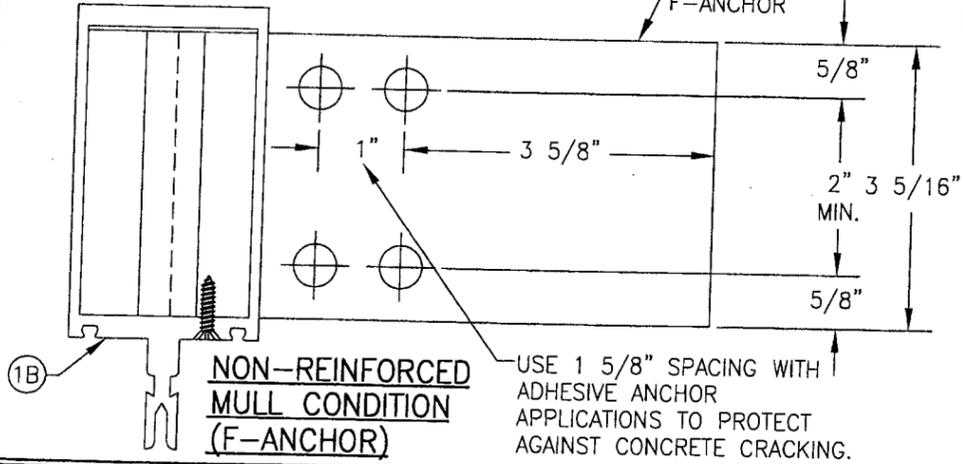
By *[Signature]*
Missile Blast Product Control
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/06/02
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 6" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER EFCO CORPORATION
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION AUG 31 2005	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1090	REV. B
SHEET NO. 6 OF 9	



"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.



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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-1212-11
Expiration Date: 06/23/07
By: *Warren W. Schaefer*
Missouri State Product Control Division

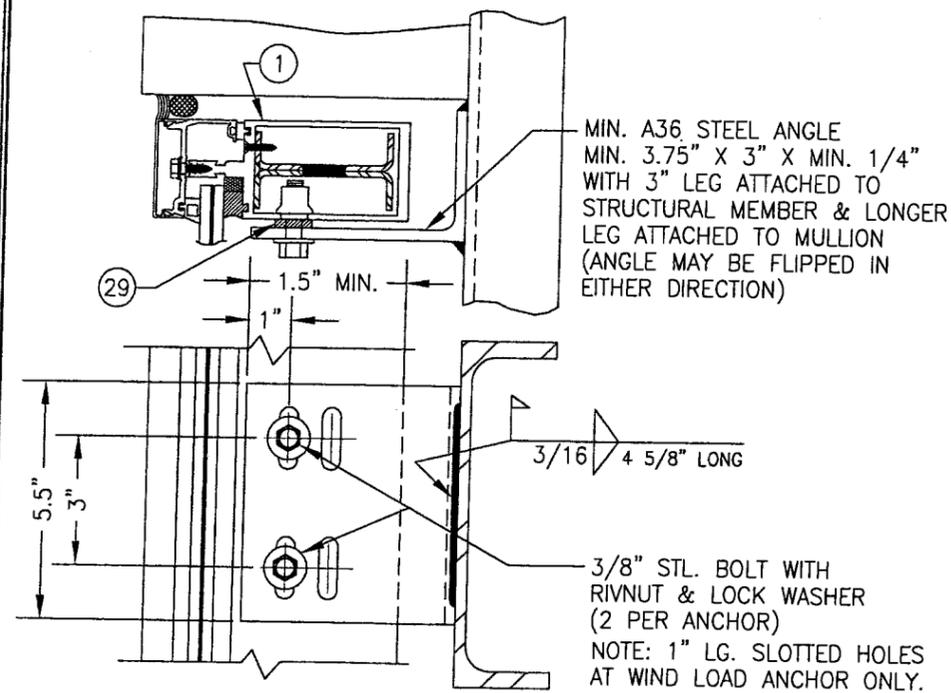
DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	02/06/02
DATE:			
BY:			
REVISION DESCRIPTION:			
NO.:			

DRAWING TITLE
6" DEEP SERIES 5600 LARGE MISSILE IMPACT CURTAIN WALL SYSTEM

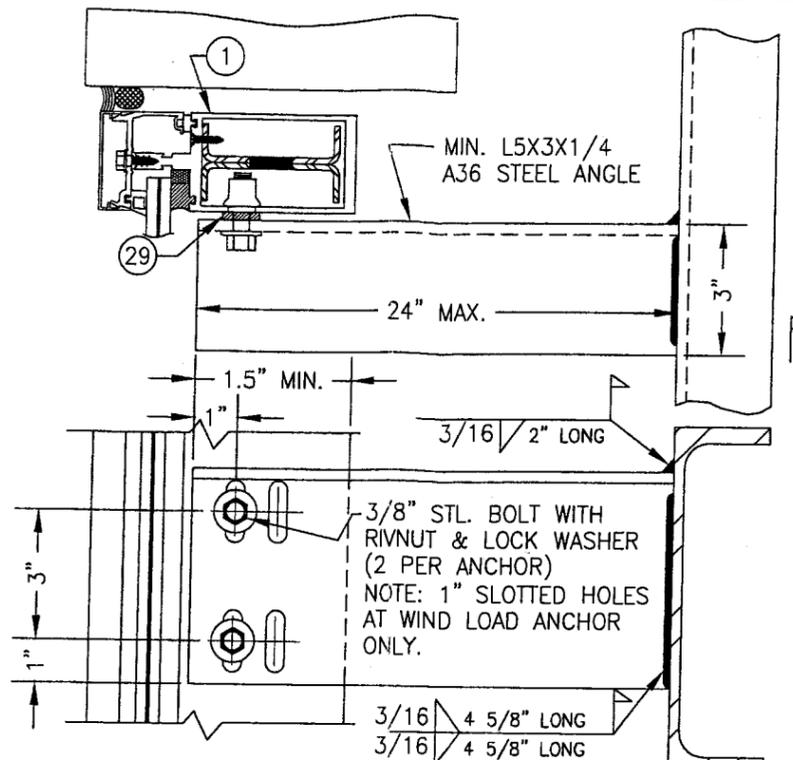
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8895 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4902 FAX: 561-775-4903

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

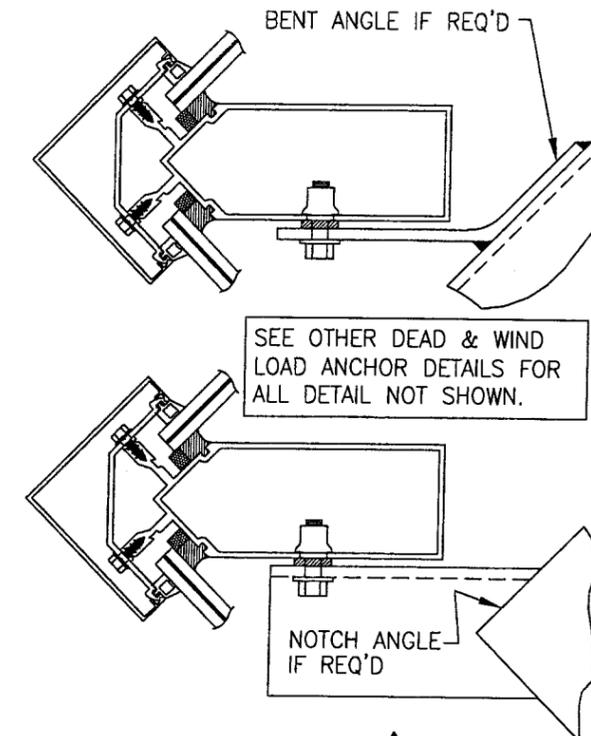
CERTIFICATION AUG 31 2006	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.	REV.
1090	B
SHEET NO.	7 OF 9



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

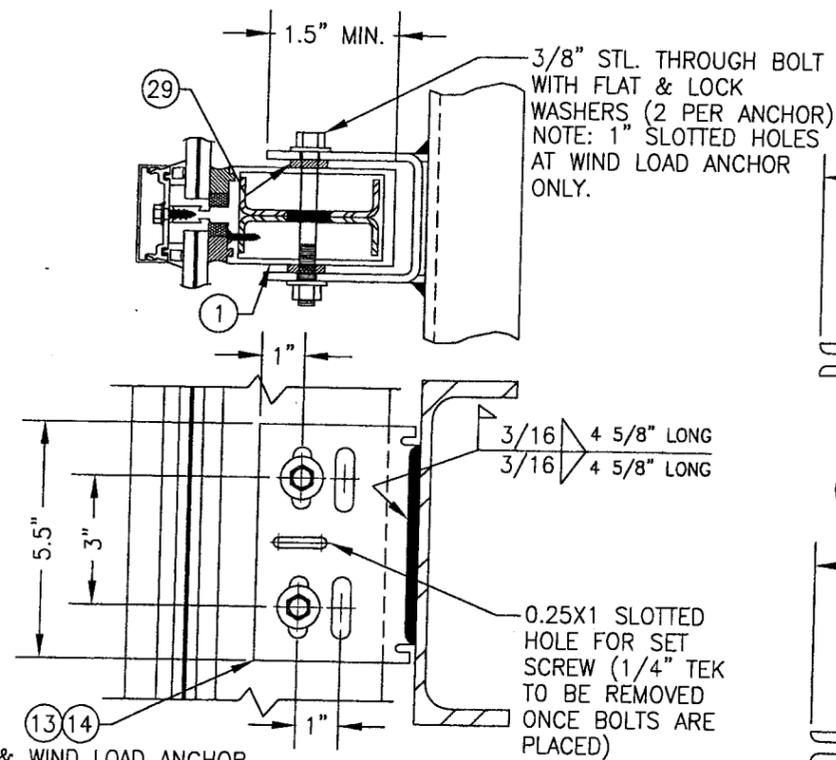


EXTENDED DEAD LOAD & WIND LOAD ANCHOR DETAIL
(TYP. AT JAMB MULLIONS)
(WIND LOAD ANCHOR HAS 1" LONG SLOTS FOR VERTICAL MOVEMENT)

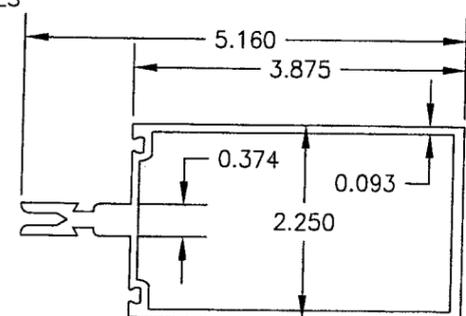


DEAD LOAD & WIND LOAD ANCHOR DETAIL
(TYP. AT CORNER MULLS)

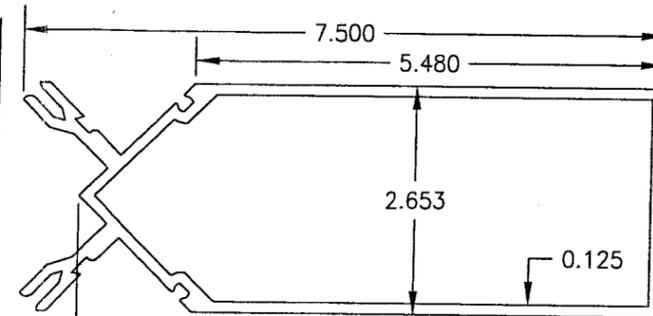
NOTE: DEAD LOAD & WIND LOAD ANCHOR DETAILS ARE SAME AT CORNER MULLION.



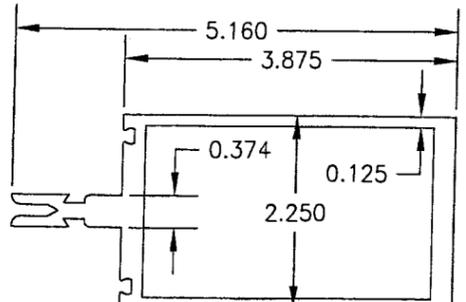
DEAD & WIND LOAD ANCHOR
DEAD LOAD & WIND LOAD ANCHOR DETAIL
(TYP. AT INTERMEDIATE MULLIONS)
(WIND LOAD ANCHOR HAS 1" LONG SLOTS FOR VERTICAL MOVEMENT)



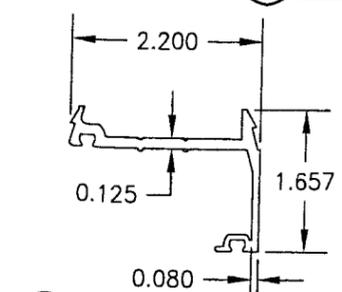
1A JAMB & MIDDLE MULLION



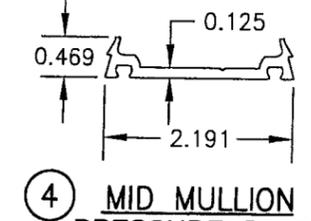
2 CORNER MULLION



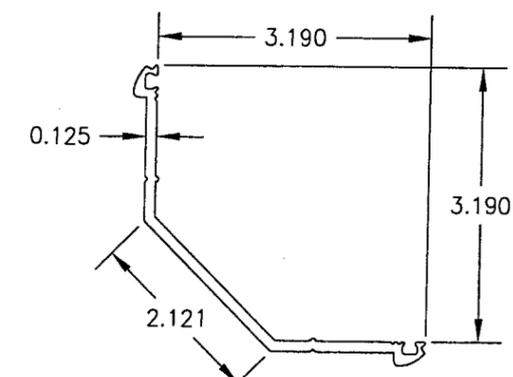
1B JAMB & MIDDLE MULLION



3 JAMB PRESSURE PLATE



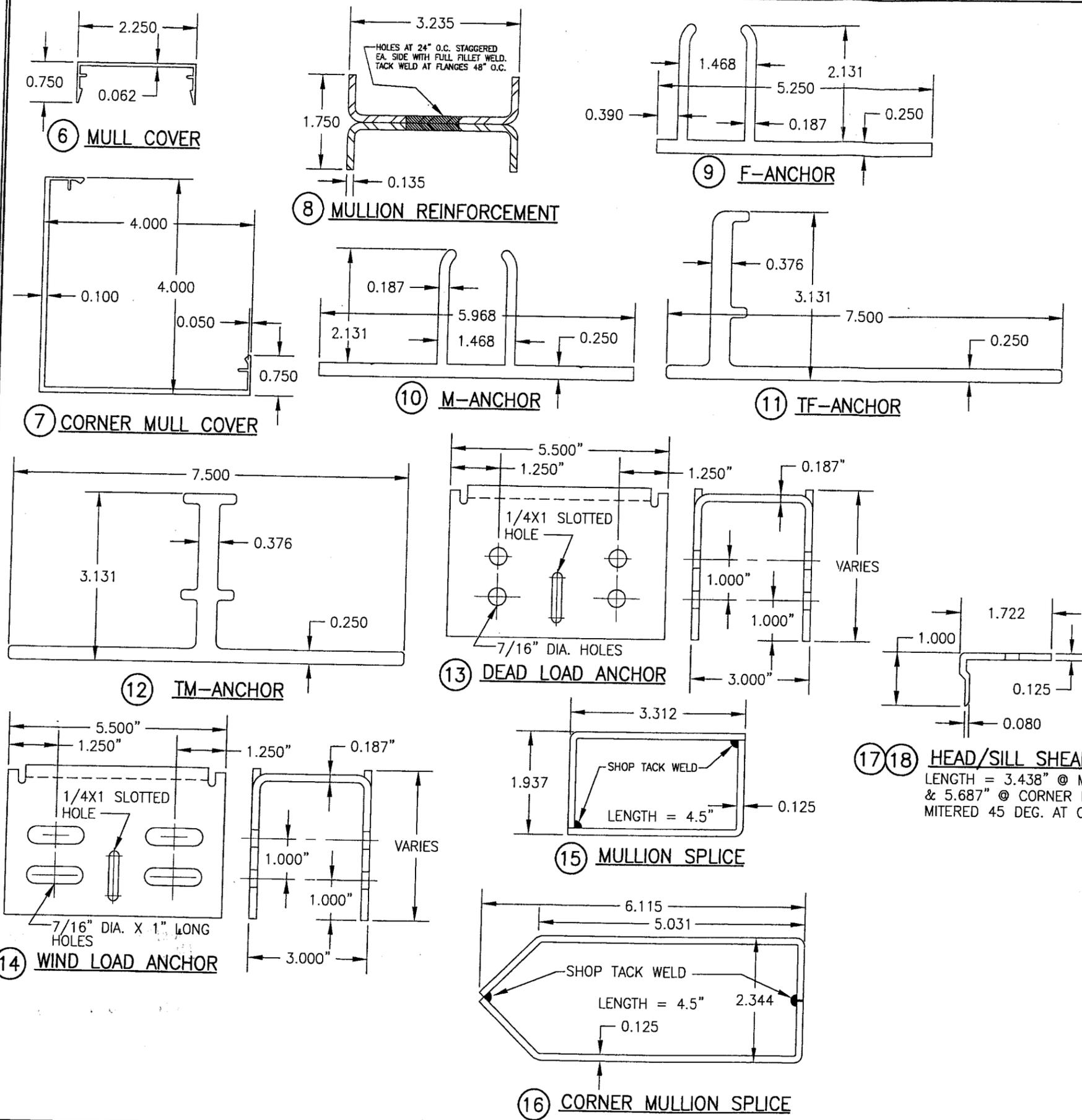
4 MID MULLION PRESSURE PLATE



5 CORNER MULL PRESSURE PLATE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 05-1212.11
Expiration Date 06/22/07
By *[Signature]*
Missed State Product Control
Division

DRAWN BY: W.W.S	CHECKED BY: W.W.S
PLOT: 1=2	DATE: 02/06/02
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE 6" 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.	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION <i>[Signature]</i> AUG 4 2005	W. W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1090	REV. B
SHEET NO. 8 OF 9	



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1A	5717	HORIZONTAL JAMB/MIDDLE MULLION	EFCO; 6063-T6 ALUMINUM
1B	5718	VERTICAL JAMB/MIDDLE MULLION	EFCO; 6063-T6 ALUMINUM
2	5089	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	SR5718A	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	KX78	MULLION SPLICE	EFCO; 6063-T6 ALUMINUM
16	KX65	CORNER MULLION SPLICE	EFCO; A36 MIN. STEEL
17	KY47/KY48 6333	HEAD/SILL SHEAR BLOCK	EFCO; 6063-T6 ALUMINUM
18	KT52/KT53 6333	HEAD/SILL SHEAR BLOCK (CORNER MULL)	EFCO; 6063-T6 ALUMINUM
19	KW02/5871	MID MULL SHEAR BLOCK	EFCO; 6063-T6 ALUMINUM
20	KW58/5871	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.
PLOT: 1=2	DATE: 02/06/02
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
6" 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.
 8895 N. MILITARY TRAIL, SUITE C-204
 PALM BEACH GARDENS, FL 33410
 PHONE: 561-775-4902 FAX: 561-775-4903

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 05-1212-11
 Expiration Date 06/27/07
 By *[Signature]*
 Miami Dade Product Control
 Division

CERTIFICATION	REV.
<i>[Signature]</i>	B
DRAWING NO.	1090
SHEET NO.	9 OF 9