



**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; P.O. Box 609
Monett, MO 65708-0609**

SCOPE:

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

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

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

DESCRIPTION: Series 5800 – 6” Deep Frame - Aluminum Curtain Wall System

APPROVAL DOCUMENT: Drawing No.1049, titled “Series 5800 Curtain Wall Impact System (6” Deep Frame)”, sheets 1 through 7 of 7, dated 04/20/01 with revision A3 dated 04/09/03, 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

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 # 01-0525.03 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



**NOA No 03-0611.16
Expiration Date: February 21, 2006
Approval Date: July 22, 2004
Page 1**

EFCO Corporation

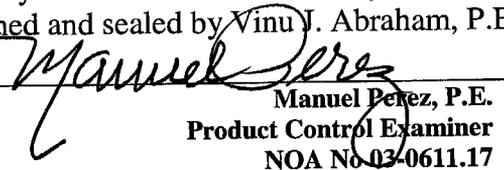
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1049**, titled "Series 5800 Curtain Wall Impact System (6" Deep Frame)", sheets 1 through 7 of 7, dated 4/20/01 with revision A3 dated 4/9/03, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per 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 **Specimen #1 (EFCO elevation A)**, a 6" deep aluminum curtain wall system with a 9/16" thick overall **Security Impact Glass SAF-GLAS** polycarbonate laminated glass (w/two 1/4" HS lites), prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0113-04**, dated 4/22/09, signed and sealed by Vinu J. Abraham, P.E.
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 203-94
along with installation diagram of **Specimen #2 (EFCO elevation D)**, a 6" deep aluminum curtain wall system with a 5/8" thick overall **Viracon HRG2** polycarbonate laminated glass (two 1/4" HS lites); a 5/8" thick overall **Glasslam SAFETY PLUS** laminated glass (two 1/4" HS lites); and 9/16" thick overall **Globe Amerada polycarbonate** laminated glass (two 3/16" **Chem-Temp**, annealed lites), prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0202-00**, dated 2/16/00, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA# 01-0525.03*)
3. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of **Specimen #2 (EFCO elevation G)**, a 6" deep aluminum curtain wall system with a 9/16" thick overall **Security Impact Glass SAF-GLAS** polycarbonate laminated glass (two 1/4" HS lites), prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0414-00**, dated 4/24/00, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA# 01-0525.03*)
4. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of **Specimen #4 (EFCO elevation G)**, a 6" deep aluminum curtain wall system with a 5/8" thick overall **Viracon HRG2** polycarbonate laminated glass (two 1/4" HS lites), prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0414-00**, dated 4/25/00, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA# 01-0525.03*)

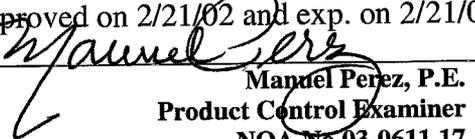

Manuel Perez, P.E.
Product Control Examiner
NOA No. 03-0611.17

Expiration Date: February 21, 2006
Approval Date: July 22, 2004

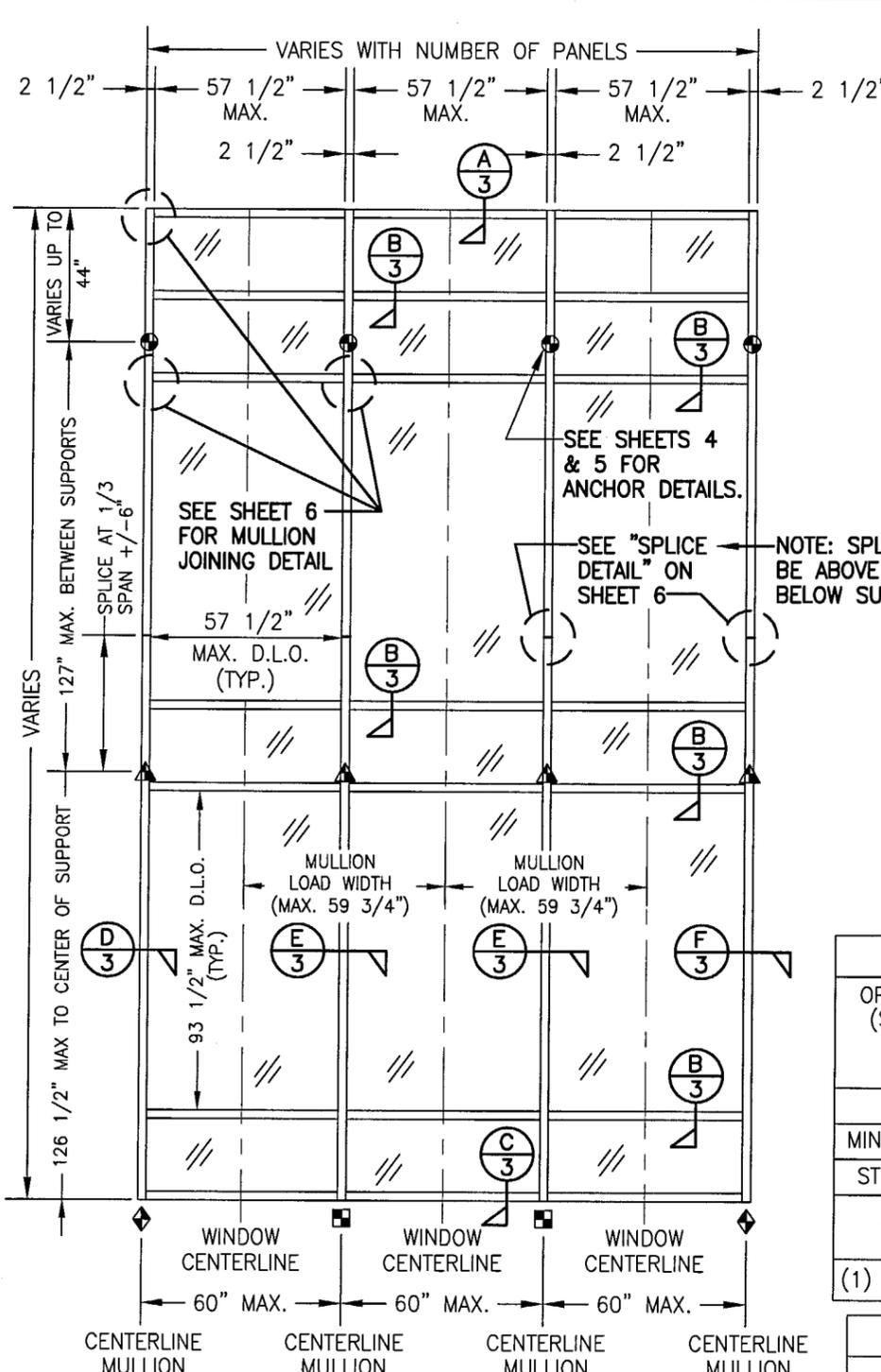
EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of **Specimen #7 (EFCO elevation H)**, a 6" deep aluminum curtain wall system with a 5/8" thick overall **Glasslam SAFETY PLUS** laminated glass (two 1/4" HS lites); and a 9/16" thick overall **Security Impact Glass SAF-GLAS** polycarbonate laminated glass (two 1/4" HS lites), prepared by Hurricane Test Laboratory, Test Report No. **HTL-0046-0414-00**, dated 4/28/00, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA# 01-0525.03*)
- C. CALCULATIONS**
1. Anchor Calculations, dated 04/08/03 and revised on 05/17/04, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Anchor Calculations and structural analysis, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 4/20/01, signed and sealed by Warren W. Schaefer, P.E. (*Submitted under NOA# 01-0525.03*)
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS (*Submitted under NOA# 01-0525.03*)**
1. Notice of Acceptance No. **02-1205.03** issued to Security Impact Glass Holdings L.L.C. for "SAF-GLAS," dated 1/2/03, expiring on 12/16/07.
2. Notice of Acceptance No. **00-0524.06** issued to Nebula Glass International Inc. for "Glasslam Safety-Plus Laminated Glass," dated 9/21/00, expiring on 9/9/03.
3. Notice of Acceptance No. **00-0614.09** issued to Viracon Inc. for "HRG-2 Laminated Glass," dated 11/2/00, expiring on 10/16/03.
4. Notice of Acceptance No. **02-0115.03** issued to Globe Amerada Glass Co. for "Glass-Clad Polycarbonate," dated 2/7/02, expiring on 9/3/076
5. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc. for "Saflex/Keepsafe Maximum," dated 5/17/01, expiring on 5/21/06.
- F. STATEMENTS**
1. Statement letter of conformance, dated April 24, 2001, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated April 24, 2001, signed and sealed by Warren W. Schaefer, P.E.
- G. OTHER**
1. Notice of Acceptance No. **01-0525.03**, issued to EFCO Corporation, Series 5800 – 6" Deep Frame – Alum. Curtain Wall System, approved on 2/21/02 and exp. on 2/21/06.

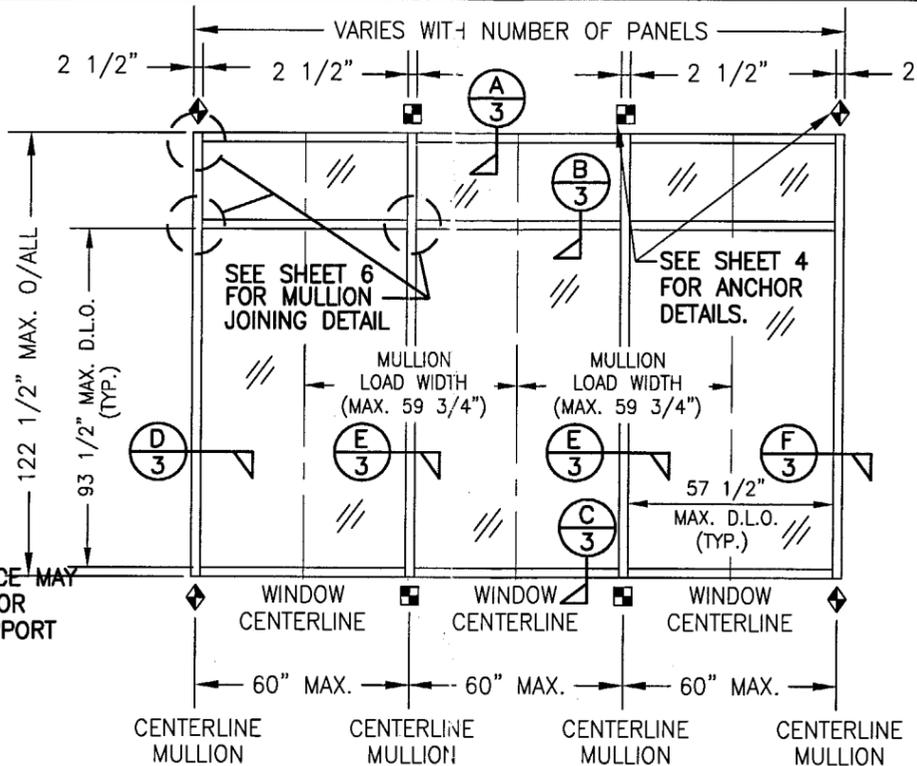

Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0611.17

Expiration Date: February 21, 2006
Approval Date: July 22, 2004



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

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



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

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

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

GENERAL NOTES

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 FLORIDA BUILDING CODE (FBC).
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 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. Fy = 36 ksi.

"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	4	3"	1"
MIN. 16 GA. STUD	NO. 14 TEK SCREW	3	4	FULL	1/2"
STRUCT. STEEL	NO. 14 TEK SCREW	3	4	FULL	1/2"
CONCRETE	3/8" HILTI QUIK BOLT II S.S. EXPANSION ANCHOR OR 3/8" S.S. RAWL POWER-BOLT	2	4	2 1/2"	()

(1) PREDRILL REQUIRED SIZE HOLES IN WOOD FOR PLACEMENT OF LAG SCREWS.

HILTI QUIK BOLT II REQUIRES MIN. 3" EDGE DISTANCE. RAWL POWER-BOLT REQUIRES MIN. 2 1/2" EDGE DISTANCE

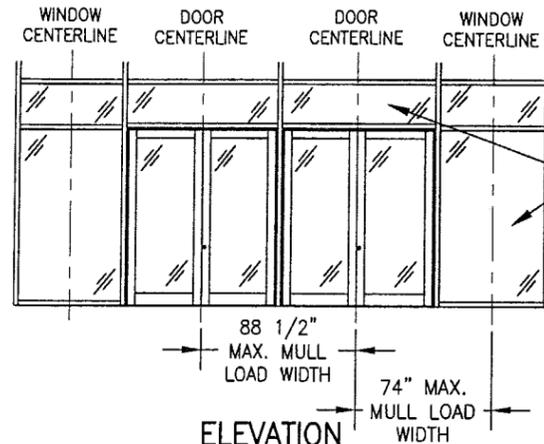
ALLOWABLE DESIGN LOADS & IMPACT RATING

GLAZING DESCRIPTION	IMPACT RATING	ALLOWABLE PRESSURE	
		POSITIVE	NEGATIVE
5/8" VIRACON HRG2 LAMINATED HT. ST. GLASS	LARGE MISSILE	SEE LOAD TABLE	SEE LOAD TABLE
9/16" SOLUTIA SAFLEX PVB LAMINATED HT. ST. GLASS	SMALL MISSILE (1)	SEE LOAD TABLE	SEE LOAD TABLE
(2) 9/16" GLOBE CHEM TEMP LAMINATED GLASS	LARGE MISSILE	SEE LOAD TABLE (N.T.E. 60 PSF)	SEE LOAD TABLE (N.T.E. 60 PSF)
9/16" SECURITY SAF-GLAS LAMINATED HT. ST. GLASS	LARGE MISSILE	SEE LOAD TABLE	SEE LOAD TABLE
5/8" GLASSLAM SAFETY-PLUS LAMINATED HT. ST. GLASS	LARGE MISSILE	SEE LOAD TABLE	SEE LOAD TABLE

(1) SMALL MISSILE IMPACT WINDOWS MAY NOT BE INSTALLED WITHOUT AN APPROVED SHUTTER AT A SILL ELEVATION LESS THAN 30 FT. ABOVE GRADE.
(2) ALLOWABLE PRESSURE ON SYSTEM WHEN GLOBE GLASS IS USED MAY NOT EXCEED (N.T.E.) +/- 60 PSF.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 03-061116 Expiration Date FEB. 21, 2006
By *Warren W. Schaeffer* Miami/Dade Product Control Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.		
PLOT: 1-48	DATE: 04/20/01		
NO.	REVISION DESCRIPTION	DATE	BY
A1	ADDED DOOR OPENING CONDITION	04/09/03	K.P.S.
A2	ADDED TF & TM ANCHORS	04/09/03	K.P.S.
A3	INCREASED PRESSURE FOR GLOBE GLASS FOR PROPER LOAD MULTIPLIER	04/09/03	K.P.S.
DRAWING TITLE: SERIES 5800 CURTAIN WALL IMPACT SYSTEM (6" DEEP FRAME)			
MANUFACTURER: EFCO CORPORATION			
CONSULTANTS: W. W. SCHAEFFER 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 12 2003			
WARREN W. SCHAEFFER, P.E. P.E. NO. 44135			
DRAWING NO. 1049	REV. A	SHEET NO. 1 OF 7	

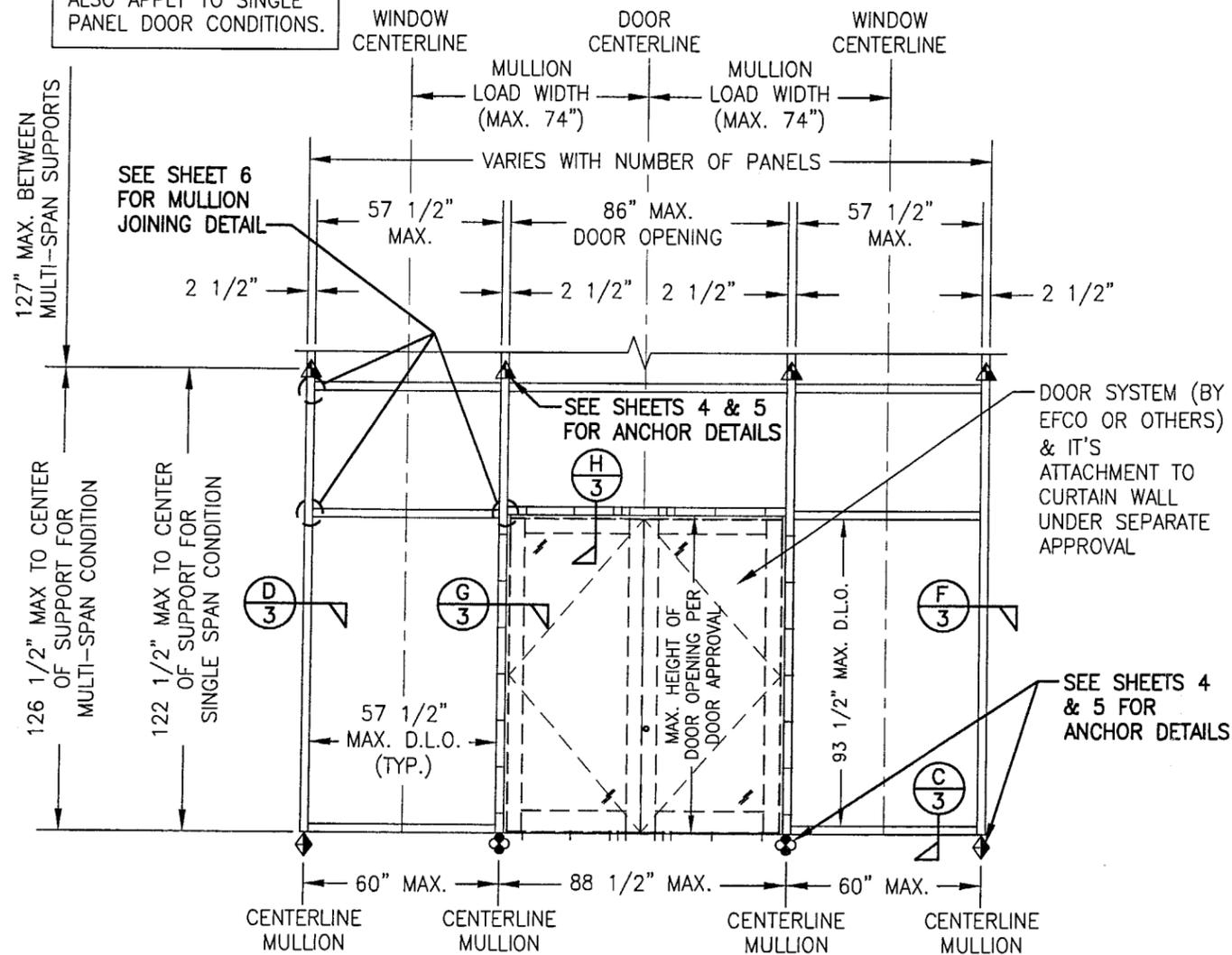


NOTE: ALL WINDOW D.L.O.'S ARE RESTRICTED BY THE 57.5" & 93.5" SHORT & LONG DIMENSIONS AS WITH THE OTHER ELEVATIONS

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

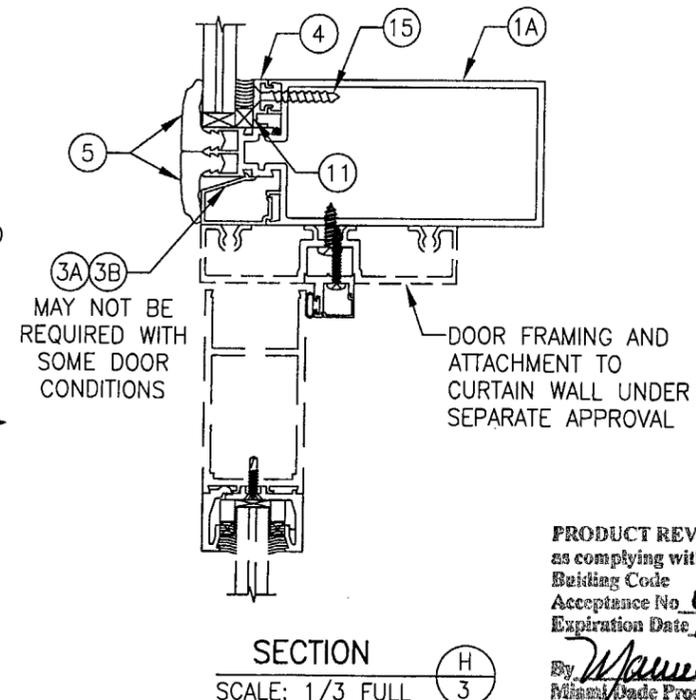
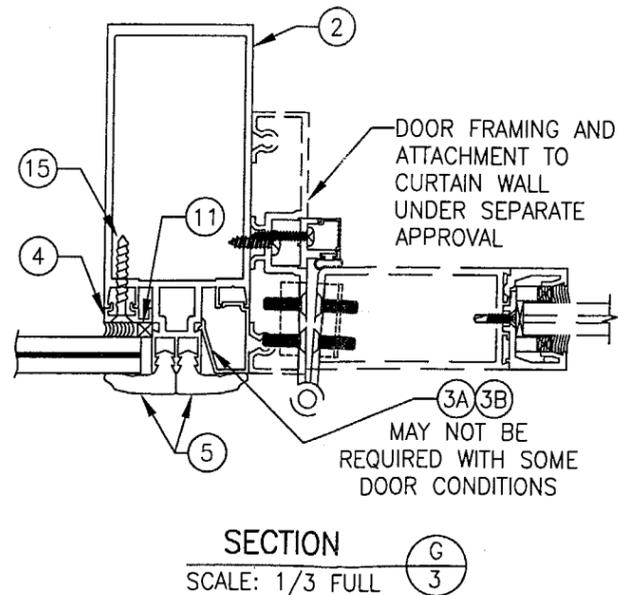
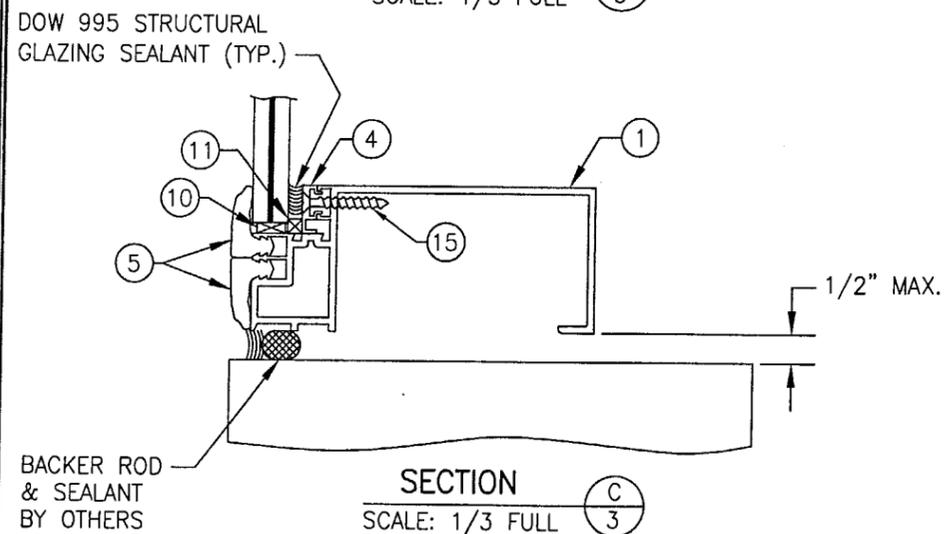
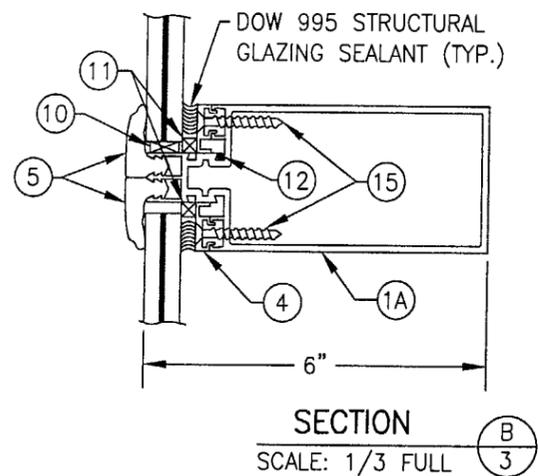
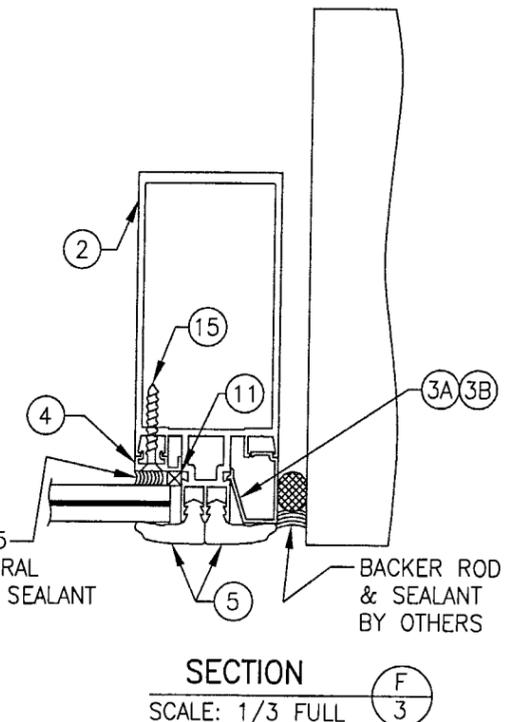
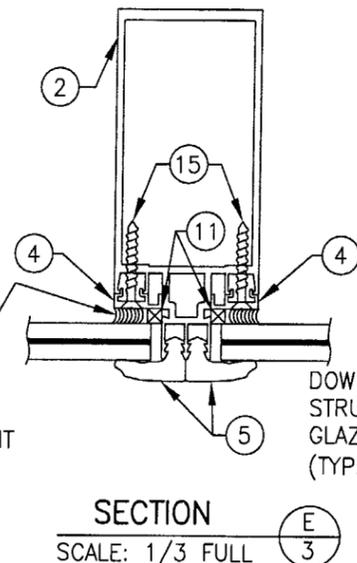
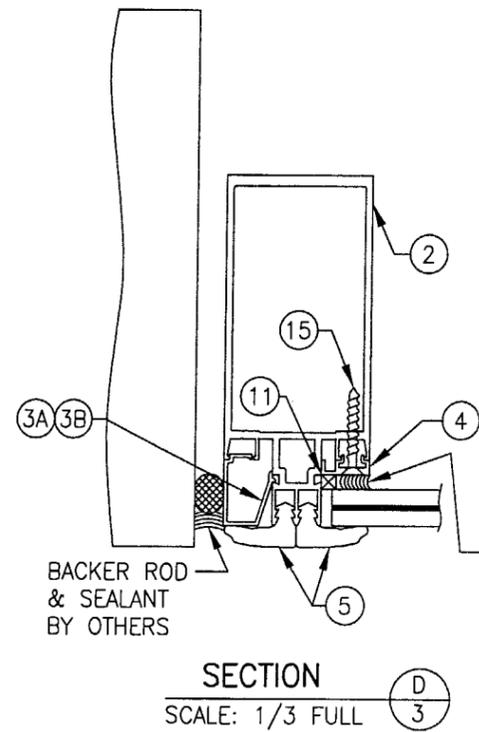
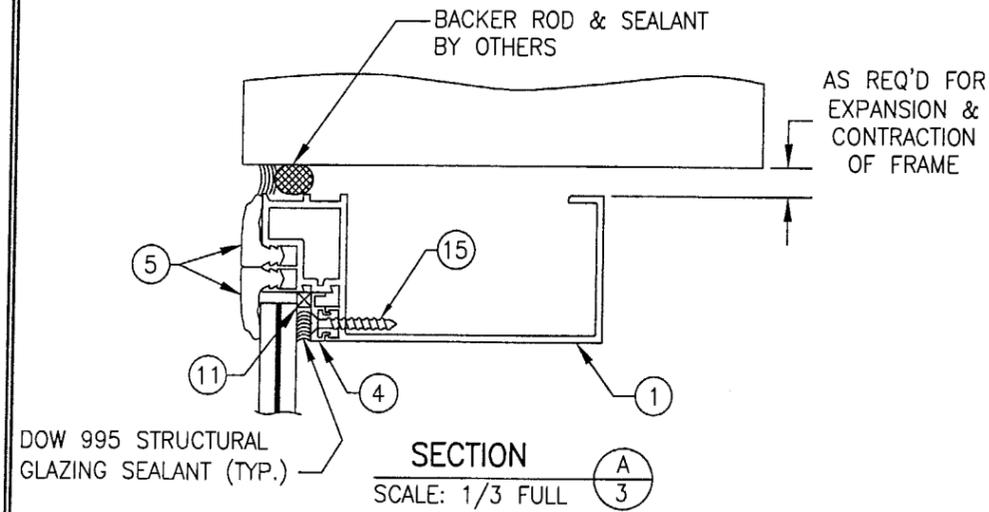
MAXIMUM ALLOWABLE DESIGN PRESSURES

SINGLE SPAN CURTAIN WALL			MULTI-SPAN CURTAIN WALL			
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)	
84" & LESS	74"	65.0	84" & LESS	88"	65.0	
	80"	64.5		90"	80"	65.0
	88"	58.7			88"	62.5
90"	74"	65.0	96"	74"	65.0	
	80"	60.2		80"	80"	64.5
	88"	54.8			88"	58.6
96"	66"	65.0	102"	74"	65.0	
	74"	61.0		80"	80"	60.7
	80"	56.5			88"	55.2
102"	88"	51.3	108"	66"	65.0	
	60"	65.0		74"	74"	62.0
	66"	64.4			80"	57.3
108"	74"	57.5	114"	88"	52.1	
	80"	53.1		66"	66"	65.0
	88"	48.3			74"	58.7
111"	60"	65.0	120"	80"	54.3	
	66"	60.8		60"	88"	49.4
	74"	54.3			66"	62.5
114"	80"	50.2	127"	74"	55.8	
	88"	45.6		60"	80"	51.6
	60"	65.0			66"	46.9
120"	66"	59.2	122.5"	74"	52.7	
	74"	52.8		60"	80"	48.8
	80"	48.8			66"	59.1
122.5"	88"	44.4	42"	88"	44.3	
	54"	65.0		48"	65.0	
	60"	61.8	54"			60.3
127"	66"	56.2	60"	60"	54.3	
	74"	50.1		66"	66"	49.3
	132"	80"	46.3		74"	74"
88"		42.1	80"	80"		40.7
138"		48"		65.0	88"	88"
	54"	60.3	42"	65.0		
	60"	54.3			48"	63.8
144"	66"	49.3	54"	54"	56.7	
	74"	44.0		60"	60"	51.0
	150"	80"	40.7		66"	66"
88"		37.0	74"	74"		41.4
156"		42"		65.0	80"	80"
	48"	63.8	88"	88"		34.8
	162"	54"		56.7	1. THE LOADS IN THESE TABLES ARE APPLICABLE FOR SINGLE & MULTI-SPAN SYSTEMS.	
60"		51.0	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.			
66"		46.4				

1. THE LOADS IN THESE TABLES 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
as complying with the Florida
Building Code
Acceptance No. 03-06116
Expiration Date FEB 21, 2006
By *Manuel Perez*
Miami Dade Product Control
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=48	DATE: 04/20/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE SERIES 5800 CURTAIN WALL IMPACT SYSTEM (6" DEEP FRAME)	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION AUG 12 2003	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1049	REV. A
SHEET NO. 2 OF 7	

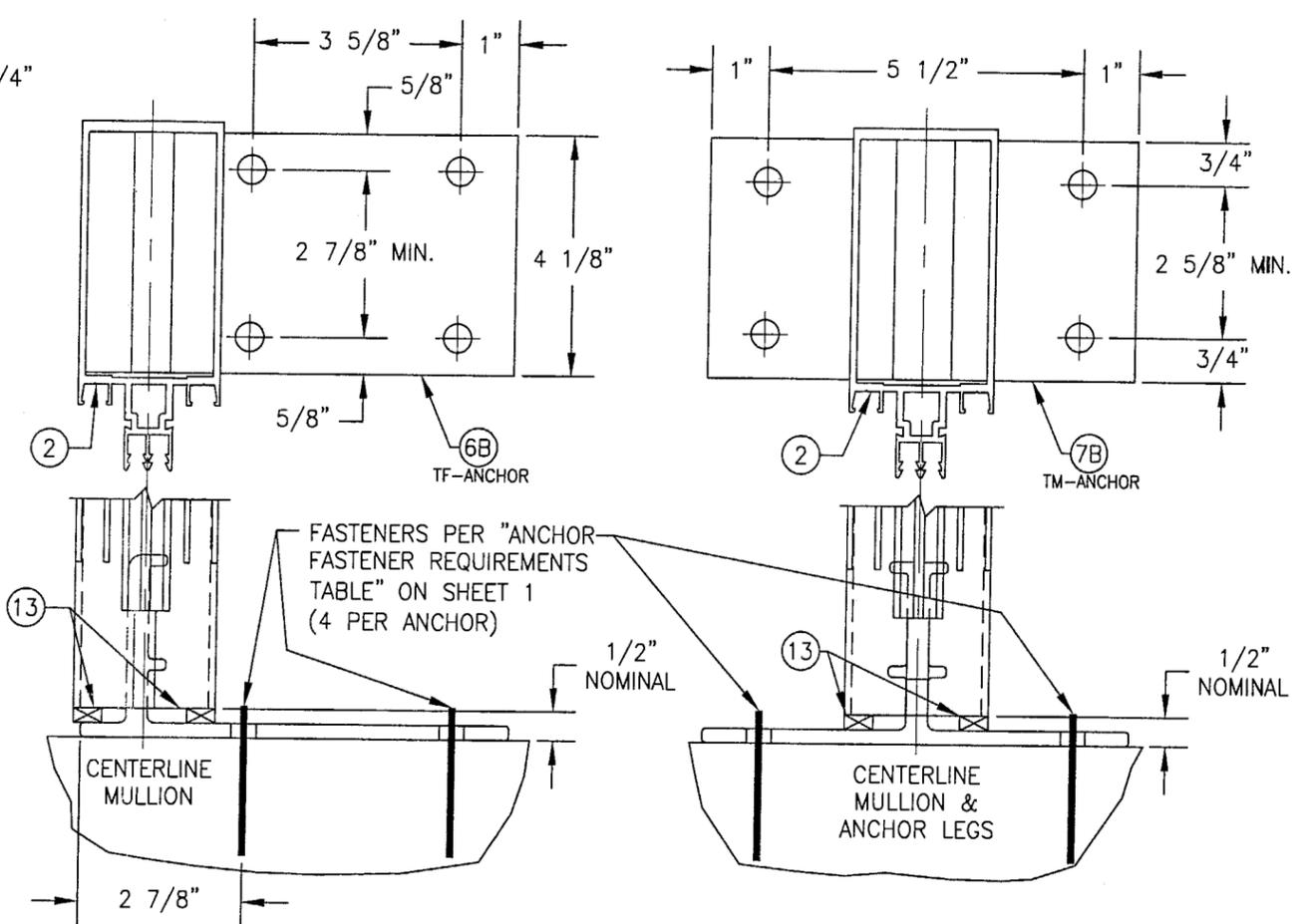
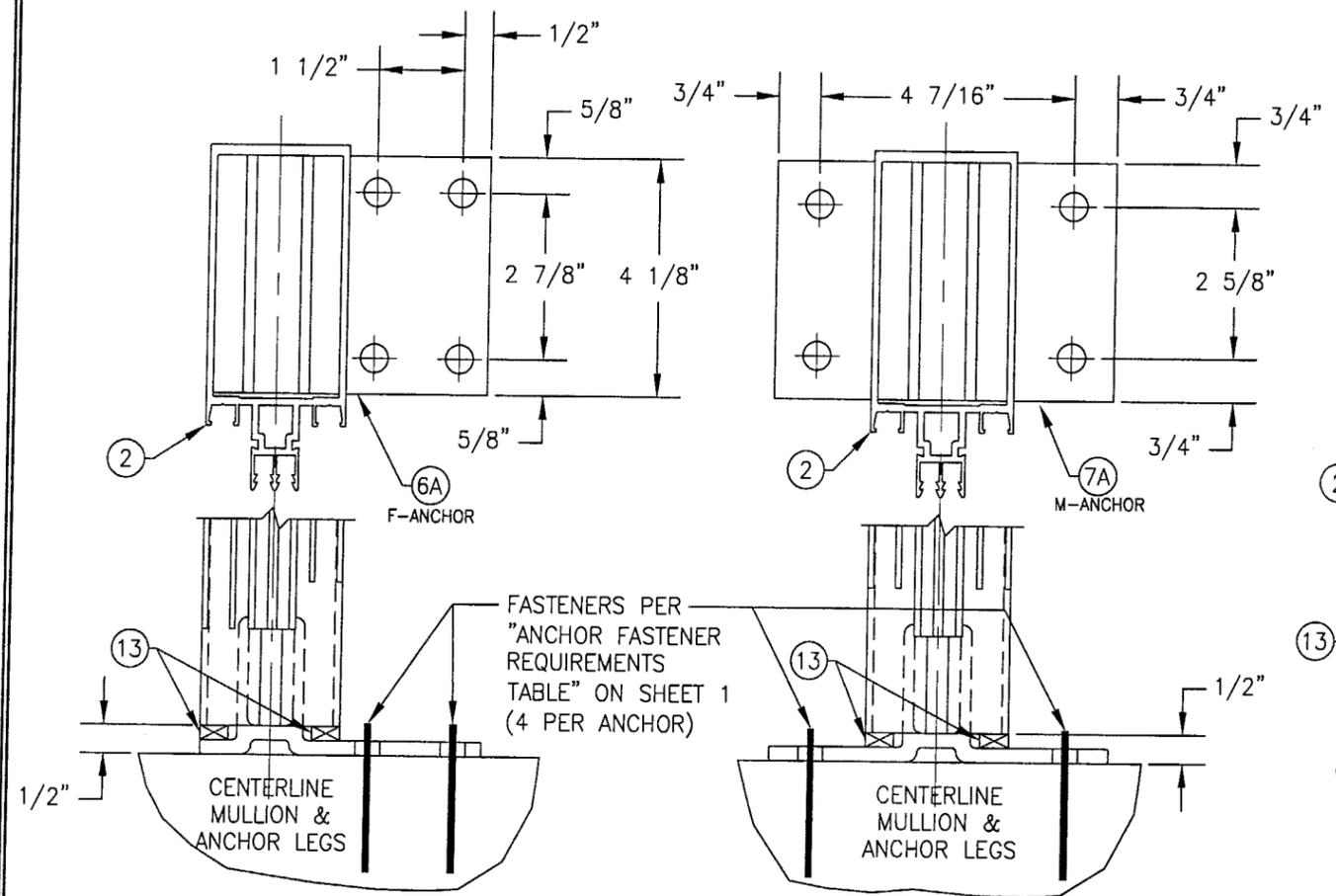


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as complying with the Florida,
Building Code
Acceptance No. 03-0611.16
Expiration Date FEB. 21, 2006

By: *Manuel Perez*
Miami Dade Product Control
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=3	DATE: 04/20/01
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE SERIES 5800 CURTAIN WALL IMPACT SYSTEM (6" DEEP FRAME)	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CERTIFICATION AUG 12 2003	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1049	REV. A
SHEET NO. 3 OF 7	

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-3	DATE: 04/20/01
NO.	REVISION DESCRIPTION



"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 MEMBER NOT SHOWN FOR CLARITY

"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 MEMBER NOT SHOWN FOR CLARITY

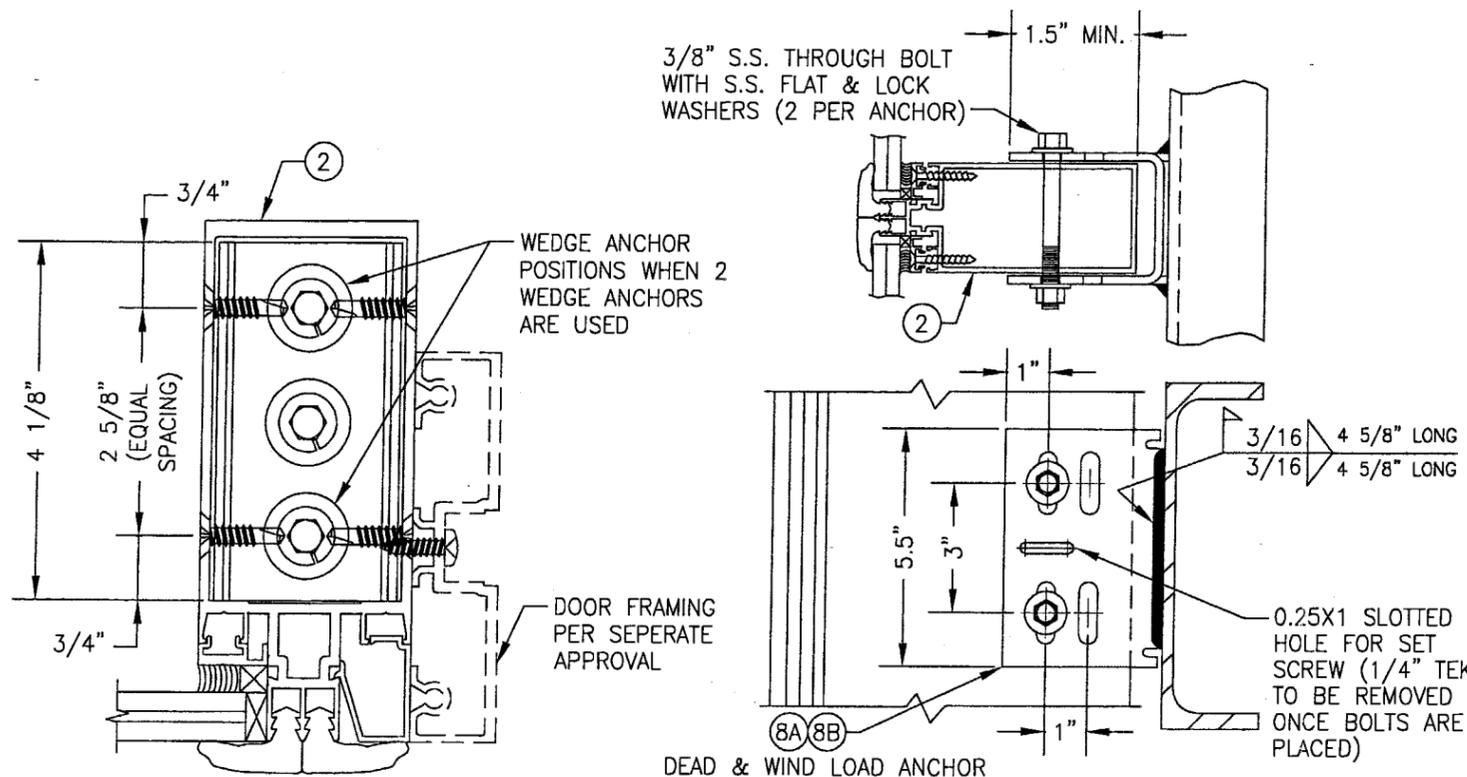
DRAWING TITLE: **SERIES 5800 CURTAIN WALL IMPACT SYSTEM (6" DEEP FRAME)**

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

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

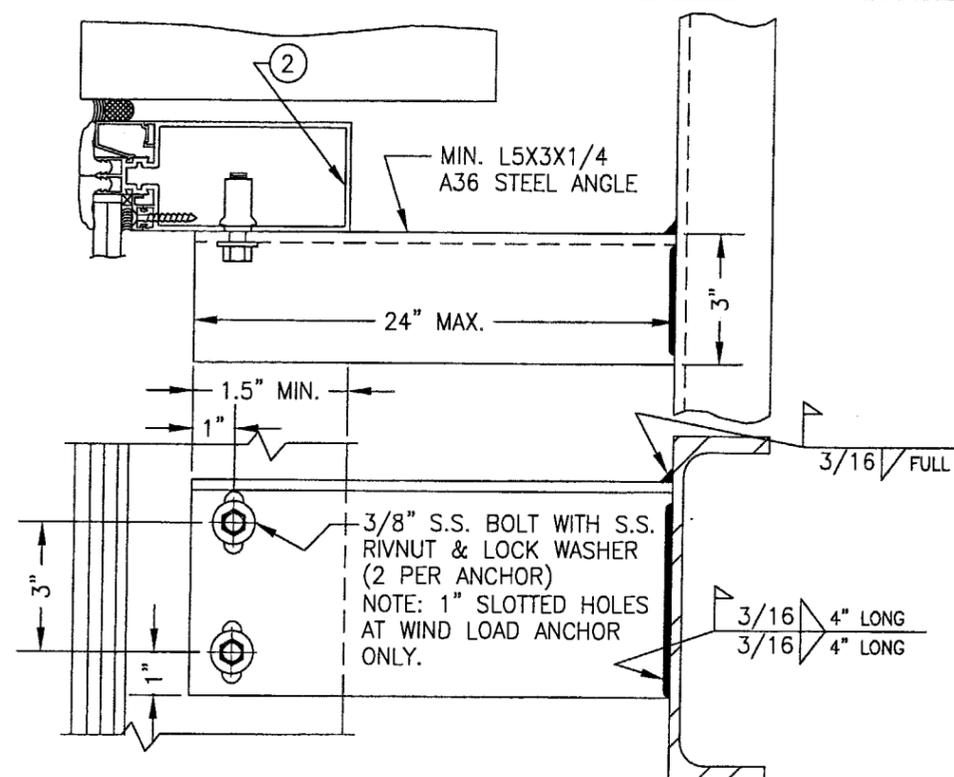
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0611.16
 Expiration Date FEB 21, 2006
 By Mammel
 Miami/Dade Product Control
 Division

CERTIFICATION	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
AUG 12 2003	
DRAWING NO.	REV.
1049	A
SHEET NO.	4 OF 7



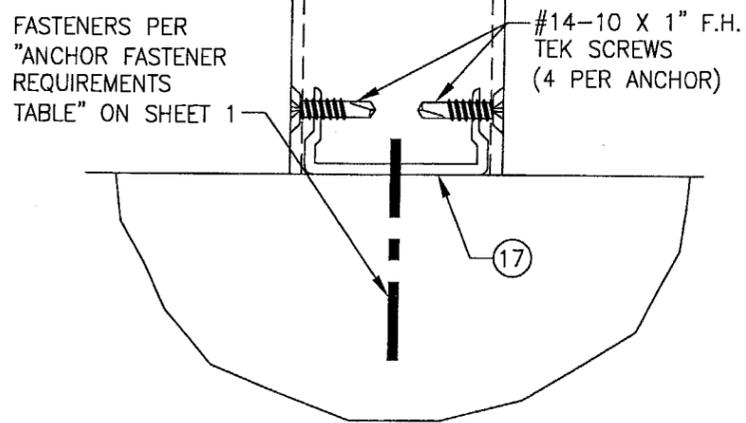
DEAD LOAD & WIND LOAD ANCHOR DETAIL

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

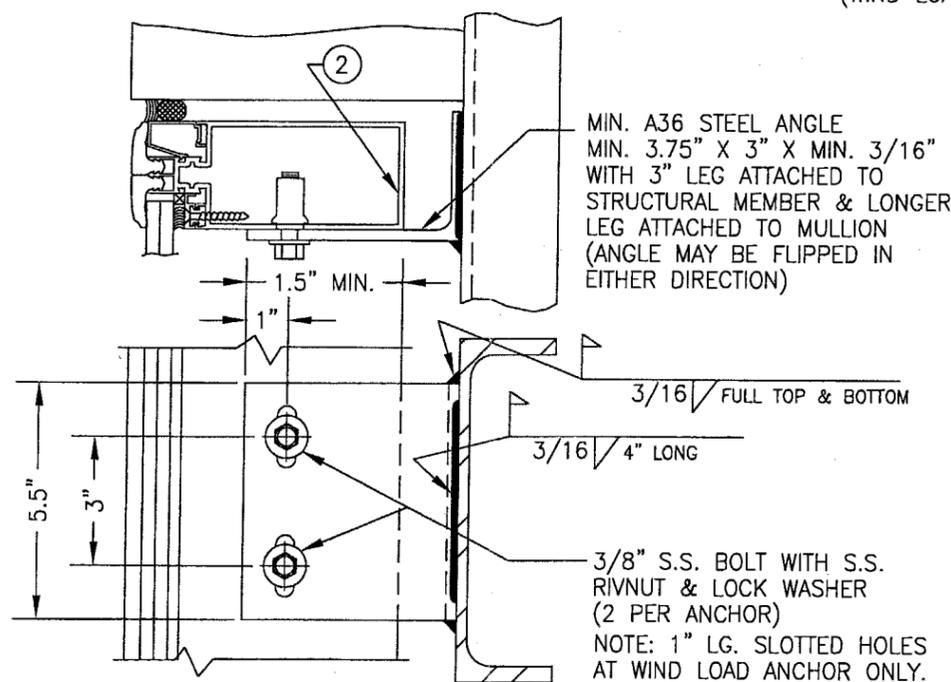


EXTENDED DEAD LOAD & WIND LOAD ANCHOR DETAIL

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



DOOR JAMB MULLION SHEAR BLOCK ANCHOR DETAIL



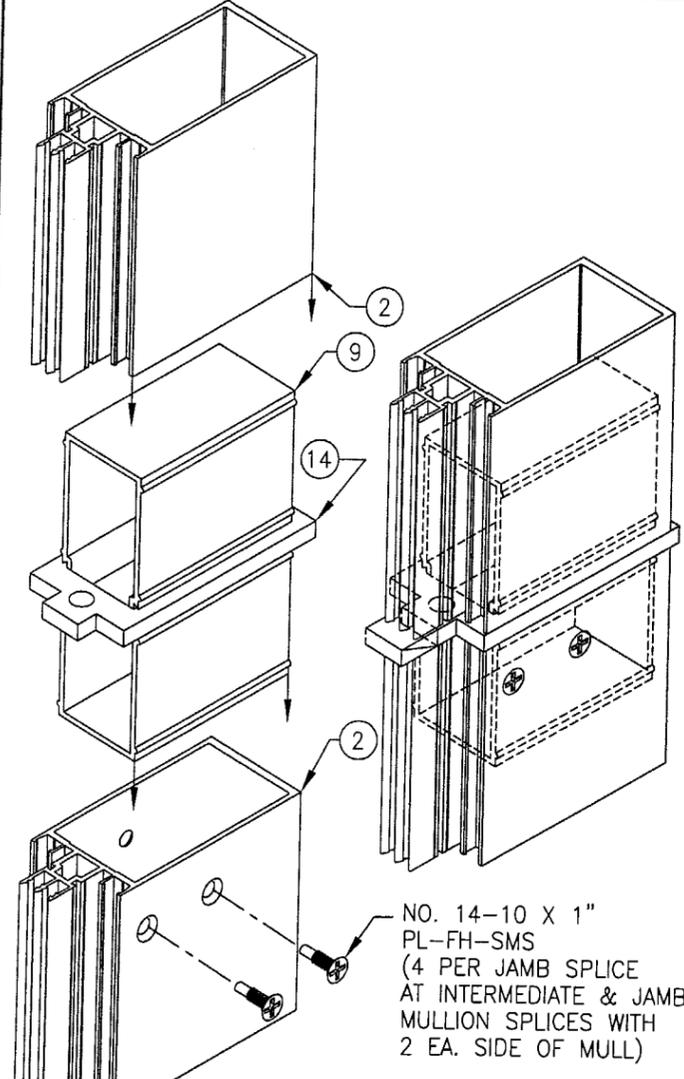
DEAD LOAD & WIND LOAD ANCHOR DETAIL

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

PRODUCT REVISED
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Building Code
Acceptance No. 03-0611-16
Expiration Date Feb. 21, 2006

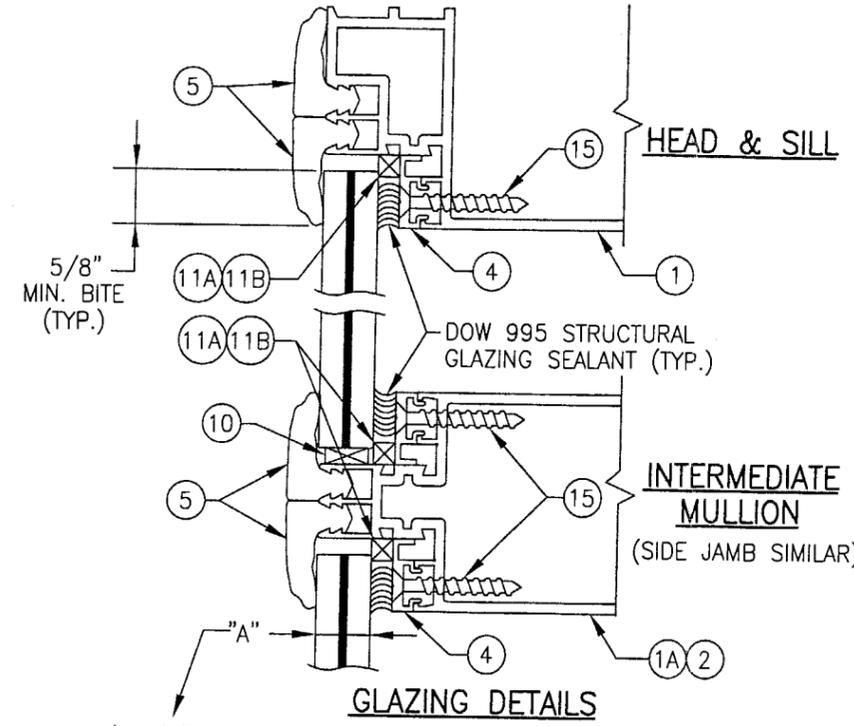
By *Manuel Perez*
Miami Dade Product Control
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	DATE	NO.	REVISION DESCRIPTION	BY	DATE	NO.	REVISION DESCRIPTION	BY	DATE	NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE SERIES 5800 CURTAIN WALL IMPACT SYSTEM (6" DEEP FRAME)														
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903														
MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169														
CERTIFICATION AUG 12 2003 WARREN W. SCHAEFER, P.E. P.E. NO. 44135														
DRAWING NO. 1049 SHEET NO. 5 OF 7														



NO. 14-10 X 1"
PL-FH-SMS
(4 PER JAMB SPLICE
AT INTERMEDIATE & JAMB
MULLION SPLICES WITH
2 EA. SIDE OF MULL)

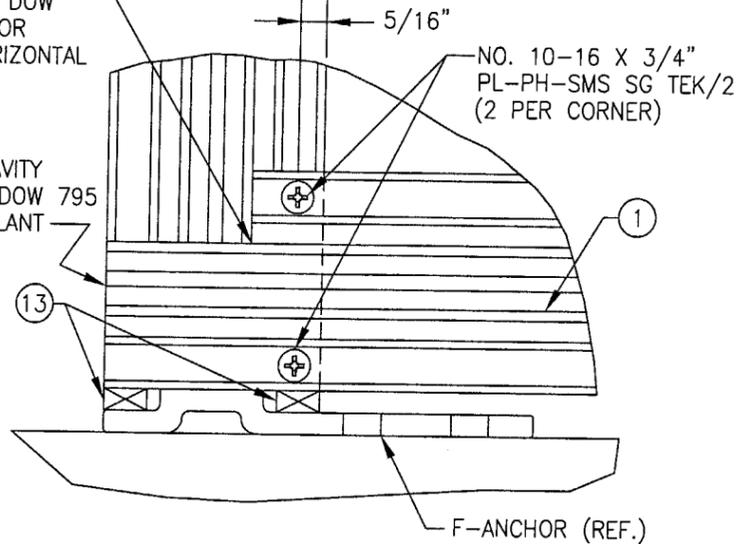
MULLION SPLICE DETAIL



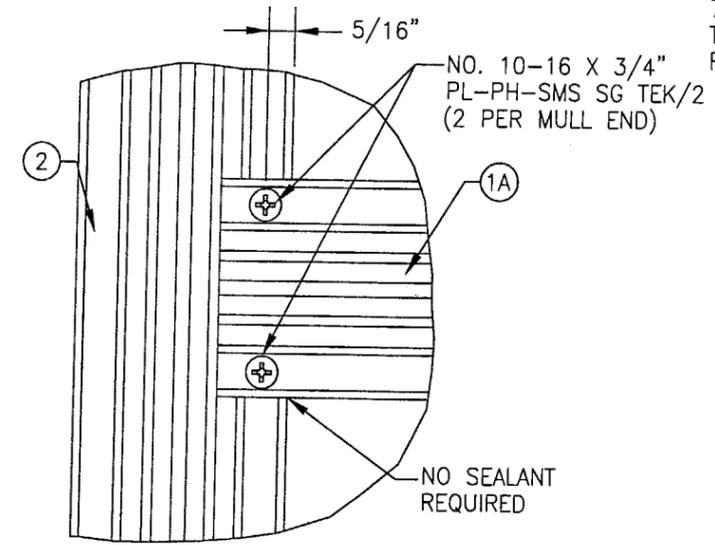
- GLAZING DETAILS**
- 1) 5/8" VIRACON HRG2: 1/4" HT. ST./0.05 URETHANE/0.08 POLYCARBONATE/0.05 URETHANE/1/4" HT. ST.
 - 2) 9/16" SAFLEX: 1/4" HT. ST./0.06 SAFLEX PVB/1/4" HT. ST. (SMALL MISSILE GLASS)
 - 3) 9/16" GLOBE AMERADA CHEM TEMP: 3/16" CHEM TEMP/0.035 URETHANE 0.118 POLYCARBONATE/0.035 URETHANE/3/16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

BUTTER ROUTED FACE OF MULLION WITH DOW 795 SILICONE PRIOR TO SECURING HORIZONTAL FRAME

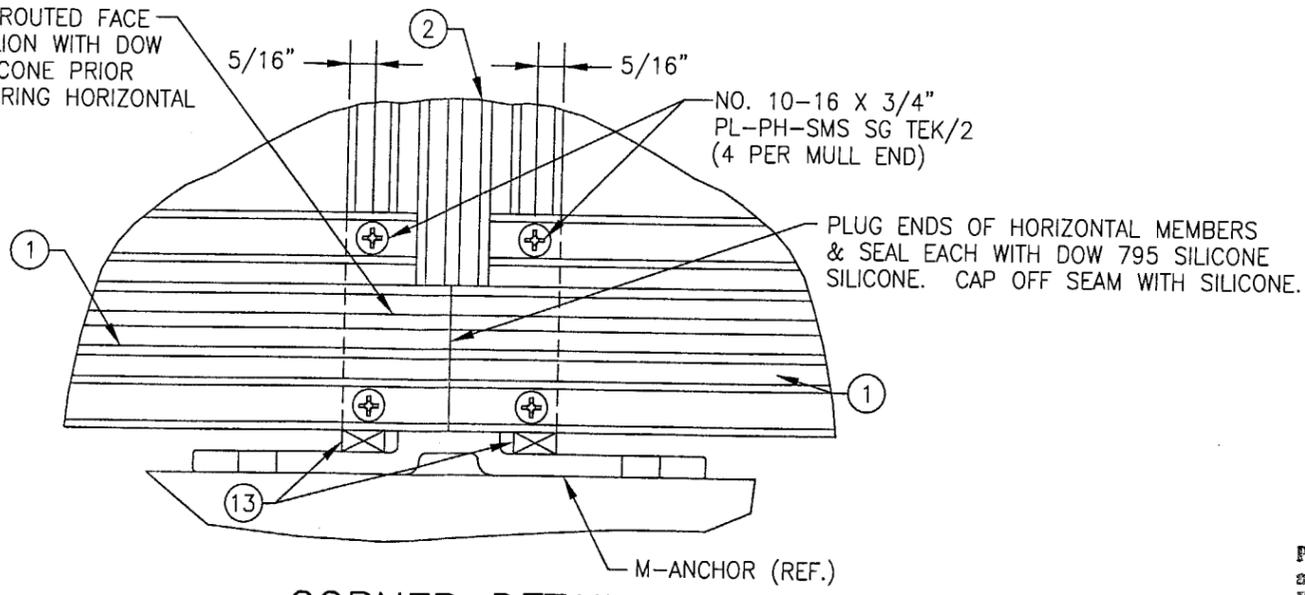
PLUG END CAVITY & FILL WITH DOW 795 SILICONE SEALANT



**CORNER DETAIL
JAMB MULLION END**
(TYP. AT HEAD & SILL)



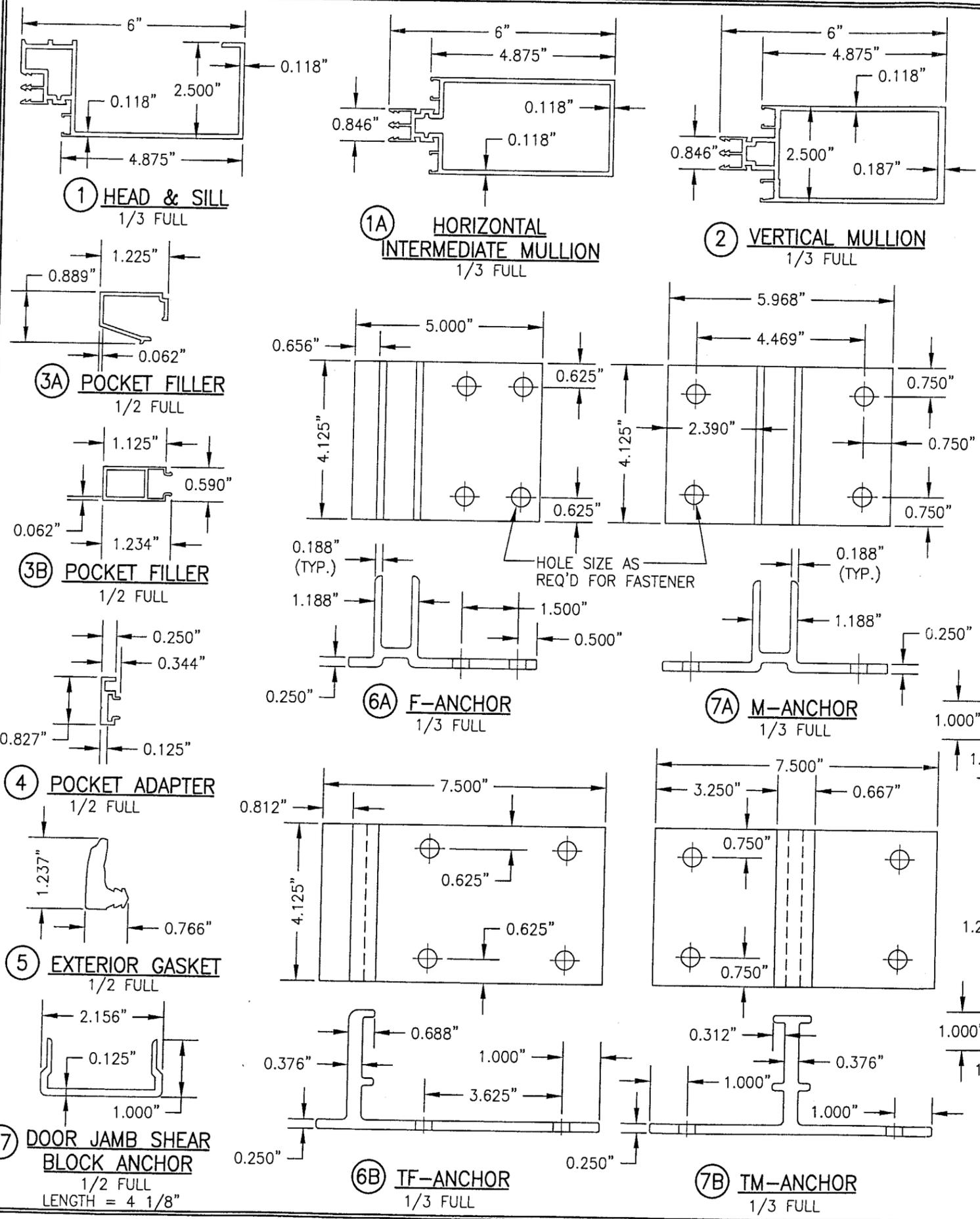
**INTERSECTION DETAIL
HORIZONTAL TO VERTICAL MULL**



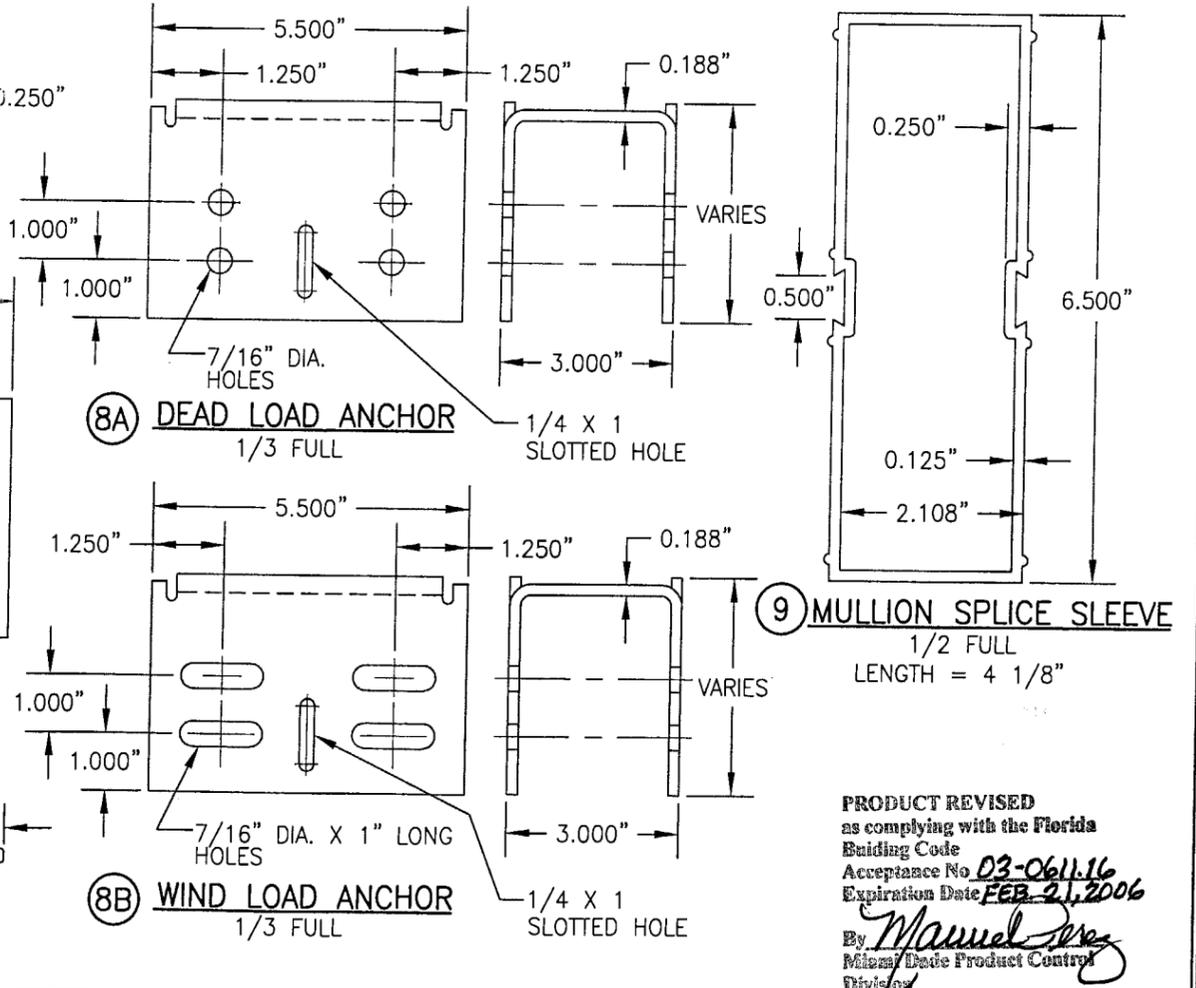
**CORNER DETAIL
INTERMEDIATE MULLION END**
(TYP. AT HEAD & SILL)

PRODUCT REVISED
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Building Code
Acceptance No. 03-0611.16
Expiration Date FEB. 21, 2006
Manuel Perez
Miami Shida Product Control
Division

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 04/20/01	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE SERIES 5800 CURTAIN WALL IMPACT SYSTEM (6" DEEP FRAME)			
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 12 2003			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1049		REV. A	
SHEET NO. 6 OF 7			



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	5521	HEAD & SILL	EFCO; 6063-T6 ALUMINUM
1A	5523	HORIZONTAL INTERMEDIATE MULLION	EFCO; 6063-T6 ALUMINUM
2	5520	VERTICAL JAMB & INTERMEDIATE MULLION	EFCO; 6063-T6 ALUMINUM
3A	5515	POCKET FILLER	EFCO; 6063-T6 ALUMINUM
3B	3697	POCKET FILLER	EFCO; 6063-T6 ALUMINUM
4	6724	GLAZING POCKET ADAPTER	EFCO; 6063-T6 ALUMINUM
5	WG15	EXTERIOR GASKET; EXTRUDED SILICONE	JAMAK OR LAUREN
6A	6603	F-ANCHOR	EFCO; 6063-T6 ALUMINUM
6B	3709	TF-ANCHOR	EFCO; 6063-T6 ALUMINUM
7A	6604	M-ANCHOR	EFCO; 6063-T6 ALUMINUM
7B	3708	TM-ANCHOR	EFCO; 6063-T6 ALUMINUM
8A	-	DEAD LOAD ANCHOR	EFCO; A36 MIN. STEEL
8B	-	WIND LOAD ANCHOR	EFCO; A36 MIN. STEEL
9	5531	MULLION SPLICE SLEEVE	EFCO; 6063-T6 ALUMINUM
10	HDR6	.25"X.562"X4" SILICONE SETTING BLOCK	EPG SCR-880
11A	-	1/4"X5/16" POLY FOAM TAPE	NORTON V2200 (W/ 9/16" GLASS)
11B	-	1/4"X1/4" POLY FOAM TAPE	NORTON V2200 (W/ 5/8" GLASS)
12	WDR1	CONDENSATION WICK	PHOENIX ROPE
13	HS01	POLYSTYRENE SHIM	PLYMOUTH PLASTICS
14	-	1/2" THK. MULLION SPLICE GASKET	CLOSED CELL SPUNGE NEOPRENE
15	STL3	#10-16 X 1.5" PL-FH-SMS 410 TEK	2" FROM ENDS & MAX. 9" O.C.
16	SDR1	#10-16 X .75" PL-PH-SMS SG TEK/2	CORNER SCREWS
17	7840	DOOR JAMB SHEAR BLOCK ANCHOR	6063-T6 ALUMINUM



PRODUCT REVISED
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Acceptance No. **D3-061116**
Expiration Date **FEB 21, 2006**
By *Manuel...*
Miami Date Product Control
Division

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 04/20/01
BY	DATE
NO.	REVISION DESCRIPTION

DRAWING TITLE: SERIES 5800 CURTAIN WALL IMPACT SYSTEM (6" DEEP FRAME)

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

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

CERTIFICATION
AUG 12 2003
By *Warren W. Schaefer*
P.E. NO. 44135

DRAWING NO. 1049
REV. A
SHEET NO. 7 OF 7