



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

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

NOTICE OF ACCEPTANCE (NOA)

**EFCO Corporation
P.O. Box 609
1000 County Road
Monett, MO 65708-0609**

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series 5600 – 6” Deep Frame - Aluminum Curtain Wall System – Small Missile Impact

APPROVAL DOCUMENT: Drawing No. 1093, dated 02/06/02, titled “6” Deep Series 5600 Small Missile Impact Curtain Wall System”, sheets 1 through 8, prepared by W. W. Schaefer Engineering & Consulting, P. A. signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

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

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



**NOA No 02-0304.01
Expiration Date: June 27, 2007
Approval Date: June 27, 2002
Page 1**

EFCO Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1093**, titled "6" Deep Series 5600 Small Missile Impact Curtain Wall System" Sheets 1 through 8 of 8, dated 02/06/02, prepared by W. W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on:
 - 1) 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.

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

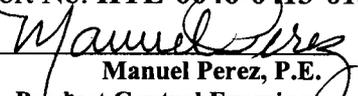
along with installation diagram of a single span EFCO S5600 - **8" deep** outside glazed aluminum curtain wall system 181-1/2" wide x 150" high, specimen # **9 (B1)**, Glass types: **3 & 5**, marked-up by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0046-0816-01**, dated 8/24-27/01, signed and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

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.

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.


Manuel Perez, P.E.
Product Control Examiner

NOA No 02-0304.01

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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 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.
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 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.
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 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.
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 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.

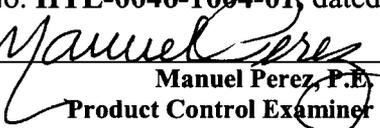

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9. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Small Missile Impact Test per SFBC, PA 201-94
4) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with installation diagram of a single span EFCO S5600 – 8” deep 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.
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 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.
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 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.
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 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.
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 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.


Manuel Perez, P.E.
Product Control Examiner
NOA No 02-0304.01
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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.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **00-1212.04** issued to **E.I. DuPont DeNemours** for "**Dupnot Butacite @ PVB**" dated 02/15/01, expiring on 02/11/05.
2. Notice of Acceptance No. **01-0205.02** issued to **Solutia, Inc.** for "**Saflex/Keepsafe Maximum**" dated 05/17/01, expiring on 05/21/06.
3. Proposal No. **01-0092**, acceptance letter dated July 30, 2001, issued by this Office and signed by Jaime Gascon.

E. 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 dated 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.

F. OTHER

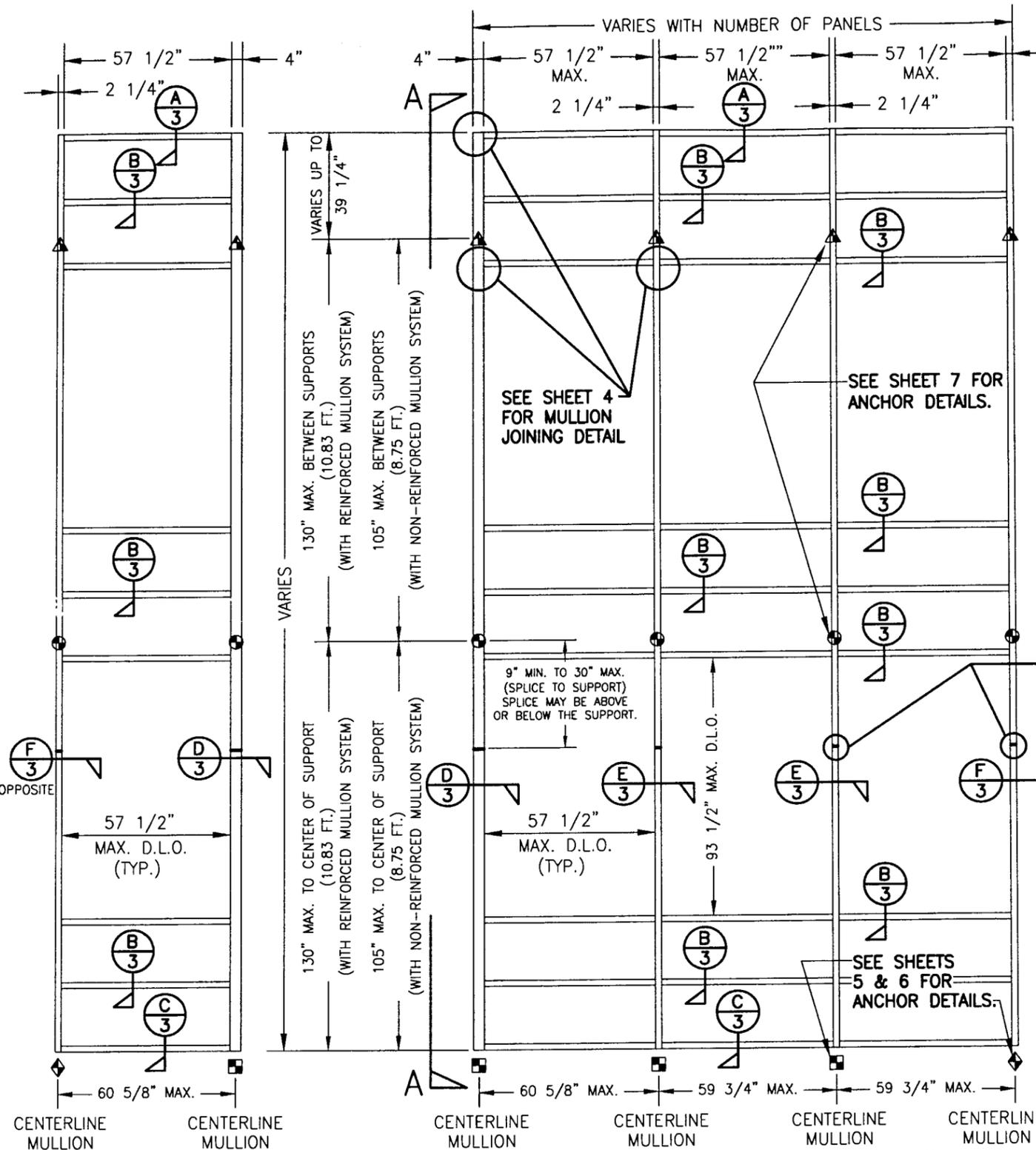
1. None.


Manuel Perez, P.E.
Product Control Examiner

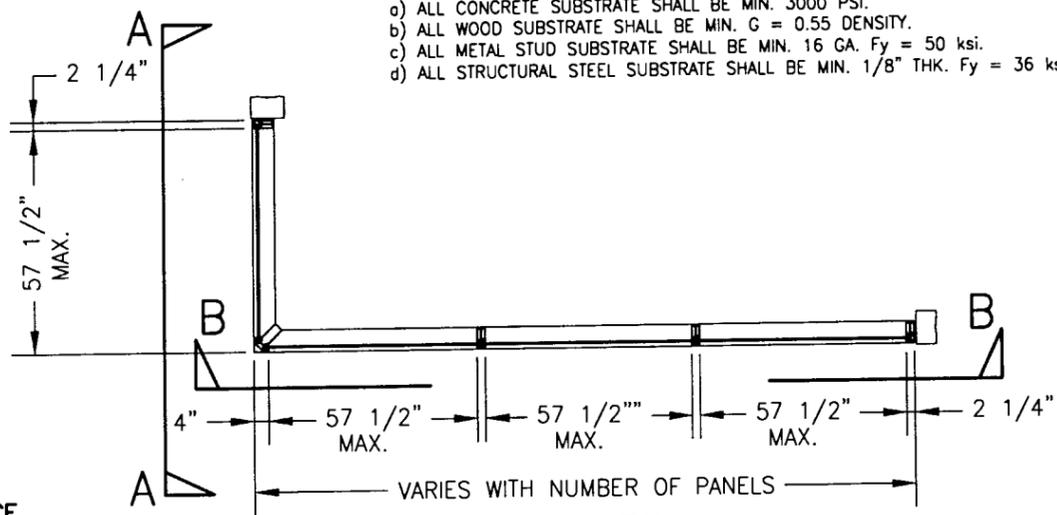
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- ◆ = F OR TF ANCHOR
- = M OR TM ANCHOR
- = DEAD LOAD ANCHOR
- ▲ = WIND LOAD ANCHOR



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 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 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. 1/8" THK. Fy = 36 ksi.

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

SEE "SPlice DETAIL" ON SHEET 4
 NOTE: SPlice MAY BE ABOVE OR BELOW SUPPORT

"F", "TF", "M" & "TM" ANCHOR FASTENER REQUIREMENTS TABLE				
OPENING TYPE (SUBSTRATE)	ANCHOR TO OPENING FASTENER TYPE	NO. FASTENERS PER ANCHOR INTO SUBSTRATE	MINIMUM EMBED	MINIMUM EDGE DIST.
WOOD	(1) 1/2" LAG SCREW	(2) 4 OR 6	3"	1"
MIN. 16 GA. STUD	NO. 14 TEK SCREW	4	FULL	1/2"
STRUCT. STEEL MIN. 1/8" THK.	NO. 14 TEK SCREW	4	FULL	1/2"
CONCRETE	3/8" HILTI KWIK BOLT II S.S. EXPANSION ANCHOR OR 3/8" S.S. RAWL POWER-BOLT	4	2 1/2"	2 1/2"

(1) PREDRILL REQUIRED SIZE HOLES IN WOOD FOR PLACEMENT OF LAG SCREWS.
 (2) ONLY 4 LAG SCREWS ARE REQUIRED WITH NON-REINFORCED JAMBS/MULLIONS. SIX(6) ARE REQ'D WITH REINFORCED JAMB/MULLION SYSTEM (SEE DETAILS ON SHEETS 5 & 6).

ALLOWABLE DESIGN LOADS
 SEE LOAD TABLES ON SHEET 2

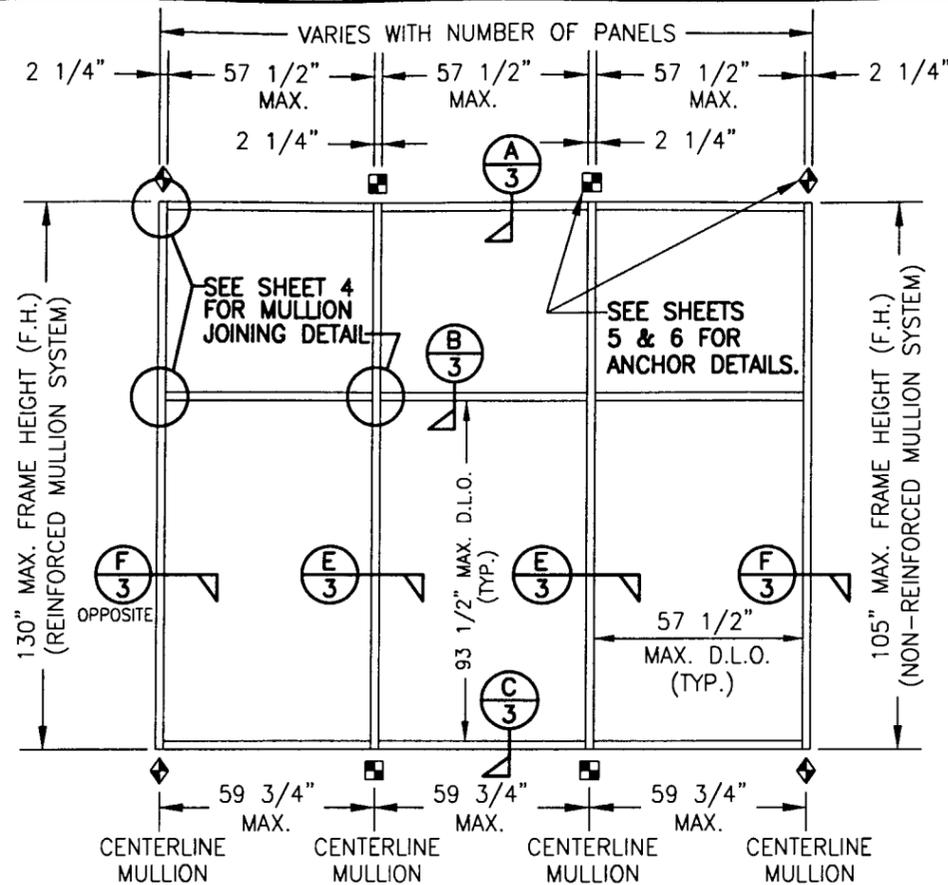
Approved as complying with the Florida Building Code
 Date June 27, 2002
 NOA# 02-0304-01
 Miami Dade Product Control Division
 By Manuel Perez

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

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 SMALL 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	
CERTIFICATION APR 25 2002	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1093	REV.
SHEET NO. 1	OF 8



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

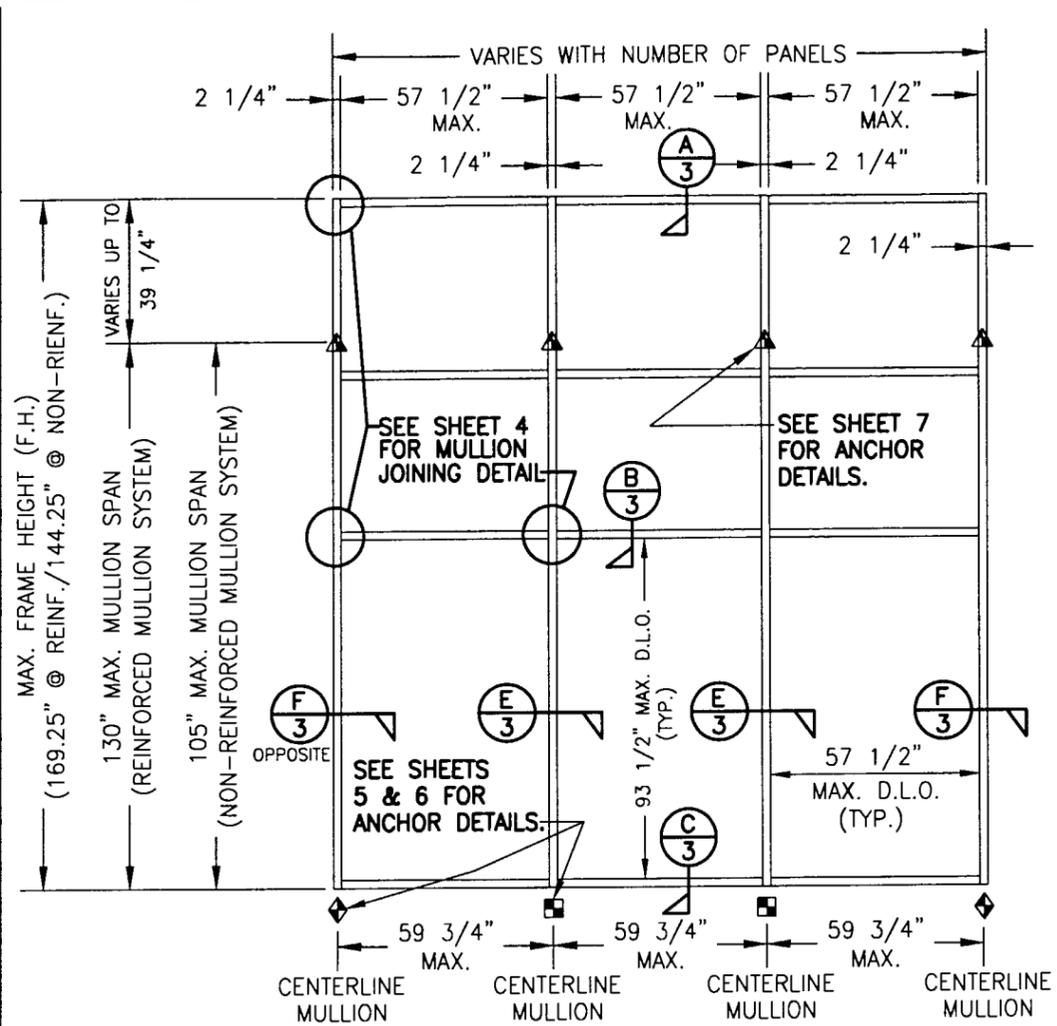
NOTE: THIS ELEVATION SHOWS THE 5600 CURTAIN WALL SYSTEM IN A SINGLE SPAN APPLICATION. ALL SINGLE SPAN APPLICATIONS ARE LIMITED BY EACH THE D.L.O. SIZES OF THE LIGHTS & THE HEIGHT/SPAN SHOWN. IF REQUIRED HEIGHT EXCEEDS THAT SHOWN IN THIS ELEVATION, THE SYSTEM MUST BE SUPPORTED AS TWO OR MORE SPANS PER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

ALLOWABLE FRAMING DESIGN PRESSURES

WITH REINFORCED VERTICAL MULLIONS		
VERTICAL DISTANCE BETWEEN SUPPORTS	HORIZONTAL DISTANCE BETWEEN MULLIONS	ALLOWABLE DESIGN LOAD
		POSITIVE & NEGATIVE (PSF)
112"	59 3/4"	90.0
114"	54"	90.0
	59 3/4"	85.3
120"	48"	90.0
	54"	81.0
126"	59 3/4"	73.2
	42"	90.0
	48"	78.7
130"	54"	69.9
	59 3/4"	63.2
	36"	90.0

WITHOUT REINFORCEMENT IN MULLIONS		
VERTICAL DISTANCE BETWEEN SUPPORTS	HORIZONTAL DISTANCE BETWEEN MULLIONS	ALLOWABLE DESIGN LOAD
		POSITIVE & NEGATIVE (PSF)
72"	59 3/4"	90.0
78"	48"	90.0
	54"	87.3
84"	59 3/4"	78.9
	42"	90.0
	48"	84.7
90"	54"	75.3
	59 3/4"	68.1
	36"	90.0
98"	42"	84.3
	48"	73.8
	54"	65.6
	59 3/4"	59.3
105"	30"	90.0
	36"	83.0
	42"	71.1
	48"	62.2
	54"	55.3
	59 3/4"	50.0
105"	24"	90.0
	30"	81.0
	36"	67.5
	42"	57.8
	48"	50.6
	54"	45.0
	59 3/4"	40.7

1. THE LOADS IN THIS TABLE ARE APPLICABLE FOR SINGLE & MULTI SPAN SYSTEMS.



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

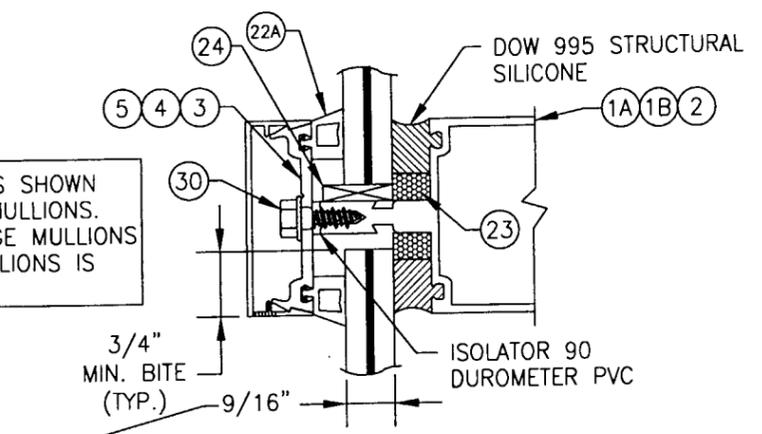
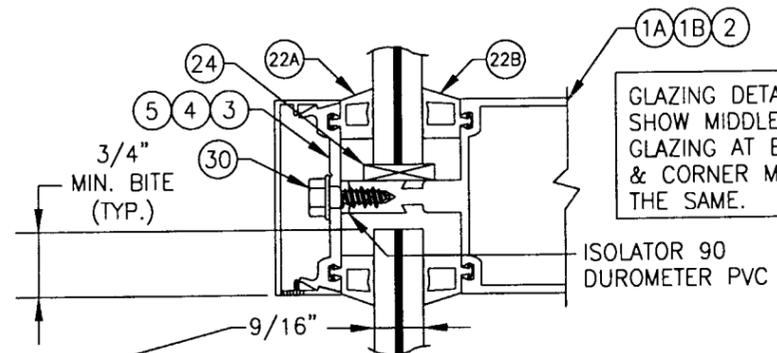
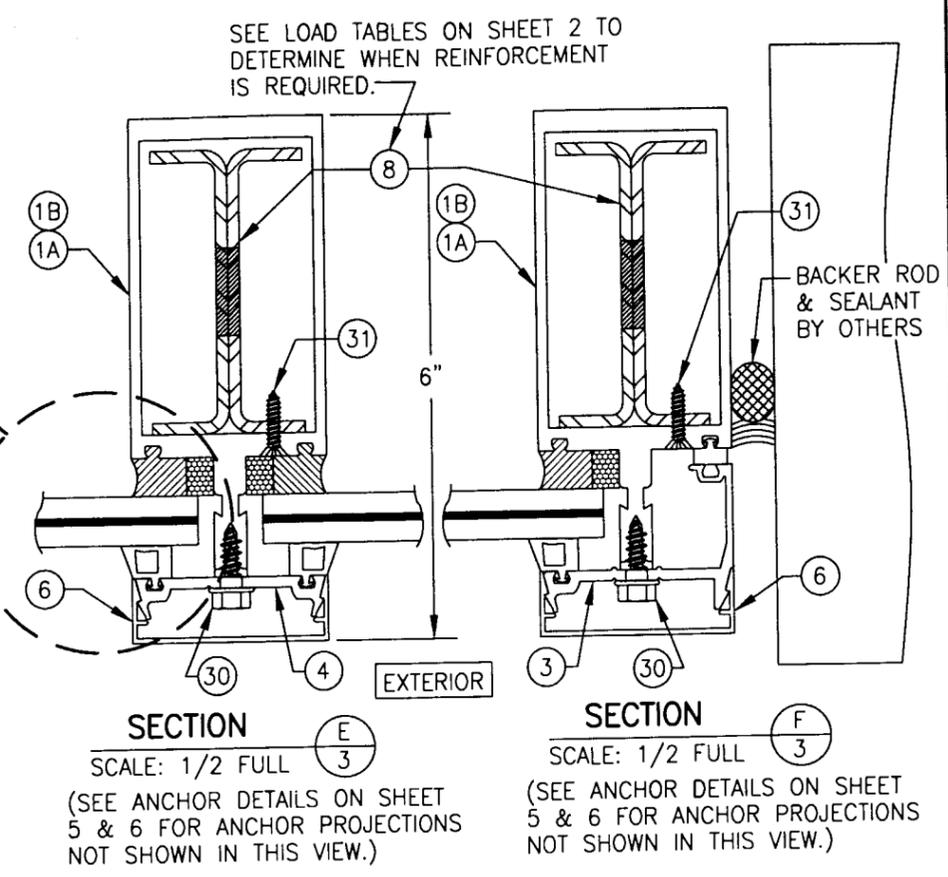
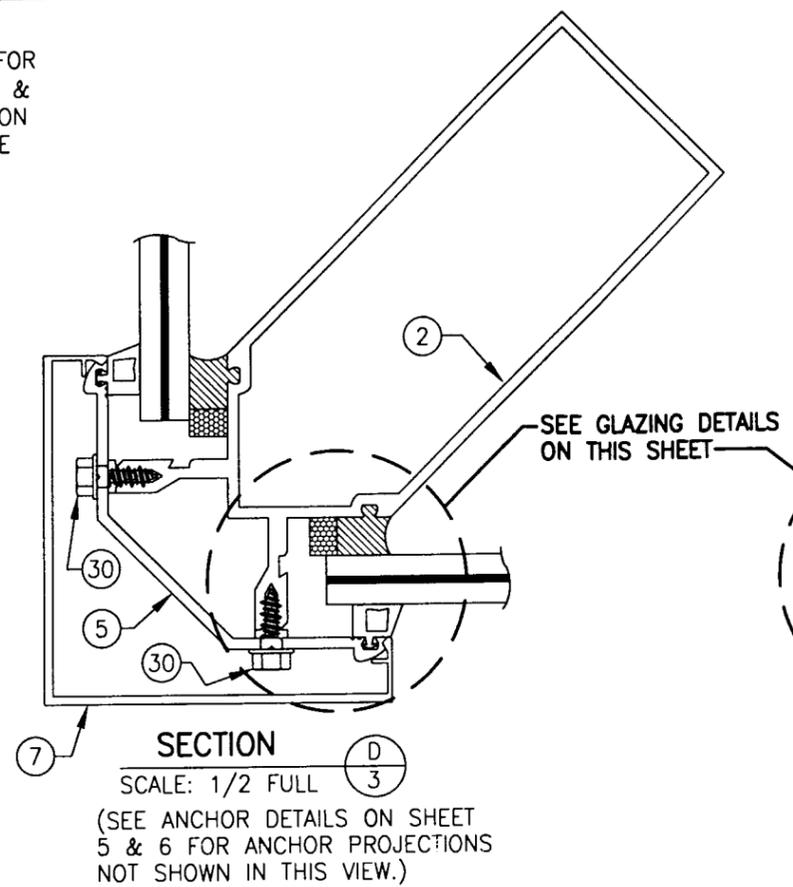
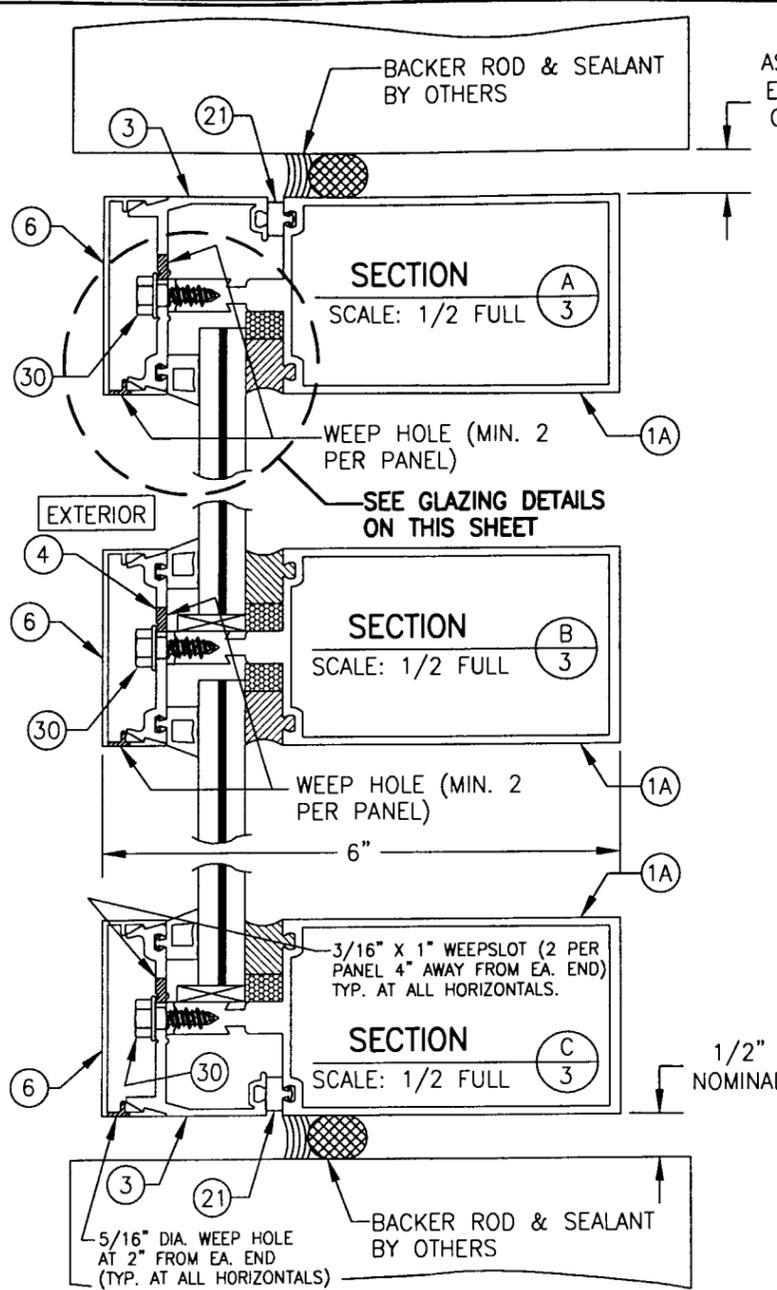
NOTE: THIS ELEVATION SHOWS THE 5600 CURTAIN WALL SYSTEM IN A SINGLE SPAN APPLICATION. ALL SINGLE SPAN APPLICATIONS ARE LIMITED BY EACH THE D.L.O. SIZES OF THE LIGHTS & THE HEIGHT/SPAN SHOWN. IF REQUIRED HEIGHT EXCEEDS THAT SHOWN IN THIS ELEVATION, THE SYSTEM MUST BE SUPPORTED AS TWO OR MORE SPANS PER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

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.

- ◆ = F OR TF ANCHOR
- = M OR TM ANCHOR
- = DEAD LOAD ANCHOR
- ▲ = WIND LOAD ANCHOR

Approved as complying with the Florida Building Code
 Date: June 27, 2002
 NOA# 02-0204-D1
 Miami Dade Product Control Division
 By: Warren W. Schaeffer

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 SMALL MISSILE IMPACT CURTAIN WALL SYSTEM	
MANUFACTURER EFCO CORPORATION	
CONSULTANTS W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING NO. 1093	
SHEET NO. 2 OF 8	



GLASS "E": 9/16" SOLUTIA SAFLEX: 1/4" HT. ST./0.06 PVB/1/4" HT. ST.

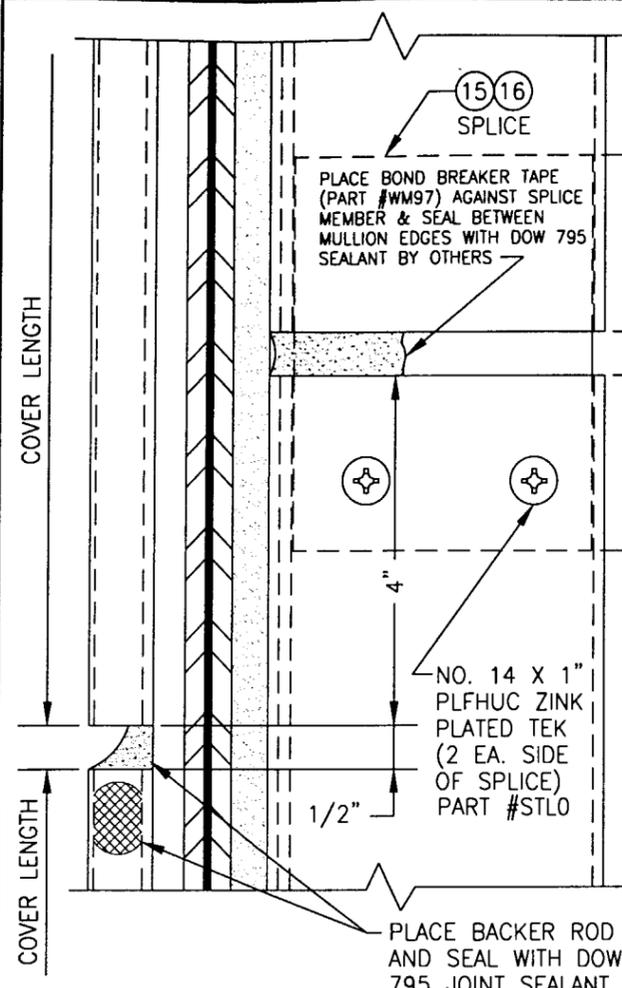
GLASS "F": 9/16" DUPONT BUTACITE: 1/4" HT. ST./0.06 PVB/1/4" HT. ST.

GLASS "E": 9/16" SOLUTIA SAFLEX: 1/4" HT. ST./0.06 PVB/1/4" HT. ST.

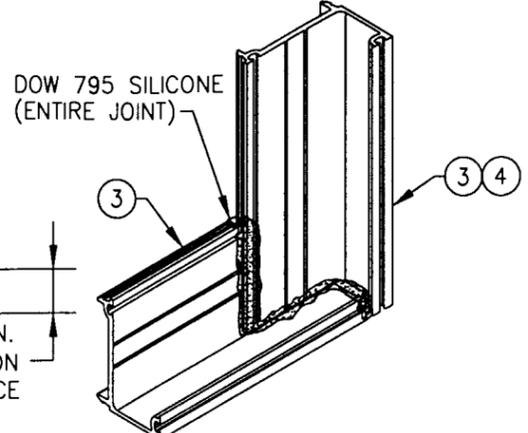
GLASS "F": 9/16" DUPONT BUTACITE: 1/4" HT. ST./0.06 PVB/1/4" HT. ST.

Approved as complying with the Florida Building Code
 Date June 27, 2002
 NOA# 02-0304-01
 Miami Dade Product Control Division
 By Manuel Perez

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/06/02
NO.	DATE
BY	
REVISION DESCRIPTION	
DRAWING TITLE 6" DEEP SERIES 5600 SMALL 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	
CERTIFICATION APR 25 2002	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1093	REV.
SHEET NO. 3	OF 8

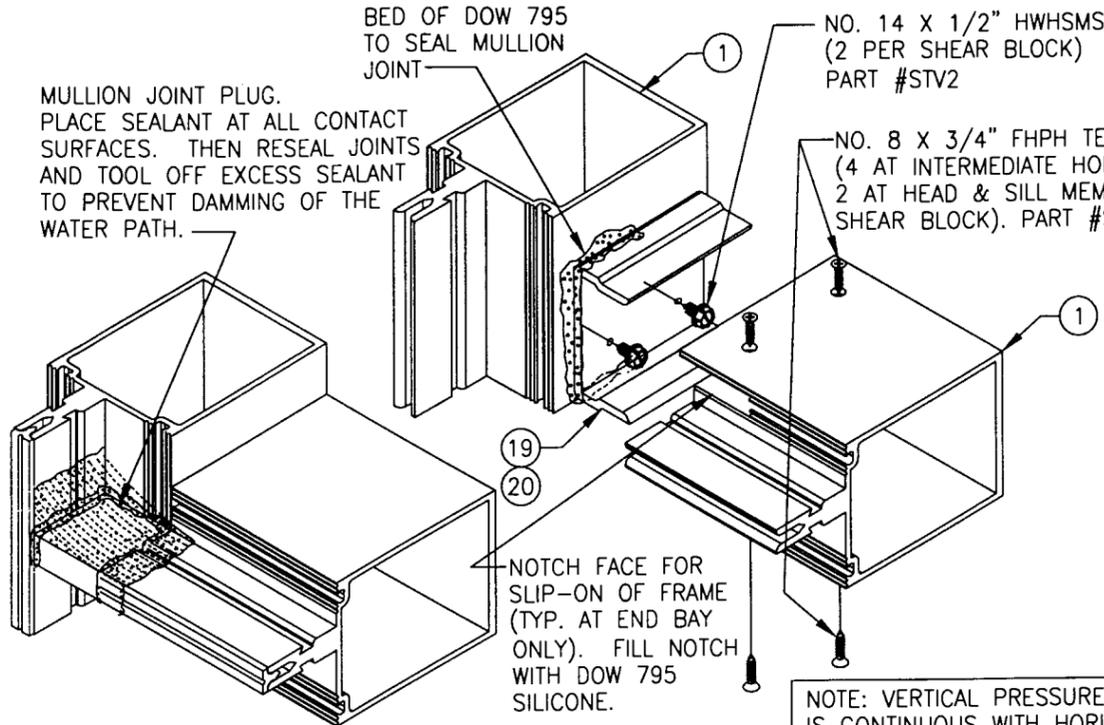


MULLION SPLICE DETAIL



PRESSURE PLATE JOINT (TYP. AT CORNERS)

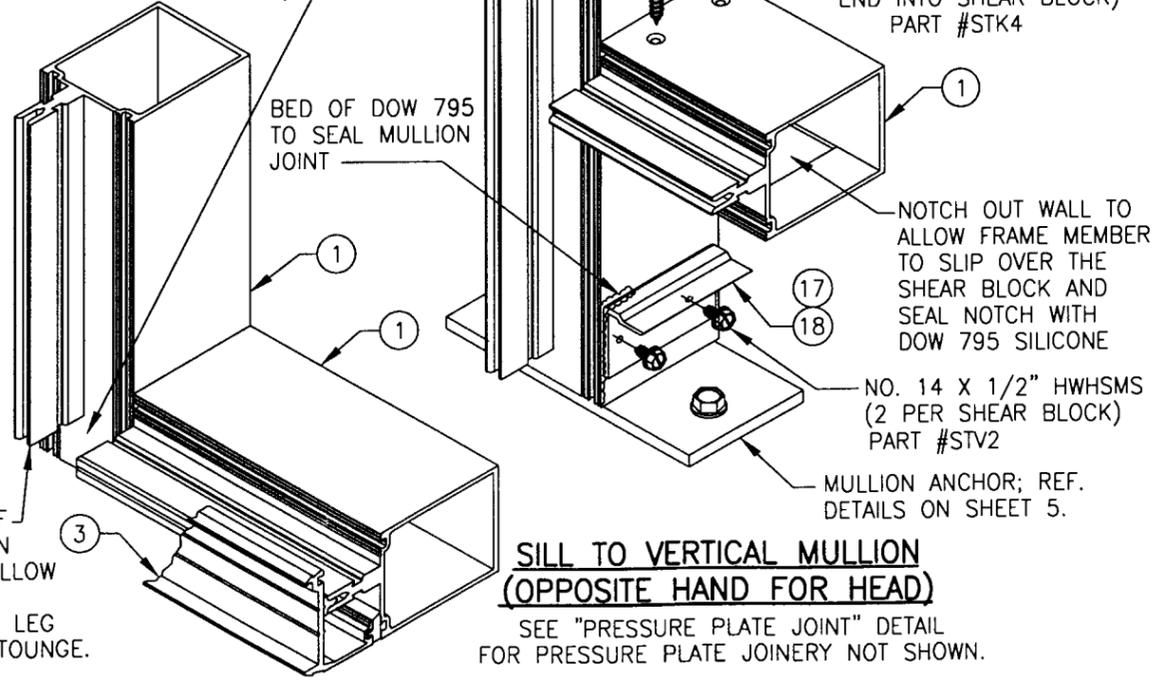
SIMILAR AT MID MULLION ENDS EXCEPT THAT THE HORIZONTAL PRESSURE PLATES SEAM TOGETHER AT THE MULLION CENTERLINE WITH A 1/8" SEAM SEALED WITH DOW 795 SILICONE.



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).

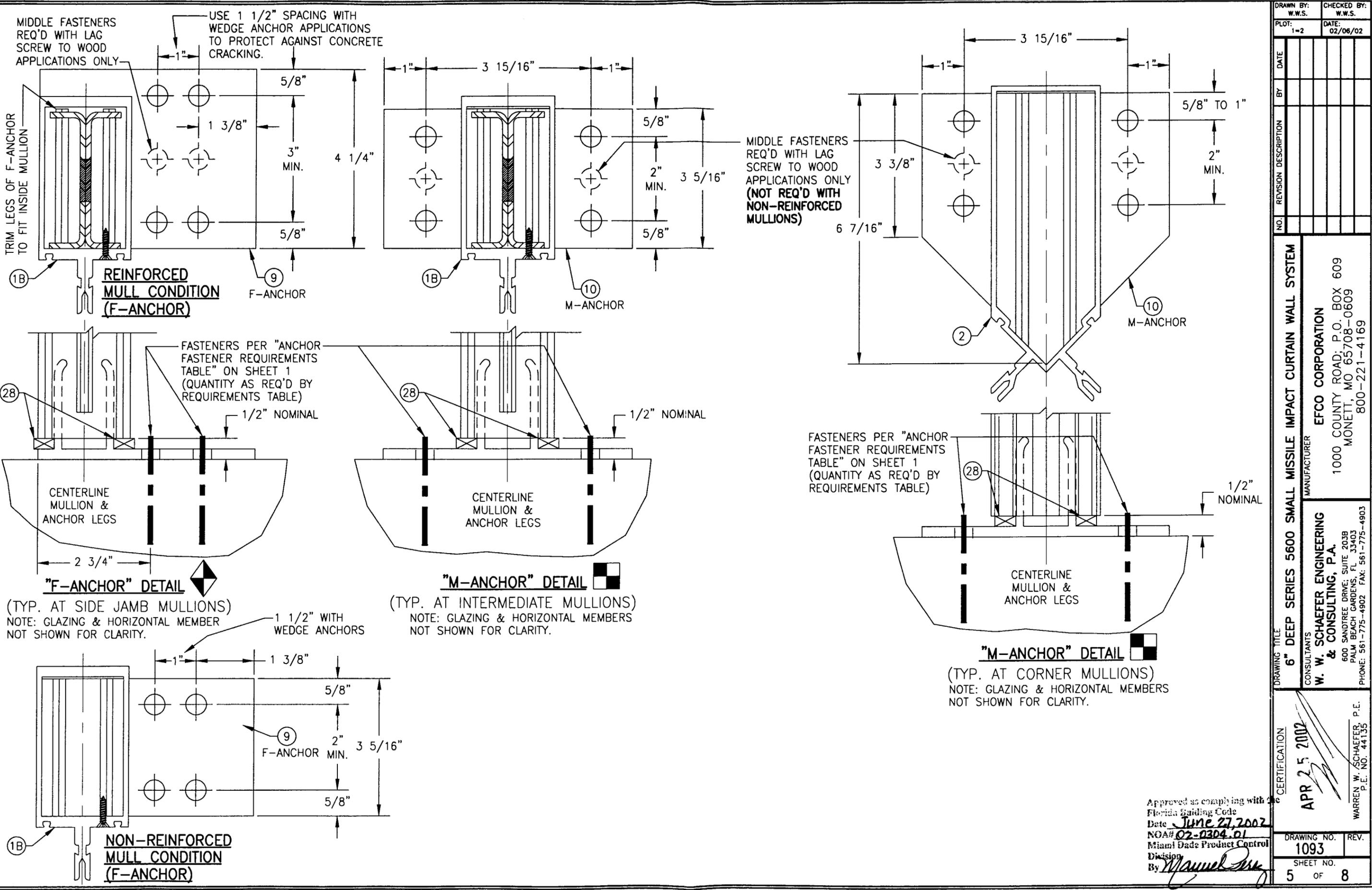
CLOSE TONGUE GAP WITH MULLION JOINT PLUG. PLACE SEALANT AT ALL CONTACT SURFACES. THEN RESEAL JOINTS AND TOOL OFF EXCESS SEALANT TO PREVENT DAMMING OF THE WATER PATH (SEE HORIZONTAL MID MULLION JOINT DETAIL FOR PLUG APPLICATION NOT SHOWN).



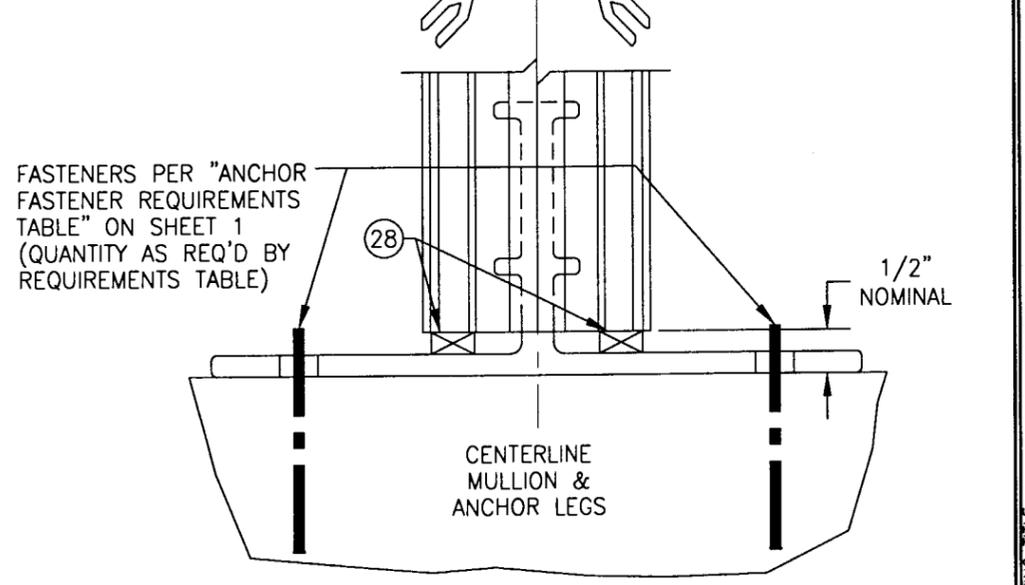
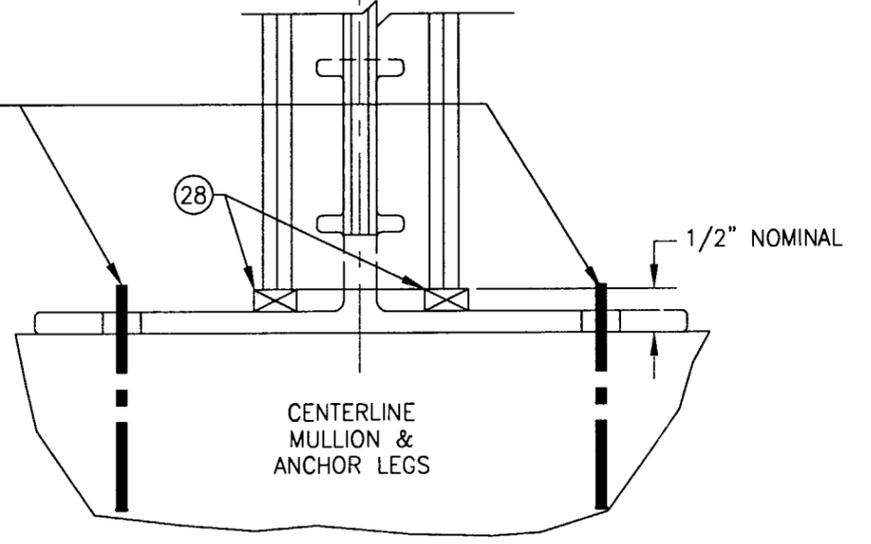
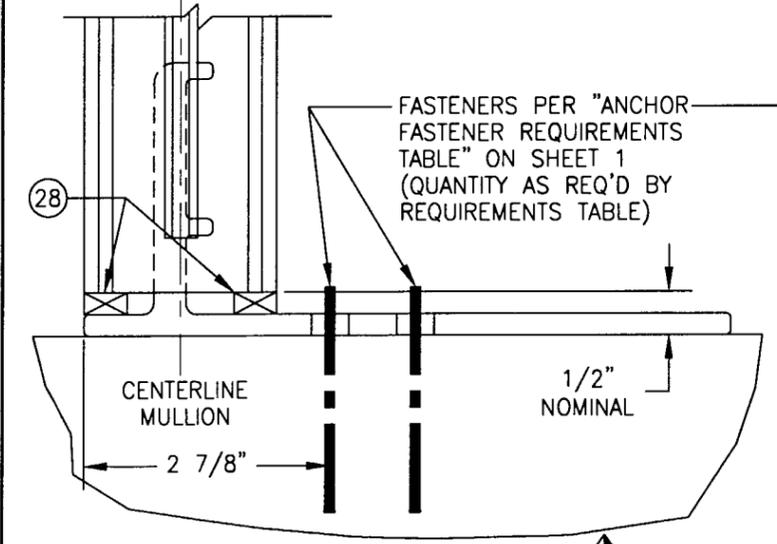
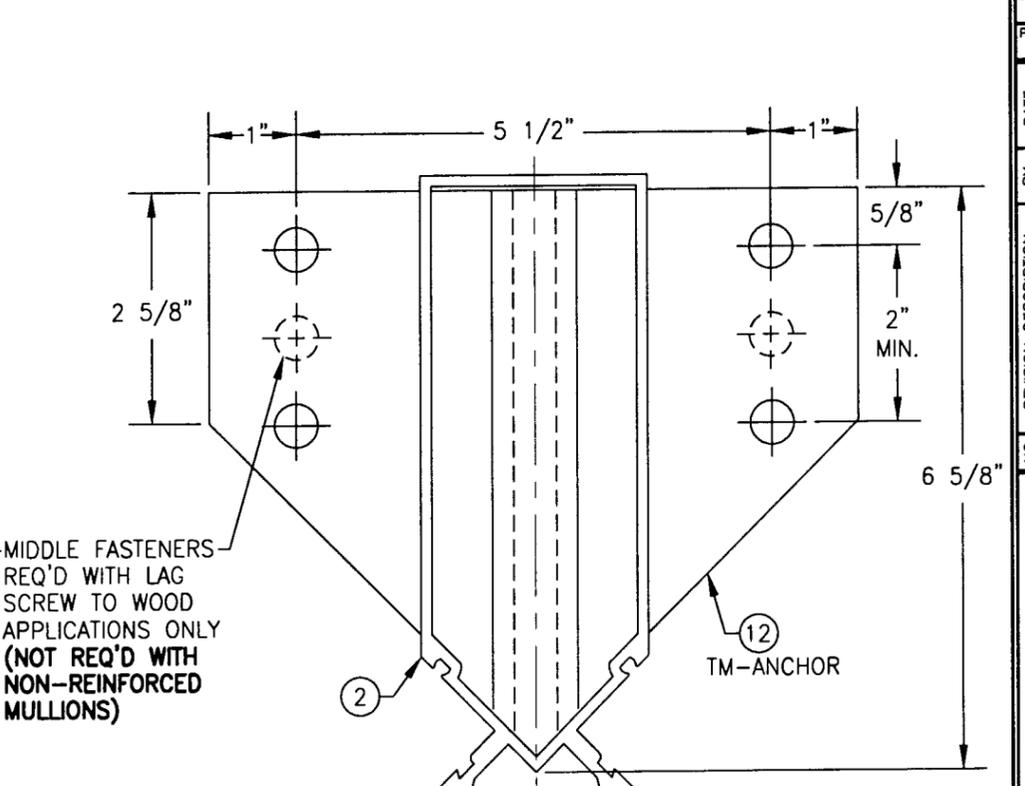
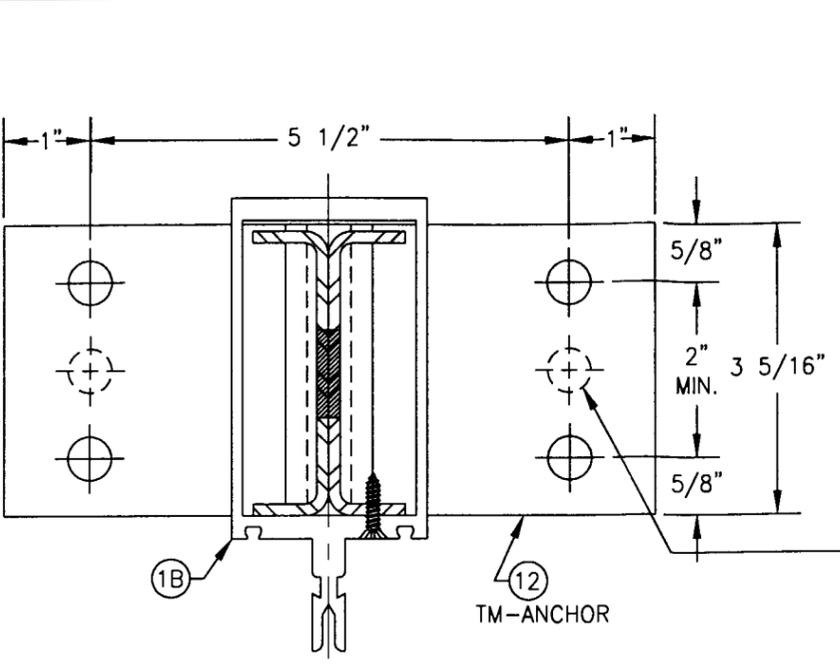
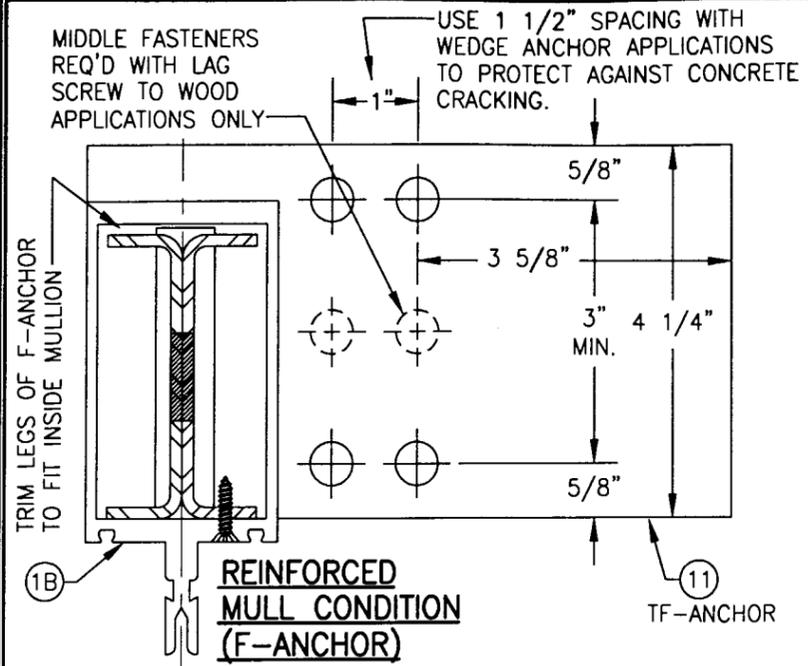
SILL TO VERTICAL MULLION (OPPOSITE HAND FOR HEAD)

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

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 02/06/02	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: 6" DEEP SERIES 5600 SMALL 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 25 2002	WARREN W. SCHAEFER, P.E. P.E. NO. 44135	Approved as complying with the Florida Building Code Date: June 27, 2002 NOA# 02-0304.01 Miami Dade Product Control Division By: <i>Maurice Perry</i>	
DRAWING NO. 1093	REV. 4	SHEET NO. 8 OF 8	



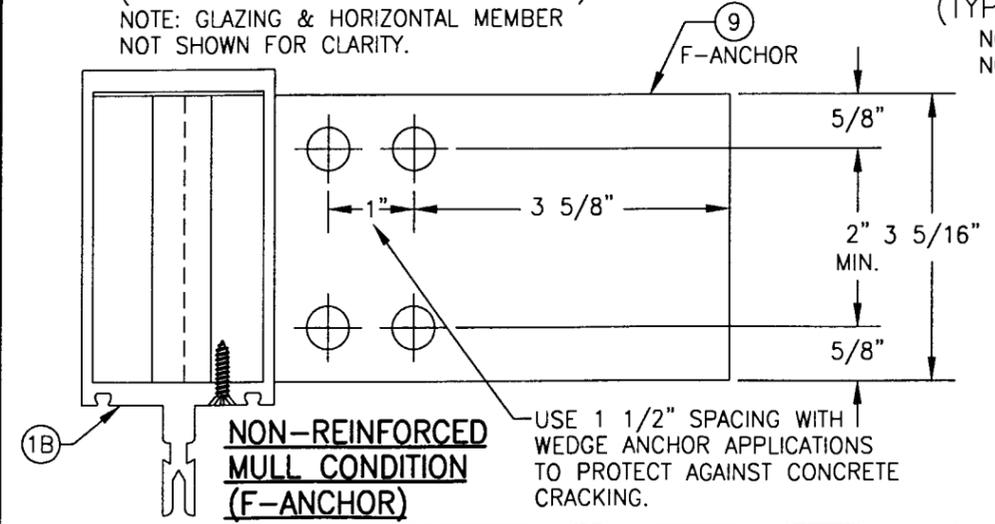
DRAWN BY:	W.W.S.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	02/06/02
DATE			
BY			
REVISION DESCRIPTION			
NO.			
DRAWING TITLE			
6" DEEP SERIES 5600 SMALL MISSILE IMPACT CURTAIN WALL SYSTEM			
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EFCO CORPORATION			
1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169			
CERTIFICATION			
APR 25 2002			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
Approved as complying with Florida Building Code Date <u>June 27, 2002</u> NOA# <u>02-0304.01</u> Miami Dade Product Control Division By <u>Manuel Perez</u>			
DRAWING NO.	REV.		
1093			
SHEET NO.			
5	OF 8		



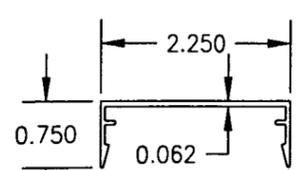
"TF-ANCHOR" DETAIL
(TYP. AT SIDE JAMB MULLIONS)
NOTE: GLAZING & HORIZONTAL MEMBER NOT SHOWN FOR CLARITY.

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

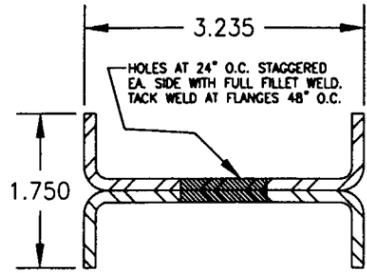
"TM-ANCHOR" DETAIL
NOTE: GLAZING & HORIZONTAL MEMBERS NOT SHOWN FOR CLARITY.
(TYP. AT CORNER MULLIONS)



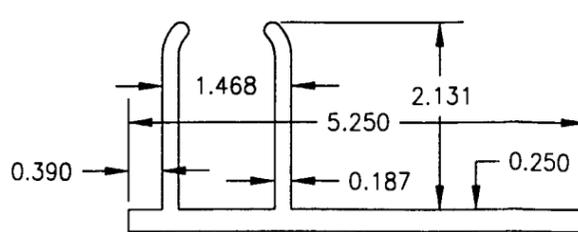
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PLOT: 1=2	DATE: 02/06/02
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DATE	BY
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CERTIFICATION APR 25 2002	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
APPROVED Approved as complying with the Florida Building Code Date <u>June 27, 2002</u> NOA# <u>02-0304.01</u> Miami Dade Product Control Division By <u>Warren W. Schaefer</u>	DRAWING NO. 1093
	REV. SHEET NO. 6 OF 8



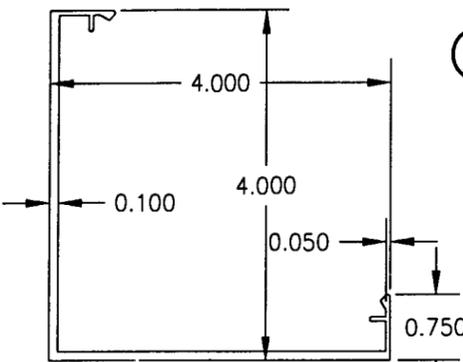
6 MULL COVER



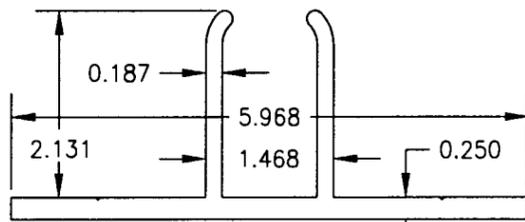
8 MULLION REINFORCEMENT



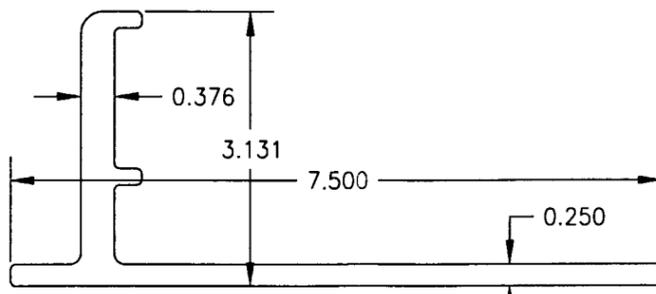
9 F-ANCHOR



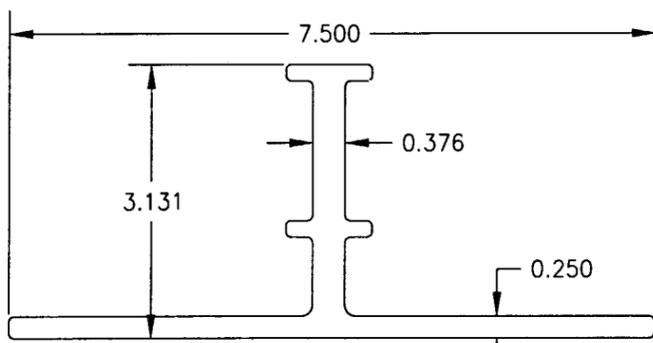
7 CORNER MULL COVER



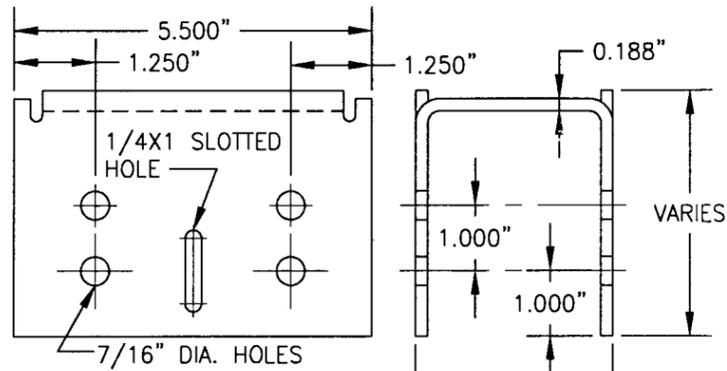
10 M-ANCHOR



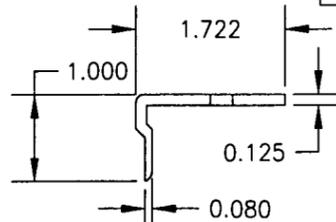
11 TF-ANCHOR



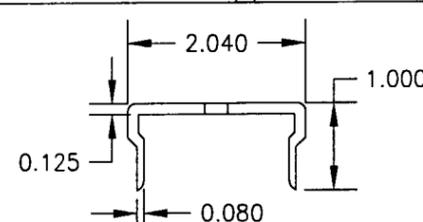
12 TM-ANCHOR



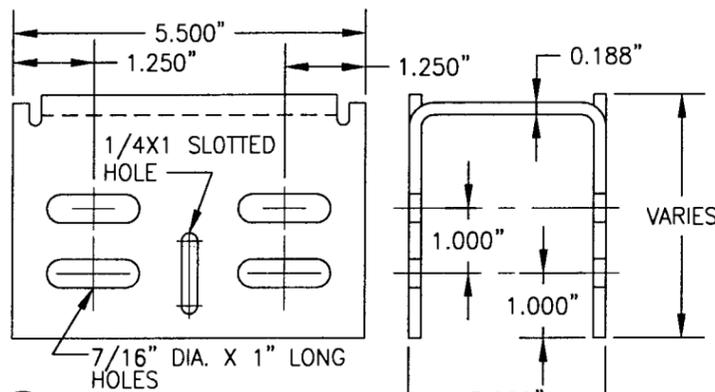
13 DEAD LOAD ANCHOR



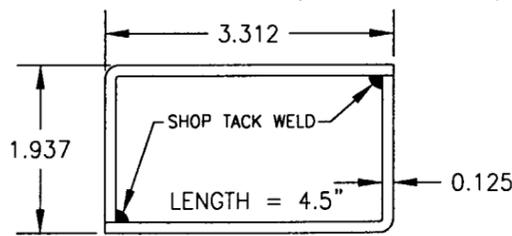
17 HEAD/SILL SHEAR BLOCK
LENGTH = 3.438" @ MID & JAMB MULLS & 5.687" @ CORNER MULLS (ENDS ARE MITERED 45 DEG. AT CORNER MULLIONS)



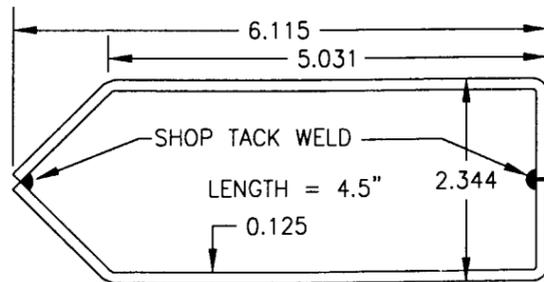
19 MID MULL SHEAR BLOCK
LENGTH = 3.438" @ MID & JAMB MULLS & 5.687" @ CORNER MULLS (ENDS ARE MITERED 45 DEG. AT CORNER MULLIONS)



14 WIND LOAD ANCHOR



15 MULLION SPLICE



16 CORNER MULLION SPLICE

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	WMB7	5/16" X 1/4" V2100	NORTON
27	HN9	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

DATE	BY	NO.	REVISION	DESCRIPTION
02/06/02 <td></td> <td></td> <td></td> <td></td>				

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 Date: June 27, 2002
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 Miami Dade Product Control
 Division: *Maurice Sme*

DRAWING NO. 1093	REV.
SHEET NO. 8	OF 8