



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

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Efco Corporation
1000 County Road
Monett, MO 65708

Your application for Notice of Acceptance (NOA) of:

S2600 System II Impact Mullion

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0830.05
EXPIRES: 11/01/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 11/01/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This Notice of Acceptance (NOA) approves an aluminum mullion, as described in Section 2 of this NOA designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The **S-2600 System II Impact Mullion** and its components shall be constructed in strict compliance with the following documents: Drawing No. 1067, titled "S-2600 System II Impact Mullion" Sheets 1 through 3 of 3, dated 08/03/01, signed (signature date 8/22/01) and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 Mullions are to be used only to support windows listed in approved drawings.

4. INSTALLATION

- 4.1 The aluminum mullion and its components shall be installed in strict compliance with the approved drawings.

5. LABELING

- 5.1 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".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 This NOA
 - 6.1.2 Copies of the approved drawings, as identified in Section 2 of this NOA, clearly marked to show the components selected for the proposed installation.
 - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

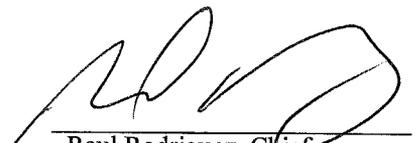


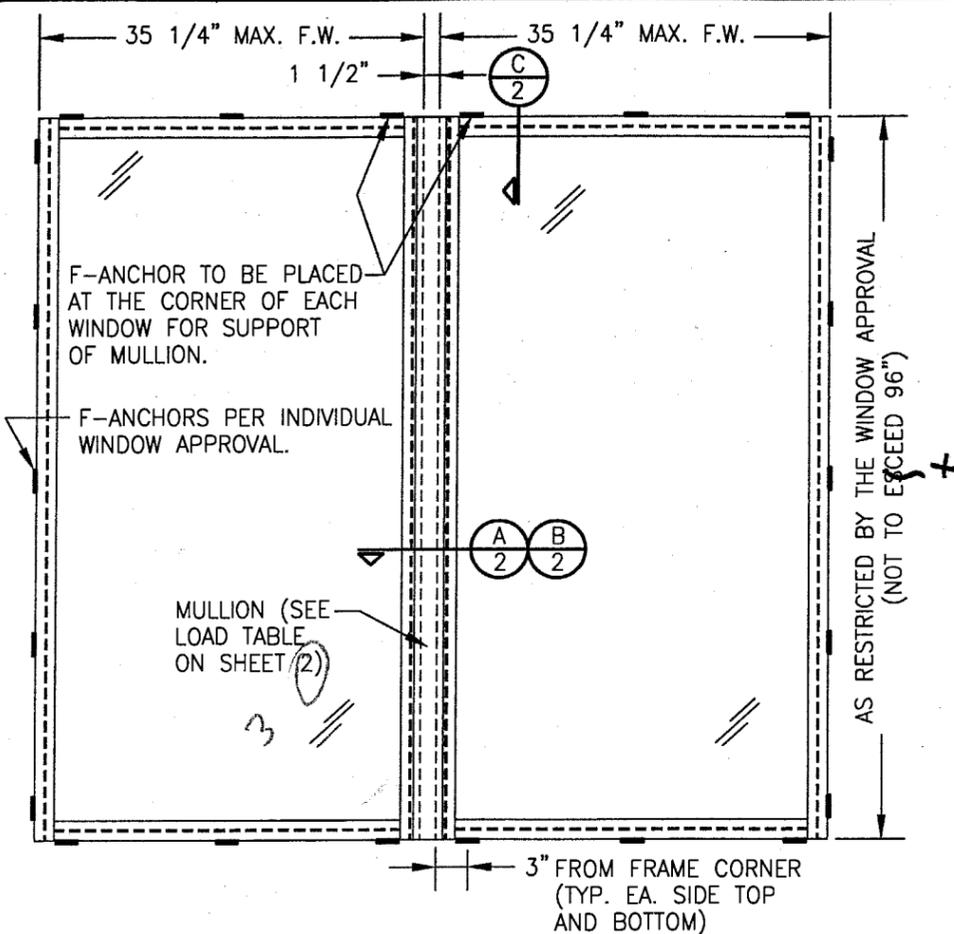
Raul Rodriguez, Chief
Product Control Division

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

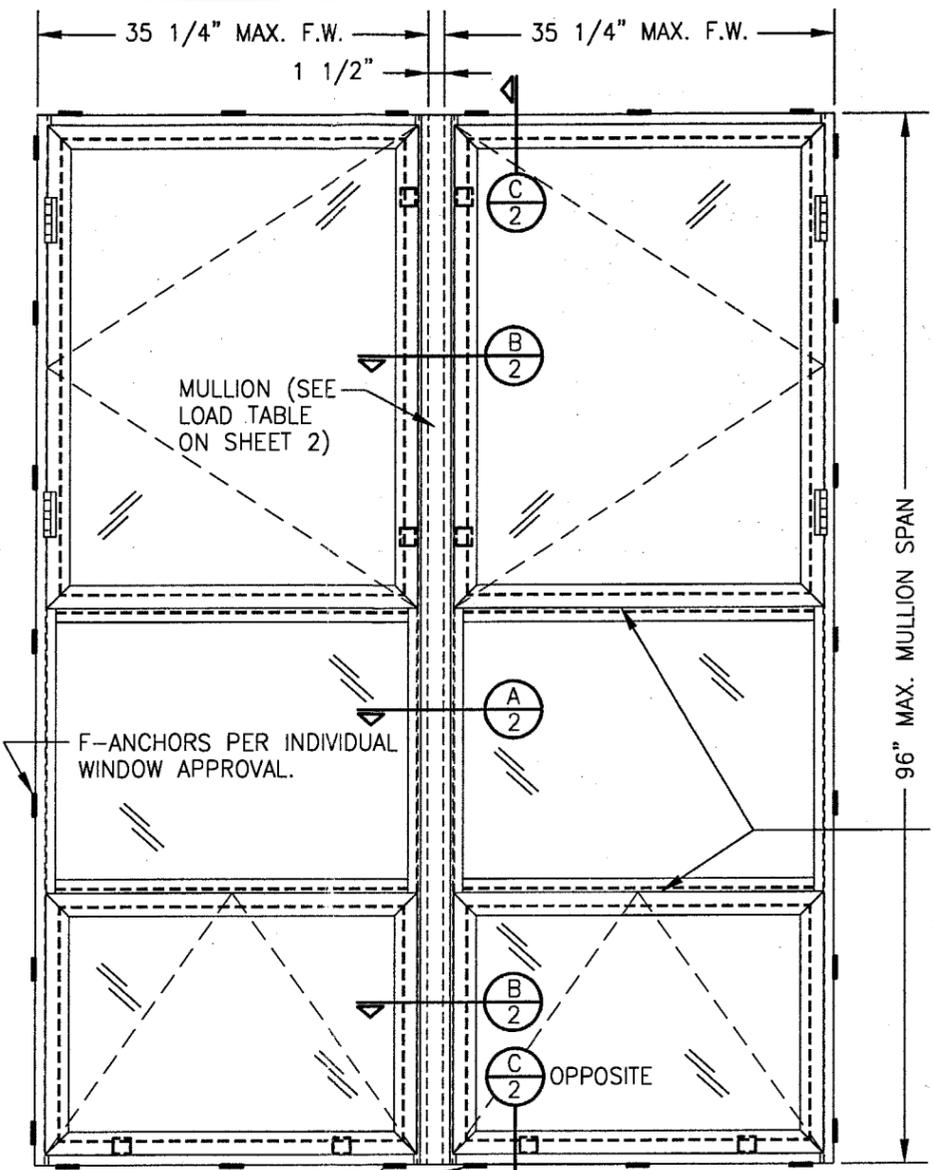
END OF THIS ACCEPTANCE


Raul Rodriguez, Chief
Product Control Division



**EXTERIOR ELEVATION
SINGLE WINDOW MULLED TO SINGLE WINDOW**

SCALE: 3/4"=1'-0"



**EXTERIOR ELEVATION
MULTIPLE WINDOWS MULLED TO MULTIPLE WINDOWS**

SCALE: 3/4"=1'-0"

FOR ALLOWABLE DESIGN LOADS ON MULLED UNITS, SEE LOAD TABLE ON SHEET 3.

ANY COMBINATION OF THE THREE WINDOW TYPES MAY BE MULLED TOGETHER WITH THIS MULLION.

SEE PROJECT-OUT DRAWING NO. 1029 UNDER SEPERATE APPROVAL FOR CHECK RAIL DETAIL (CASEMENT TO FIXED WINDOW CHECK RAIL IS THE SAME).

GENERAL NOTES

1. WINDOWS ACCEPTABLE FOR USE WITH THIS MULLION ARE THE FOLLOWING: S2600 FIXED WINDOW, S2600 CASEMENT WINDOW, AND S2600 FIXED/PROJECT-OUT WINDOW. REFERENCE SEPERATE MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE FOR EACH WINDOW AND INDIVIDUAL WINDOW REQUIREMENTS.
2. THE MULLION IS RESTRICTED TO THE MAXIMUM SPAN AND INDIVIDUAL WINDOW WIDTHS SHOWN IN THE ELEVATION.
3. THE NUMBER OF WINDOWS STACKED VERTICALLY MAY BE AS REQUIRED PROVIDING THE THE OVERALL HEIGHT OF THE FINISHED UNIT DOES NOT EXCEED THE MAXIMUM ALLOWABLE SPAN OF THE MULLION.
4. THERE IS NO LIMITATION TO HORIZONTAL STACKING OF WINDOWS WHEN SEPERATED BY THE MULLION PROPOSED IN THIS DRAWING.
5. THE MULLION HAS BEEN TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY PROTOCOLS PA201, PA202 & PA203. ALLOWABLE PRESSURES SHALL BE AS SPECIFIED IN THE "ALLOWABLE DESIGN LOAD TABLE"
6. OPENINGS AND SUPPORTING STRUCTURE SHALL BE DESIGNED AND INSTALLED TO WITHSTAND WIND LOADS AS DETERMINED FOR EACH APPLICATION. DESIGN OF OPENINGS SHALL BE BY OTHERS AND IS NOT PART OF THIS APPROVAL.
7. ALL FASTENER EMBEDMENTS SPECIFIED ARE TO BE BEYOND WALL FINISHES.

CLIP FASTENER REQUIREMENTS TABLE

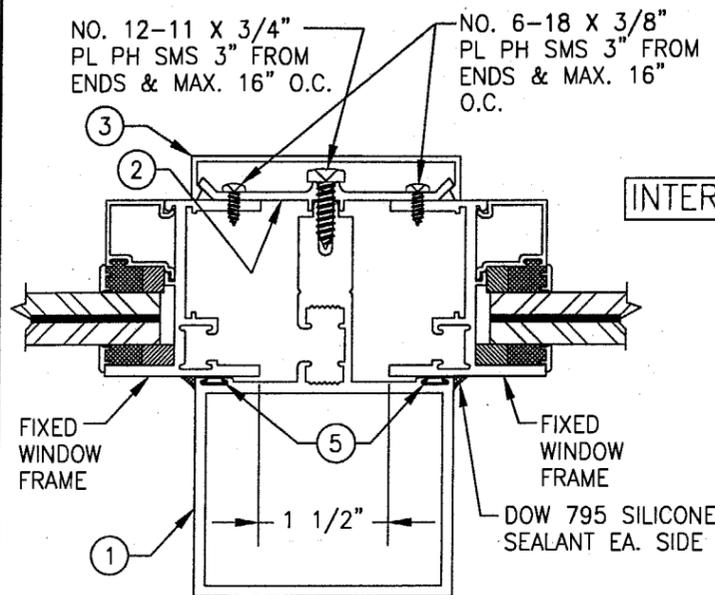
OPENING TYPE (SUBSTRATE)	CLIP TO OPENING FASTENER TYPE	NO. FASTENERS PER CLIP INTO SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
WOOD	NO. 12 SMS SCREW	3	1 1/4"	1"
MIN. 18 GA. STUD	NO. 12 TEK SCREW	3	FULL	1/2"
STRUCT. STEEL	NO. 12 TEK SCREW	3	FULL	1/2"
CMU/CONCRETE	1/4" TAPCON	2	1 1/4"	2"

COMBINATION RESTRICTIONS:

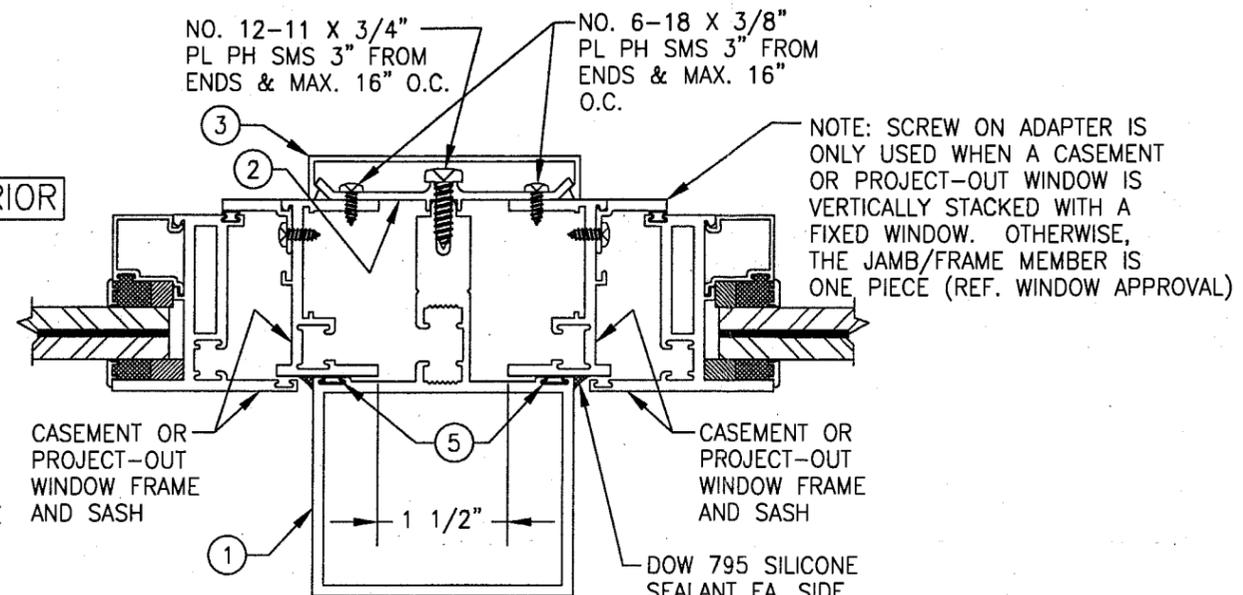
1. FIXED WINDOWS MAY NOT BE COMBINED DIRECTLY ABOVE OR BELOW ANOTHER FIXED WINDOW. OPERABLE WINDOWS MAY NOT BE COMBINED DIRECTLY ABOVE OR BELOW ANOTHER OPERABLE WINDOW. ONLY FIXED TO OPERABLE WINDOW COMBINATIONS MAY BE DIRECTLY MULLED (STACKED) TOGETHER VERTICALLY (FIXED WINDOW MUST SPLIT OPERABLE WINDOWS OR OPERABLE WINDOW MUST SPLIT FIXED WINDOWS WHEN STACKED VERTICALLY).
2. TWO OR MORE WINDOWS MAY BE STACKED VERTICALLY IN ACCORDANCE WITH NO. 1 ABOVE UP TO A TOTAL OPENING HEIGHT OF 96".
3. INDIVIDUAL WINDOWS SHALL BE IN ACCORDANCE WITH THEIR INDIVIDUAL APPROVALS (SEE GENERAL NOTE NO. 1).
4. INDIVIDUAL WINDOW DIMENSIONS ARE TO BE AS LIMITED BY THEIR INDIVIDUAL WINDOW APPROVALS.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE Nov. 1, 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0830,05

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 08/05/01
NO.	REVISION DESCRIPTION
BY	DATE
DRAWING TITLE S-2600 SYSTEM II IMPACT MULLION	
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 AUG 22 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1067	REV.
SHEET NO. 1	OF 3

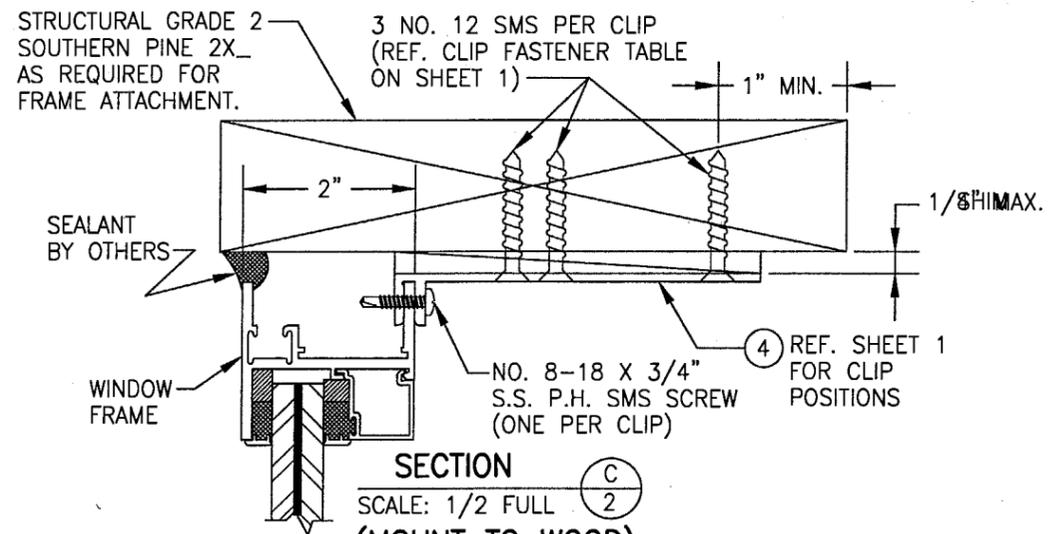


SECTION A
SCALE: 1/2 FULL
(FIXED TO FIXED SHOWN)

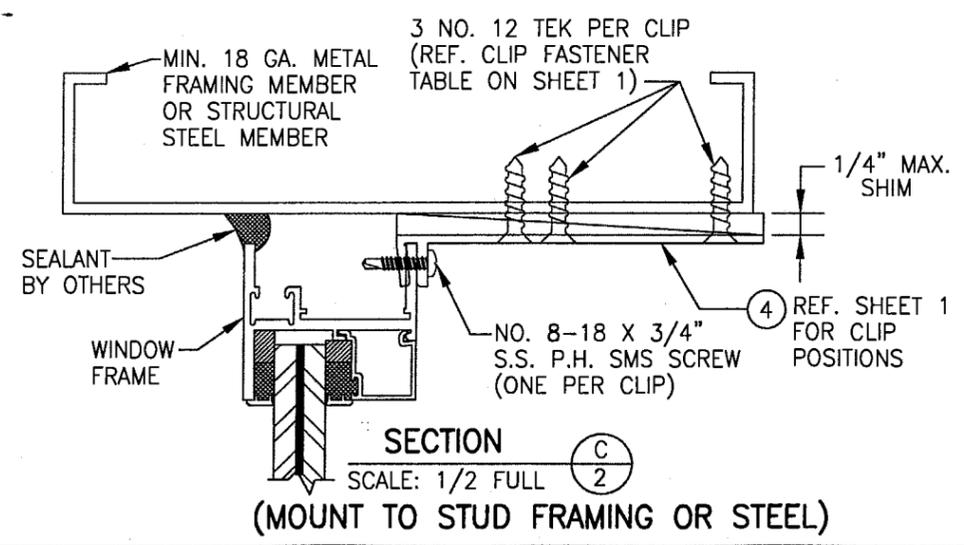


SECTION B
SCALE: 1/2 FULL
(CASEMENT OR PROJECT-OUT SHOWN EACH SIDE)

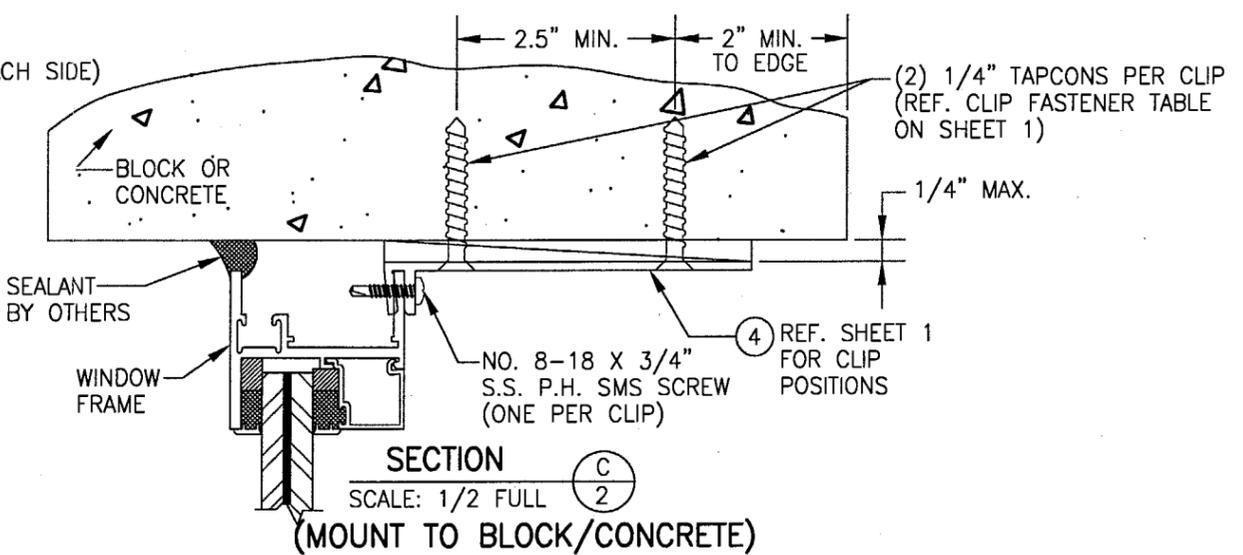
SECTION "C" SHOWS A FIXED WINDOW. CASEMENT & PROJECT-OUT WINDOWS HAVE THE SAME CLIP ATTACHMENT.



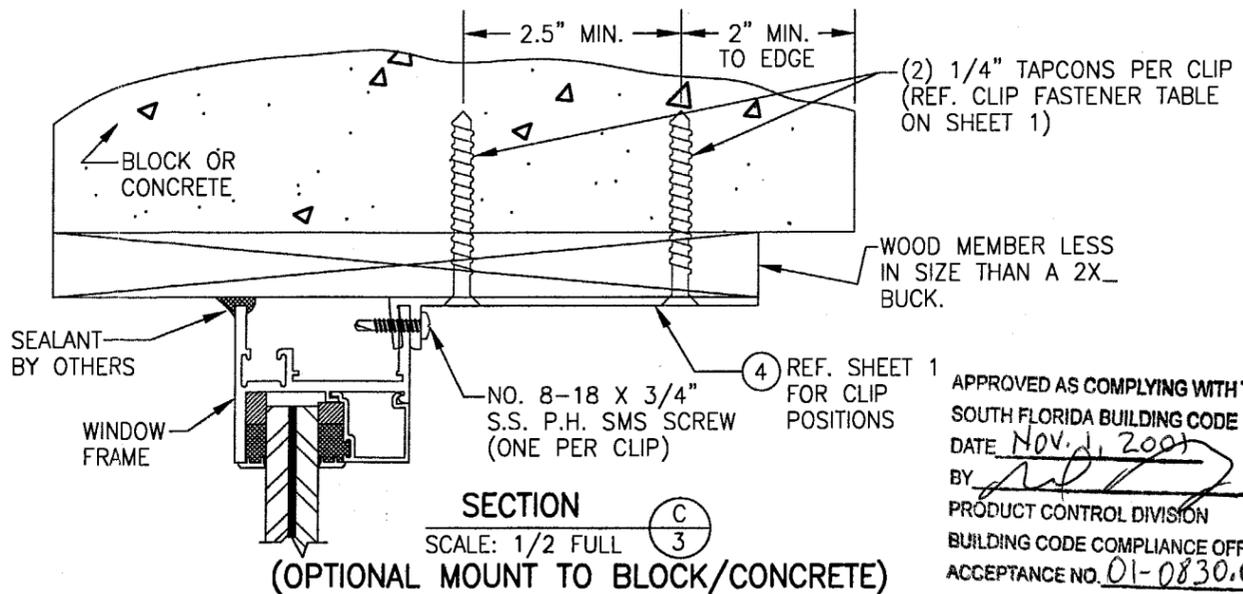
SECTION C
SCALE: 1/2 FULL
(MOUNT TO WOOD)



SECTION C
SCALE: 1/2 FULL
(MOUNT TO STUD FRAMING OR STEEL)



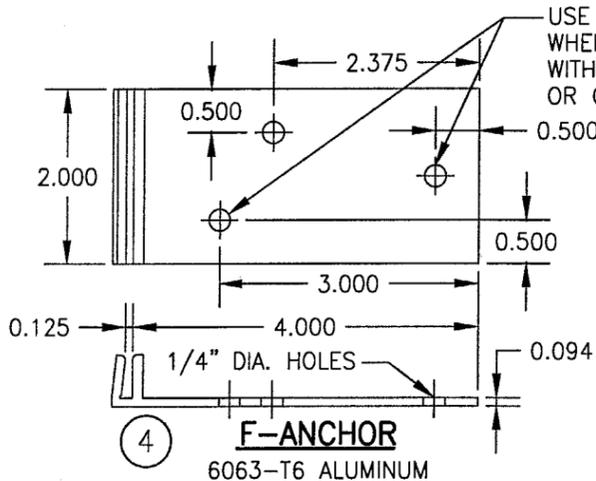
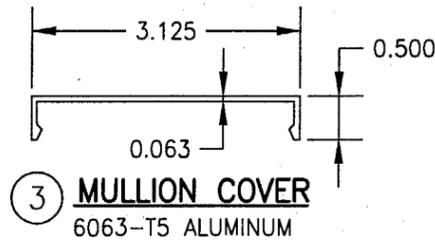
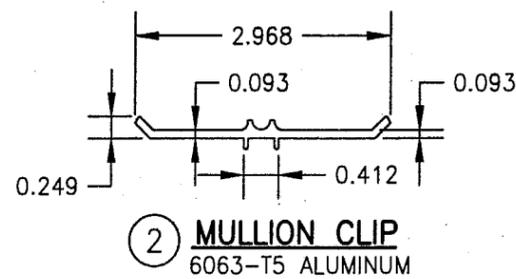
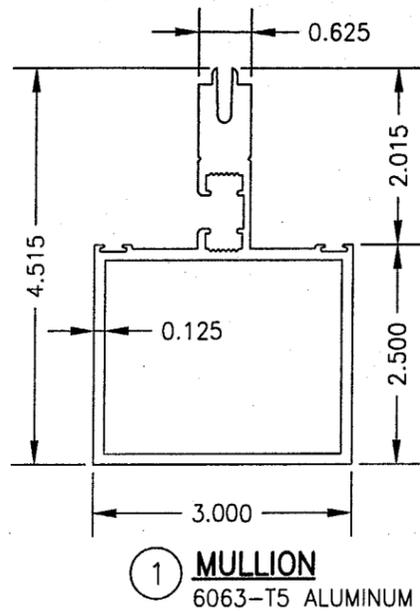
SECTION C
SCALE: 1/2 FULL
(MOUNT TO BLOCK/CONCRETE)



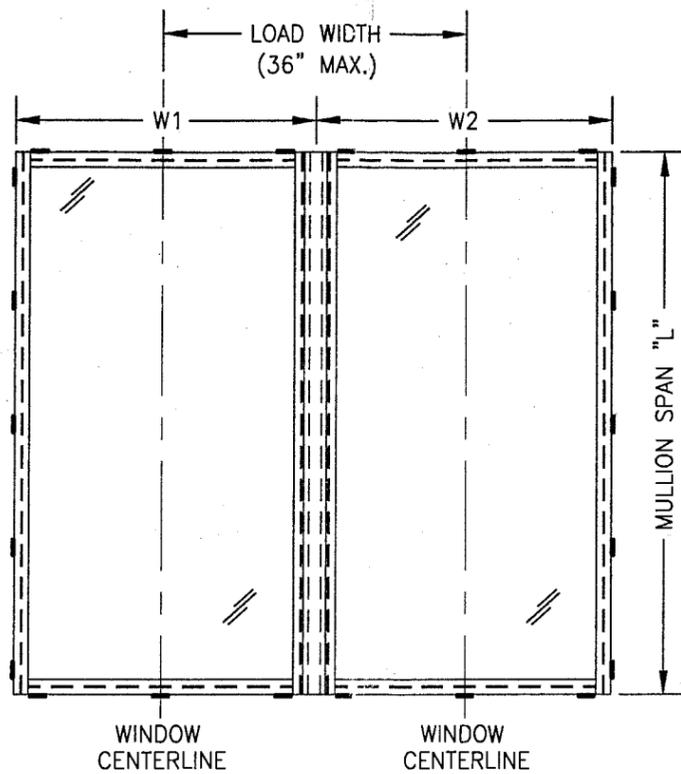
SECTION C
SCALE: 1/2 FULL
(OPTIONAL MOUNT TO BLOCK/CONCRETE)

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE NOV. 1, 2003
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0830.05

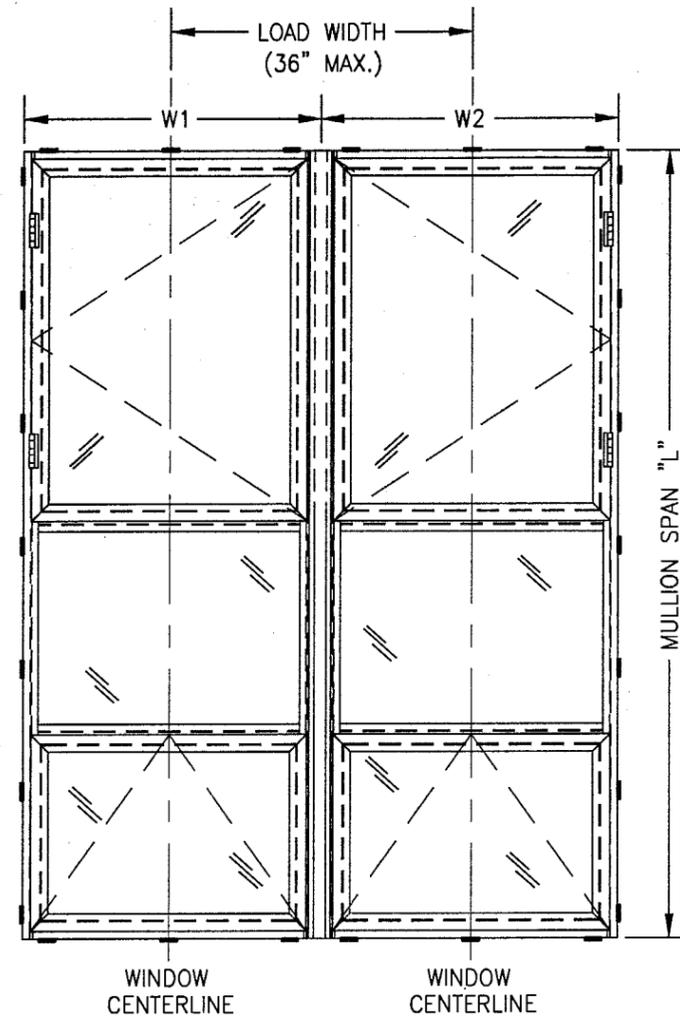
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 08/05/01
DATE	BY
REVISION DESCRIPTION	
NO.	
S-2600 SYSTEM II IMPACT MULLION MANUFACTURER EFCO CORPORATION 1000 COUNTY ROAD, P.O. BOX 609 MONETT, MO 65708-0609 800-221-4169	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	
CERTIFICATION AUG 22 2001 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1067	REV.
SHEET NO. 2 OF 3	



USE THESE TWO HOLES WHEN APPLYING ANCHOR WITH TAPCONS TO BLOCK OR CONCRETE!



$$\text{LOAD WIDTH "W"} = (W1 + W2)/2$$



$$\text{LOAD WIDTH "W"} = (W1 + W2)/2$$

ALLOWABLE DESIGN LOAD TABLE		
MULLION SPAN "L" (IN.)	LOAD WIDTH "W" (IN.)	ALLOWABLE PRESSURE (POS & NEG) (PSF)
72	36	100.0
78	30	100.0
	36	98.5
84	30	100.0
	36	91.4
90	30	100.0
	36	85.3
96	24	100.0
	30	96.0
	36	80.0

NOTE: ALLOWABLE DESIGN LOAD ON THE MULLED SYSTEM SHALL BE AS CONTROLLED BY THE LESSER OF THE LOAD SPECIFIED IN THIS TABLE OR THE ALLOWABLE LOAD SPECIFIED IN EACH INDIVIDUAL WINDOW APPROVAL. SEE ELEVATIONS ON THIS SHEET FOR DETERMINATION OF "L" & "W". LOAD WIDTH "W" AND PRESSURE ARE LIMITED TO 36" & 100 PSF RESPECTIVELY DUE TO INDIVIDUAL WINDOW & CHECK RAIL LIMITATIONS.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE Nov. 1, 2001 BY [Signature] PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 01-0830.05

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NO.	REVISION DESCRIPTION
DATE	BY
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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 AUG 22 2001 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1067
	REV.
	SHEET NO. 3 OF 3