



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.buldingcodeonline.com](http://www.buldingcodeonline.com)

**NOTICE OF ACCEPTANCE (NOA)**

**Andersen Corporation**  
100 Fourth Avenue North  
Bayport, MN 55003-1096

**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: Narrow Aluminum Mullion – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **M07-02**, titled "Narrow Aluminum Mullion System", sheets 1 through 6 of 6, dated 06/21/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA # **02-0417.05** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



NOA No. 07-0503.01  
Expiration Date: May 2, 2008  
Approval Date: August 2, 2007  
Page 1

**Andersen Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **M07-02**, Sheets 1 through 6 of 6, titled "Narrow Aluminum Mullion System", dated 06/21/07, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

**B. TESTS` (Tests performed under previous NOA No. 99-0811.05)**

1. Test report on 1) Uniform Static Air Pressure Test, Loading per PA 202-94 along with installation diagram of windows prepared by Architectural Testing Inc., Test Report No. **ATI-16720-N-1**, dated 11/30/95, signed and sealed by Allen N. Reeves, P.E. (*Test performed under previous NOA No. 99-0811.05*)
2. 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 two Flexiframe windows mulled together using a narrow aluminum mullion, prepared by Architectural Testing Inc., Test Report No. **ATI-02-31430.01**, dated 05/25/99, signed and sealed by Allen N. Reeves, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 06/29/07, signed and sealed by Humayoun Farooq, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

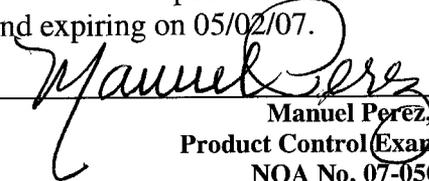
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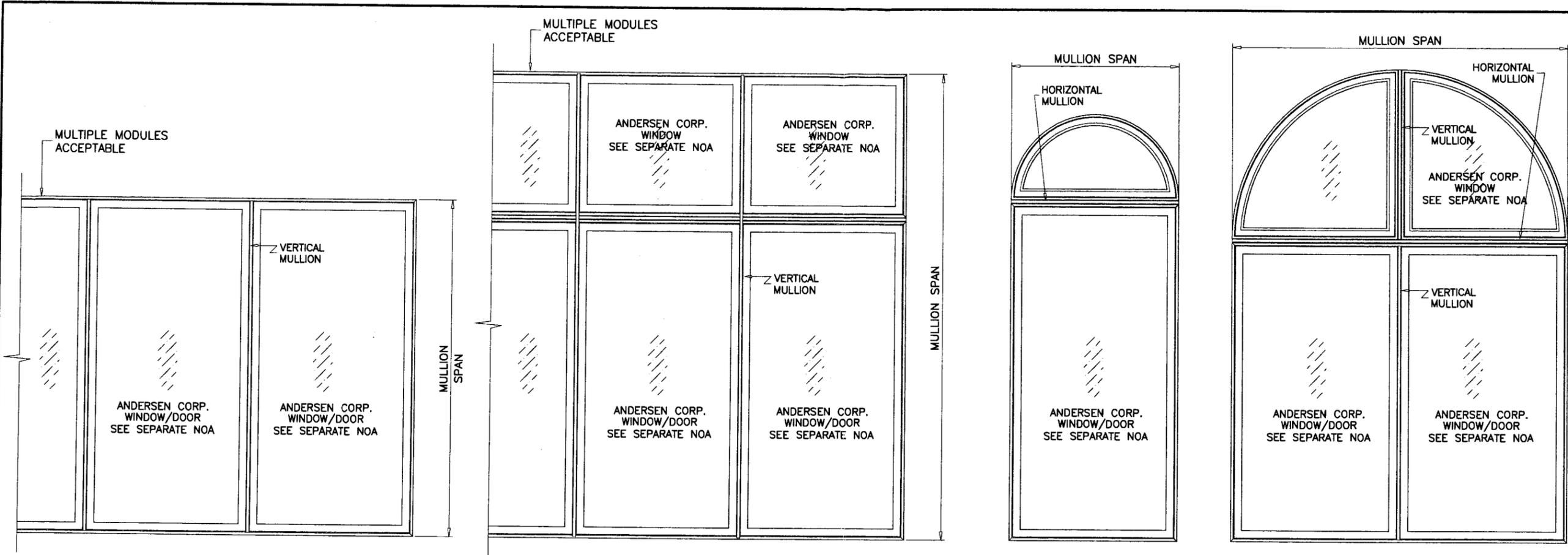
**F. STATEMENTS**

1. Statement letter of conformance, dated June 29, 2007, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter from manufacturer stating that the product has not changed and requesting a One-Year Renewal to allow the time to perform a verification test, dated 04/24/07, signed by Cindy Berger, Standards Engineer, Andersen Corporation.
3. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Architectural Testing, Inc., dated 04/19/07, signed by Daniel A. Johnson, Director, Regional Operations.

**G. OTHER**

1. Notice of Acceptance No. **02-0417.05**, issued to Andersen Corporation for their Narrow Mullion-Impact, approved on 05/06/02 and expiring on 05/02/07.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-0503.01  
Expiration Date: May 2, 2008  
Approval Date: August 2, 2007



TYPICAL MULLION ARRANGEMENT

**NARROW ALUMINUM MULLION SYSTEM WINDOW FRAME MEMBERS INCLUDED IN PROPERTIES**

DESIGN LOAD RATING FOR THIS MULLION TO BE AS PER CHARTS SHOWN ON SHEET 3.

APPROVAL APPLIES TO MULLIONS COMBINATIONS WITH FRAME MEMBERS OF ANDERSEN CORPORATION WINDOW AND DOORS IN ANY COMBINATIONS SEE SHEET 2 FOR WINDOW & DOOR FRAME MEMBER DETAILS.

SEE SEPARATE NOA FOR WINDOW/DOOR ANCHORS AND DESIGN LOAD CAPACITY.

LOWEST VALUE RESULTING FROM MULLION, WINDOW OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE BUILDING CODE REQUIREMENTS I.E: WIND LOAD, WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.).

ANCHORING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

MULLION SYSTEM IS RATED FOR LARGE MISSILE IMPACT. AND CAN BE USED WITH ALL MIAMI-DADE COUNTY APPROVED IMPACT AND NON-IMPACT RESISTANT PRODUCTS.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

11 JUL 17 2007

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 07-0503.01  
Expiration Date MAY 2, 2008

By *Manuel Perez*  
Miami Dade Product Control Division

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL (305) 264-8100 FAX (305) 262-6978  
MULLION M07-02AC

NARROW ALUMINUM MULLION SYSTEM  
**ANDERSEN CORPORATION**  
100 FOURTH AVE. NORTH  
BAYPORT, MN. 55003-1096  
TEL (800) 426-7691 FAX (-)  
ANDERSEN AW

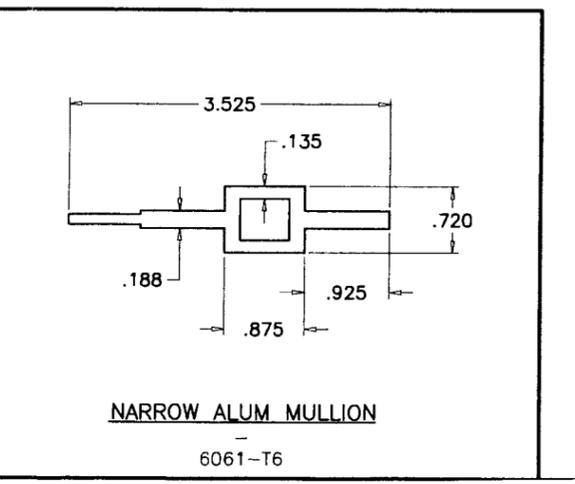
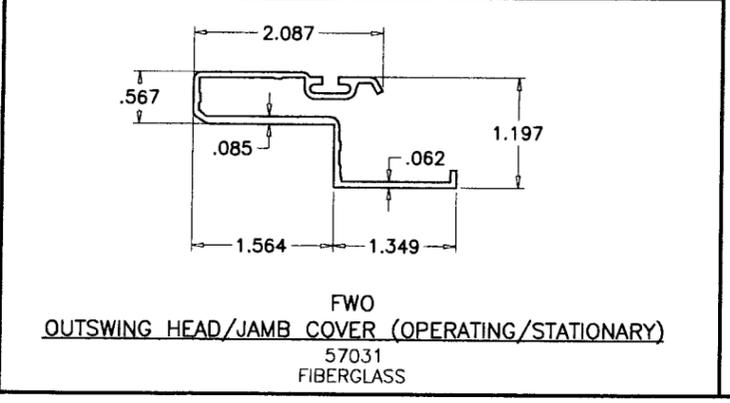
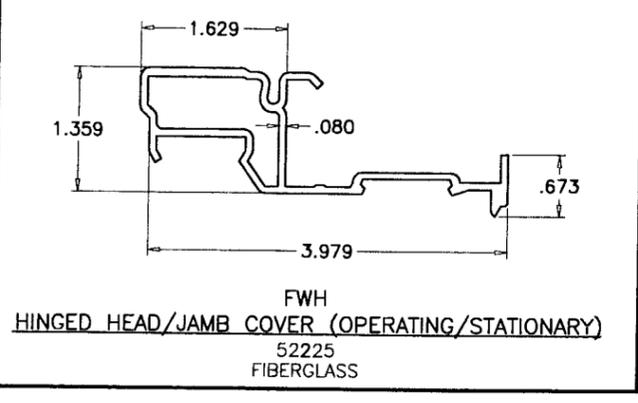
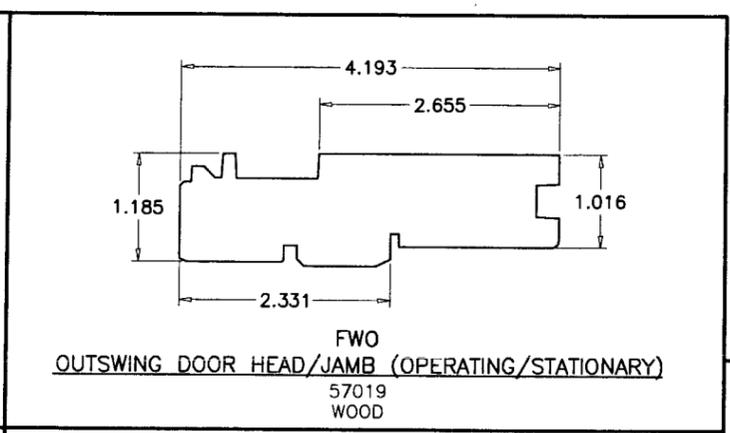
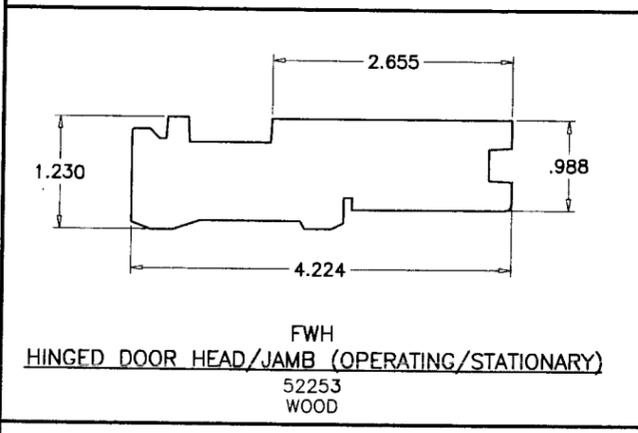
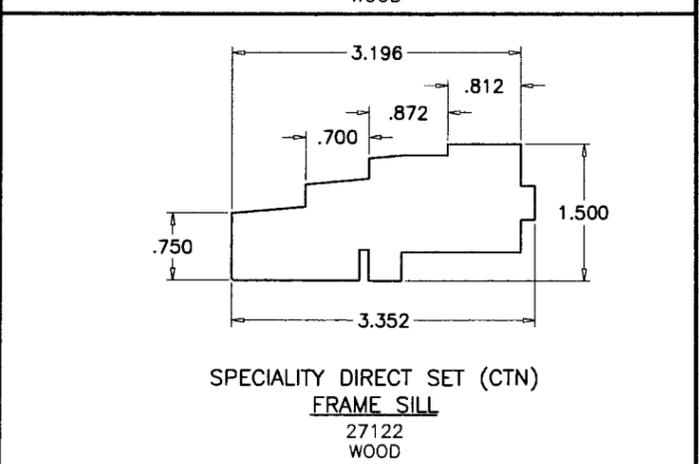
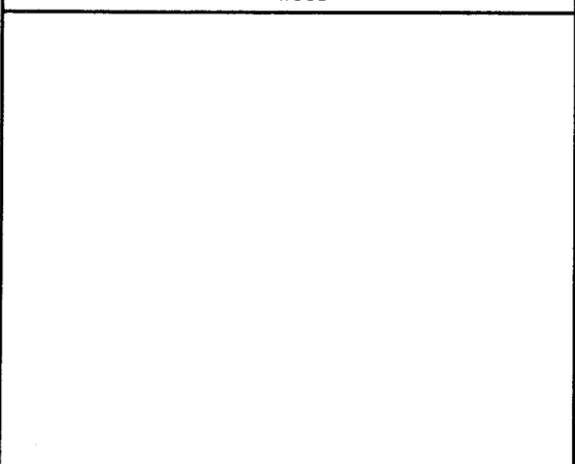
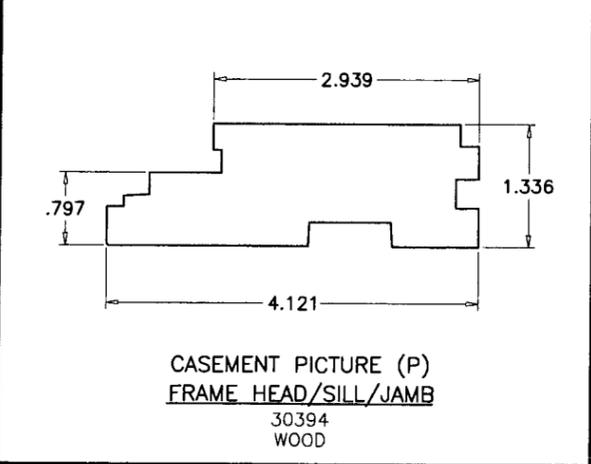
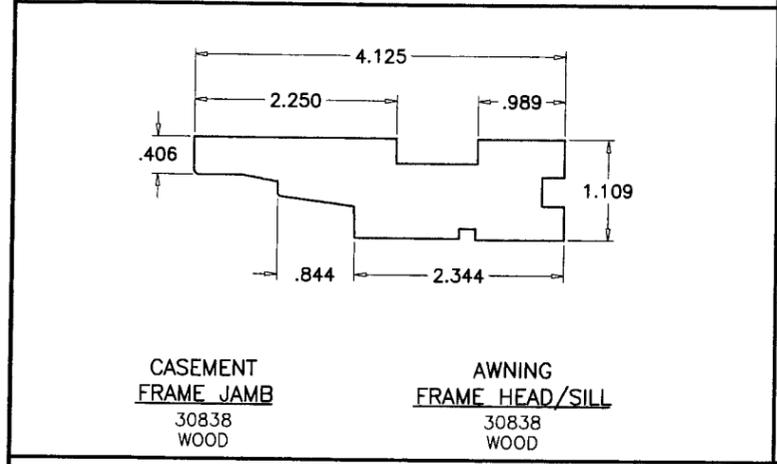
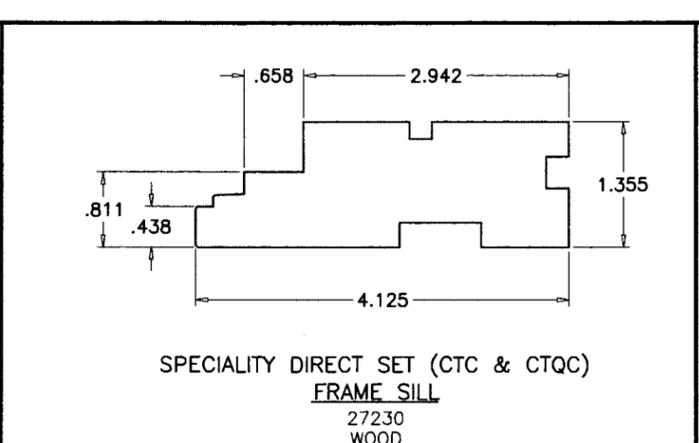
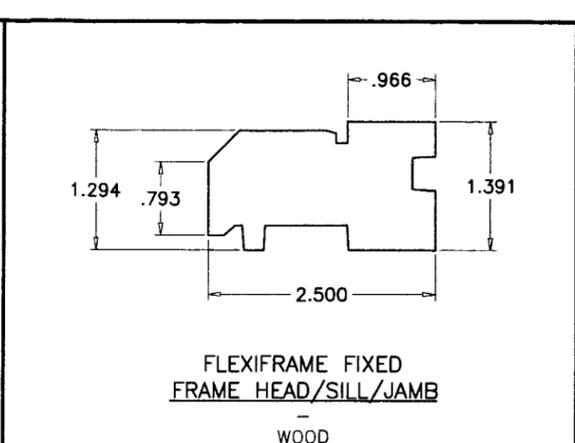
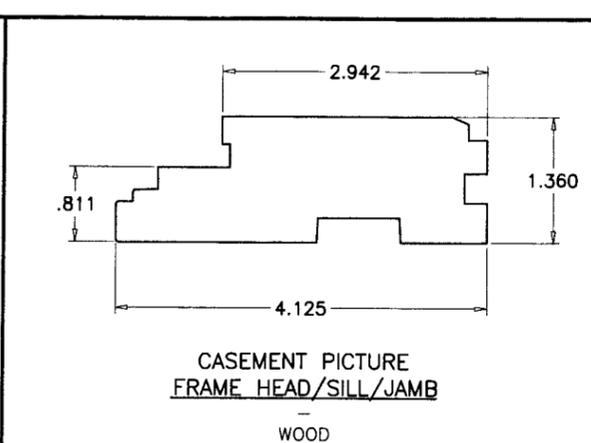
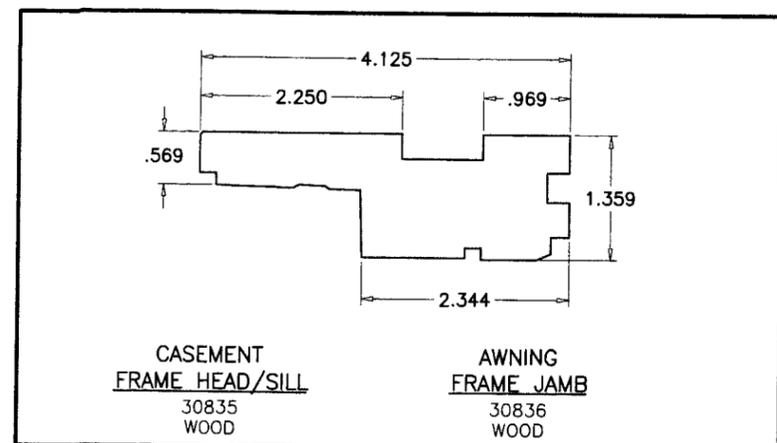
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chk. by:

drawing no.  
**M07-02**  
sheet 1 of 6

no	date	description

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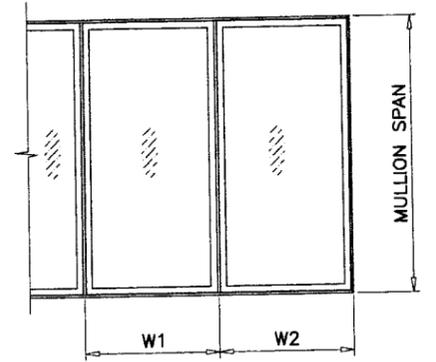


Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 JUL 17 2007

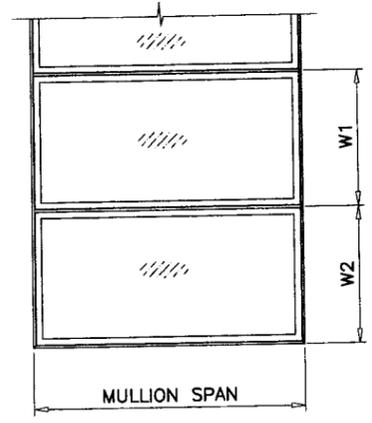
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-0503.01  
 Expiration Date MAY 2, 2008  
 By *Mamad Perez*  
 Miami Dade Product Control  
 Division

DESIGN LOAD CAPACITY - PSF W/O INTERMEDIATE HORIZONTALS			
WINDOW DIMS.		EXT. (+) INT. (-)	
WIDTH (W)	MULL SPAN		
12"	36"	100.0	
15"		100.0	
18"		100.0	
21"		100.0	
24"		100.0	
27"		100.0	
30"		100.0	
33"		100.0	
36"		100.0	
39"		100.0	
42"		100.0	
45"		100.0	
48"	100.0		
12"	42"	100.0	
15"		100.0	
18"		100.0	
21"		100.0	
24"		100.0	
27"		100.0	
30"		100.0	
33"		100.0	
36"		100.0	
39"		100.0	
42"		100.0	
45"		100.0	
48"	100.0		
12"	48"	100.0	
15"		100.0	
18"		100.0	
21"		100.0	
24"		100.0	
27"		100.0	
30"		100.0	
33"		100.0	
36"		99.2	
39"		96.4	
42"		94.5	
12"		54"	100.0
15"	100.0		
18"	100.0		
21"	100.0		
24"	100.0		
27"	98.0		
30"	91.6		
33"	86.6		
36"	82.7		
12"	60"		100.0
15"			100.0
18"			100.0
21"		100.0	
24"		93.0	
27"		85.3	
30"		79.4	
33"		74.6	

DESIGN LOAD CAPACITY - PSF W/O INTERMEDIATE HORIZONTALS		
WINDOW DIMS.		EXT. (+) INT. (-)
WIDTH (W)	MULL SPAN	
12"	66"	100.0
15"		100.0
18"		100.0
21"		91.9
24"		82.7
27"		75.6
30"	70.0	
12"	72"	100.0
15"		100.0
18"		84.8
21"		73.4
24"		64.9
27"		58.4
12"	78"	98.6
15"		79.3
18"		66.5
21"		57.4
24"		50.7
12"		84"
15"	63.4	
18"	53.1	
21"	45.8	
24"	40.4	

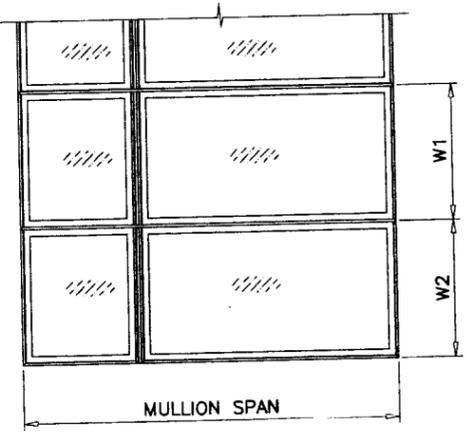
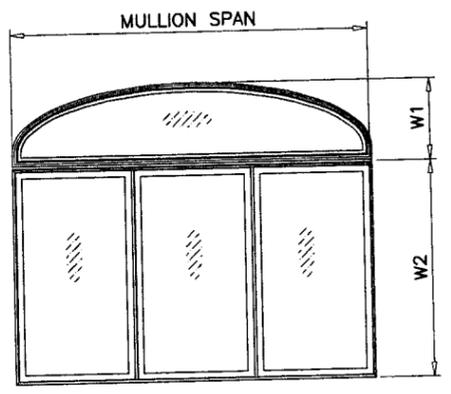
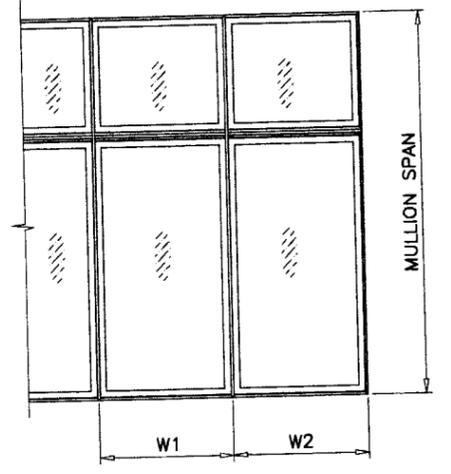


$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS			
WINDOW DIMS.		EXT. (+) INT. (-)	
WIDTH (W)	MULL SPAN		
12"	36"	100.0	
15"		100.0	
18"		100.0	
21"		100.0	
24"		100.0	
27"		100.0	
30"		100.0	
33"		100.0	
36"		100.0	
39"		100.0	
42"		100.0	
45"		100.0	
48"	100.0		
12"	42"	100.0	
15"		100.0	
18"		100.0	
21"		100.0	
24"		100.0	
27"		100.0	
30"		100.0	
33"		100.0	
36"		100.0	
39"		95.1	
42"		88.3	
45"		82.4	
48"	77.3		
12"	48"	100.0	
15"		100.0	
18"		100.0	
21"		100.0	
24"		100.0	
27"		100.0	
30"		94.7	
33"		86.1	
36"		78.9	
39"		72.8	
42"		67.6	
12"		54"	100.0
15"	100.0		
18"	100.0		
21"	100.0		
24"	93.5		
27"	83.1		
30"	74.8		
33"	68.0		
36"	62.3		
12"	60"		100.0
15"			100.0
18"			93.2
21"		79.9	
24"		69.9	
27"		62.2	
30"		55.9	
33"		50.9	

DESIGN LOAD CAPACITY - PSF WITH INTERMEDIATE HORIZONTALS		
WINDOW DIMS.		EXT. (+) INT. (-)
WIDTH (W)	MULL SPAN	
12"	66"	100.0
15"		84.1
18"		70.0
21"		60.0
24"		52.5
27"		46.7
30"	42.0	
12"	72"	80.9
15"		64.7
18"		54.0
21"		46.2
24"		40.5
27"		36.0
12"	78"	63.7
15"		50.9
18"		42.4
21"		36.4
24"		31.8
12"		84"
15"	40.8	
18"	34.0	
21"	29.1	
24"	25.5	



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

*17 2007*

**PRODUCT REVISED**  
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By *Manuel Seroz*  
Miami Dade Product Control  
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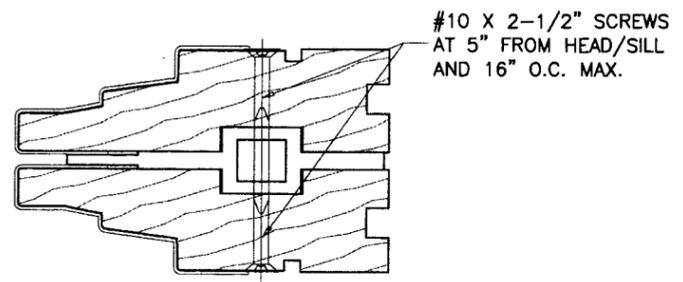
**AL-FAROOQ CORPORATION**  
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MULLION\M07-02AC

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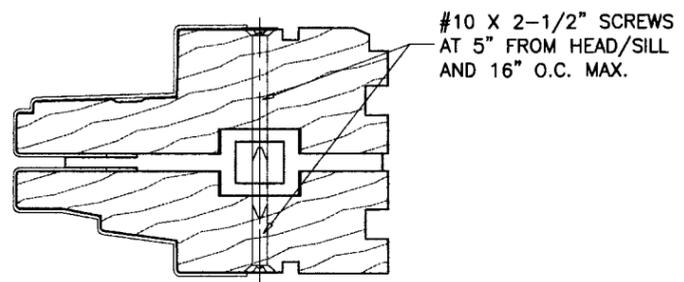
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chk. by:

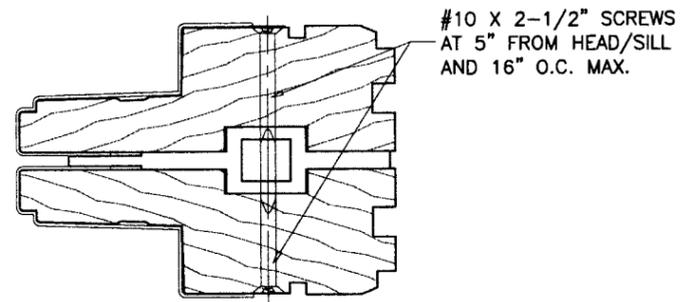
drawing no.  
**M07-02**  
sheet 3 of 6



CASEMENT TO CASEMENT  
VERTICAL JOIN



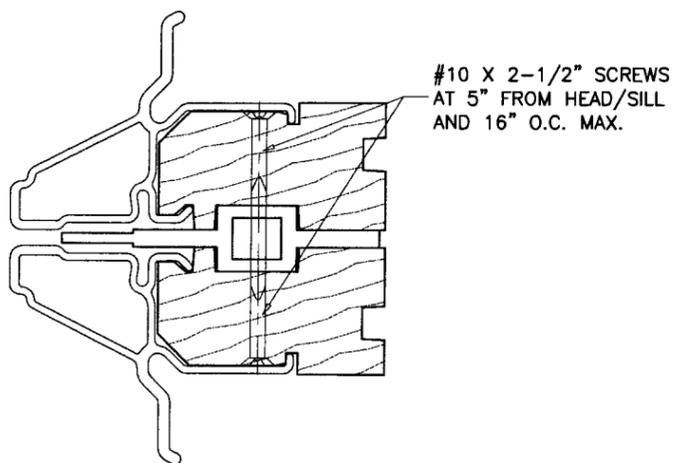
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VERTICAL OR HORIZONTAL JOIN



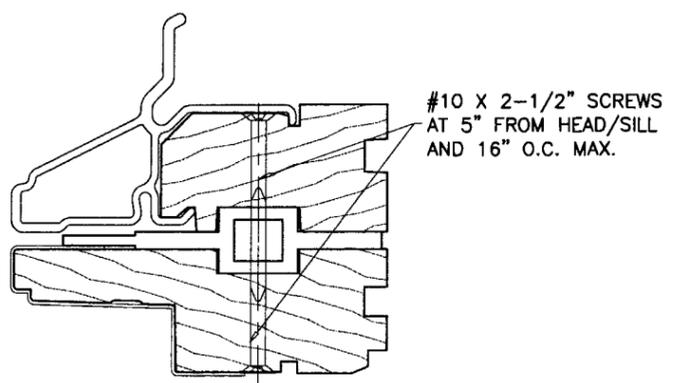
CASEMENT TO CASEMENT  
HORIZONTAL JOIN

AWNING TO AWNING  
HORIZONTAL JOIN

AWNING TO AWNING  
VERTICAL JOIN

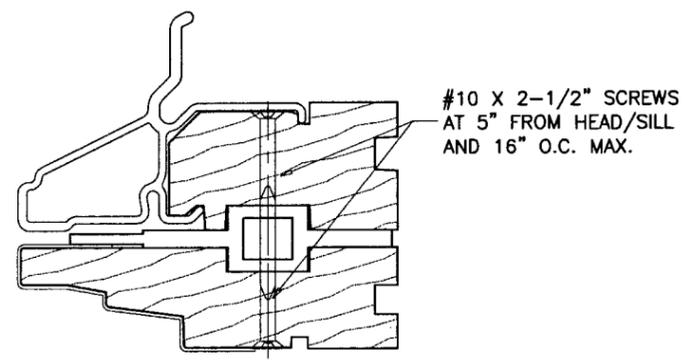


FLEXIFRAME TO FLEXIFRAME  
VERTICAL OR HORIZONTAL JOIN



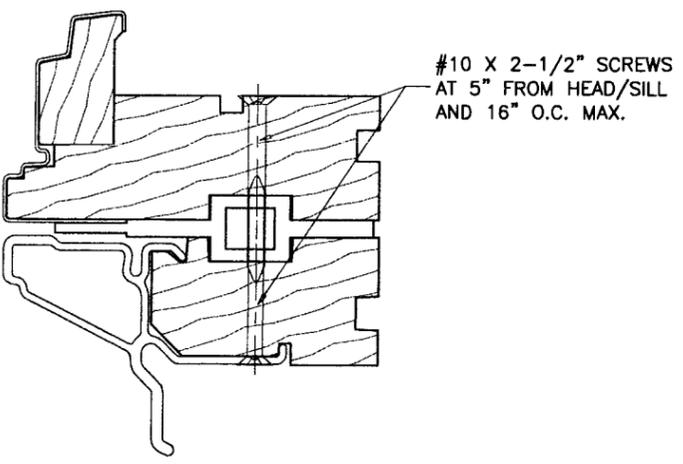
CASEMENT TO FLEXIFRAME  
HORIZONTAL JOIN

AWNING TO FLEXIFRAME  
VERTICAL JOIN

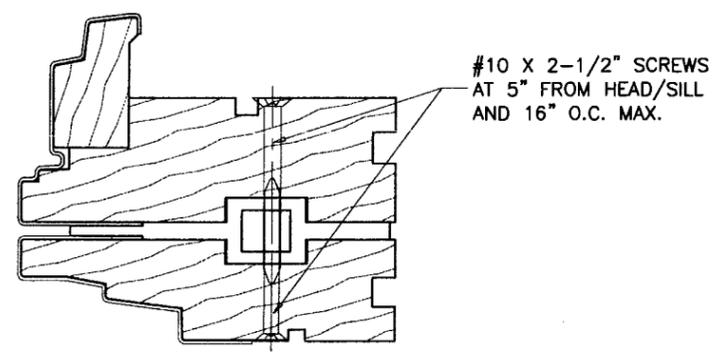


CASEMENT TO FLEXIFRAME  
VERTICAL JOIN

AWNING TO FLEXIFRAME  
HORIZONTAL JOIN



FLEXIFRAME TO CIRCLE TOP/QUARTER  
VERTICAL OR HORIZONTAL JOIN



CIRCLE TOP TO AWNING  
HORIZONTAL JOIN

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
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JUL 17 2007

PRODUCT REVISED  
as complying with the Florida  
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Acceptance No. 07-0503.01  
Expiration Date 12/2/2008

By: *Manuel Perez*  
Miami Made Product Control  
Division

**afc**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
MULLION M07-02AC

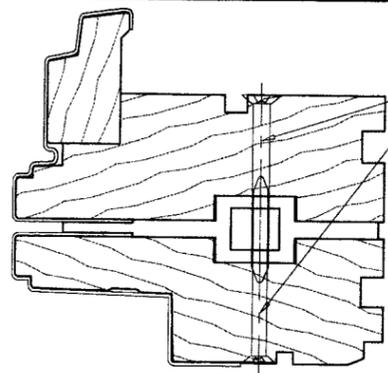
NARROW ALUMINUM MULLION SYSTEM

**ANDERSEN CORPORATION**  
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revisions:	no	date	description

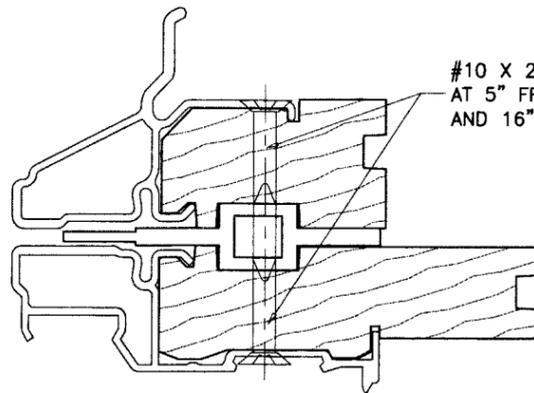
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scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**M07-02**  
sheet 4 of 6



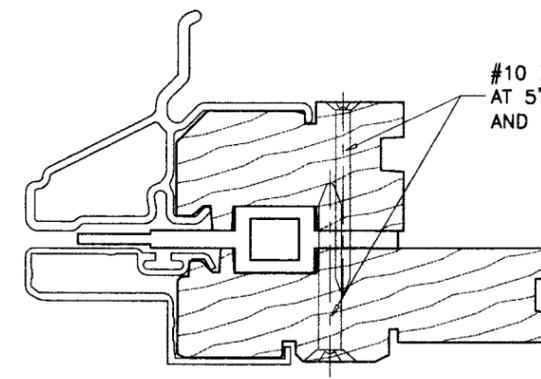
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AT 5" FROM HEAD/SILL  
AND 16" O.C. MAX.

CIRCLE TOP TO CASEMENT  
HORIZONTAL JOIN



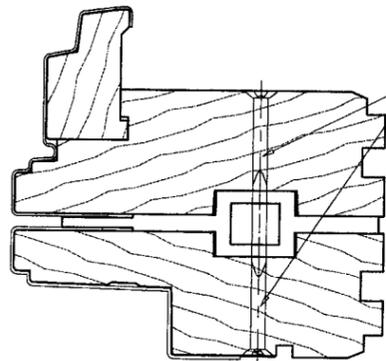
#10 X 2-1/2" SCREWS  
AT 5" FROM HEAD/SILL  
AND 16" O.C. MAX.

FLEXIFRAME/ARCH/SPRINGLINE TO FWH DOOR  
HORIZONTAL JOIN



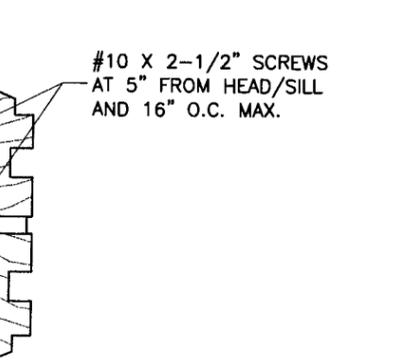
#10 X 2-1/2" SCREWS  
AT 5" FROM HEAD/SILL  
AND 16" O.C. MAX.

FLEXIFRAME/ARCH/SPRINGLINE TO FWO DOOR  
HORIZONTAL JOIN

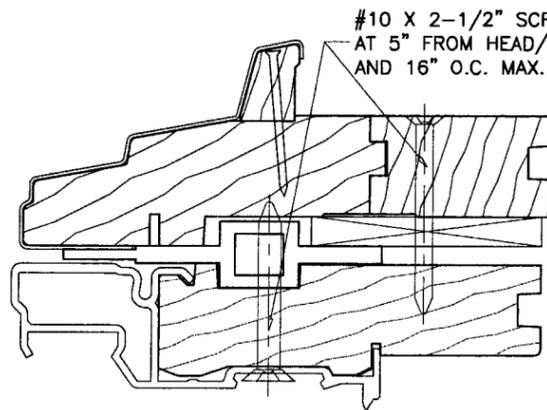


#10 X 2-1/2" SCREWS  
AT 5" FROM HEAD/SILL  
AND 16" O.C. MAX.

CASMT PICTURE WDW. TO AWNING  
VERTICAL JOIN

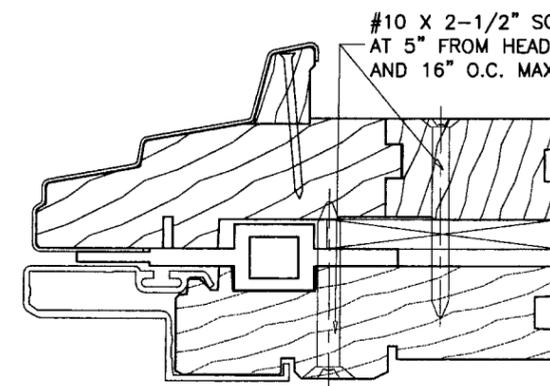


CASMT PICTURE WDW. TO CASEMENT  
HORIZONTAL JOIN



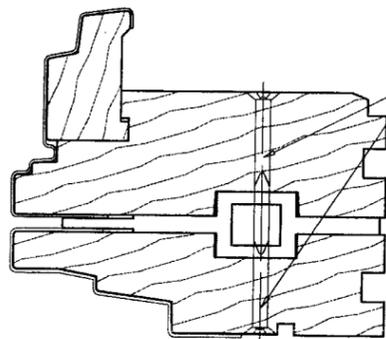
#10 X 2-1/2" SCREWS  
AT 5" FROM HEAD/SILL  
AND 16" O.C. MAX.

FLEXIFRAME/ARCH/SPRINGLINE TO FWH DOOR  
HORIZONTAL JOIN



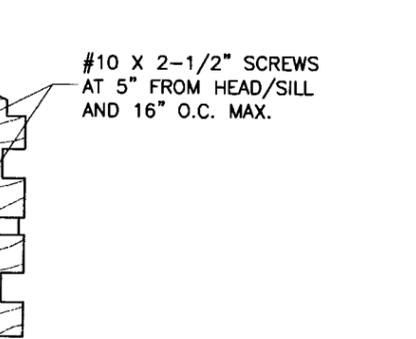
#10 X 2-1/2" SCREWS  
AT 5" FROM HEAD/SILL  
AND 16" O.C. MAX.

FLEXIFRAME/ARCH/SPRINGLINE TO FWO DOOR  
HORIZONTAL JOIN

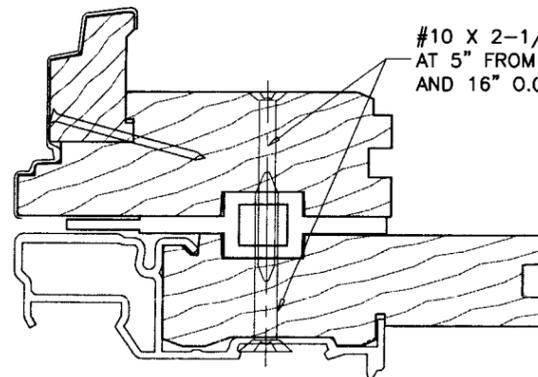


#10 X 2-1/2" SCREWS  
AT 5" FROM HEAD/SILL  
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CASMT PICTURE WDW. TO AWNING  
HORIZONTAL JOIN

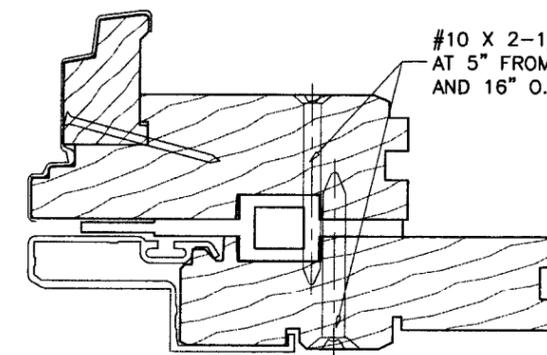


CASMT PICTURE WDW. TO CASEMENT  
VERTICAL JOIN



#10 X 2-1/2" SCREWS  
AT 5" FROM HEAD/SILL  
AND 16" O.C. MAX.

PSCA PICTURE WDW TO FWH DOOR  
HORIZONTAL JOIN



#10 X 2-1/2" SCREWS  
AT 5" FROM HEAD/SILL  
AND 16" O.C. MAX.

PSCA PICTURE WDW TO FWO DOOR  
HORIZONTAL JOIN

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 07-0503.01  
Expiration Date 12/31/2008  
By *Maurice Perez*  
Miami Dade Product Control  
Division

JUL 17 2007

**afc**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
MULLION M07-02AC

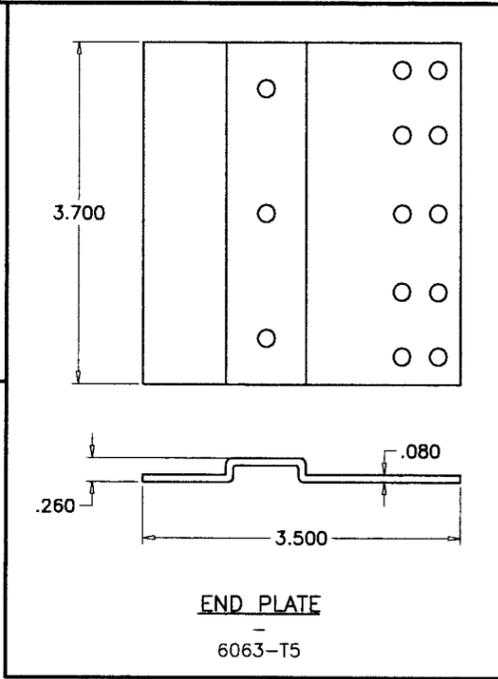
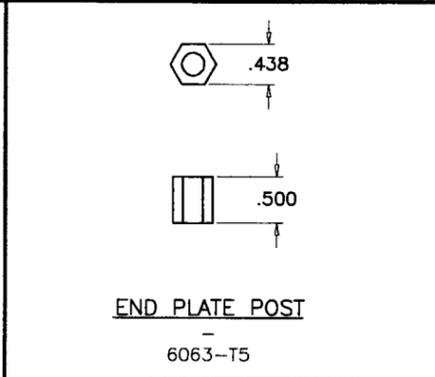
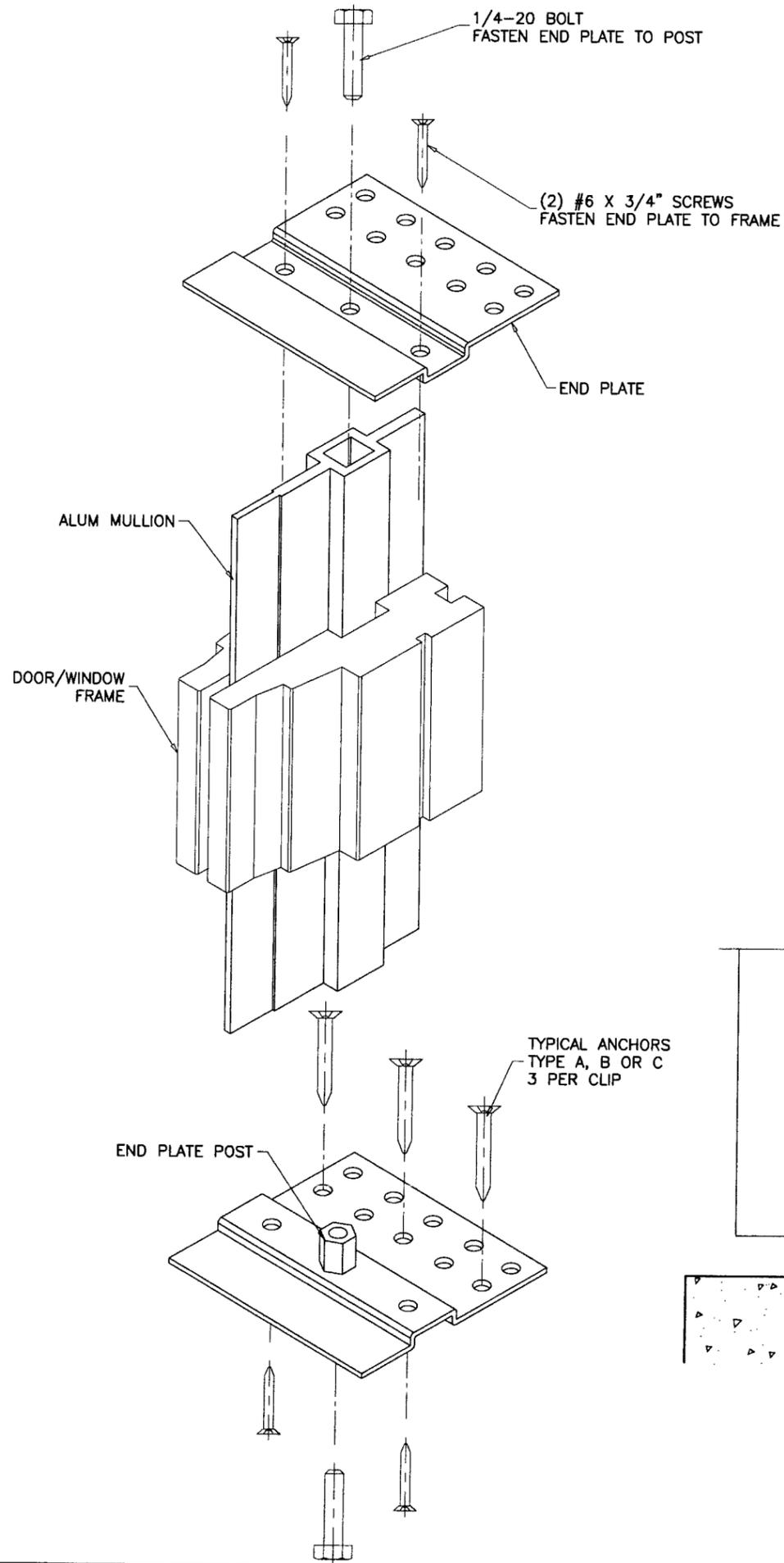
NARROW ALUMINUM MULLION SYSTEM  
**ANDERSEN CORPORATION**  
100 FOURTH AVE. NORTH  
BAYPORT, MN. 55003-1096  
TEL. (800) 426-7691 FAX (-)

revisions:	no	date	by	description

date: 06-21-07  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**M07-02**

sheet 5 of 6



**TYPICAL ANCHORS:**

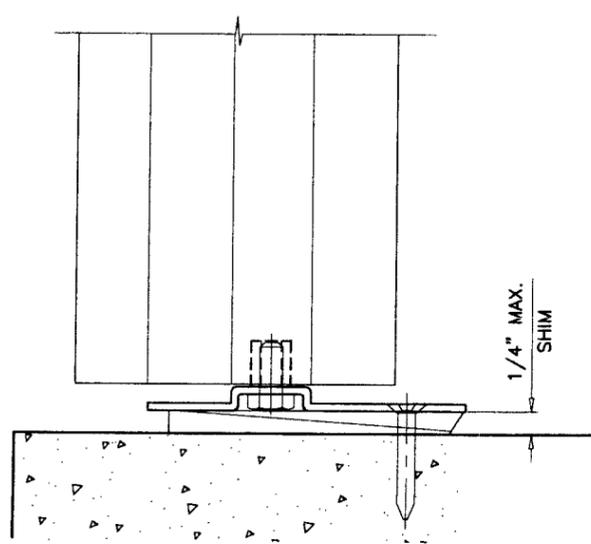
TYPE 'A' - #12 SMS OR WOOD SCREWS  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE  
 1-3/8" MIN. PENETRATION INTO WOOD

TYPE 'B' - 3/16" DIA TAPCONS BY 'ELCO'  
 THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.  
 1-1/2" MIN. EMBED INTO MASONRY OR CONC.  
 DIRECTLY INTO CONCRETE OR MASONRY  
 1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY

TYPE 'C' - #12 SMS OR SELF DRILLING SCREWS  
 INTO METAL STRUCTURES  
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)  
 ALUMINUM : .080" THK. MIN. (6063-T5 MIN.)  
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**TYPICAL EDGE DISTANCES**  
 INTO CONCRETE AND MASONRY = 1-5/8" MIN.  
 INTO WOOD STRUCTURE = 3/4" MIN.  
 INTO METAL STRUCTURE = 1/2" MIN.

**ANCHORS C/C TO C/C DISTANCES**  
 INTO CONCRETE AND MASONRY = 1-3/16" MIN.  
 INTO WOOD STRUCTURE = 3/4" MIN.  
 INTO METAL STRUCTURE = 3/4" MIN.



Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538

JUL 17 2007

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 07-0503.01  
 Expiration Date 12/22/2008

By: *Manuel Perez*  
 Miami Dade Product Control  
 Division

**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
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 sheet 6 of 6