



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)**

**Curv-A-Tech Corporation**  
930 West 23<sup>rd</sup> Street  
Hialeah, FL 33010

**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: Aluminum Tube Mullion - LMI**

**APPROVAL DOCUMENT:** Drawing No. **M95-19A**, titled "Aluminum Tube Mullions", sheets 1 through 5 of 5, prepared by Al-Farooq Corporation, dated 12/07/95 with revision C dated 07/24/08, 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: LMI**

**LIMITATION:** This NOA is not valid without the corporate seal of Curv-A Tech Corporation

**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 # 07-0424.13 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Fitz A. Harris, P.E.**



*Fitz A. Harris*

NOA No. 08-0813.08  
Expiration Date: March 28, 2013  
Approval Date: October 2, 2008  
Page 1

**Curv-A-Tech Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS**
1. Manufacturer's die drawings and sections.
  2. Drawing No. **M95-19A**, titled "Aluminum Tube Mullions", sheets 1 through 5 of 5, prepared by Al-Farooq Corporation, dated 12/07/95 with revision c dated 07/24/08, signed and sealed by Humayoun Farooq, P.E.
- B. TESTS**
1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per TAS 202-94, Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Loading Test per TAS 203, along with installation diagram of window prepared by Hurricane Engineering & Testing Inc., Test Report No. **FTL 5636**, dated June 13, 2008 signed and sealed by Carlos Rionda, P.E.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-2004/2007, prepared by Al-Farooq Corporation, dated 07/22/08, signed and sealed by Humayoun Farooq, P.E.
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. None.
- F. STATEMENTS**
1. Statement letter of conformance, dated July 22, 2008, signed and sealed by Humayoun Farooq, P.E.
  2. Letter of "No Financial Interest in Testing Laboratory", dated 7/22/08, signed and sealed by Humayoun Farooq, P.E.
- G. OTHER**
1. Notice of Acceptance No. **07-0424.13**, issued to Cur-A-Tech Corporation for their Aluminum Tube Mullion, approved on 07/05/07 and expiring on 03/28/08.



*Fitz A. Harris*

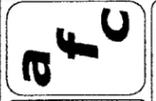
Fitz A. Harris, P.E.

Product Control Examiner

NOA No. 08-0813.08

Expiration Date: March 28, 2013

Approval Date: October 2, 2008



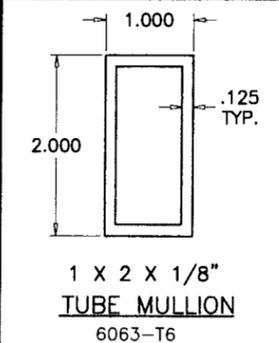
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 12335 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978

**ALUMINUM TUBE MULLIONS**  
**CURV-A-TECH CORPORATION**  
 930 W. 23rd STREET  
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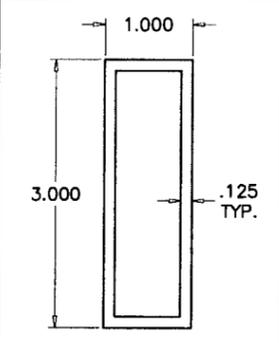
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B	02.19.07	UPDATED FOR 2004 FBC
C	07.24.08	UPDATED FOR 2007 FBC

date: 12-07-95  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

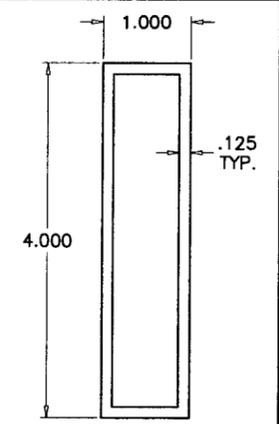
drawing no.  
**M95-19A**  
 sheet 1 of 5



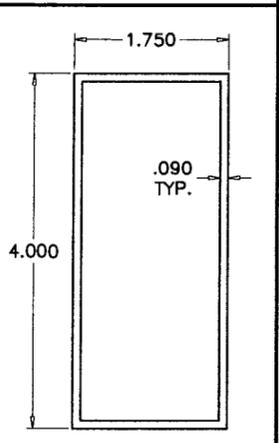
**1 X 2 X 1/8" TUBE MULLION**  
6063-T6



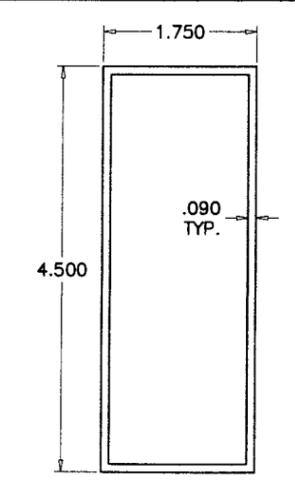
**1 X 3 X 1/8" TUBE MULLION**  
6063-T6



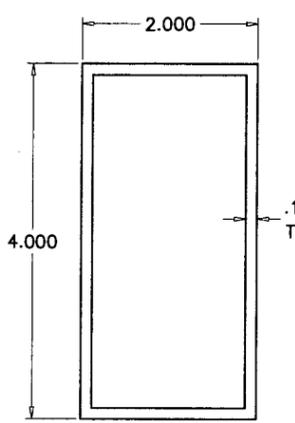
**1 X 4 X 1/8" TUBE MULLION**  
6063-T6



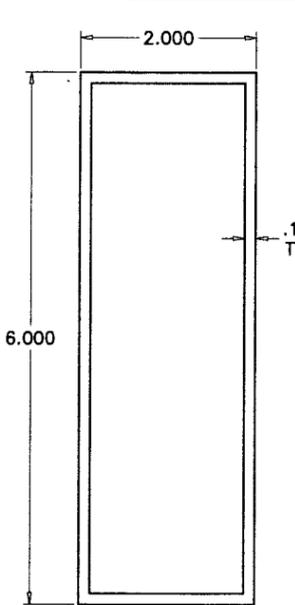
**1-3/4 X 4 X .090" TUBE MULLION**  
6063-T6



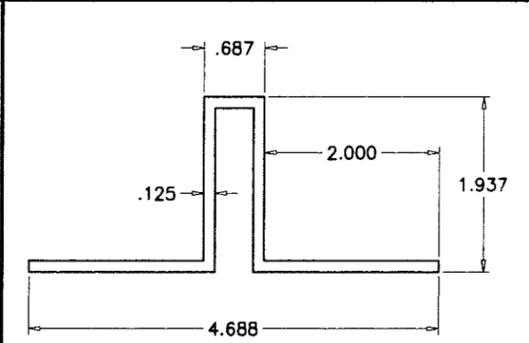
**1-3/4 X 4-1/2 X .090" TUBE MULLION**  
6063-T6



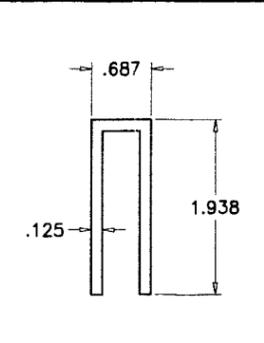
**2 X 4 X 1/8" TUBE MULLION**  
6063-T6



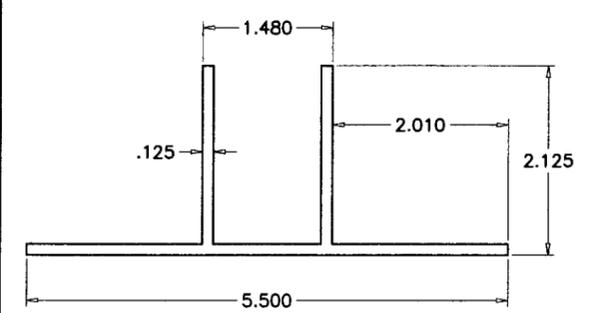
**2 X 6 X 1/8" TUBE MULLION**  
6063-T6



**MULLION CLIP (6063-T5)**  
(ALT. TO ANGLES)  
CLIP LENGTHS MUST BE CUT TO FIT SNUG INTO TUBE MULLIONS.

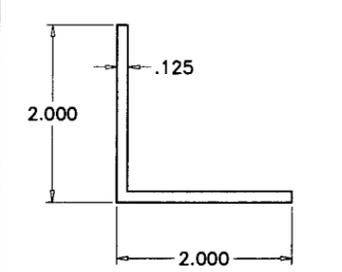


**MULLION CLIP LEGS REMOVED**

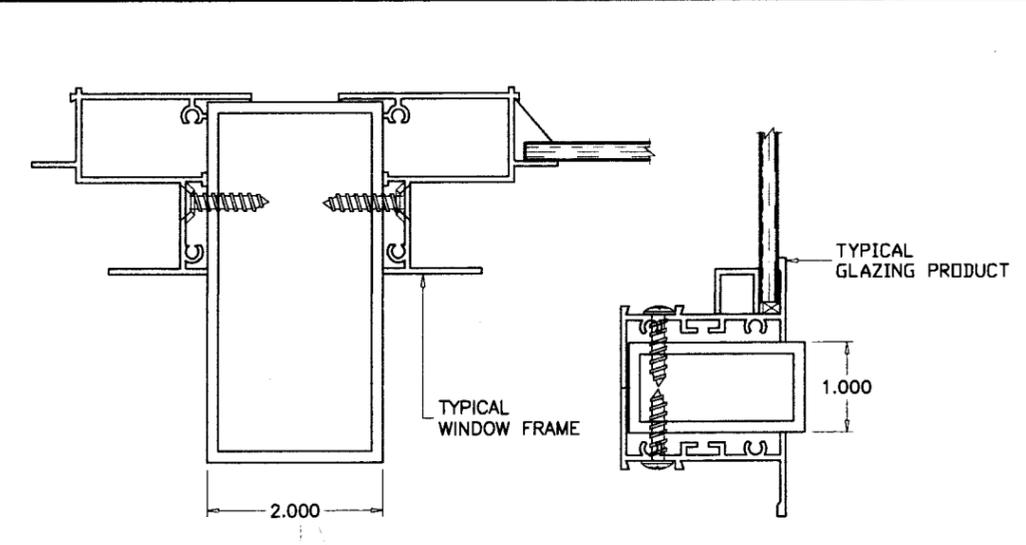


**MULLION CLIP (6063-T5)**  
(ALT. TO ANGLES)  
CLIP LENGTHS MUST BE CUT TO FIT SNUG INTO TUBE MULLIONS.

**MULLION CLIP LEGS REMOVED**



**ANGLE CLIP (6063-T6)**



**MULLIONS CONTAINING TYPICAL GLAZING PRODUCTS**  
**HORIZONTAL OR VERTICAL**

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

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

**RECTANGULAR ALUMINUM TUBE MULLIONS**  
**USING MULLION PROPERTIES ONLY**

**NOTES:**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 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.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

THIS NOA IS NOT VALID WITHOUT CORPORATE SEAL OF CURV-A-TECH CORPORATION AND A LABEL AFFIXED.

PROVIDOR REVIEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-0813-08  
 Expiration Date 3-28-13  
 By: *Ed Harris*  
 Miami Dade Product Control  
 Division

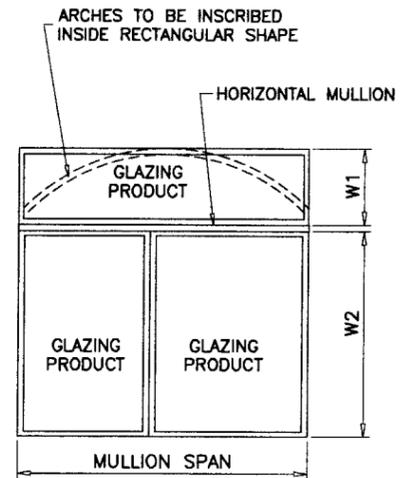
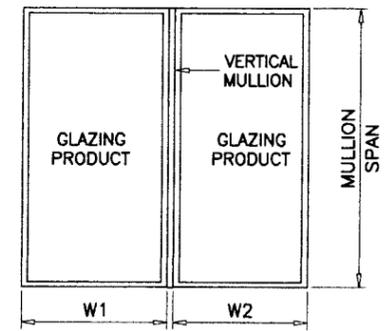
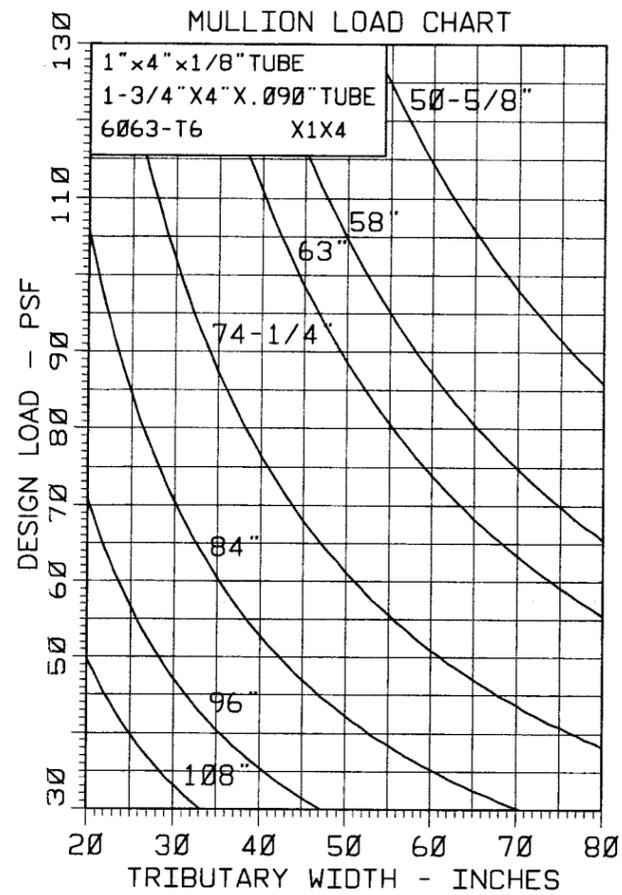
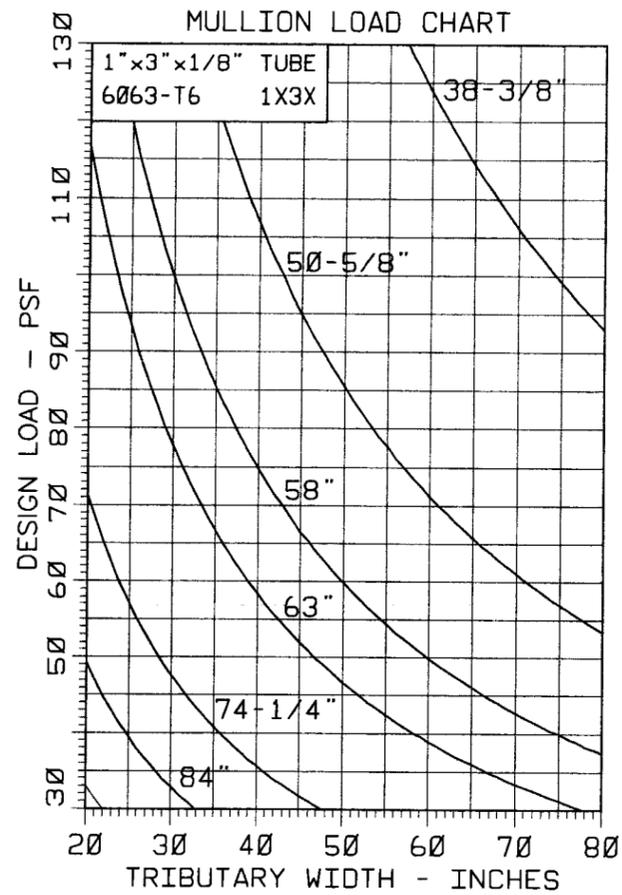
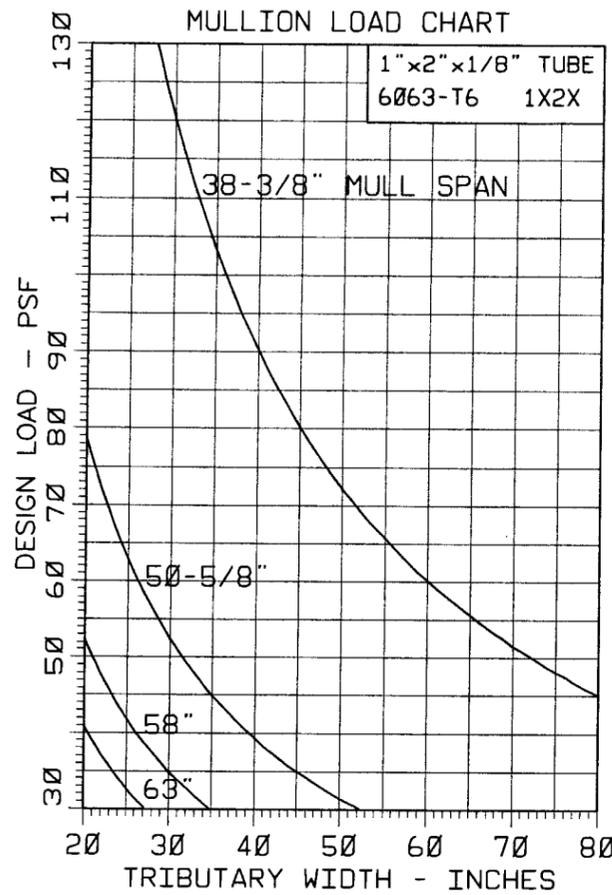
**INSTRUCTIONS:**

USE CHARTS AND GRAPHS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.
- STEP 2** USE DADE COUNTY APPROVED GLAZING PRODUCTS MEETING ABOVE LOAD REQUIREMENTS.
- STEP 3** USE CONNECTION TO MULLION AS PER PRODUCT APPROVAL.
- STEP 4** USING GRAPHS ON SHEET 2 SELECT MULLION SIZE WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** USING ANCHOR TYPES ON SHEET 4, AND ANCHOR GRAPHS ON SHEET 3, SELECT ANCHOR TYPE WITH DESIGN RATING MORE THAN THE DESIGN LOADS SPECIFIED IN STEP 1 ABOVE.

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

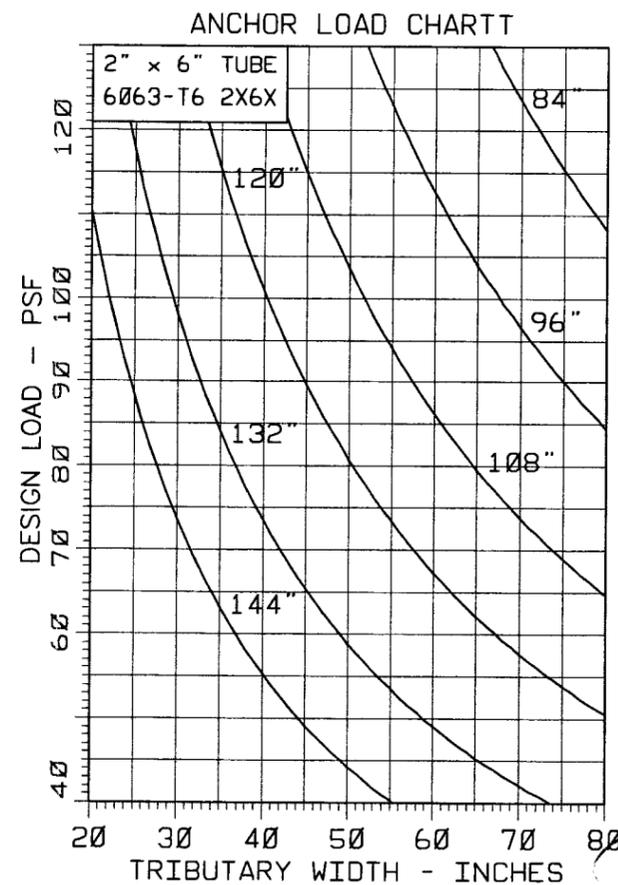
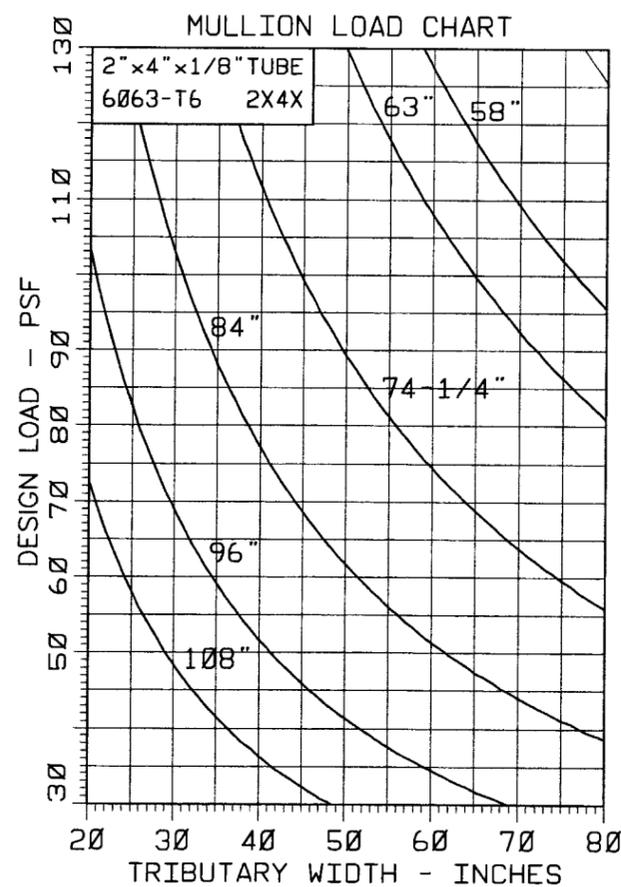
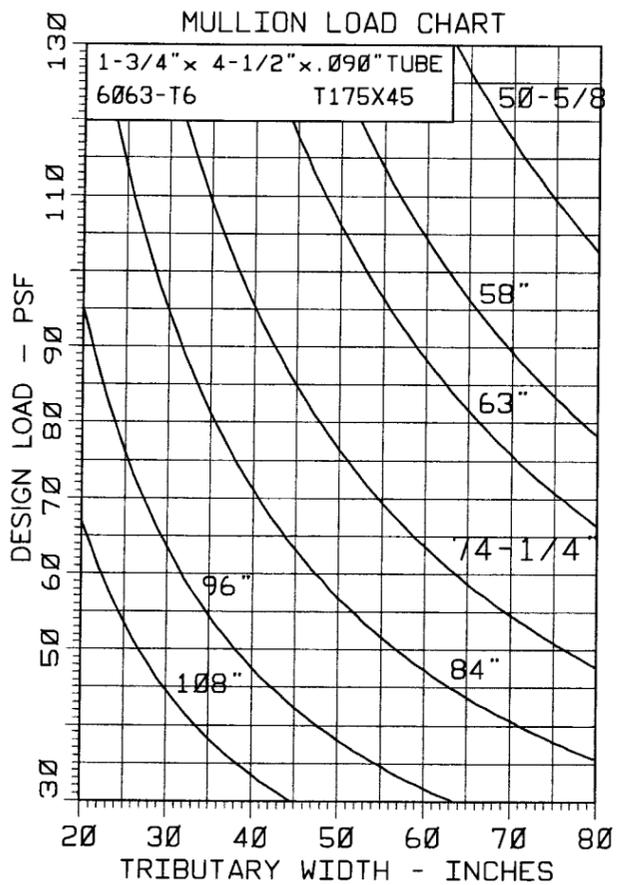
*[Signature]*  
 AUG 06 2008



TYPICAL MULLION ARRANGEMENTS

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

NOTE:  
MULLIONS RATED IN THESE CHARTS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY.  
(INTERPOLATION BETWEEN WIDTHS ALLOWED)



MULLIONS

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

AUG 06 2008

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 08-0813-08  
Expiration Date 3-28-13

By *Dick Harris*  
Miami Code 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 M95-19A-CC

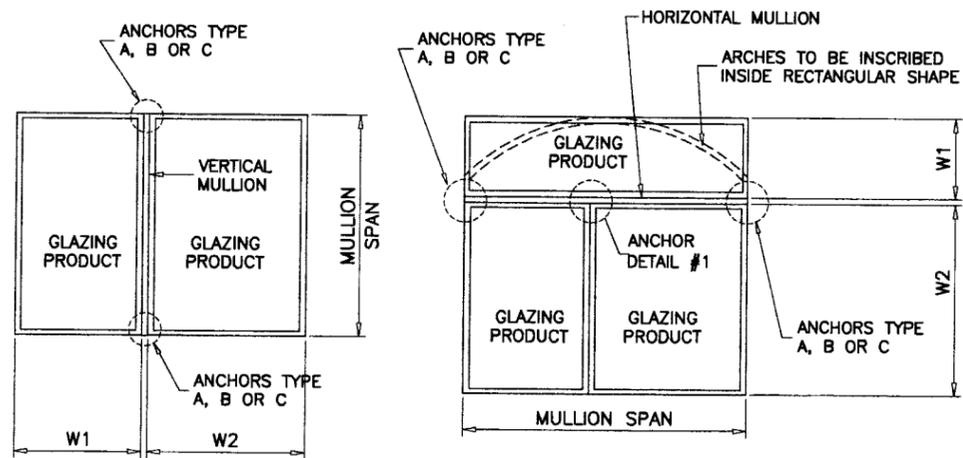
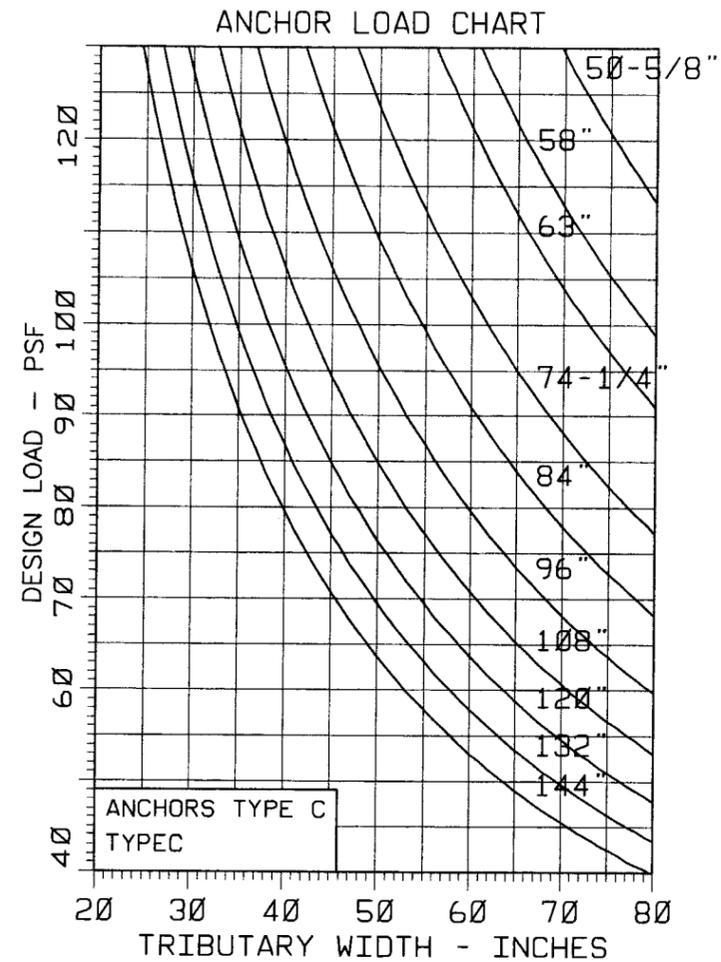
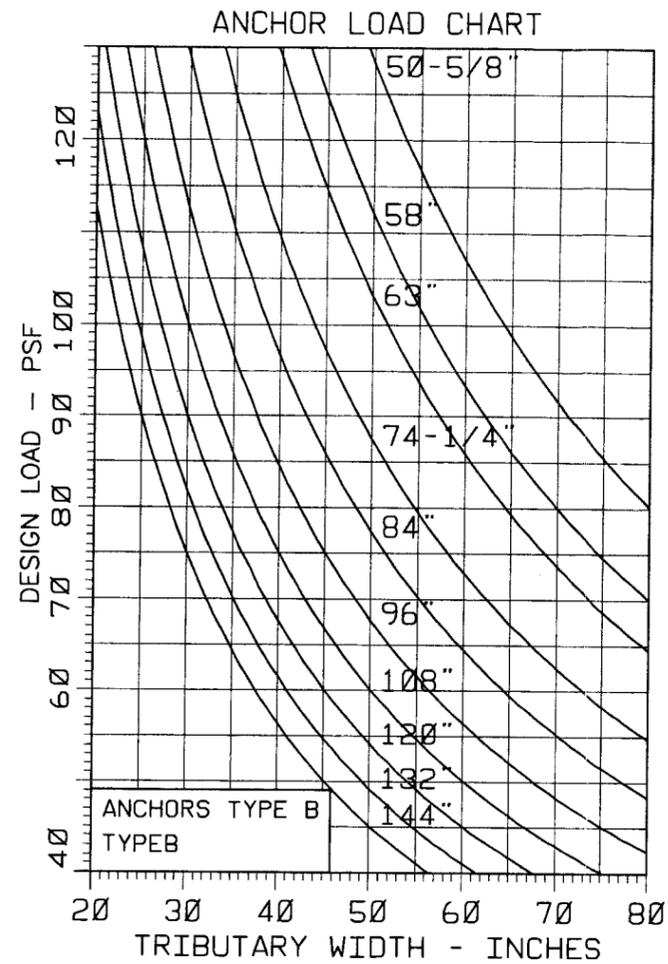
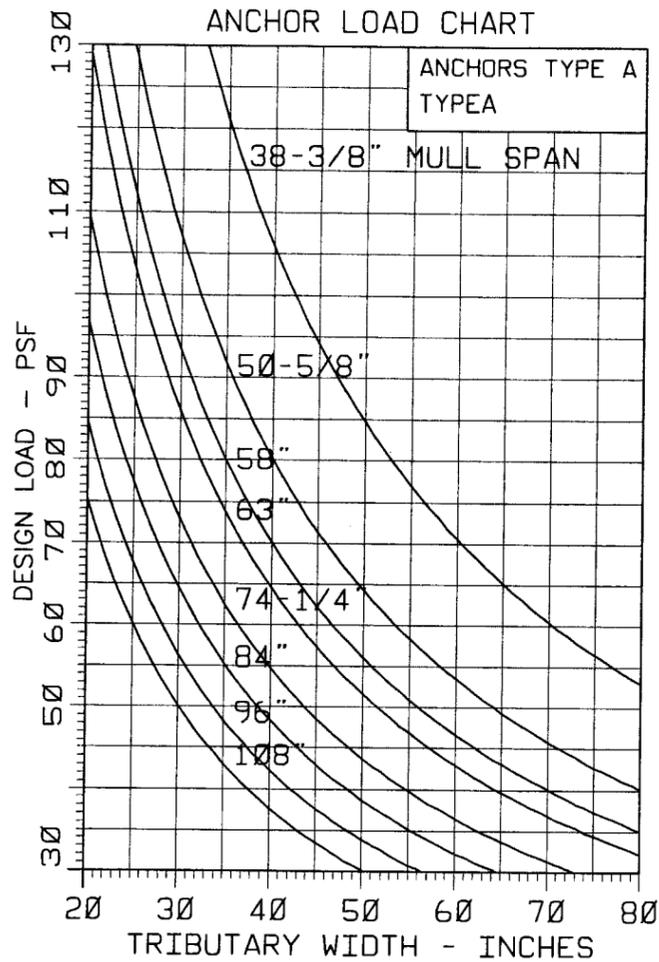
ALUMINUM TUBE MULLIONS  
**CURV-A-TECH CORPORATION**  
930 W. 23rd STREET  
HIALEAH, FL 33010  
TEL. (305) 888-9631 FAX. (305) 888-9969

no	date	description
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C	07.24.08	UPDATED FOR 2007 FBC

date: 12-07-05  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**M95-19A**

sheet 2 of 5



TYPICAL MULLION ARRANGEMENTS

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

**NOTE:**  
 ANY ANCHOR CONDITION SHOWN HEREIN MAY COVER LOCATIONS AT HEAD, SILL OR JAMB ENDS.  
 FOR ANCHORS DESCRIPTION SEE SHEET 4.  
 (INTERPOLATION BETWEEN WIDTHS OR SPANS ALLOWED)

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

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-083-08  
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By *John Harris*  
 Miami Dade Product Control  
 Division

ANCHORS

AUG 06 2008

**af c**  
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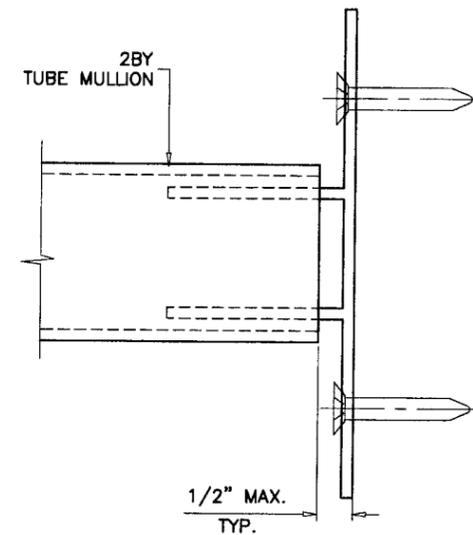
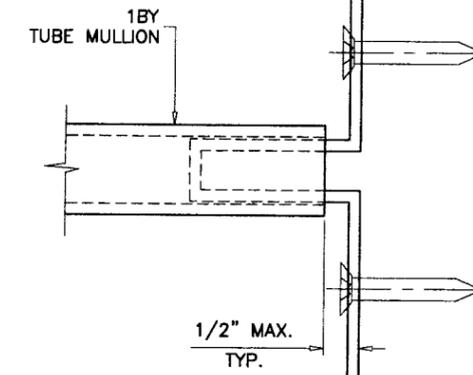
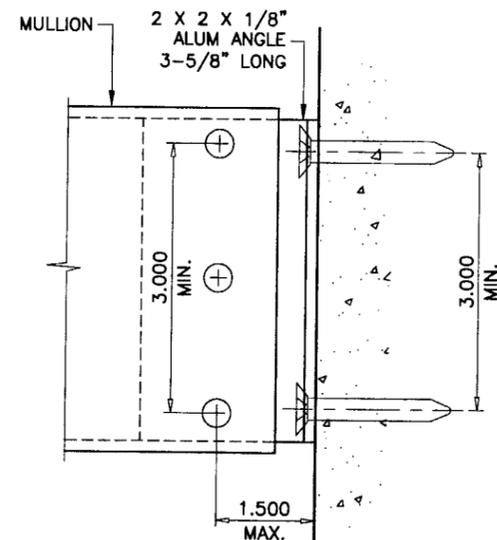
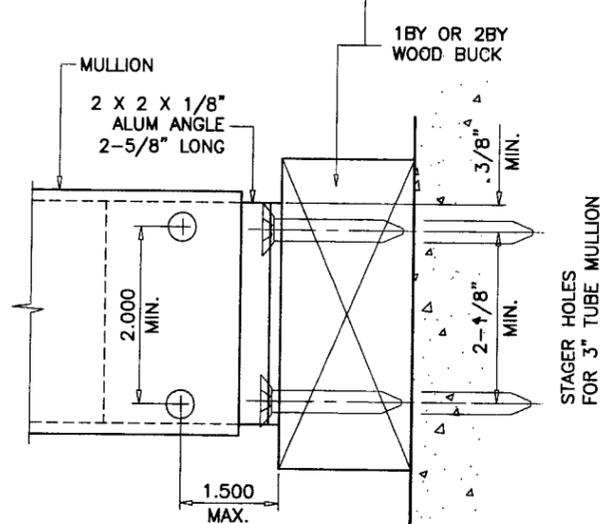
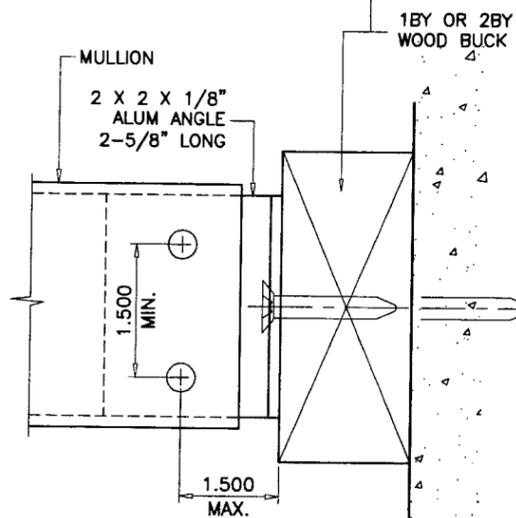
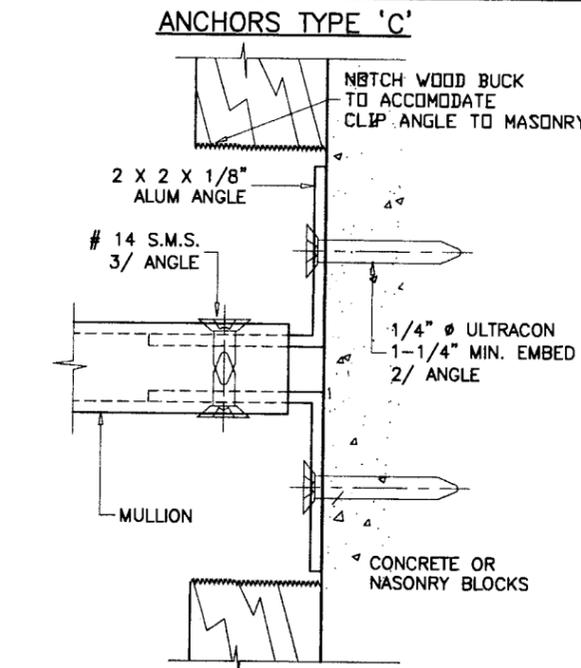
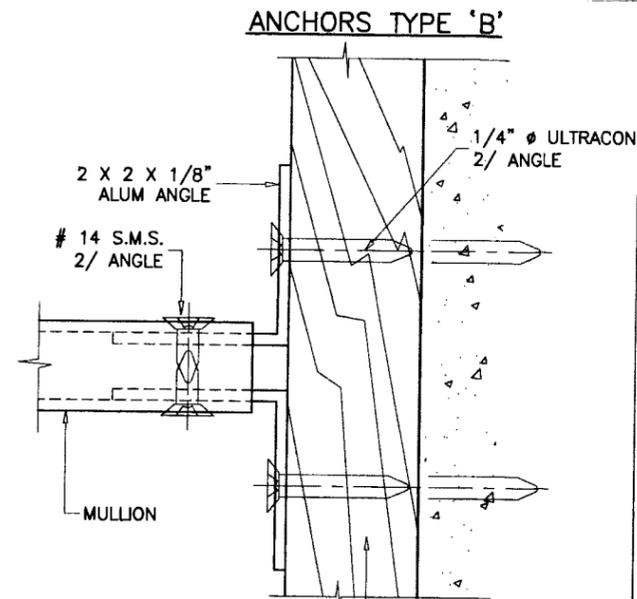
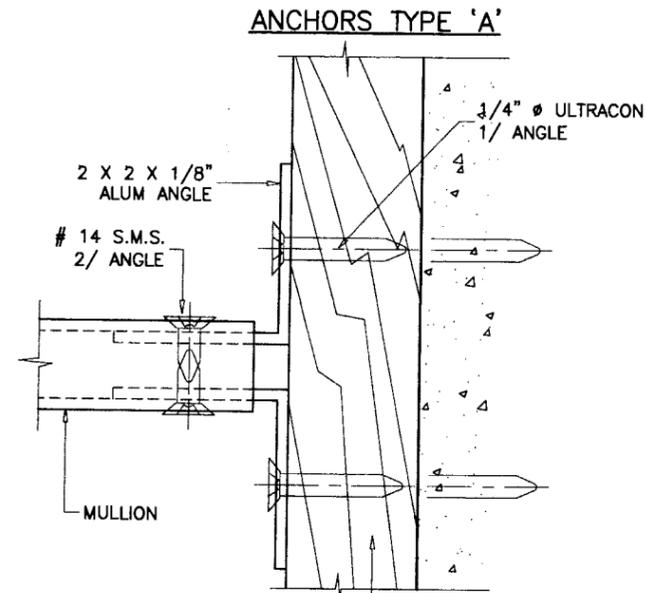
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no	date	by description
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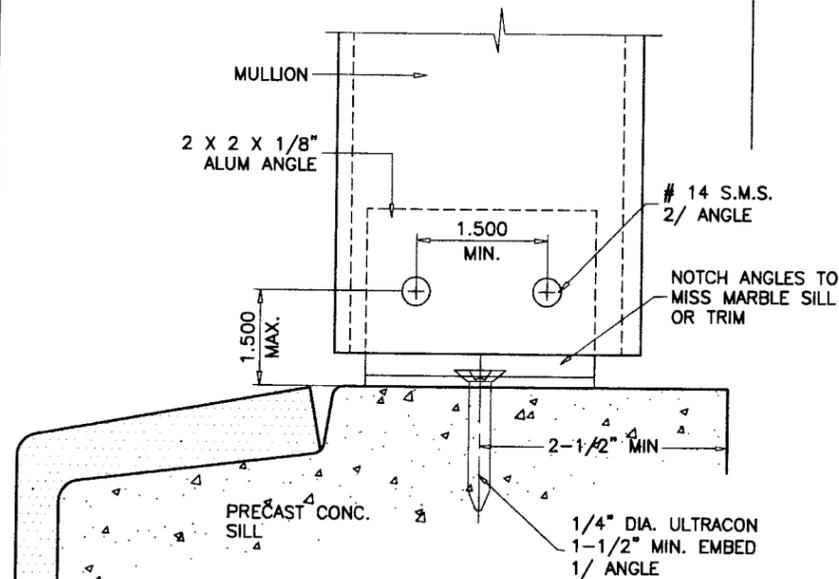
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 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**M95-19A**

sheet 3 of 5



**FLOATING MULLION CLIPS**  
ALTERNATE TO ANGLES ALL CASES  
CLIPS TO FIT SNUG INTO TUBE MULLIONS



**ULTRACONS**

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-3/8" MIN. PENETRATION INTO WOOD  
THRU 1BY BUCKS INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY  
DIRECTLY INTO MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

**ANCHOR EDGE DISTANCES:**

INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
INTO WOOD STRUCTURE = 1" MIN.  
INTO METAL STRUCTURE = 5/8" MIN.

WOOD BUCKS NOT BY CURVATECH  
MUST SUSTAIN LOADS IMPOSED.

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

AUG 06 2008

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Miami Dade Product Control  
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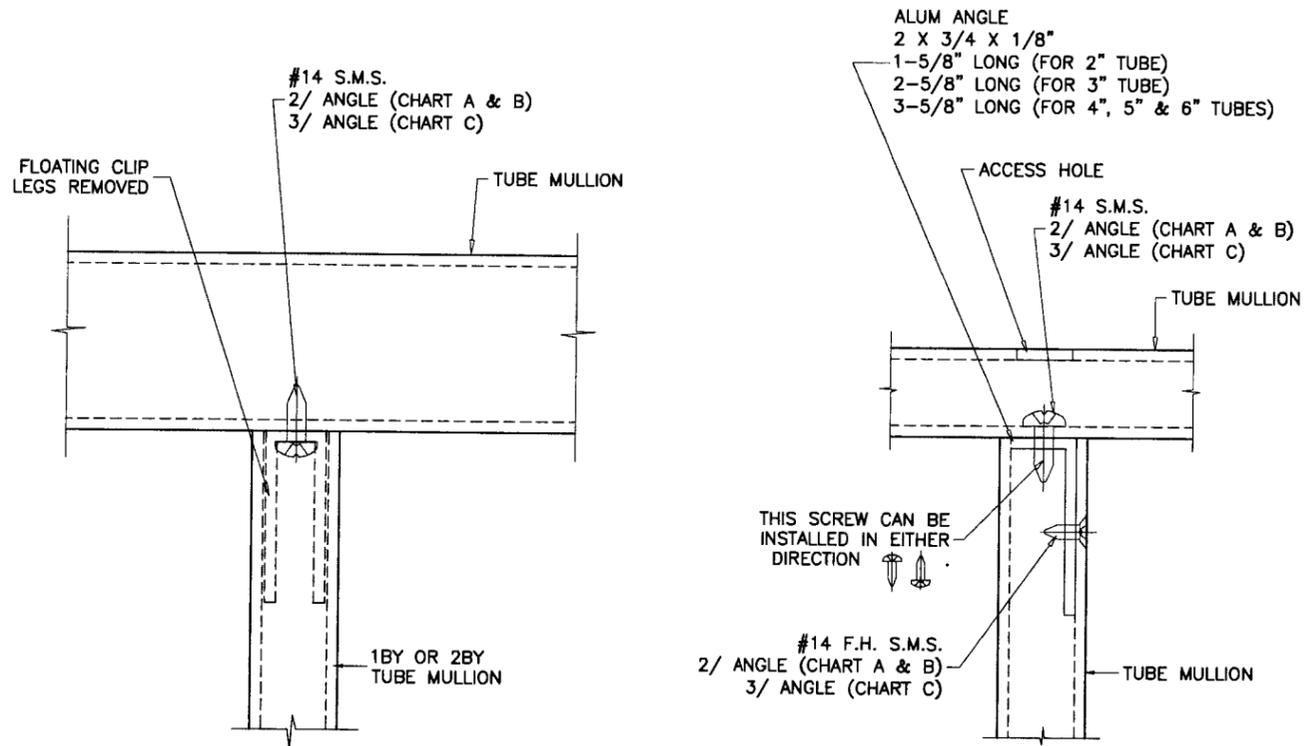
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**AL-FAROOQ CORPORATION**  
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MULLION\M95-19A-CC

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930 W. 23rd STREET  
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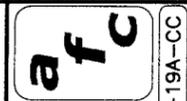
drawing no.  
**M95-19A**  
sheet 4 of 5



**ANCHORS DETAIL #1**  
METAL TO METAL CONNECTION

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 08-0013-08  
Expiration Date 3-28-13  
By Steve Harris  
Miami Dade Product Control  
Division

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3536  
  
AUG 06 2008



**AL-FAROOQ CORPORATION**  
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revisions:	
no	description
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sheet 5 of 5

MULLION\M95-19A-CC