



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)

www.buldingcodeonline.com

Curv-A-Tech Corporation
930 West 23rd 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

APPROVAL DOCUMENT: Drawing No. **M95-19A**, titled "Aluminum Tube Mullions", sheets 1 through 4 of 4, prepared by Al-Farooq Corporation, dated 12/07/95 with revision B dated 02/19/07, 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: None

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 # **02-0313.08** 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.**



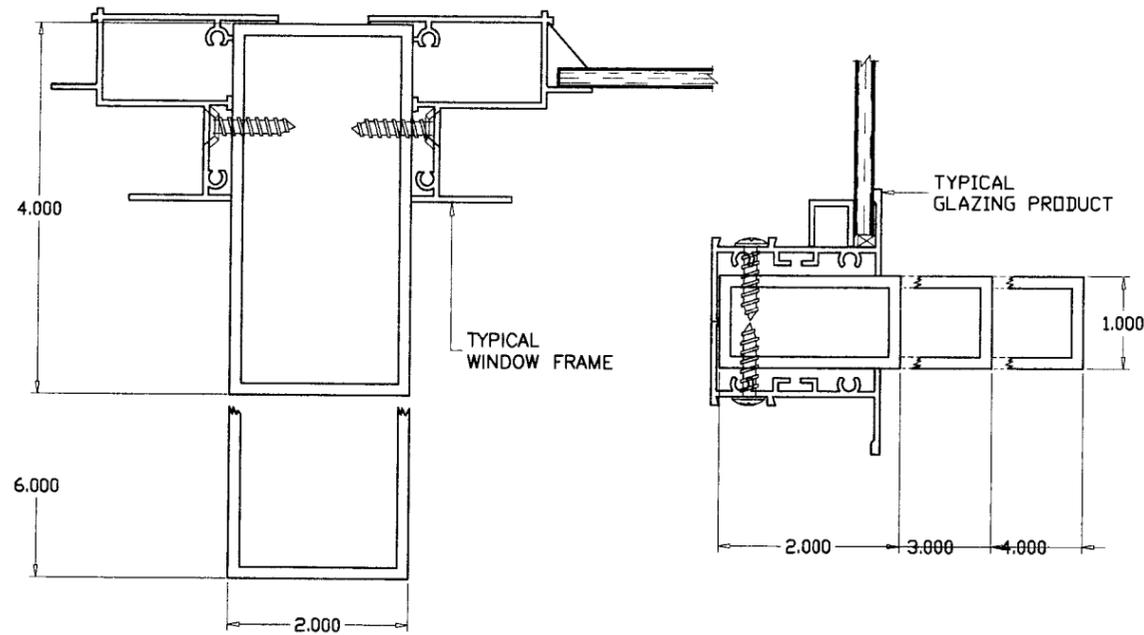
NOA No. 07-0424.13
Expiration Date: March 28, 2008
Approval Date: July 5, 2007
Page 1

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 4 of 4, prepared by Al-Farooq Corporation, dated 12/07/95 with revision B dated 02/19/07, signed and sealed by Humayoun Farooq, P.E.
- B. TESTS**
1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per PA 202-94 along with installation diagram of window prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-96-1054**, dated February 1, 1996 signed and sealed by Hector Medina, P.E.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 02/23/07, 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 February 22, 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 June 9, 2007, signed by Ernesto F. Sarabia, President.
 3. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Fenestration Testing Laboratory, Inc. dated 06/07/07, signed by Leigh Sanchez.
- G. OTHER**
1. Notice of Acceptance No. **02-0313.08**, issued to Cur-A-Tech Corporation for their Aluminum Tube Mullion, approved on 08/22/02 and expiring on 03/28/07.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 07-0424.13
Expiration Date: March 28, 2008
Approval Date: July 5, 2007



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

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING
ALL MULLIONS 6063-T6 MIN.

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.

**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 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 FLORIDA BLDG. CODE SECTION 2003.8.4.

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0474.13
Expiration Date March 28, 2008
By Manuel Perez
Miami Dade Product Control
Division

FEB 22 2007

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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

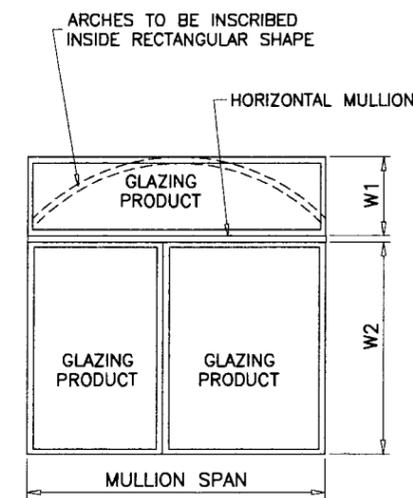
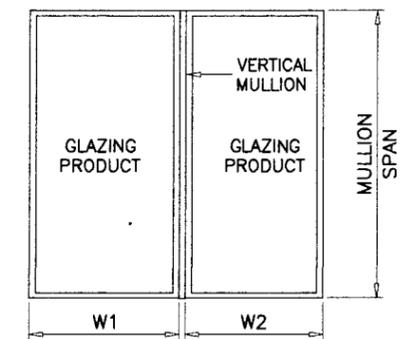
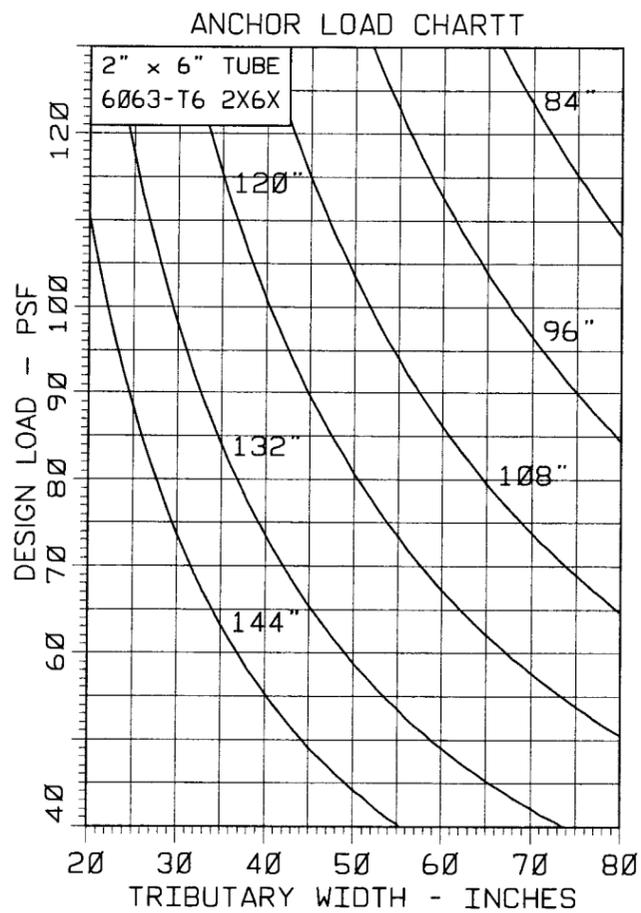
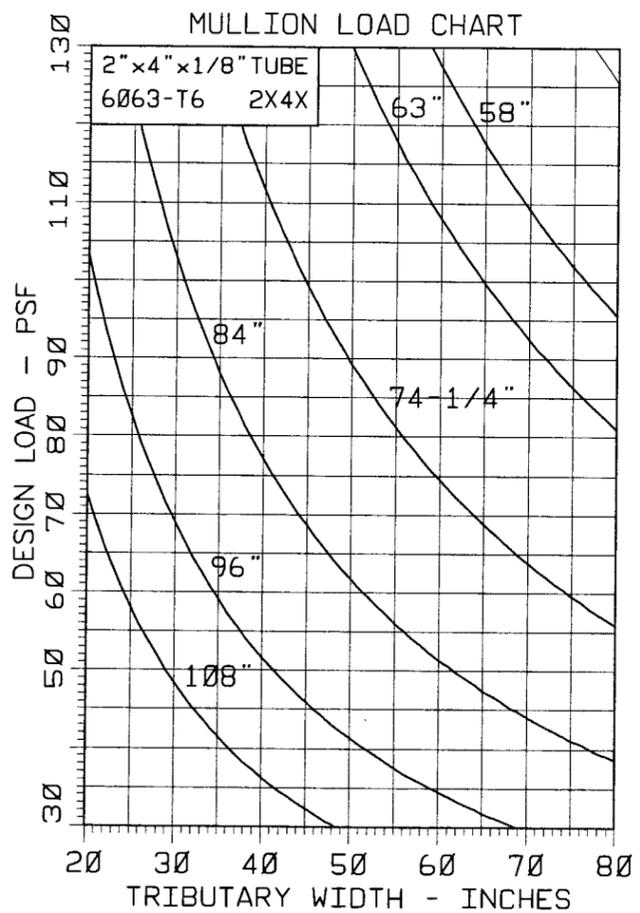
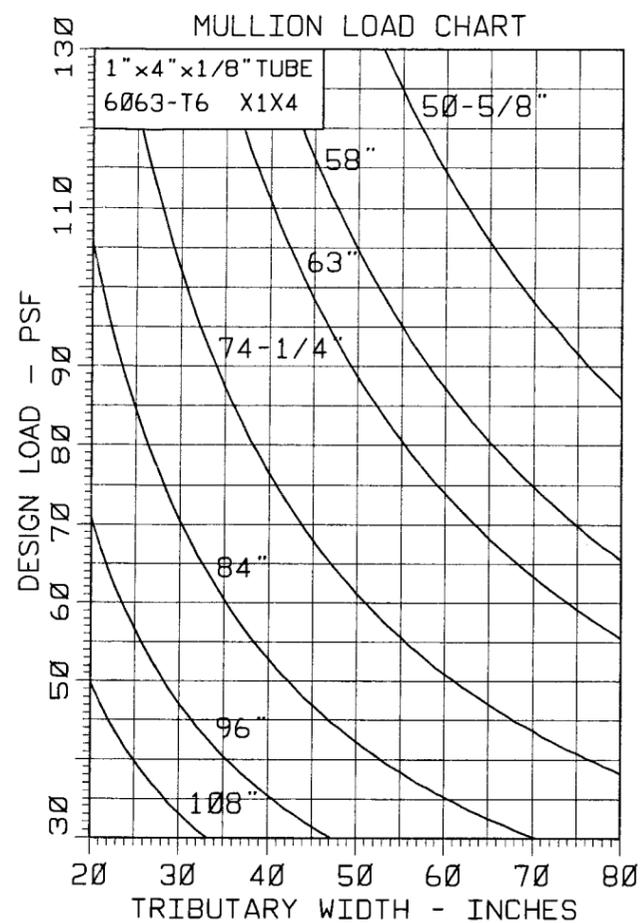
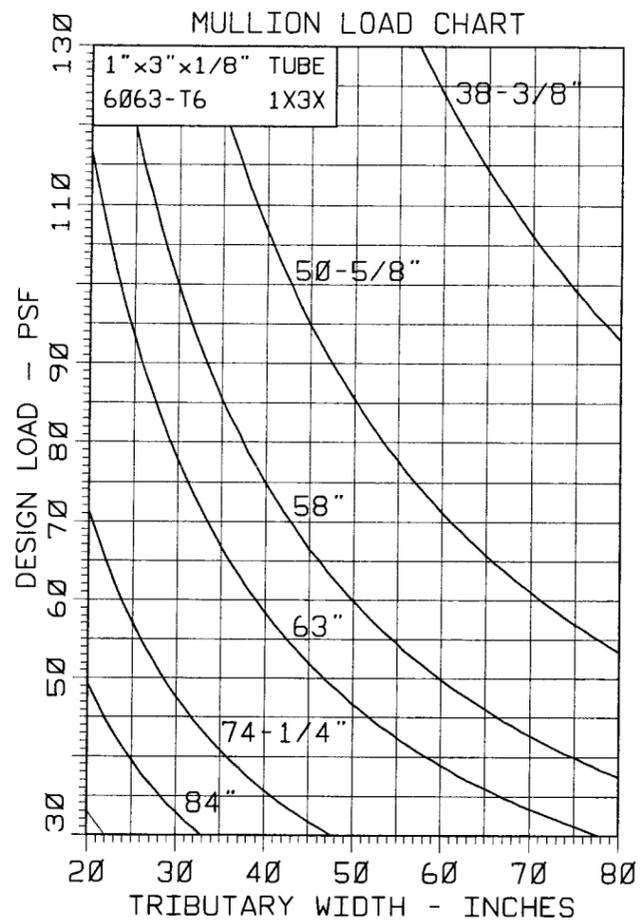
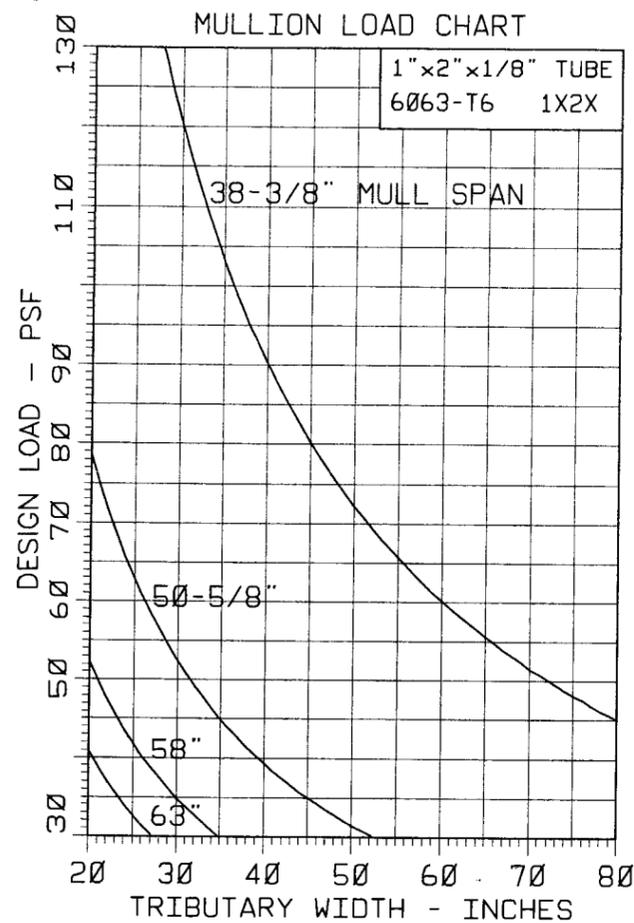
ALUMINUM TUBE MULLIONS
CURV-A-TECH CORPORATION
930 W. 23rd STREET
HIALEAH, FL 33010
TEL. (305) 888-9631 FAX. (305) 888-9969

no	date	by	description
A	02.01.02		ANCHOR TYPE A AND B REV.
B	02.19.07		UPDATED FOR 2004 FBC

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

drawing no.
M95-19A

sheet 1 of 4



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)

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0424.13
Expiration Date MARCH 28, 2008
By: *Mauro Peres*
Miami Made Product Control
Division

MULLIONS

FEB 22 2007

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AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION M95-19A-CC

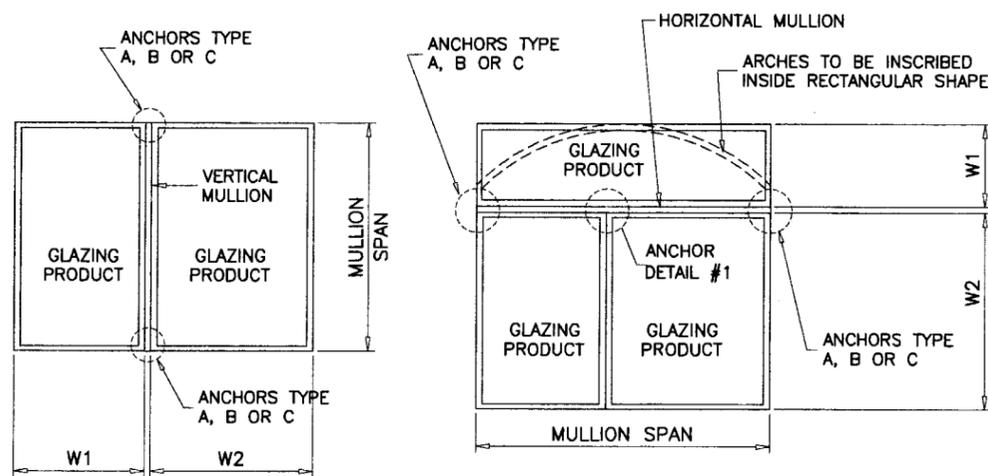
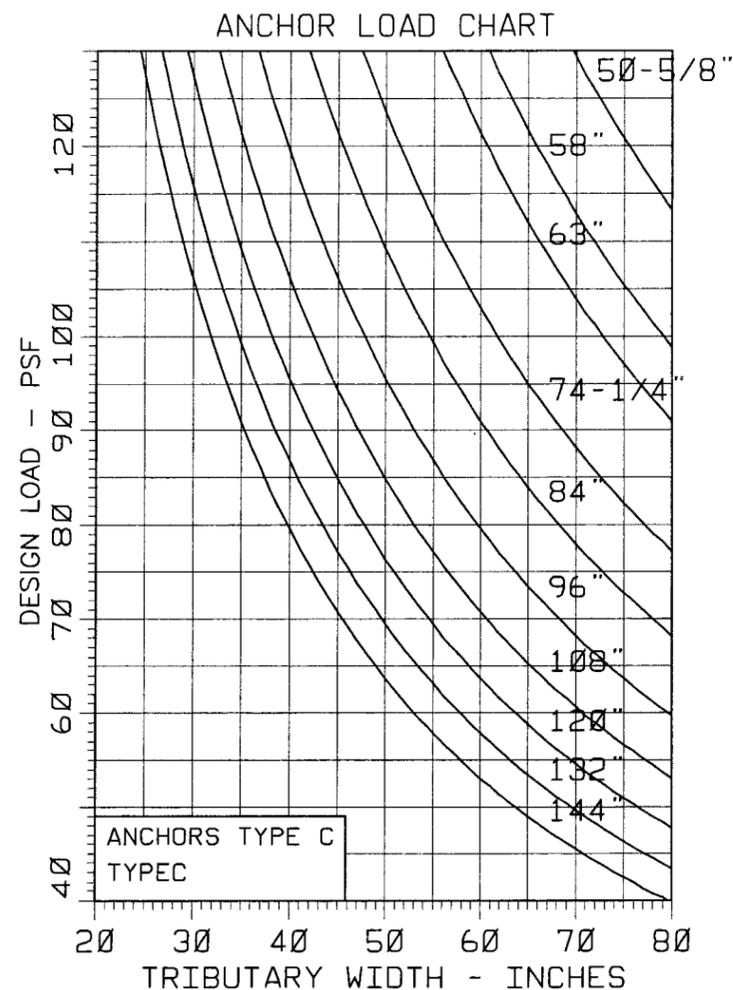
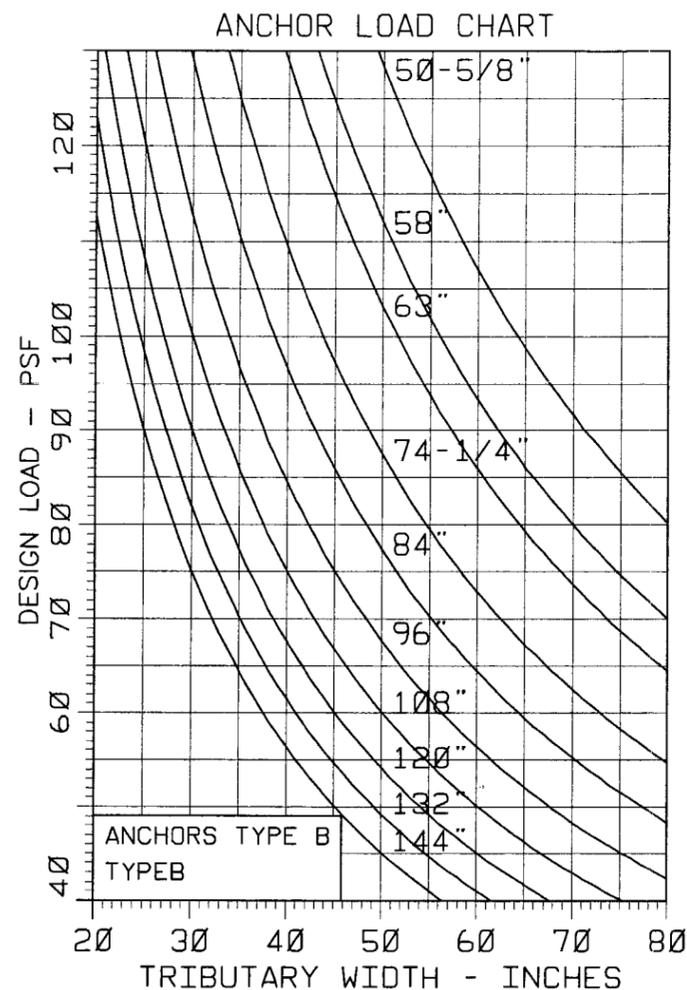
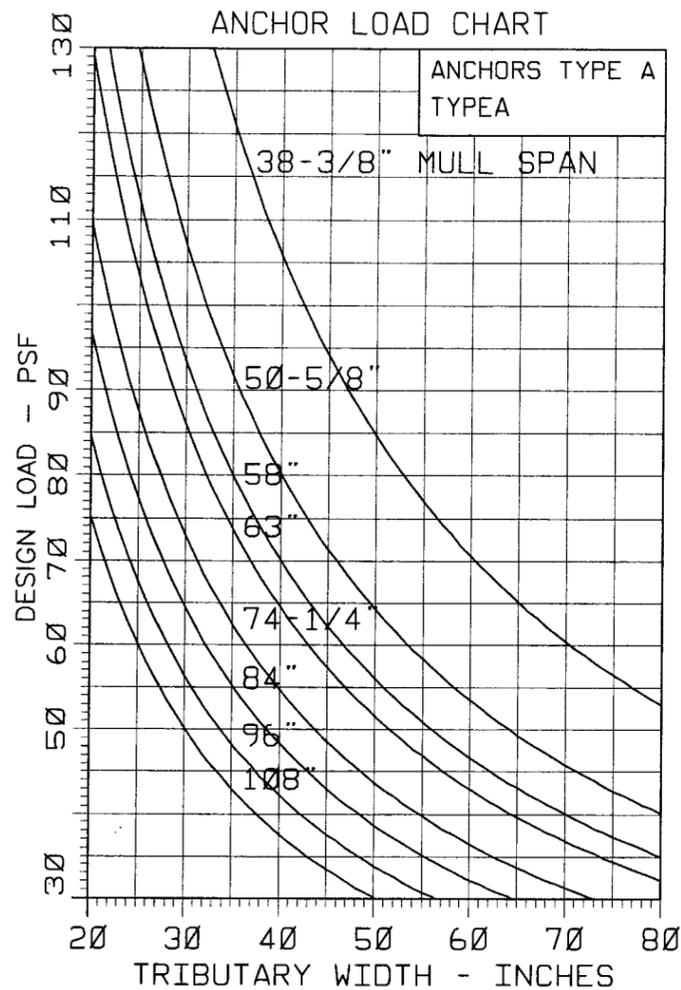
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TEL. (305) 888-9631 FAX. (305) 888-9969

no	date	by	description
B	02.19.07		UPDATED FOR 2004 FBC

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

drawing no.
M95-19A

sheet 2 of 4



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)

ANCHORS

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

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0424.13
 Expiration Date MARCH 28, 2008
 By: *Mansour Pera*
 Miami Code Product Control
 Division

FEB 22 2007

af c
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 dr. by: HAMID
 chk. by:

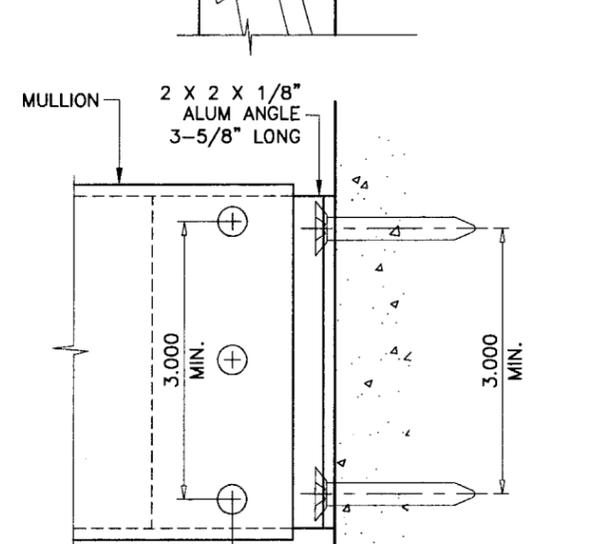
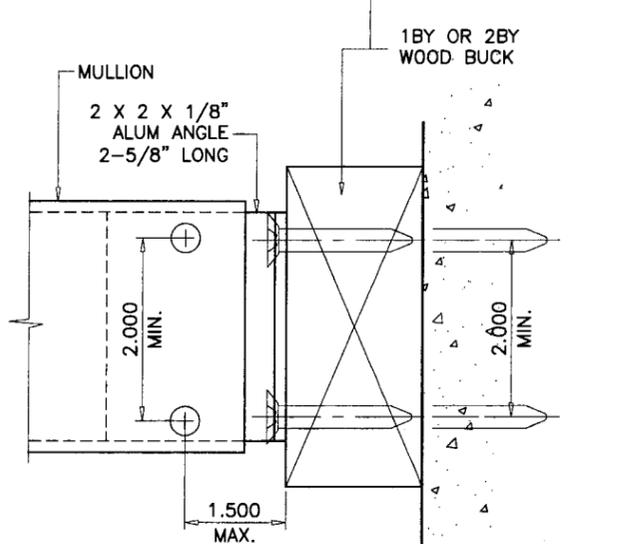
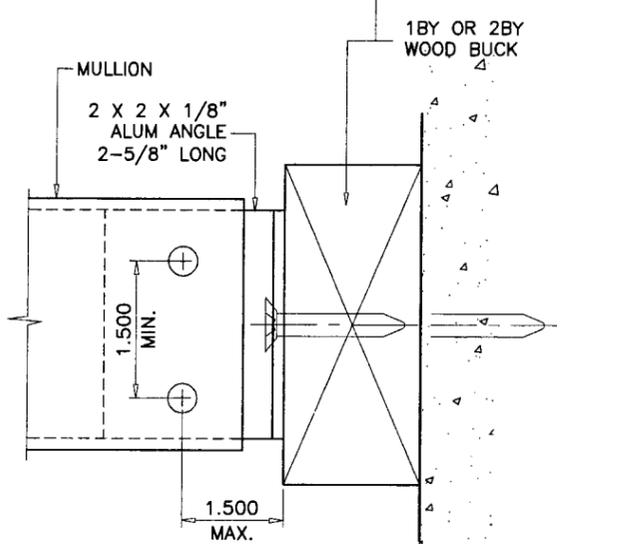
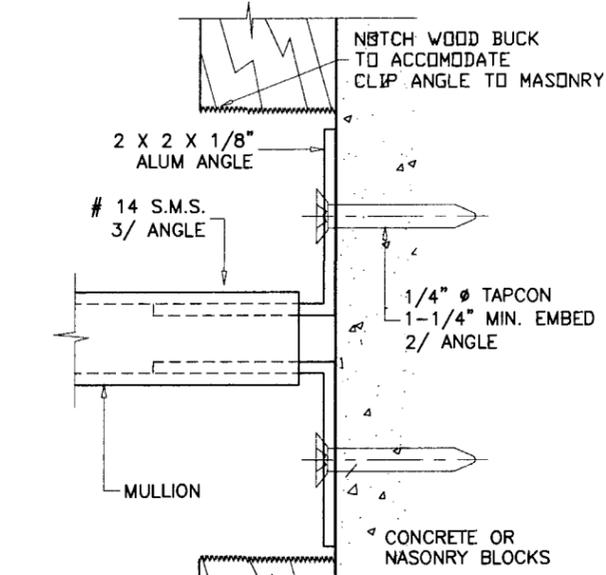
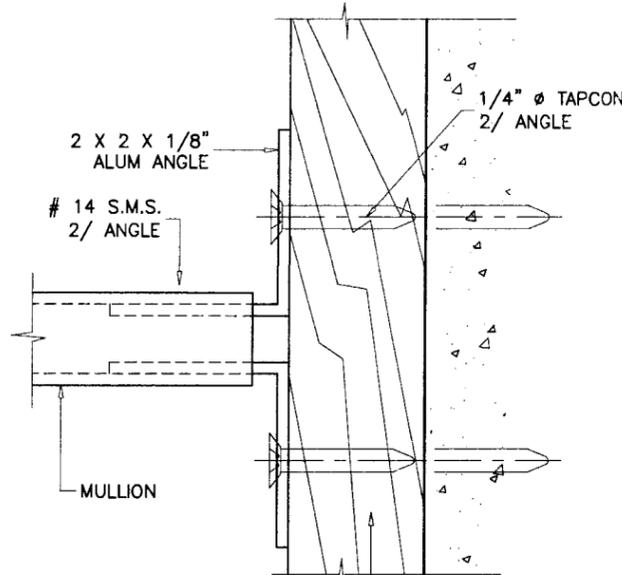
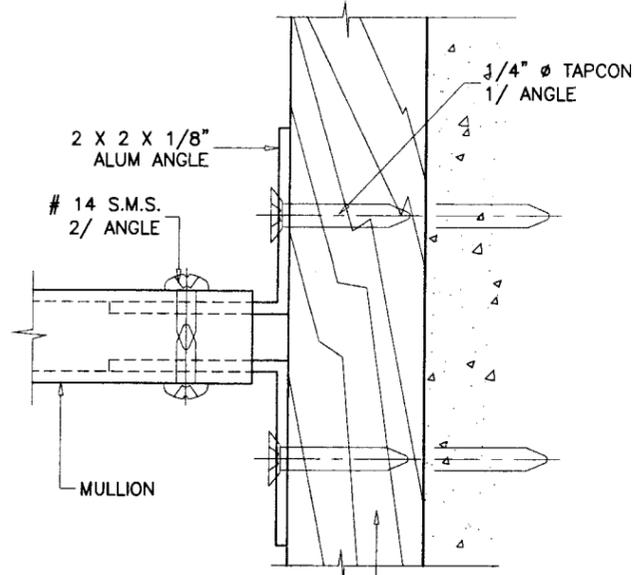
drawing no.
M95-19A

sheet 3 of 4

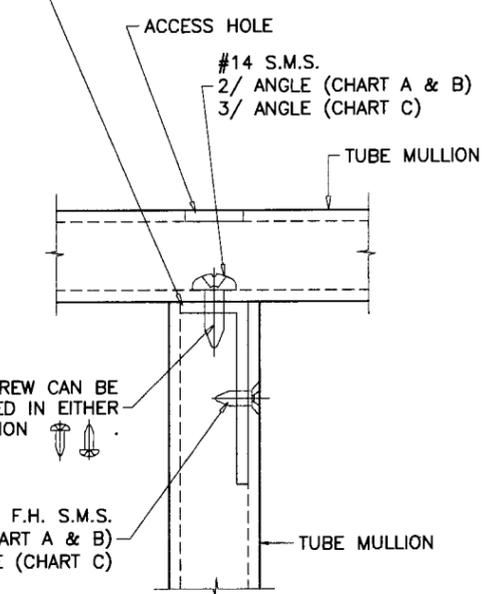
ANCHORS TYPE 'A'

ANCHORS TYPE 'B'

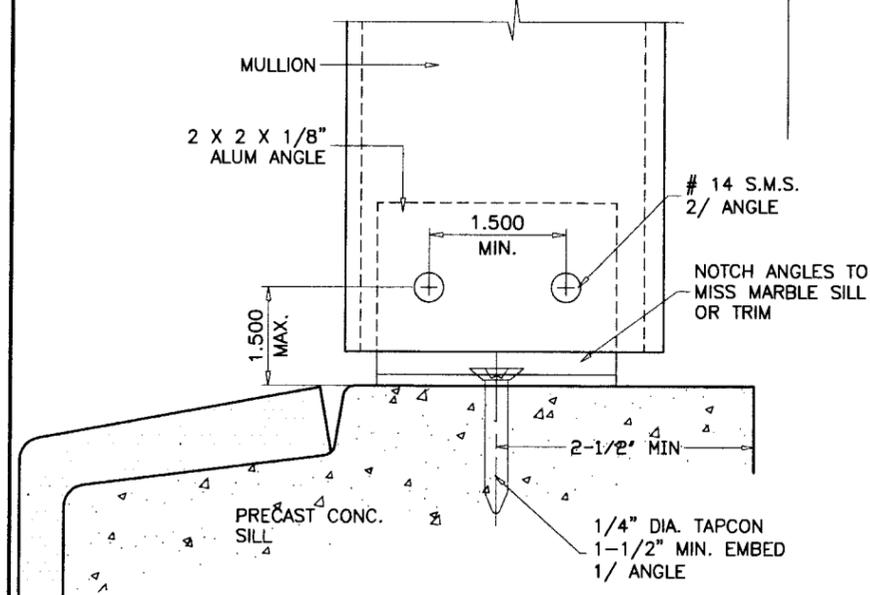
ANCHORS TYPE 'C'



ALUM ANGLE
2 X 3/4 X 1/8"
1-5/8" LONG (FOR 2" TUBE)
2-5/8" LONG (FOR 3" TUBE)
3-5/8" LONG (FOR 4", 5" & 6" TUBES)



ANCHOR DETAIL #1



TAPCONS
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

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

[Signature]
FEB 22 2007

PRODUCT REVISED
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Acceptance No. *07-0424-13*
Expiration Date *MARCH 28, 2008*

[Signature]
Miami Dade Product Control
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