



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.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**Construction Glass Industries Corporation**  
10100 N.W. 25<sup>th</sup> Street  
Miami, FL 33172

**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 with #373 Framing Member – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **M95-13**, titled "Mullion Elevations and Details", sheets 1 through 5 of 5, dated 11/25/1995 with revision C dated 05/14/2007, prepared by Al-Farooq Corporation, dated 05/16/2007, 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 # **02-0123.07** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



*J. Gascon*  
5/23/07

NOA No. 07-0312.03  
Expiration Date: April 26, 2008  
Approval Date: June 14, 2007  
Page 1

**Construction Glass Industries Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **M95-13**, titled "Mullion Elevations and Details", Sheets 1 through 5 of 5, dated 11/25/1995 with revision C dated 05/14/2007, prepared by Al-Farooq Corporation, dated 05/16/2007, signed and sealed by Humayoun Farooq, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC PA-202-94 along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-96-525**, dated February 12, 1995 signed and sealed by Hector Medina, P.E.  
*(Submitted under NOA#02-0123.07)*
2. Test reports on 1) Large Missile Impact Test, Loading per FBC PA 201-94 along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-96-525**, dated 10/30/95, signed and sealed by Timothy S. Marshall, P.E.  
*(Submitted under NOA#02-0123.07)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, prepared by Al-Farooq Corporation, dated 05/14/2007, 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 05/14/2007, 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 March 6, 2007, signed by Jorge Santaella.
3. Letter from laboratory confirming manufacturer has contracted and scheduled verification tests, issued by Hurricane Test Laboratory, dated 03/06/2007, signed by Monica Reum.

**G. OTHER**

1. None

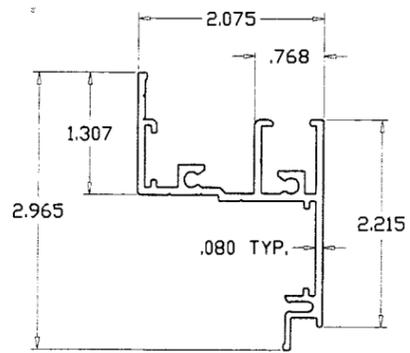


Jaime D. Gascon, P.E.

Chief, Product Control Division  
NOA No. 07-0312.03

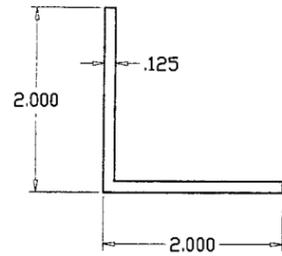
Expiration Date: April 26, 2008

Approval Date: June 14, 2007



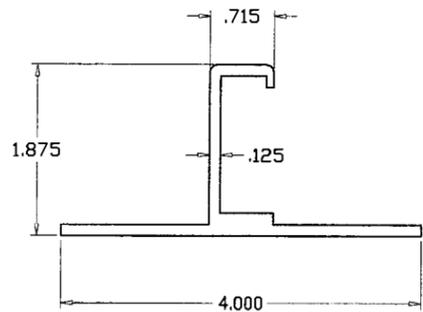
**FRAME**

CGI-373  
6063-T6



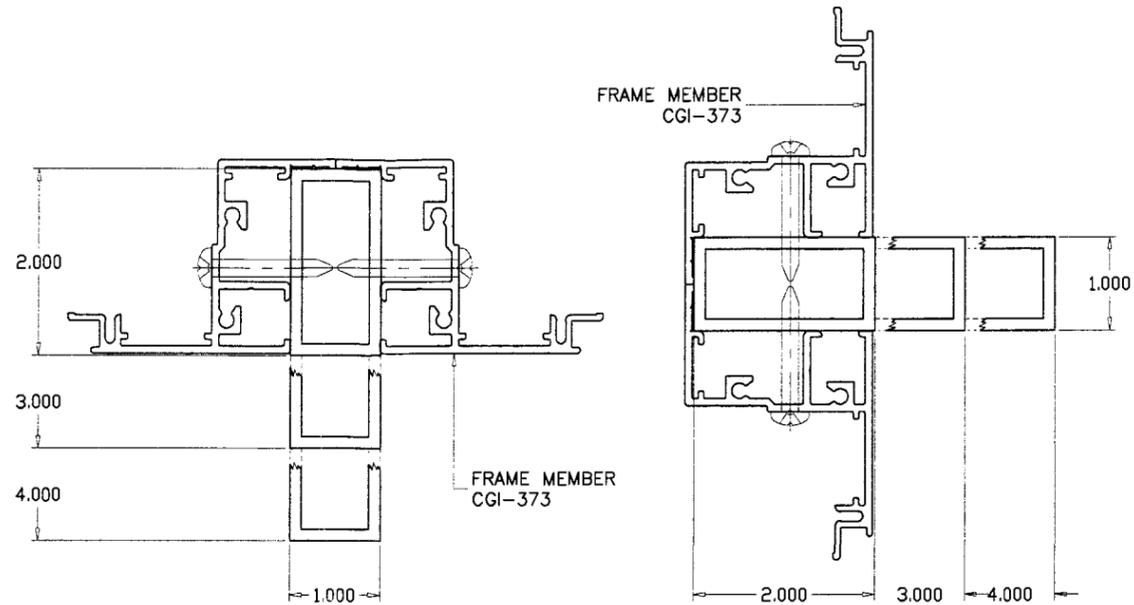
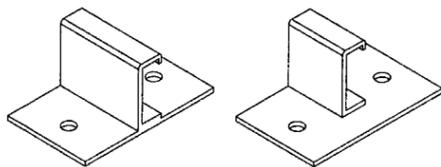
**CLIP ANGLE**

6063-T5



**MULLION CLIP (ALT. TO CLIP ANGLE)**

CGI-383  
6063-T6



**MULLIONS CONTAINING WINDOW FRAME MEMBERS AT EACH SIDE  
HORIZONTAL OR VERTICAL**

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

**ALUMINUM TUBE MULLION  
WINDOW FRAME MEMBER INCLUDED IN PROPERTIES**

USE WITH:  
FRAMING MEMBER #373

**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.

**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 SHEETS 4 & 5, AND ANCHOR GRAPHS ON SHEET 3, SELECT ANCHOR TYPE WITH DESIGN RATING MORE THAN THE DESIGN LOADS SPECIFIED IN STEP 1 ABOVE.

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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 07-0312.03  
Expiration Date 04/26/2008  
By *[Signature]*  
Miami-Dade Product Control  
Division  
MAY 16 2007

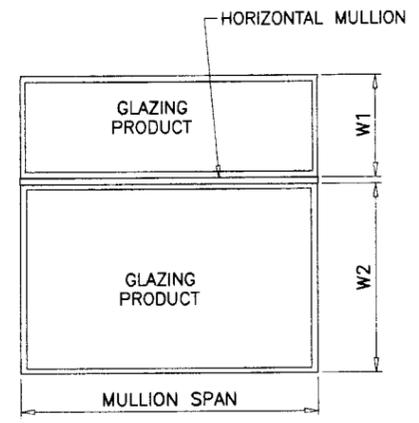
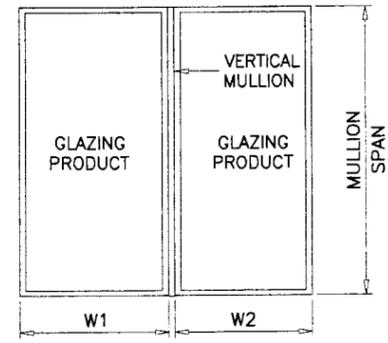
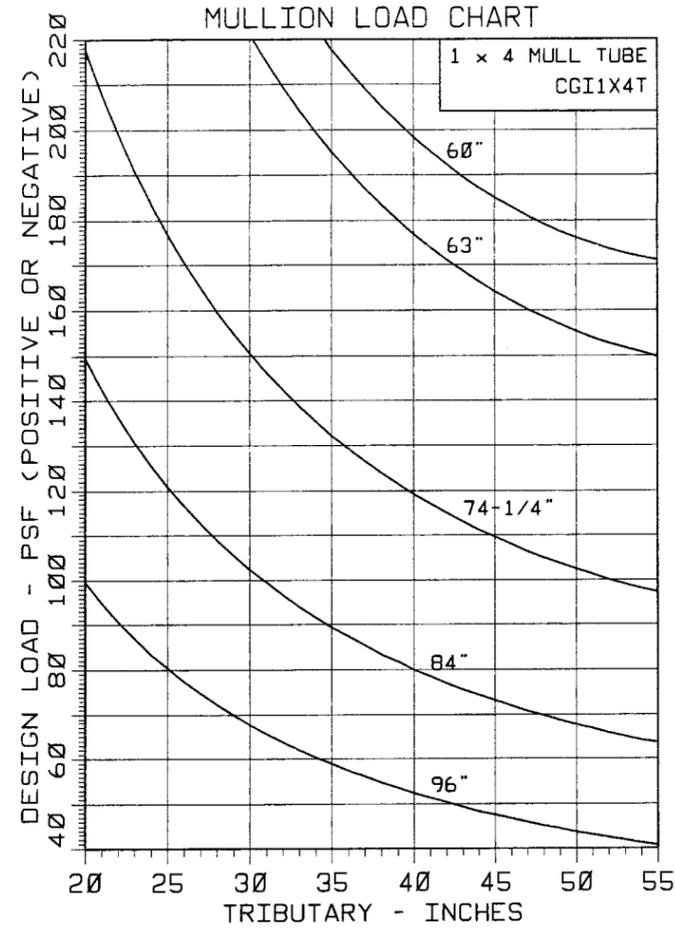
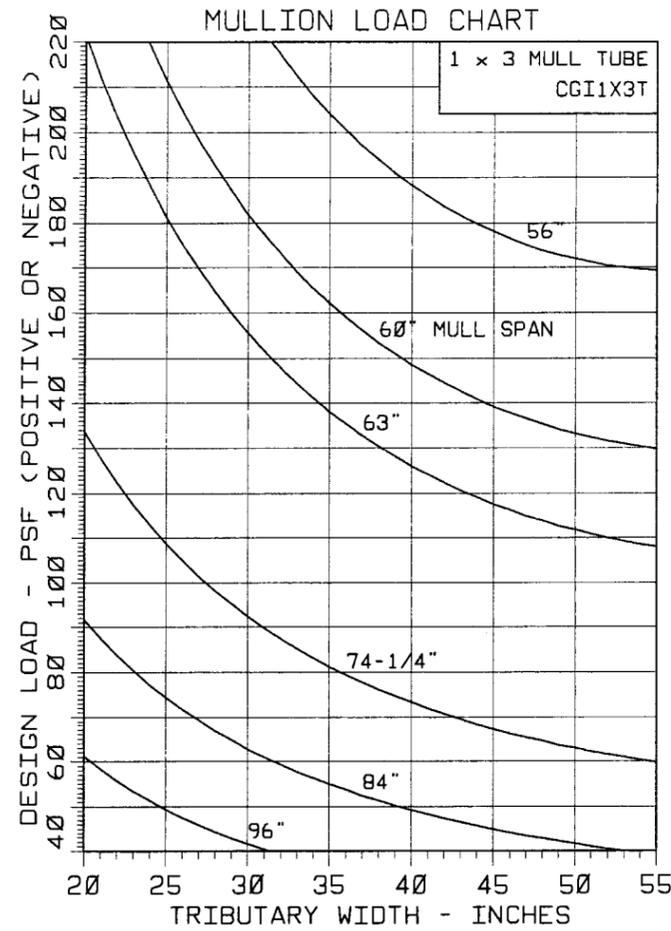
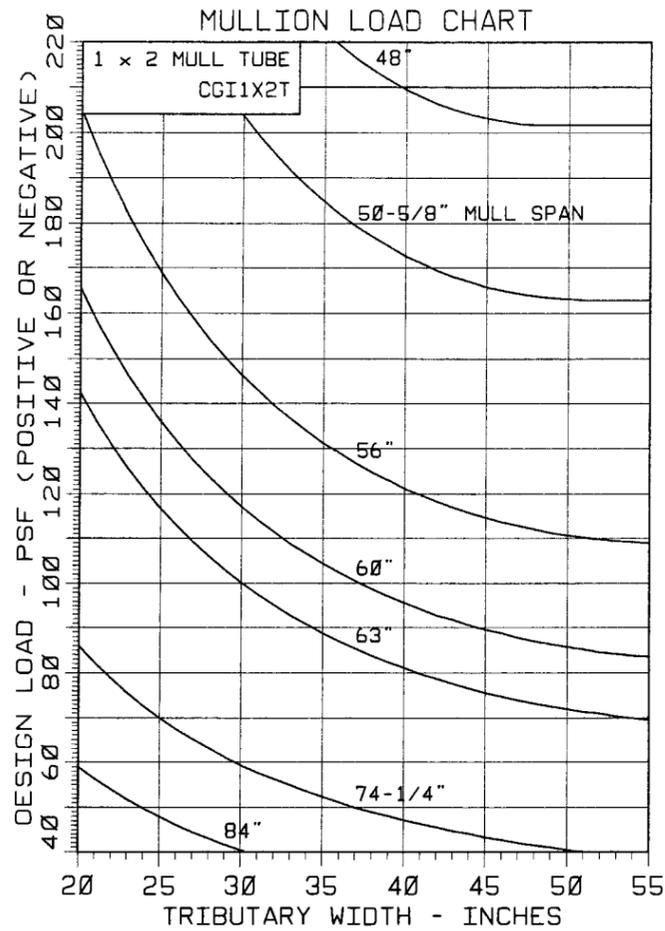
**afc**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
MULLION M95-13-NEW

MULLION ELEVATIONS AND DETAILS  
**CONSTRUCTION GLASS IND. CORP.**  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:	no	date	by	description
	A	01.24.96	T.H.	ANCHOR/GRAPHS REVISED
	B	01.16.02	T.H.	ANCHORS TYPE A & B REV.
	C	05.14.07		UPDATED FOR 2004 FBC

date: 11-25-95  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**M95-13**  
sheet 1 of 5



TYPICAL MULLION ARRANGEMENTS

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

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

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

*[Signature]*  
MAY 16 2007

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 07-0312.03  
Expiration Date 04/26/2008  
By *[Signature]*  
Miami Dade Product Control  
Division

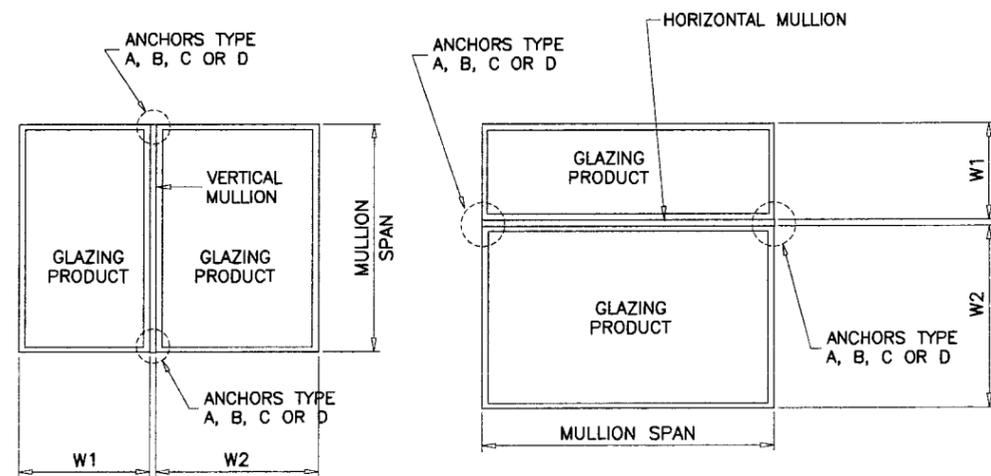
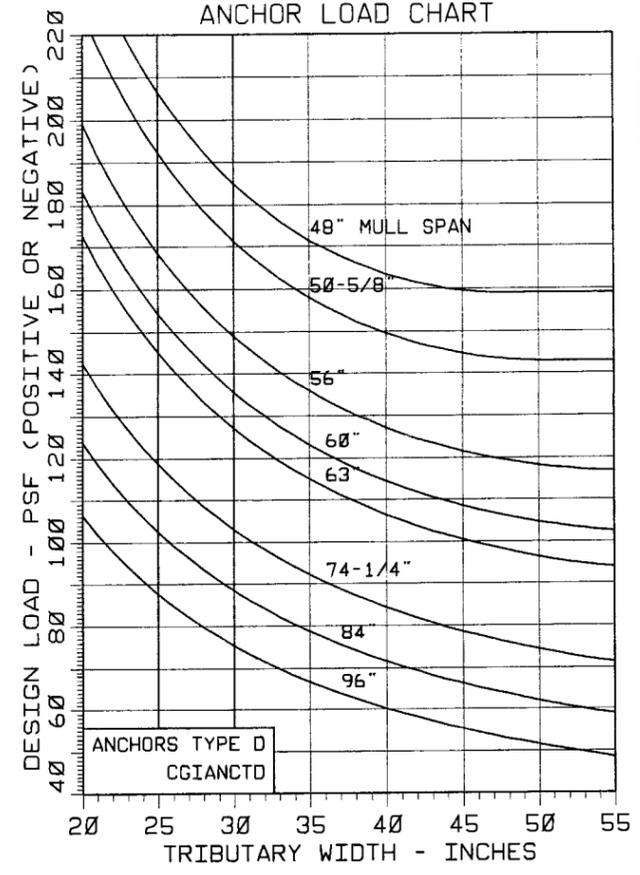
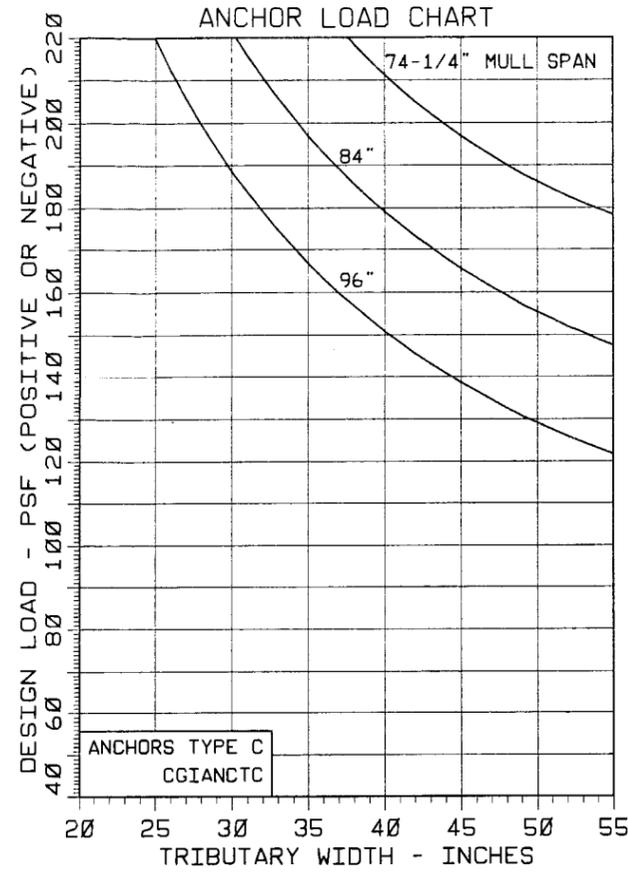
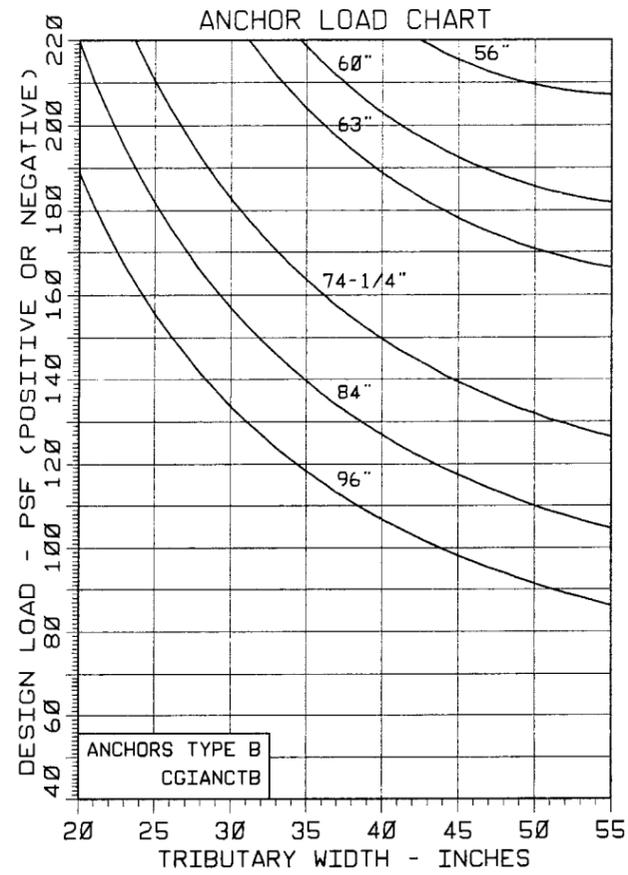
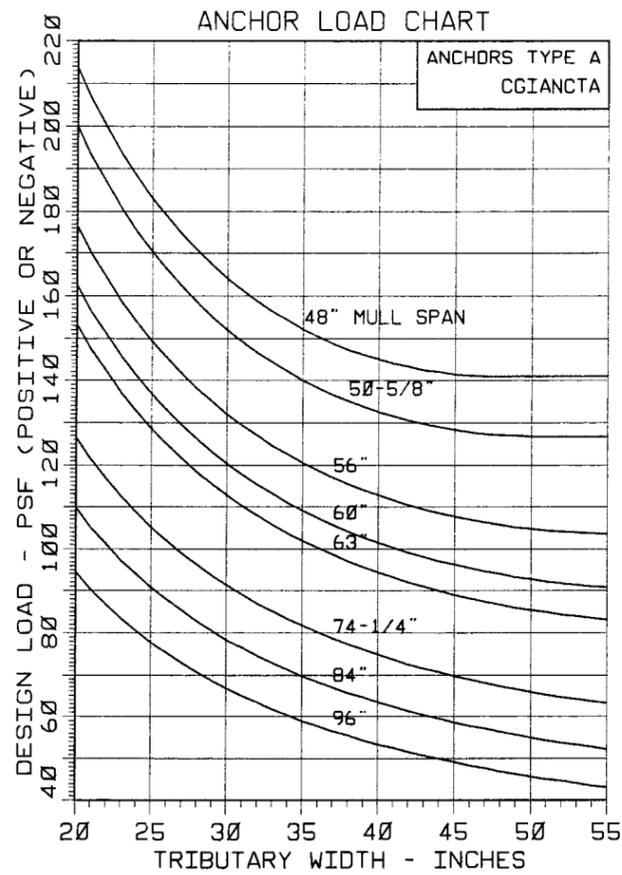
MULLIONS

**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 M95-13-NEW

MULLION ELEVATIONS AND DETAILS  
**CONSTRUCTION GLASS IND. CORP.**  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

no	date	description
C	05.14.07	UPDATED FOR 2004 FBC

date:	11-25-95	scale:	-	dr. by:	HAMID	chk. by:	
drawing no.	M95-13						
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 SHEETS 4 & 5.  
 (INTERPOLATION BETWEEN WIDTHS OR SPANS ALLOWED)

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

MAY 16 2007

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-0312.03  
 Expiration Date 04/26/2008

By: *[Signature]*  
 Miami Dade Product Control  
 Division

ANCHORS

afc

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

MULLION ELEVATIONS AND DETAILS  
**CONSTRUCTION GLASS IND. CORP.**  
 10100 N.W. 25TH STREET  
 MIAMI, FL. 33172  
 TEL. (305) 593-6590 FAX. (305) 593-6592

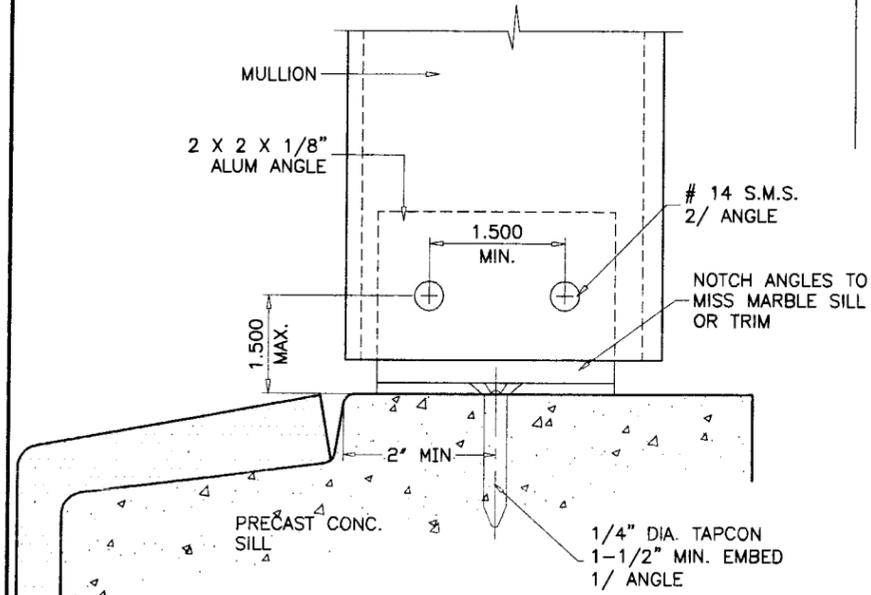
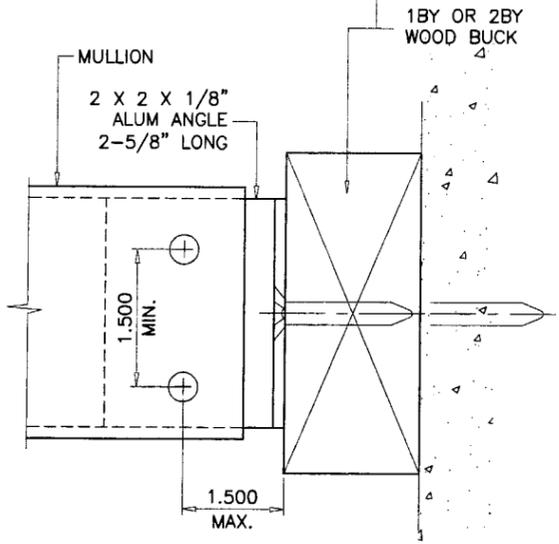
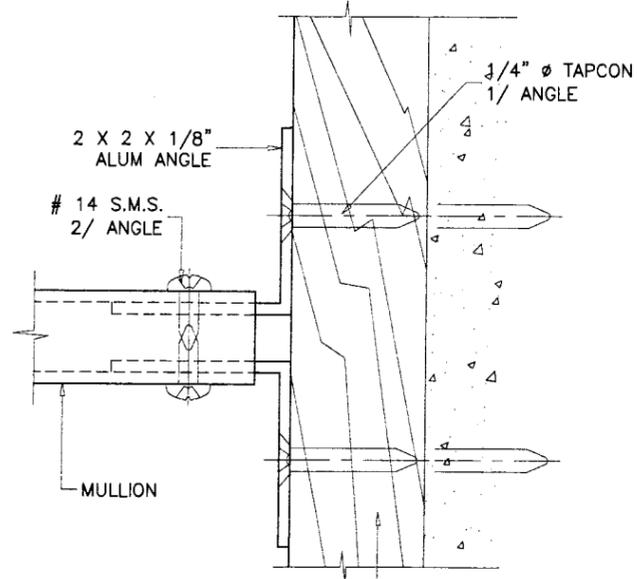
revisions:	no	date	by description
	C	05.14.07	UPDATED FOR 2004 FBC

date:	11-25-95
scale:	-
dr. by:	HAMID
chk. by:	

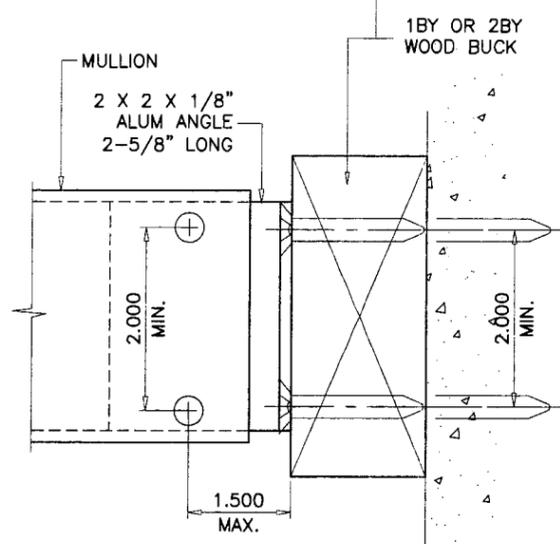
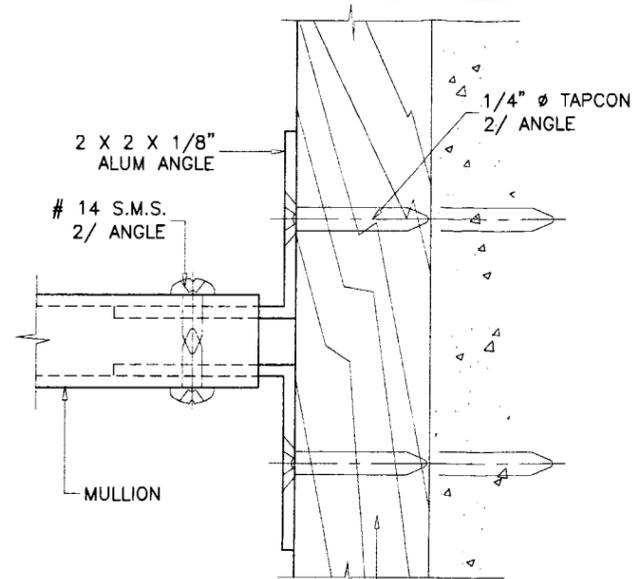
drawing no.  
**M95-13**  
 sheet 3 of 5

MULLION M95-13-NEW

**ANCHORS TYPE 'A'**



**ANCHORS TYPE 'B'**



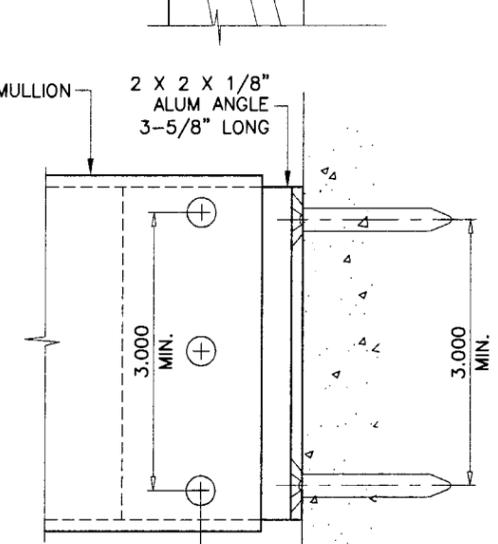
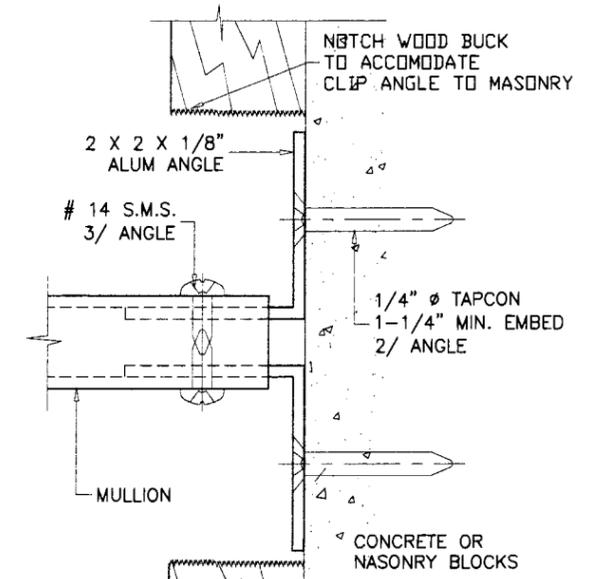
**TAPCONS**

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" MIN.  
 INTO WOOD STRUCTURE = 1" MIN.  
 INTO METAL STRUCTURE = 5/8" MIN.

**ANCHORS TYPE 'C'**



WOOD BUCKS NOT BY C.G.I.  
 MUST SUSTAIN LOADS IMPOSED.

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

MAY 16 2007

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 07-0312.03  
 Expiration Date 04/26/2008  
 By *[Signature]*  
 Miami Code Product Control  
 Division

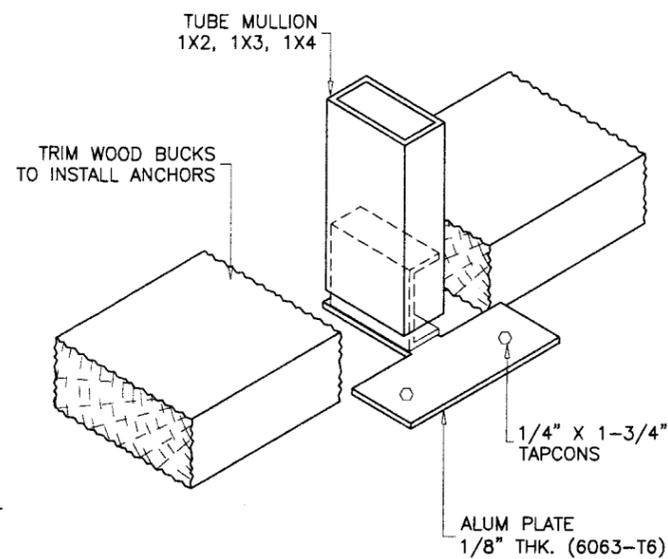
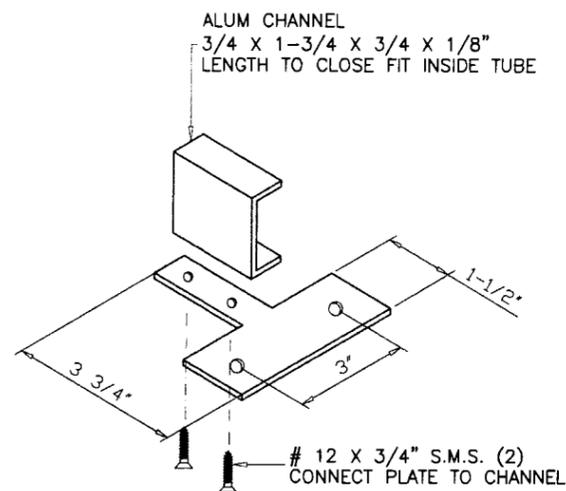
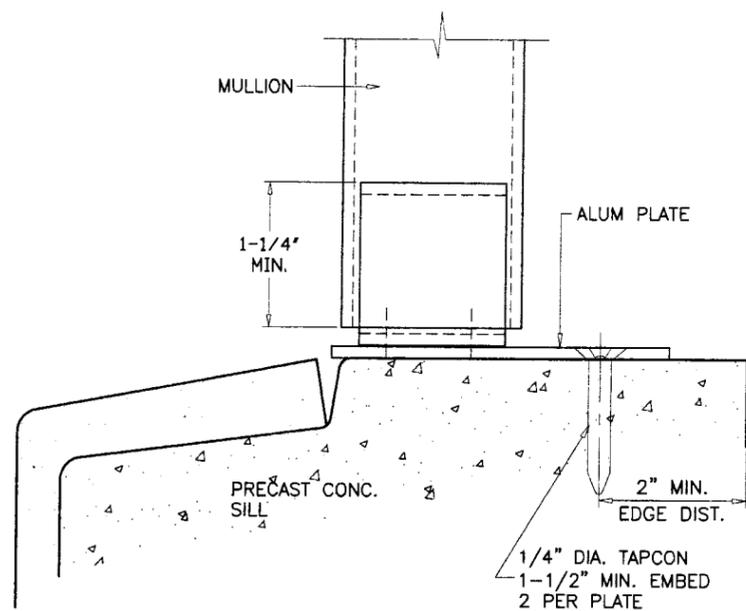
**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 1235 S.W. 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 MULLION M95-13-NEW

MULLION ELEVATIONS AND DETAILS  
**CONSTRUCTION GLASS IND. CORP.**  
 10100 N.W. 25TH STREET  
 MIAMI, FL. 33172  
 TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:	no	date	description
	C	05.14.07	UPDATED FOR 2004 FBC

date: 11-25-95  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:  
 drawing no.  
**M95-13**  
 sheet 4 of 5

ANCHORS TYPE 'D'



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

MAY 16 2007

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 07-0312.03  
Expiration Date 04/26/2008

Miami Dade Product Control  
Division

revisions:	no	date	by	description
	C	05.14.07		UPDATED FOR 2004 FBC

date: 11-25-95  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
M95-13  
sheet 5 of 5

MULLION ELEVATIONS AND DETAILS

CONSTRUCTION GLASS IND. CORP.  
10100 N.W. 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

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

afC

MULLION\M95-13-NEW