



**MIAMI-DADE COUNTY**  
**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) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.maimidade.gov/buildingcode](http://www.maimidade.gov/buildingcode)

**CGI Windows & Doors**  
**10100 NW 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 11/25/95 with revision D dated 05/22/08, 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 # 07-0312.03** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



**NOA No. 08-0429.04**  
**Expiration Date: April 26, 2012**  
**Approval Date: June 26, 2008**  
 Page 1

**CGI Windows & Doors**

**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 11/25/95 with revision D dated 05/22/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

**B. TESTS**

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of aluminum fixed windows mulled together, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0080-0105-08**, dated 3/26/08, signed and sealed by Vinu J. Abraham, P.E.
2. 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)*
3. 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, complying with FBC-2004 and 2007, prepared by Al-Farooq Corporation, dated 4/14/08 and 5/28/08, signed and sealed by Humayoun Farooq, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 08-0429.04

Expiration Date: April 26, 2012  
Approval Date: June 26, 2008

**CGI Windows & Doors**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, dated April 14, 2008, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated April 14, 2008, signed and sealed by Humayoun Farooq, P.E.
3. Laboratory compliance letter for Test Report No. **HTL-0080-0105-08** issued by Hurricane Test Laboratory, Inc., dated 3/26/08, signed and sealed by Vinu J. Abraham, P.E.

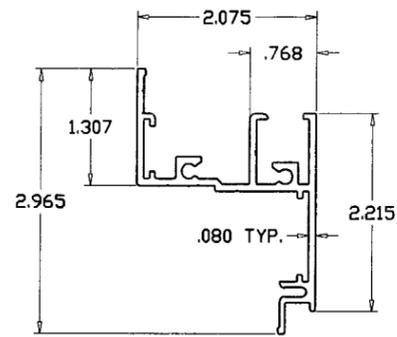
**G. OTHER**

1. Notice of Acceptance No. **07-0312.03**, issued to Construction Glass Industries Corporation for their Aluminum Tube Mullion with #373 Framing Member – L.M.I., approved on 06/14/07 and expiring on 04/26/08.

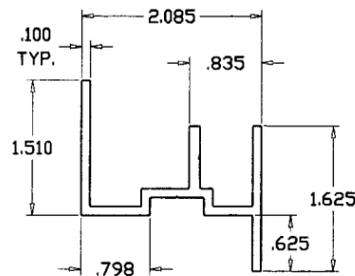
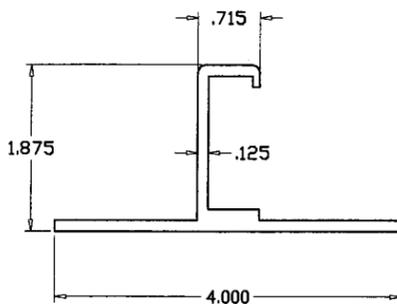
  
Manuel Perez, P.E.

Product Control Examiner  
NOA No. 08-0429.04

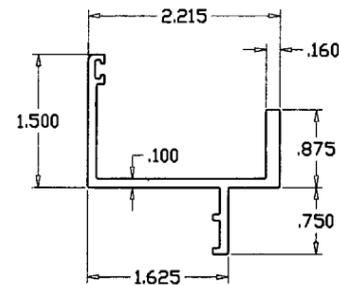
Expiration Date: April 26, 2012  
Approval Date: June 26, 2008



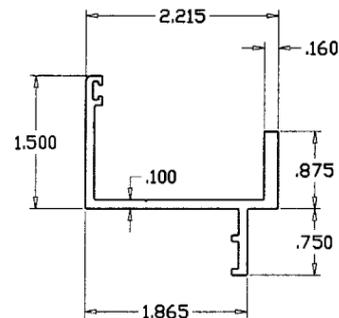
**FRAME**  
CGI-373  
6063-T6



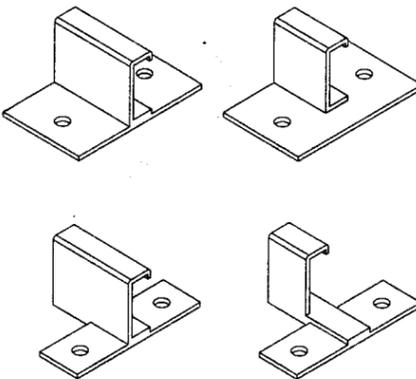
**FRAME**  
CGI-386  
6063-T6



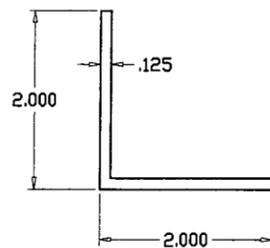
**VENT**  
CGI-387  
6063-T6



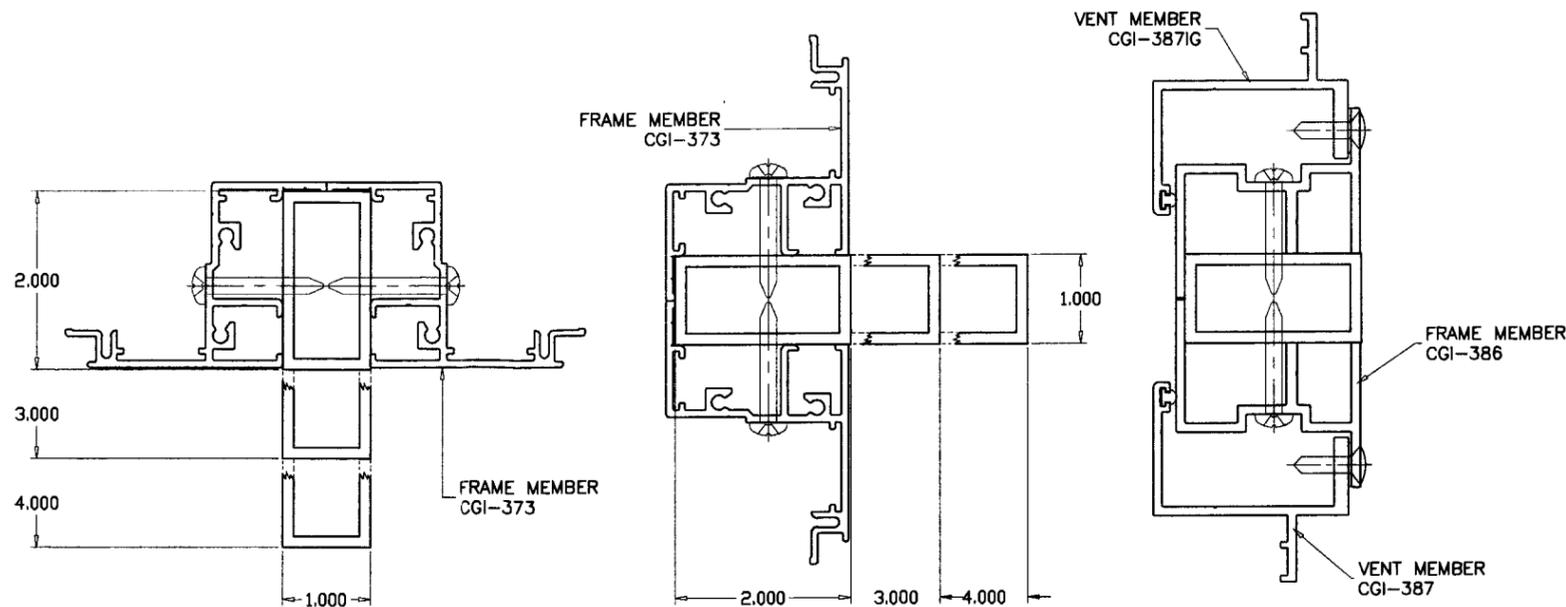
**VENT**  
CGI-387IG  
6063-T6



**MULLION CLIP**  
CGI-383  
6063-T6



**MULLION CLIP**  
6063-T6



ALL MULLIONS: 6063-T6 ALLOY, 1/8" TYP. WALL THICKNESS  
**MULLIONS CONTAINING WINDOW FRAME MEMBERS AT EACH SIDE  
HORIZONTAL OR VERTICAL**

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

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

- USE WITH:  
1- FRAMING MEMBER #373  
2- FRAMING MEMBER #386 + 387  
3- FRAMING MEMBER #386 + 387IG  
ALSO ANY COMBINATIONS OF ABOVE.

**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.

**INSTRUCTIONS:**

USE CHARTS AND GRAPHS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.  
**STEP 2** USE CONNECTION OF WINDOWS TO MULLION AS PER PRODUCT APPROVAL.  
**STEP 3** USING GRAPHS ON SHEET 2 & 3 SELECT MULLION SIZE WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.  
**STEP 4** USING GRAPHS ON SHEET 2 & 3 VERIFY ANCHOR CAPACITY WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.  
**STEP 5** CAPACITY OF CGI GLAZING PRODUCTS AND MULLION MUST EQUAL OR EXCEED REQUIRED LOADS.

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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 08-0429.04  
Expiration Date APRIL 26, 2012

JUN 04 2008

By: *Manuel Perez*  
Miami Dade Product Control  
Division

THESE MULLIONS ARE RATED FOR LARGE MISSILE IMPACT

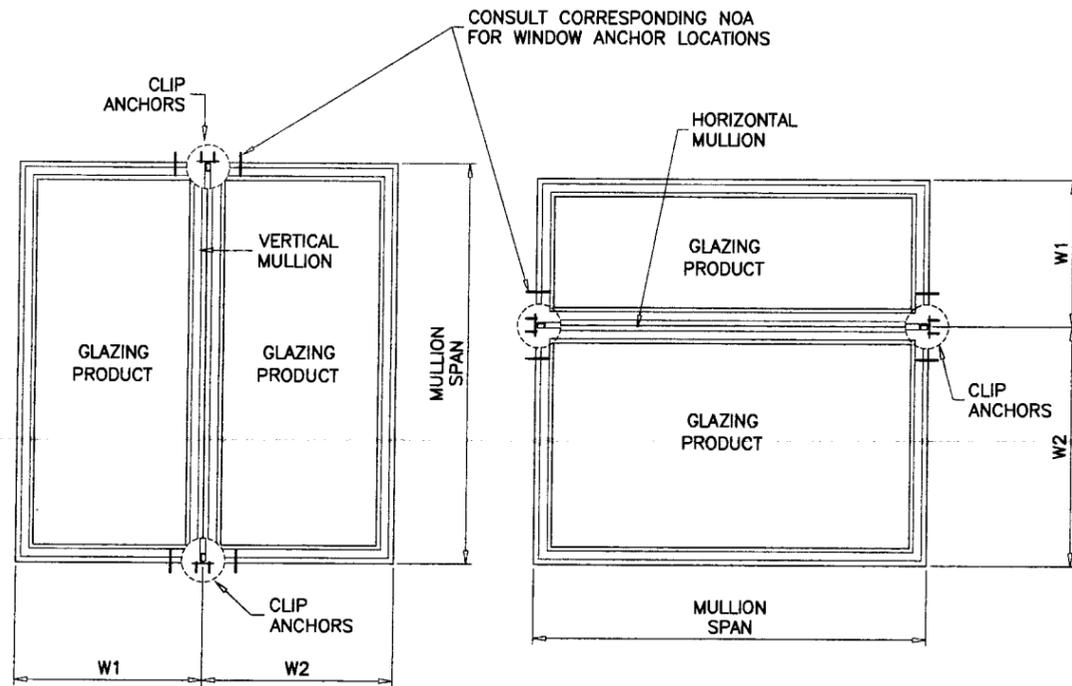
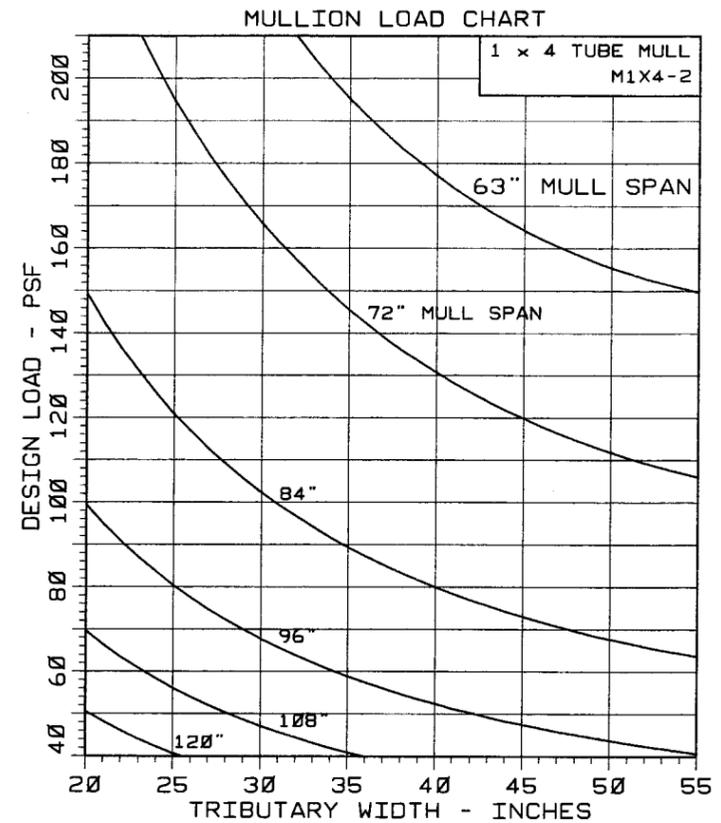
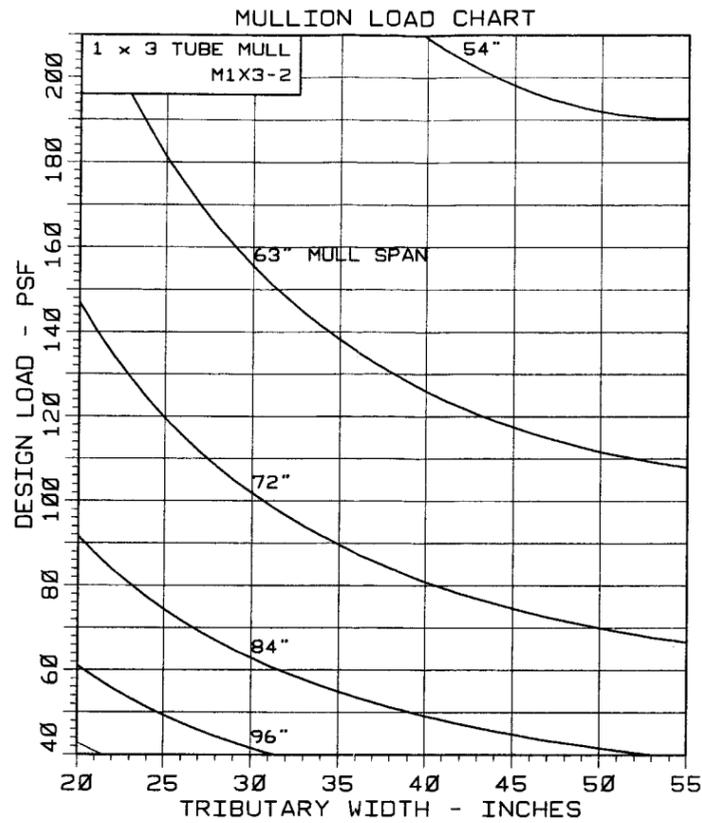
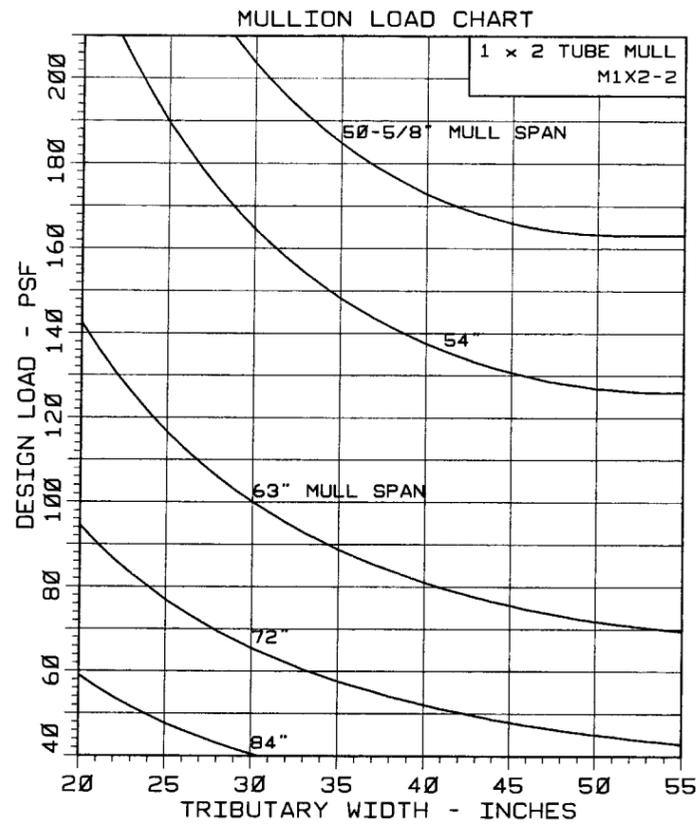
**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1236 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
MULLION\M95-13-NEW

MULLION ELEVATIONS AND DETAILS  
**CGI WINDOWS & DOORS**  
10100 NW 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

no	date	by	description
A	01.24.98	T.H.	ANCHOR/GRAPHS REVISED
B	01.16.02	T.H.	ANCHORS TYPE A & B REV.
C	02.02.07		UPDATED FOR 2004 FBC
D	05.22.08		REV. PER BCCO COMMENTS

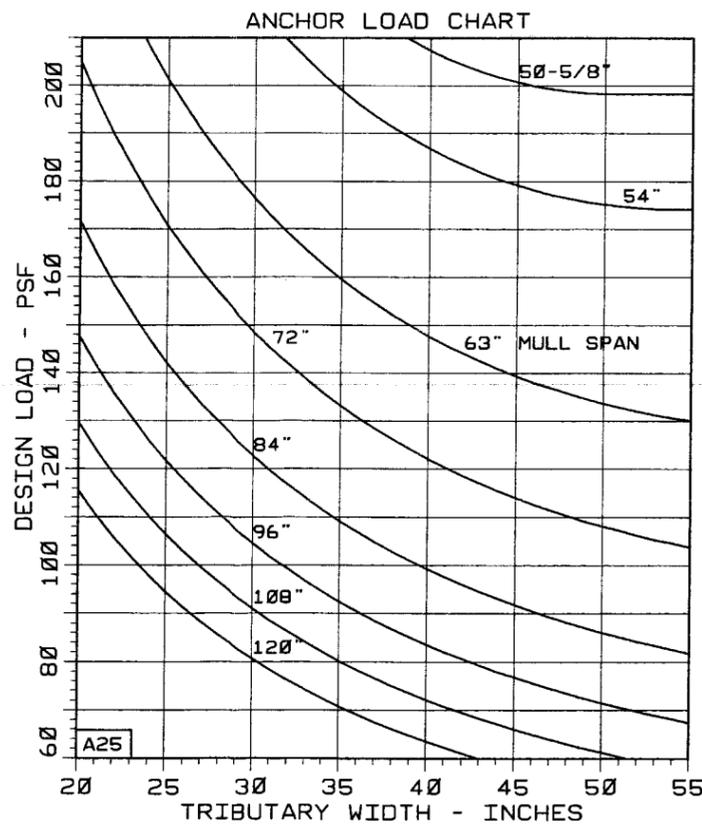
date: 11-25-95  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

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



$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$

TYPICAL MULLION ARRANGEMENTS



MULLION AND ANCHOR CHARTS ON THIS SHEET APPLY TO MULLION CONDITIONS SHOWN ON ELEVATIONS AT LEFT ONLY.

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

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 08-0429.04  
Expiration Date APRIL 26, 2012

By *Manuel Perez*  
Miami Dade 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 ELEVATIONS AND DETAILS  
**CGI WINDOWS & DOORS**  
10100 NW 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

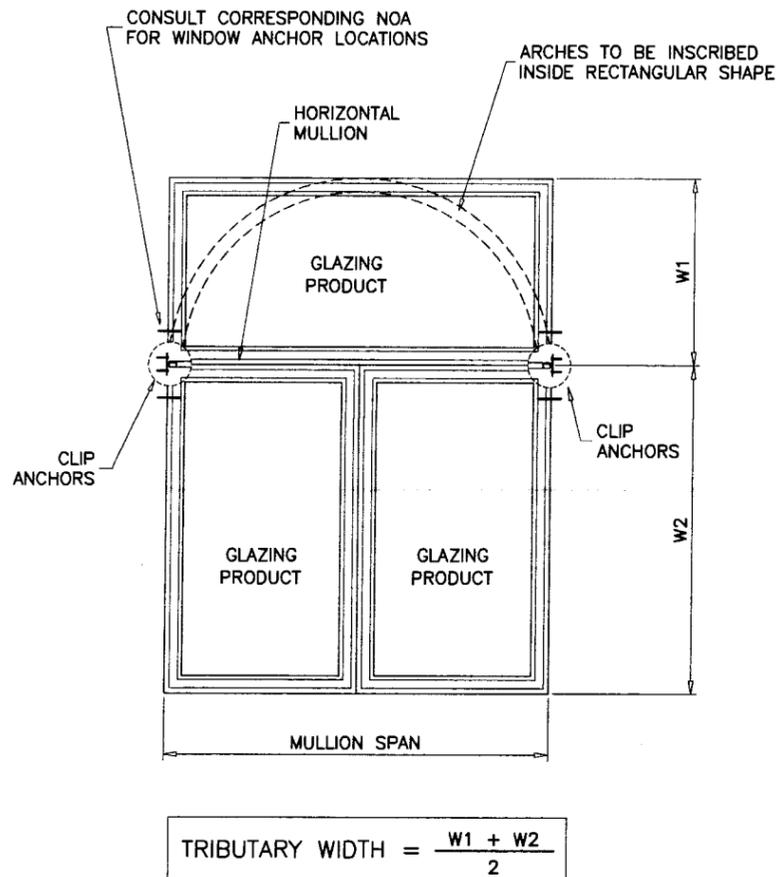
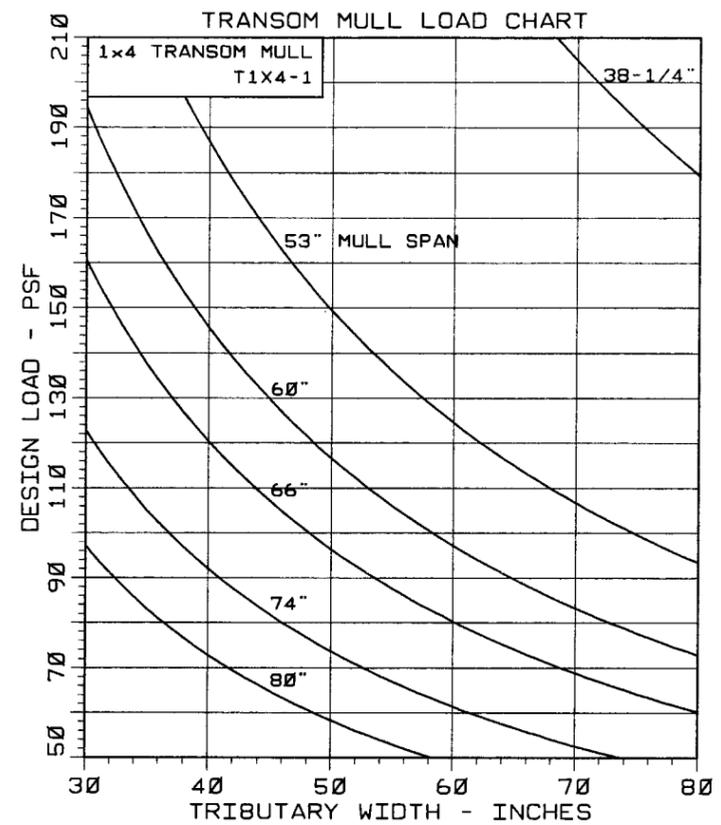
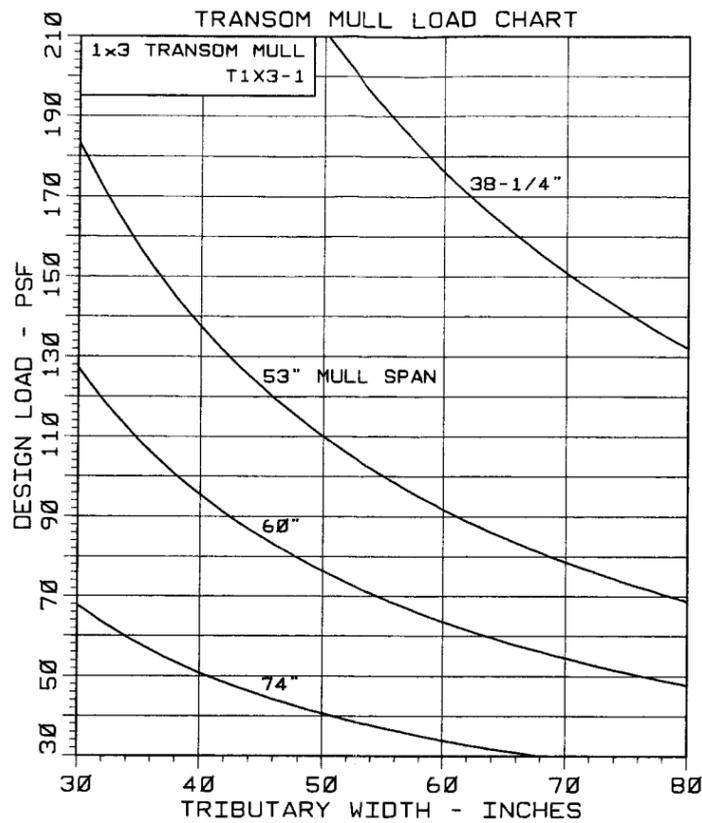
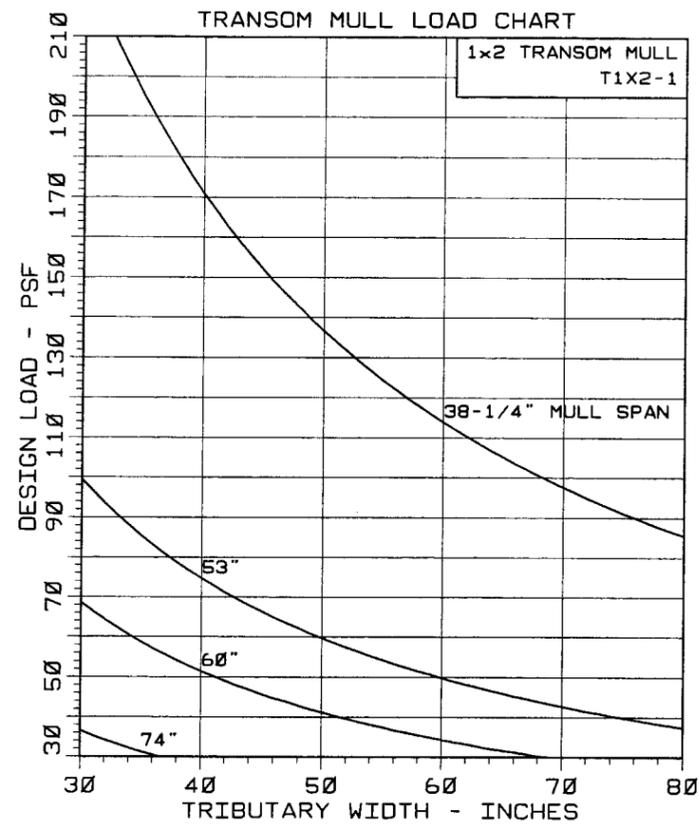
revisions:	no	date	by	description
	C	02.02.07		UPDATED FOR 2004 FBC
	D	05.22.08		REV. PER BCCO COMMENTS

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

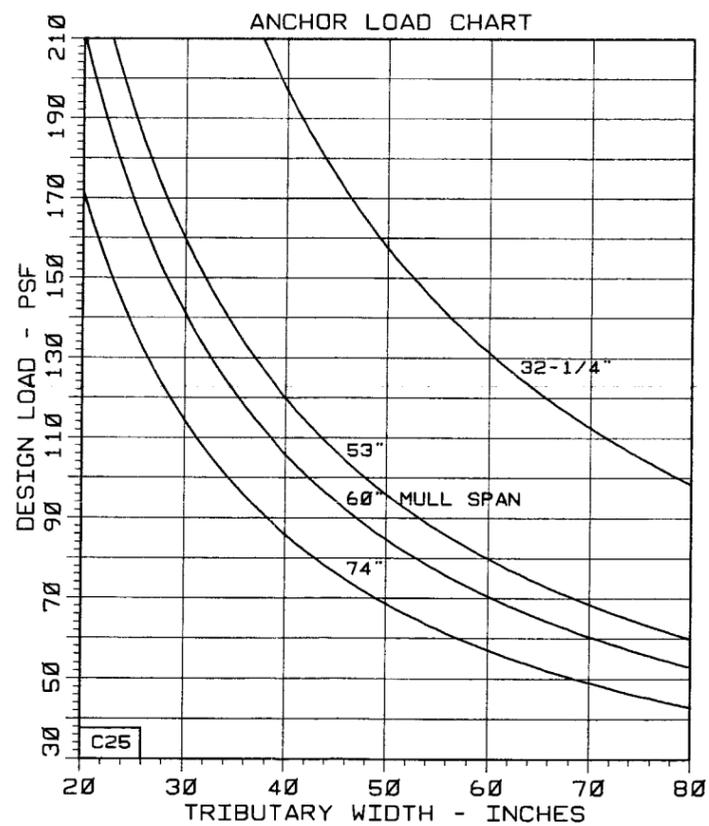
drawing no.  
**M95-13**

sheet 2 of 5

MULLION M95-13-NEW



TYPICAL MULLION ARRANGEMENTS



MULLION AND ANCHOR CHARTS ON THIS SHEET APPLY TO HORIZONTAL MULLION AND IT'S END ANCHORS ONLY.

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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 08-0429.04  
Expiration Date APRIL 26, 2012

By *Manuel Perez*  
Miami Dade 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 ELEVATIONS AND DETAILS  
**CGI WINDOWS & DOORS**  
10100 NW 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

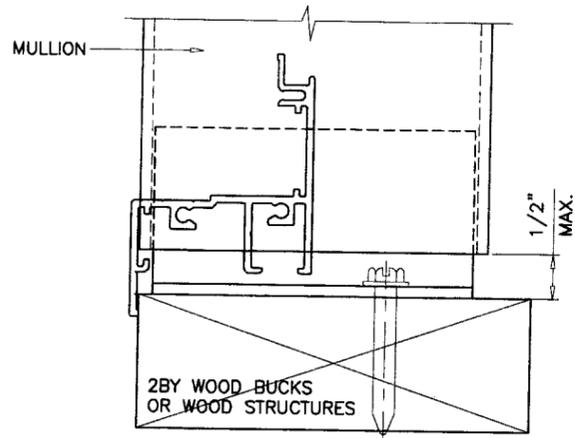
revisions:	
no	date by description
C	02.02.07 REV. PER BCCO COMMENTS
D	05.22.08 REV. PER BCCO COMMENTS

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

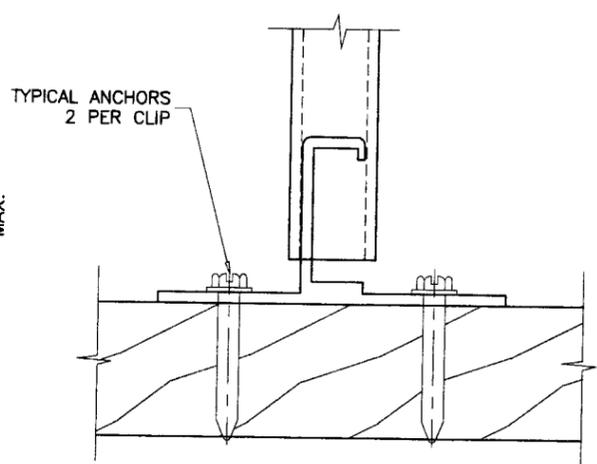
drawing no.  
**M95-13**

sheet 3 of 5

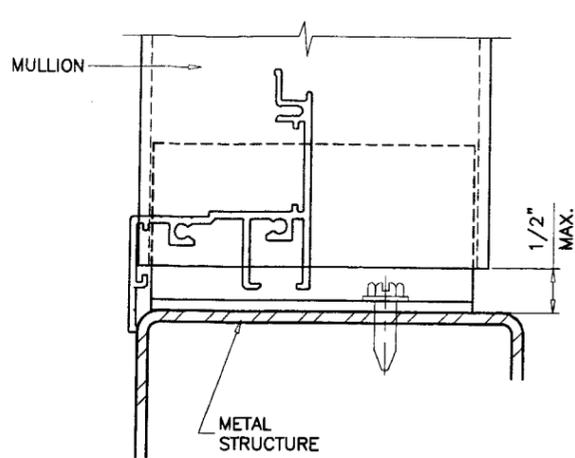
MULLION M95-13-NEW



INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

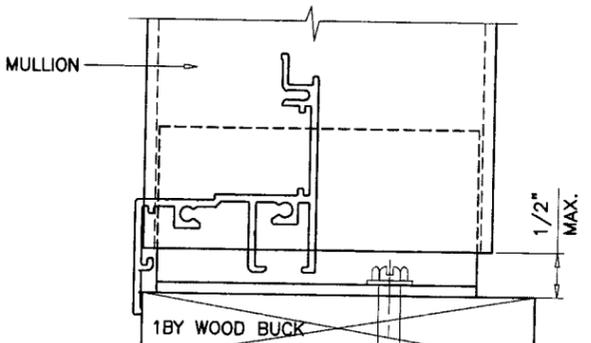


INTO METAL STRUCTURES

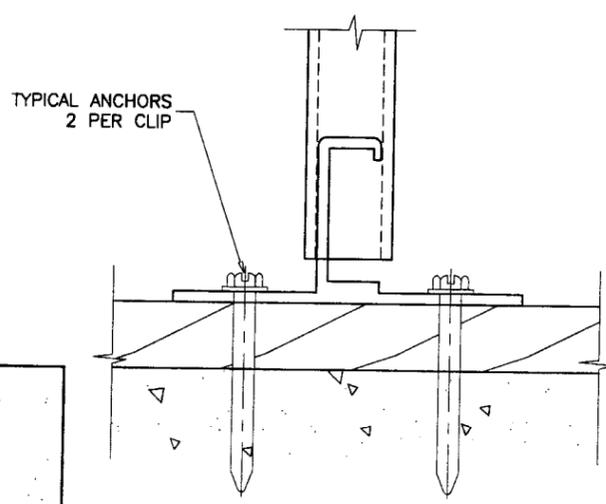


ANCHOR DETAIL #1

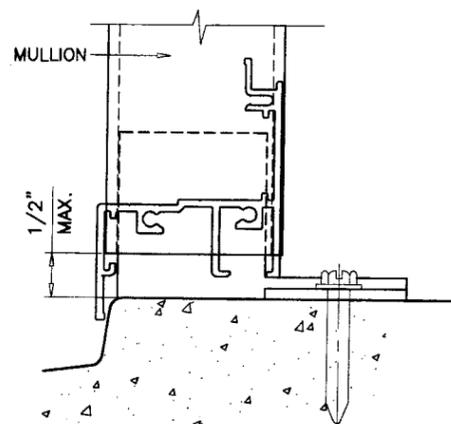
#12 X 3/4 FH SMS  
1 PER CLIP AT 1X2 & 1X3 MULLION  
2 PER CLIP AT 1X4 MULLION



THRU 1BY BUCKS INTO CONC. OR MASONRY



OFFSET CLIP OPTION



**TYPICAL ANCHORS:**

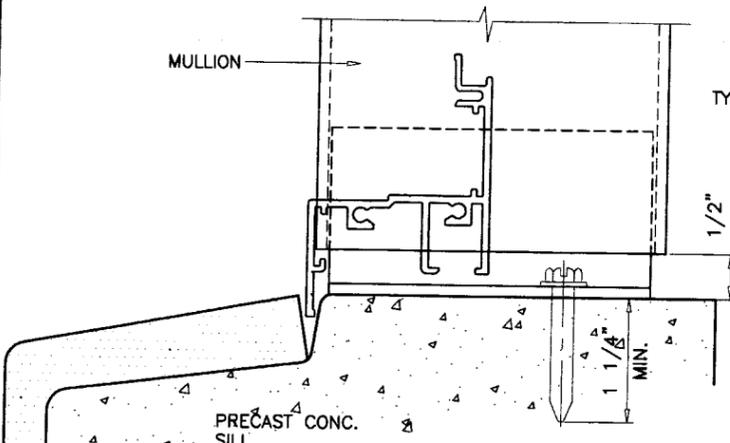
- 1/4" TAPCONS BY 'ELCO'
- INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-3/8" MIN. PENETRATION INTO WOOD
- THRU 1BY BUCKS INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- DIRECTLY INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

**#14 SMS OR SELF DRILLING SCREWS**

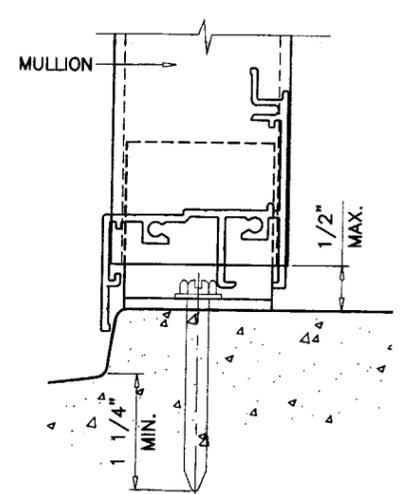
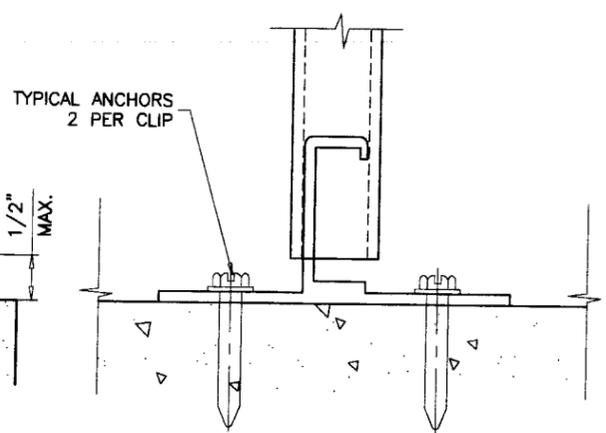
- INTO METAL STRUCTURES
- STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
- ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
- (STEEL IN CONTACT WITH ALUM. TO BE PLATED OR PAINTED)

**TYPICAL EDGE DISTANCE**

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



DIRECTLY INTO CONC. OR MASONRY



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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 08-0429.04  
Expiration Date APRIL 26, 2012  
By *Manuel Perez*  
Miami Dade Product Control  
Division

JUN 04 2008

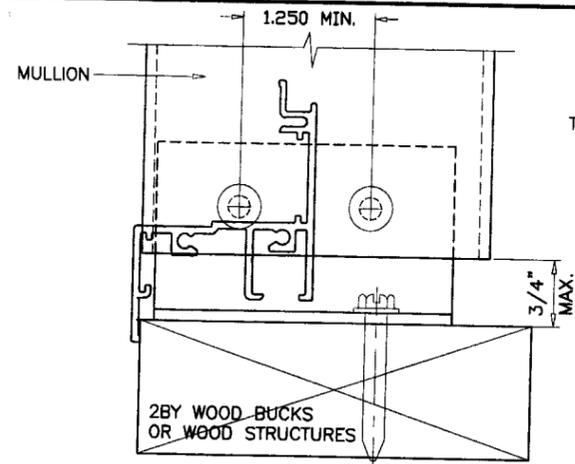
**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
MULLION\M95-13-NEW

MULLION ELEVATIONS AND DETAILS  
**CGI WINDOWS & DOORS**  
10100 NW 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

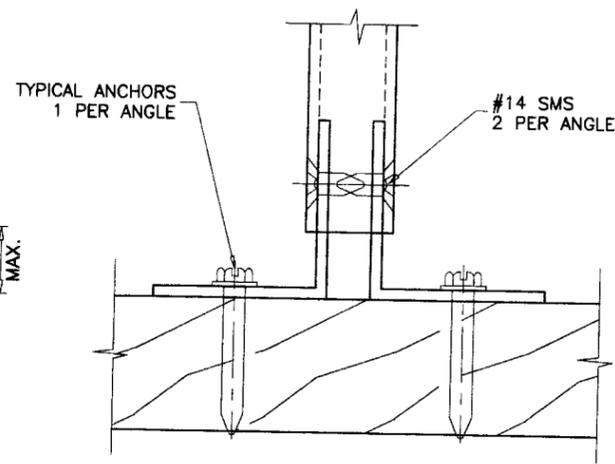
revisions:	no	date	by	description
	C	02.02.07		UPDATED FOR 2004 FBC
	D	05.22.08		REV. PER BCCO COMMENTS

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

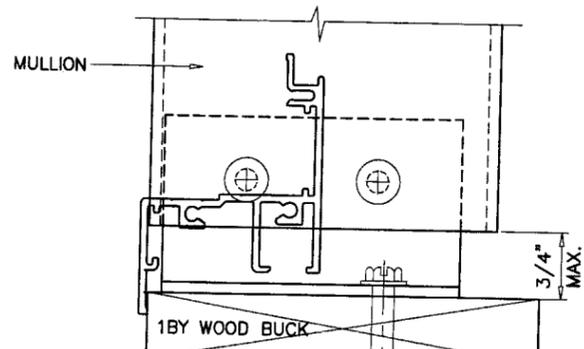
drawing no.  
**M95-13**  
sheet 4 of 5



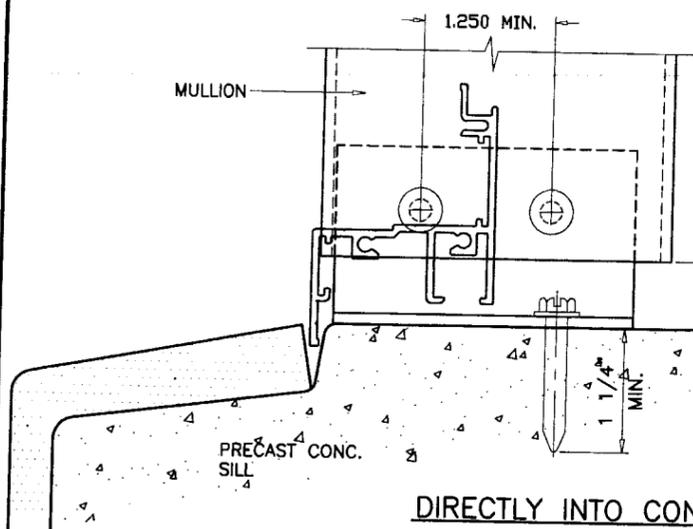
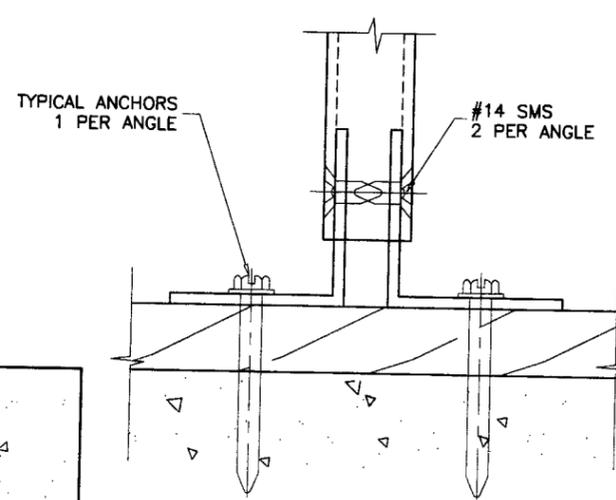
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES



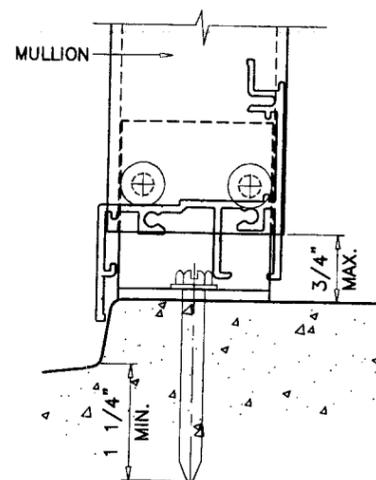
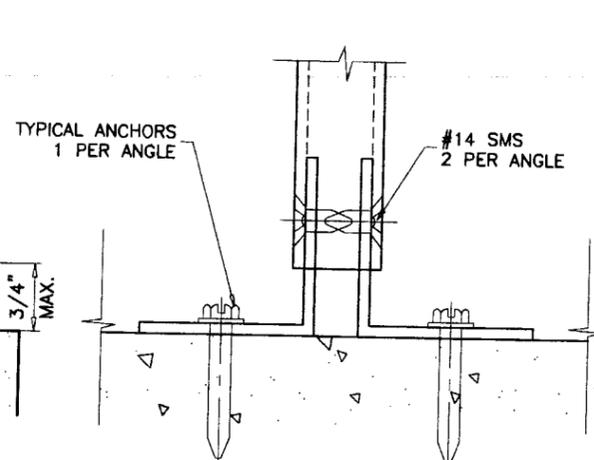
INTO METAL STRUCTURES



THRU 1BY BUCKS INTO CONC. OR MASONRY



DIRECTLY INTO CONC. OR MASONRY



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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **08-0429.04**  
Expiration Date **APRIL 26, 2012**

JUN 04 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 M95-13-NEW

MULLION ELEVATIONS AND DETAILS

**CGI WINDOWS & DOORS**  
10100 NW 25TH STREET  
MIAMI, FL. 33172  
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:	
no	description
C	02.02.07 UPDATED FOR 2004 FBC
D	05.22.08 REV. PER BCCO COMMENTS

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

drawing no.  
**M95-13**

sheet 5 of 5