



**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) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

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

**Gopi Glass Sales & Service Corp.**  
**7450 NW 41<sup>st</sup> St**  
**Miami, FL 33166**

**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: Clipped Aluminum Tube Mullions – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **M95-16**, titled "Aluminum Tube Mullions", sheets 1 through 4, dated 12/05/95 with revision D dated 03/29/07, 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" or the Product Control Seal, 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 # **03-1124.04** 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. 06-0210.07**  
**Expiration Date: March 28, 2012**  
**Approval Date: February 28, 2008**  
**Page 1**

**Gopi Glass Sales & Services Corp.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**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 20, 2008, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated February 20, 2008, signed and sealed by Humayoun Farooq, P.E.

**G. OTHER**

1. Notice of Acceptance No. **03-1124.04**, issued to Gopi Glass Sales & Services Corp. for their "Aluminum Tube Mullion – Impact Resistant" approved on 04/01/04 and expiring on 03/28/07.



Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 06-0210-07

Expiration Date: March 28, 2012  
Approval Date: February 28, 2008

**Gopi Glass Sales & Services Corp.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

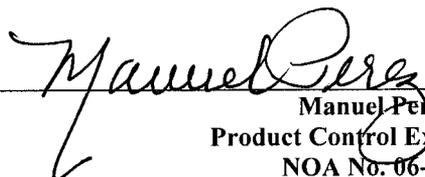
1. Manufacturer's die drawings and sections.
2. Drawing No. **M95-16**, titled "Aluminum Tube Mullions", sheets 1 through 4, dated 12/05/95 with revision D dated 03/29/07, prepared by Al Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

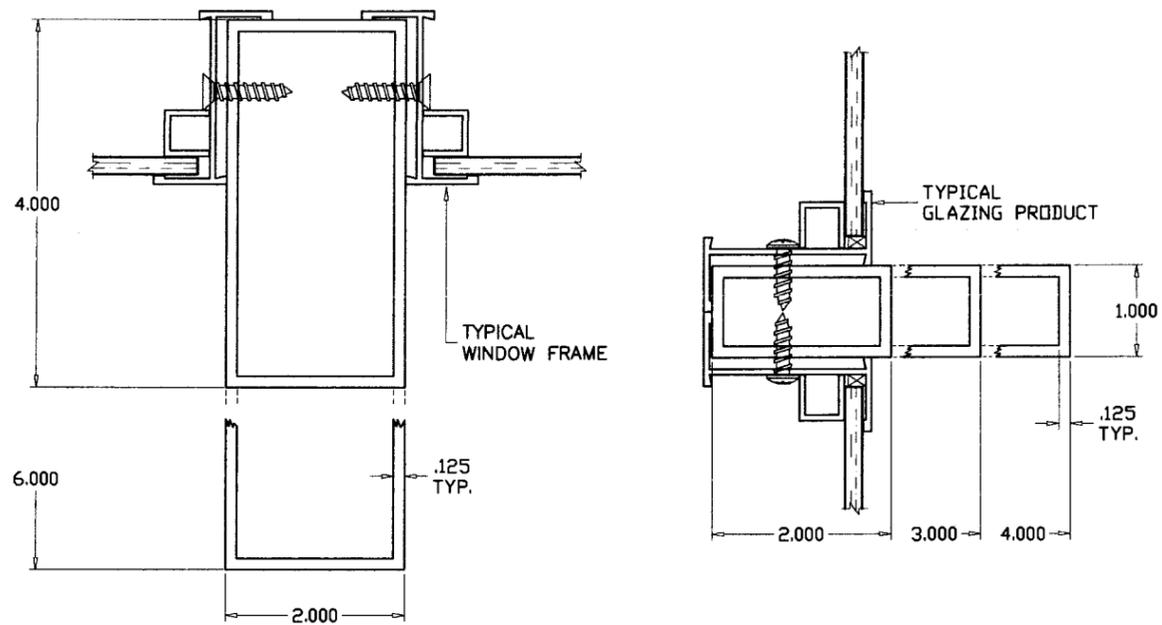
**B. TESTS**

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 Fenestration Testing Laboratory, Inc., verification Test Report No. **FTL-5378**, dated October 4, 2007, signed and sealed by Michael Wenzel, P.E.
2. 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-96-512**, dated February 2, 1996 signed and sealed by Hector Medina, P.E.  
*(Submitted in NOA #99-0331.02)*
3. Test reports on 1) Air Infiltration Test, per TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
3) Water Resistance Test, per TAS 202-94  
4.) Large Missile Impact Test, SFBC PA 201-94  
5.) Cyclic Loading Test, per SFBC PA 203-94  
along with marked-up drawings and installation diagram of two mulled side-by-side series 510 aluminum fixed window, prepared by Hurricane Engineering & Testing Lab, Inc., Test Report No. **HETI-02-1145B** dated April 30<sup>th</sup>, 2002, signed and sealed by Hector M. Medina, P. E.  
*(For reference only) (Submitted in NOA #02-0826.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 9/29/06, 2/23/07, 3/29/07 & 4/09/07 signed and sealed by Humayoun Farooq, P.E.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 06-0210.07  
Expiration Date: March 28, 2012  
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**MULLIONS CONTAINING TYPICAL GLAZING PRODUCTS  
HORIZONTAL OR VERTICAL**

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

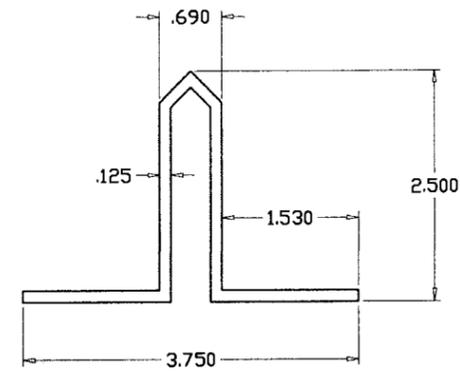
ALL MULLIONS 6063-T6 MIN.

**INSTRUCTIONS:**

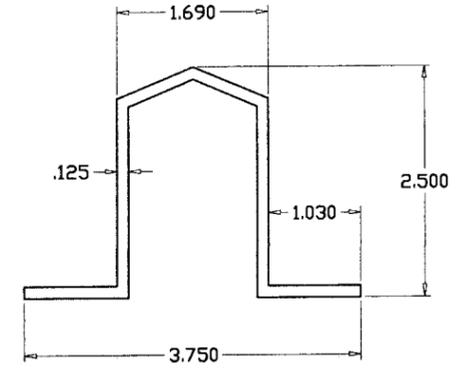
USE CHARTS AND GRAPHS AS FOLLOWS.

- 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.

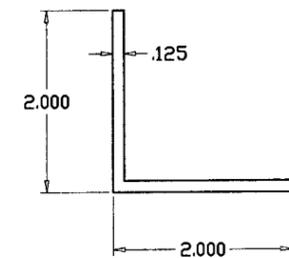
MULLION SYSTEM IS RATED FOR LARGE MISSILE IMPACT. AND CAN BE USED WITH ALL MIAMI-DADE COUNTY APPROVED IMPACT AND NON-IMPACT RESISTANT PRODUCTS.



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



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



**ANGLE CLIP (6063-T5)**

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

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 06-0210-07  
Expiration Date MARCH 28, 2012

By: *Mauro Perez*  
Miami Dade Product Control  
Division  
FEB 20 2008

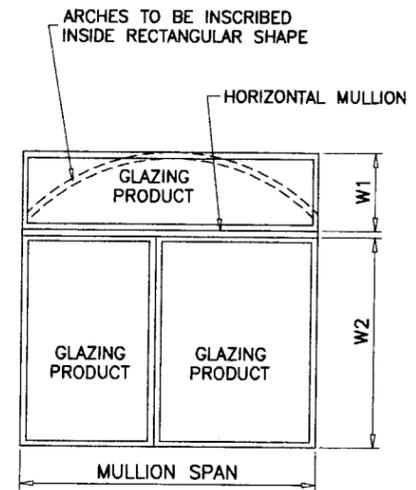
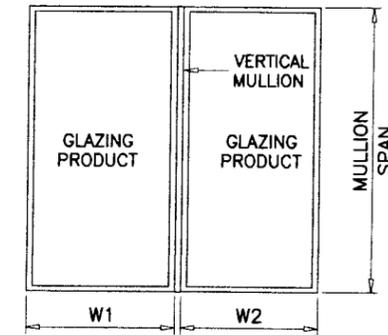
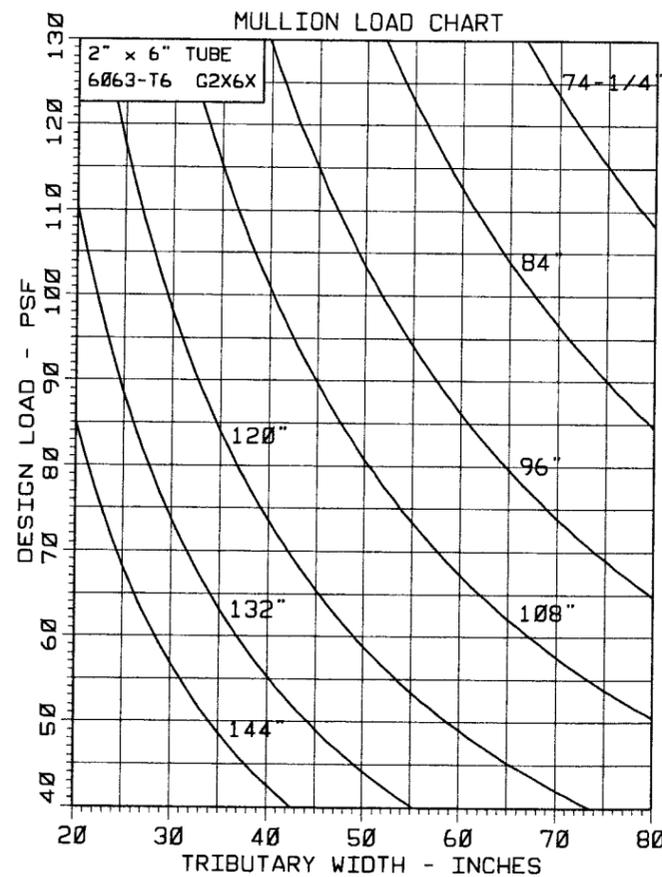
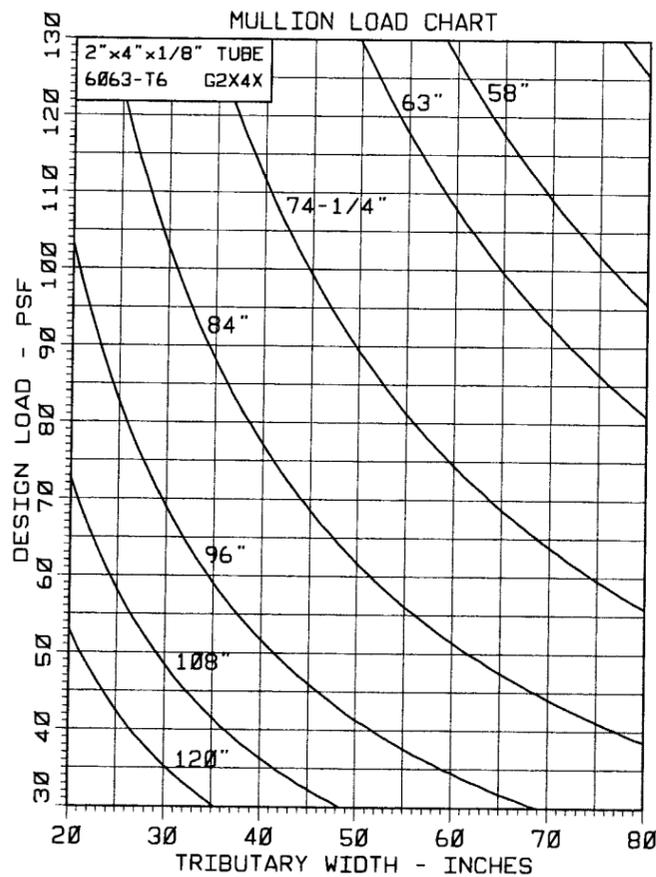
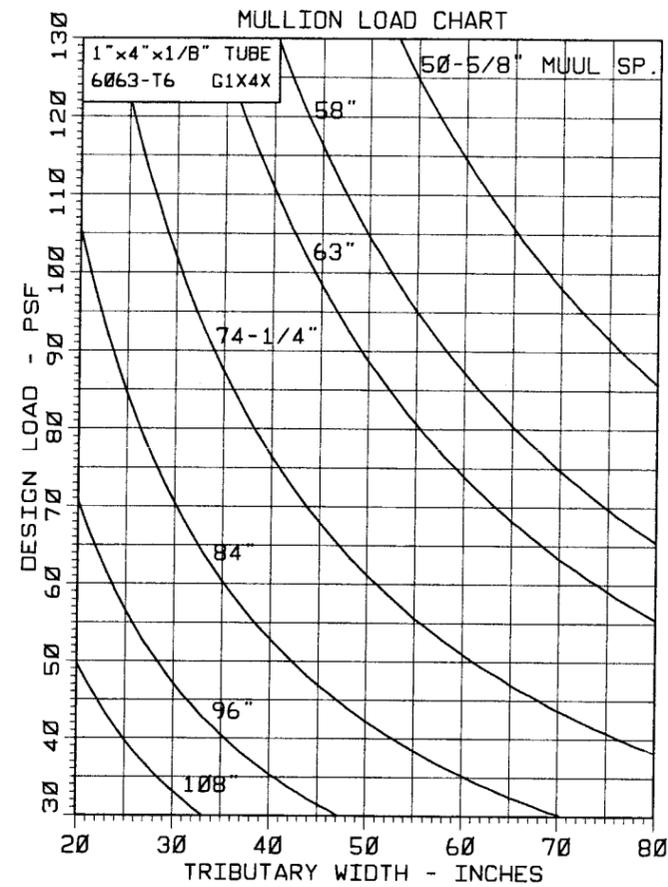
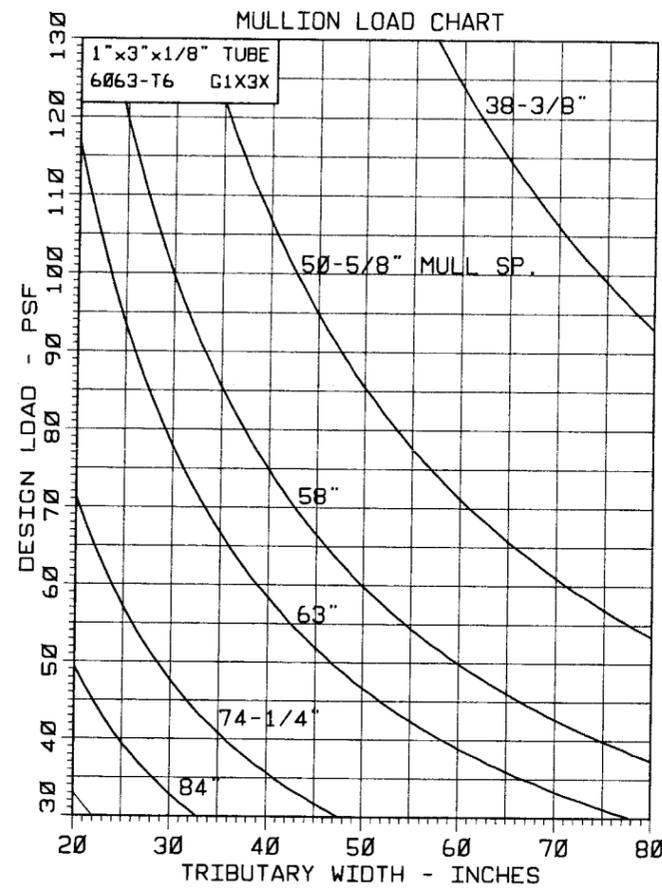
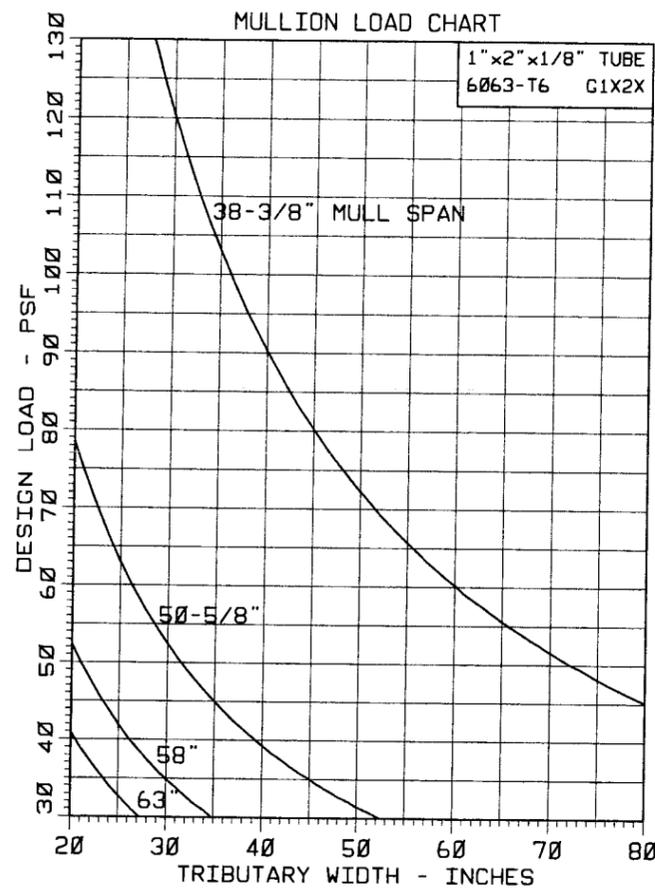
**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
MULLION M95-16GG

ALUMINUM TUBE MULLIONS  
**GOPI GLASS CORPORATION**  
7450 N.W. 41 STREET  
MIAMI, FL. 33166  
TEL. (305) 592-2089 FAX. (305) 477-8992

revisions:	no	date	by	description
	A	12.11.01	T.H.	ANCHOR TYPE B CHART REV.
	B	10.01.03	T.H.	IMPACT RATING & ALT. CLIP ADD.
	C	10.26.06		UPDATED FOR 2004 FBC
	D	03.29.07		NO CHANGE THIS SHEET

date: 12-05-95  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**M95-16**  
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. HUMAYO'UN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 06-0210.07  
Expiration Date MARCH 28, 2012

By *Manuel Paez*  
Miami Trade Product Control  
Division

MULLIONS

FEB 20 2008

**af c**

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ALUMINUM TUBE MULLIONS

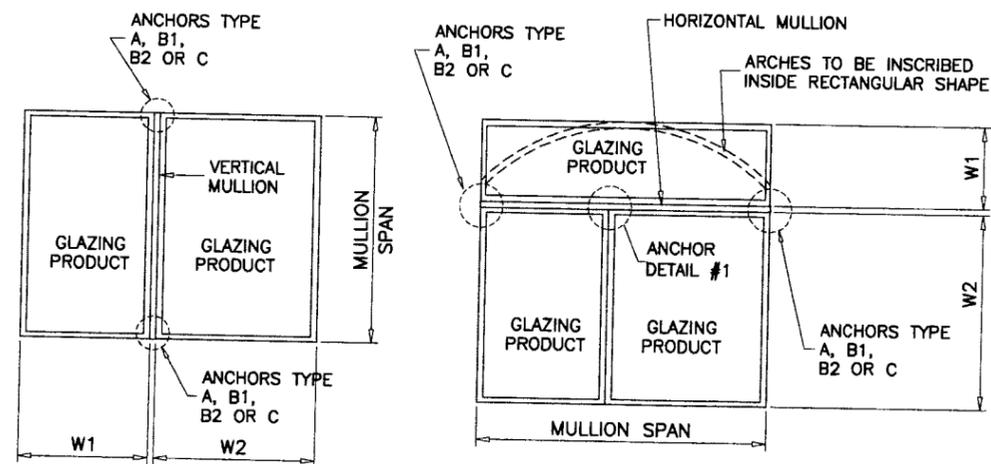
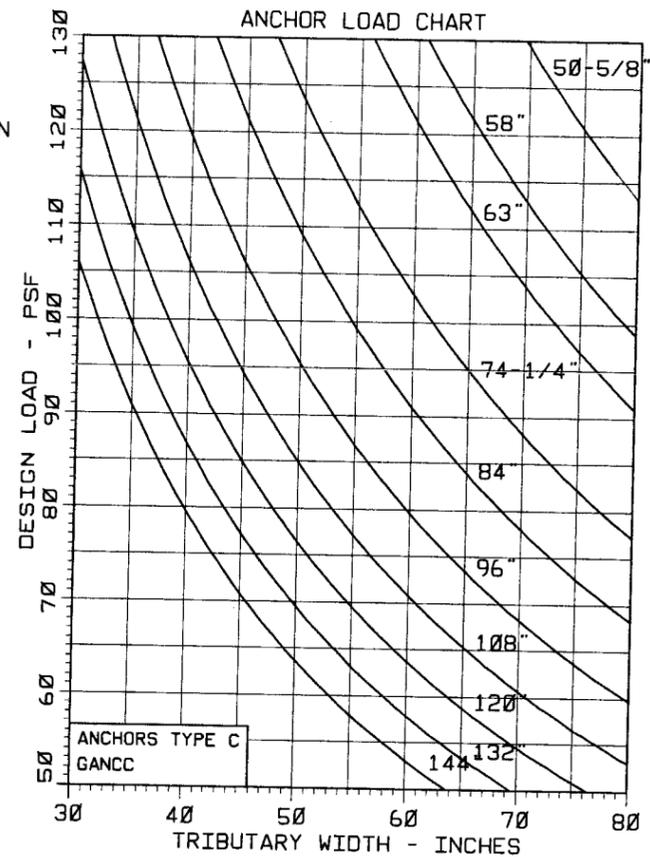
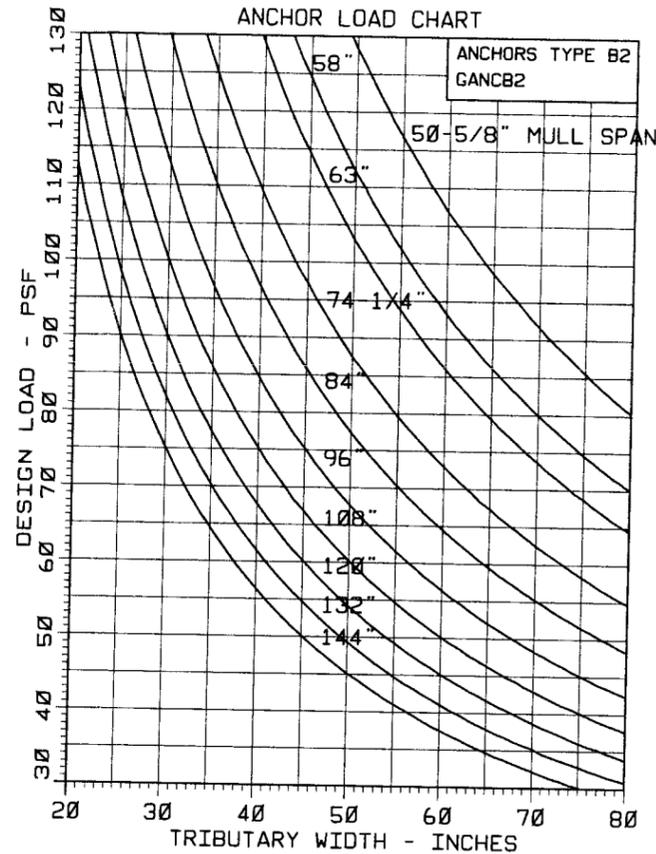
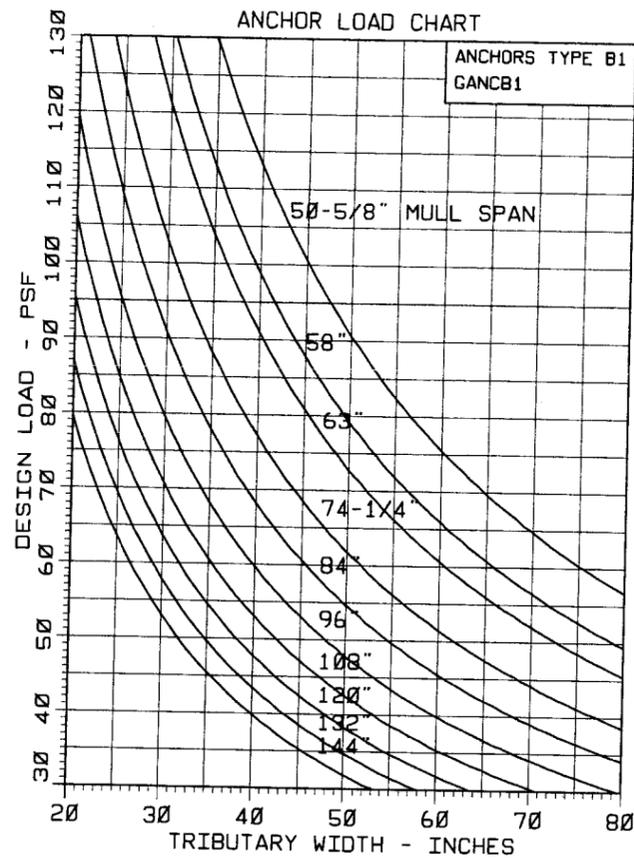
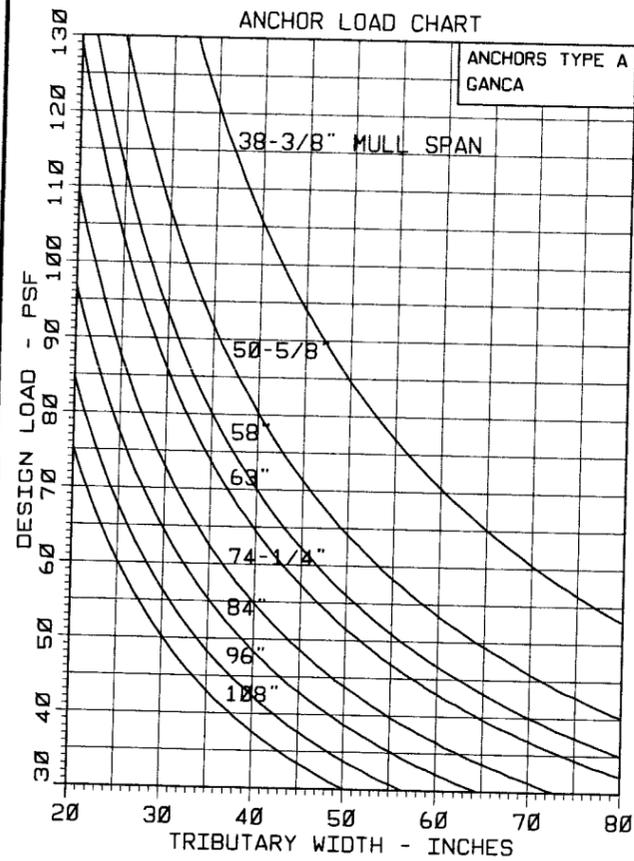
**GOPI GLASS CORPORATION**  
7450 N.W. 41 STREET  
MIAMI, FL. 33166  
TEL. (305) 592-2089 FAX. (305) 477-8992

no	date	by	description
B	10.01.03	T.H.	NO CHANGE THIS SHEET
C	10.26.06		GRAPHIS REV.
D	10.3.29.07		NO CHANGE THIS SHEET

date: 12-05-95  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**M95-16**

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

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0210-07  
 Expiration Date MARCH 28, 2012  
 By Mustafa  
 Miami/Dade Product Control  
 Division

FEB 20 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 M95-16GG

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**ALUMINUM TUBE MULLIONS**

**GOPI GLASS CORPORATION**  
 7450 N.W. 41 STREET  
 MIAMI, FL. 33166  
 TEL. (305) 592-2089 FAX. (305) 477-8992

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Revisions:	
no	date by description
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D	03.29.07 NO CHANGE THIS SHEET

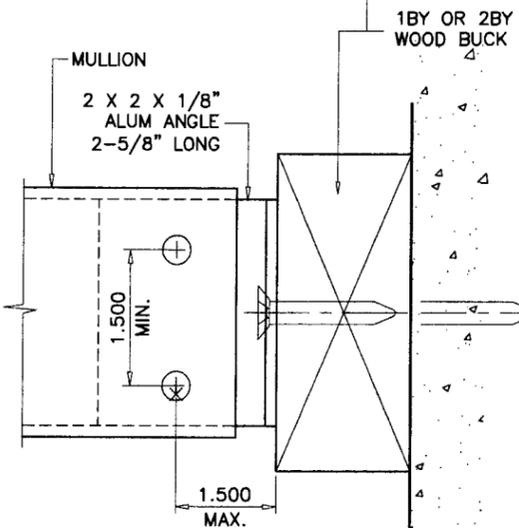
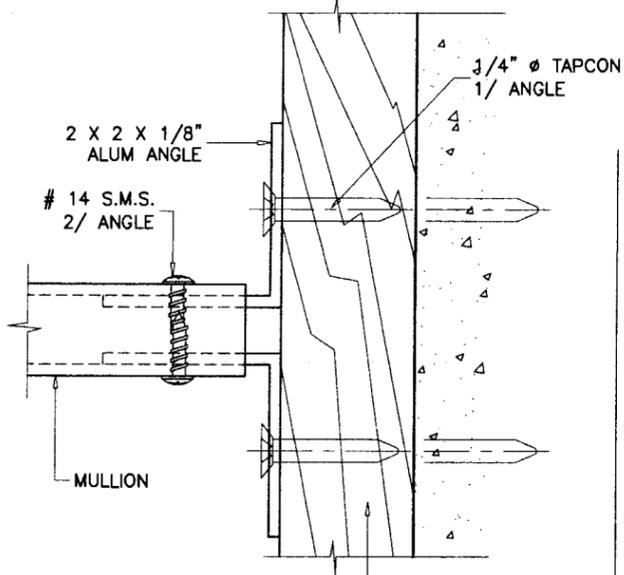
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 chk. by:

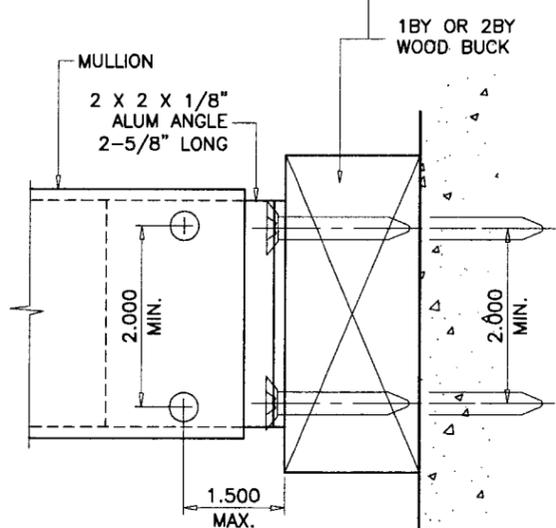
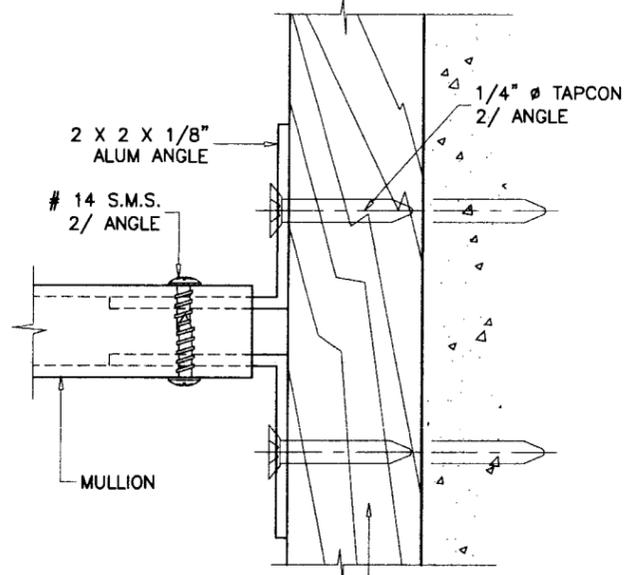
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drawing no. **M95-16**  
 sheet 3 of 4

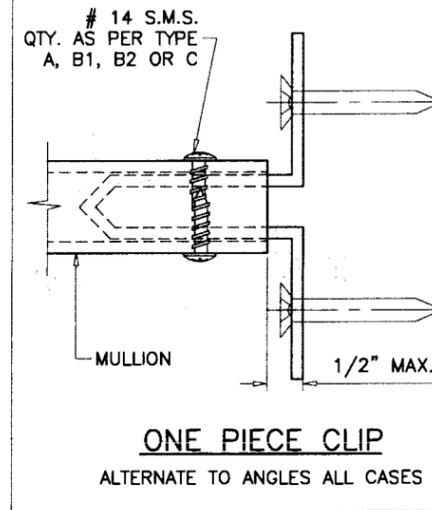
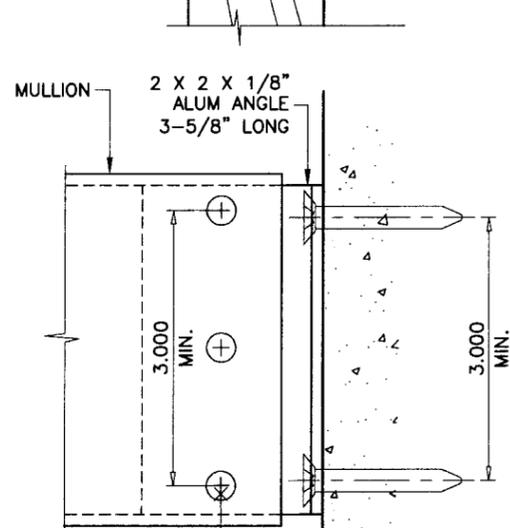
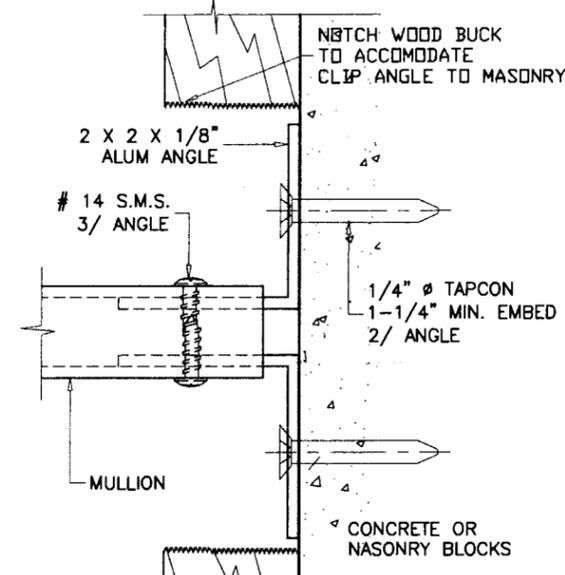
**ANCHORS TYPE 'A'**



**ANCHORS TYPE 'B2'**

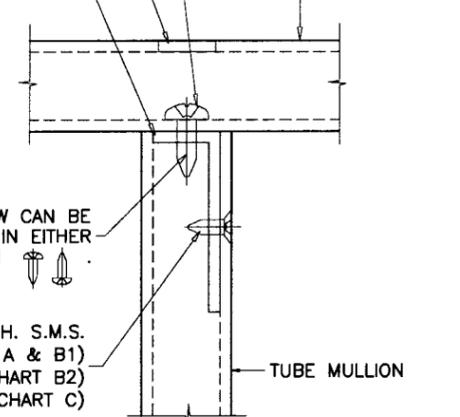


**ANCHORS TYPE 'C'**



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)

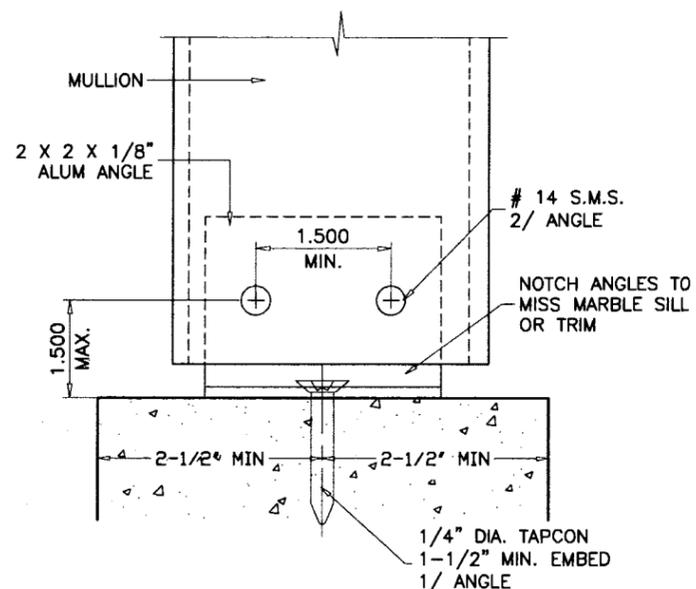
ACCESS HOLE  
#14 S.M.S.  
2/ ANGLE (CHART A & B1)  
3/ ANGLE (CHART B2 & C)



THIS SCREW CAN BE INSTALLED IN EITHER DIRECTION

#14 F.H. S.M.S.  
2/ ANGLE (CHART A & B1)  
3/ ANGLE (CHART B2)  
4/ ANGLE (CHART C)

**ANCHORS TYPE 'B1'**



**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 GOPI GLASS  
MUST SUSTAIN LOADS IMPOSED.

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

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Expiration Date MARCH 28, 2012  
By *Manuel Pese*  
Miami Dade Product Control  
Division

FEB 20 2008

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
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TEL. (305) 264-8100 FAX. (305) 262-6978  
MULLION\M95-16GG

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D	03.29.07	ANCHOR TYPE B REV.

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chk. by:  
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**M95-16**  
sheet 4 of 4