



**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

**CGI Windows & Doors
10100 NW 25 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: Clipped Aluminum Tube Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. **M95-13A**, titled "Mullion Elevations and Details", sheets 1 through 5 of 5, dated 11/25/95 with revision D dated 03/27/08, 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 # **07-0312.02** 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. 08-0331.07
Expiration Date: March 28, 2013
Approval Date: May 8, 2008
Page 1**

CGI Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **M95-13A**, titled "Mullion Elevations and Details, sheets 1 through 5 of 5, dated 11/25/95 with revision D dated 03/27/08, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum casement windows mullied using a 1" x 2" x 1/8" aluminum tube mullion, prepared by Hurricane Testing Lab, Inc., Test Report No(s). **HTL-0080-0105-08**, dated 03/26/08 for specimens #1, & 2, 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, 1996, signed and sealed by Hector M. Medina, P.E. *(Submitted under NOA#02-123.06)*
3. Test reports on: 1) Large Missile Impact Test, Loading per PA 201-94 along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Hurricane Test Laboratory, Inc. Test Report No. **HTL-0080-0303-96**, dated 03/06/96, signed and sealed by Timothy S. Marshall, P.E. *(Submitted under NOA#02-123.06)*

C. CALCULATIONS

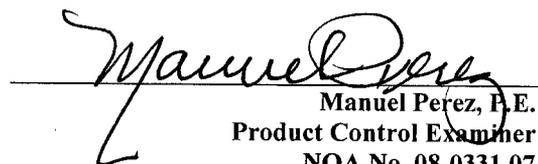
1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Al-Farooq Corporation, dated 03/27/08, signed and sealed by Humayoun Farooq, P.E.

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. 08-0331.07
Expiration Date: March 28, 2013
Approval Date: May 8, 2008

CGI Windows & Doors

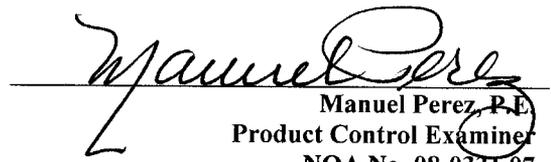
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

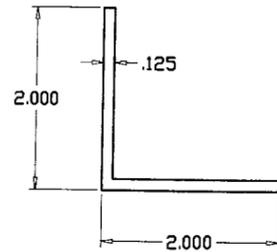
F. STATEMENTS

1. Statement letter of conformance, dated March 27, 2008, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated March 27, 2008, signed and sealed by Humayoun Farooq, P.E.

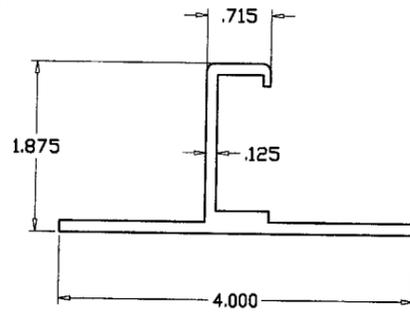
G. OTHER

1. Notice of Acceptance No. **07-0312.02**, issued to Construction Glass Industries for their Aluminum Tube Mullion – L.M.I., approved on 06/14/07 and expiring on 03/28/08.

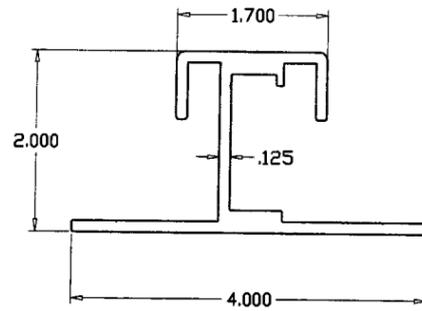

Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0331.07
Expiration Date: March 28, 2013
Approval Date: May 8, 2008



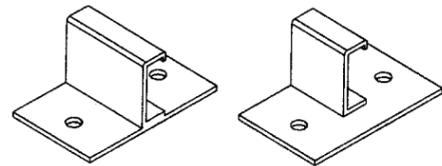
CLIP ANGLE
6063-T5



MULLION CLIP FOR 1BY TUBES
CGI-383
6063-T6
(ALT. TO 2 PIECE CLIP)



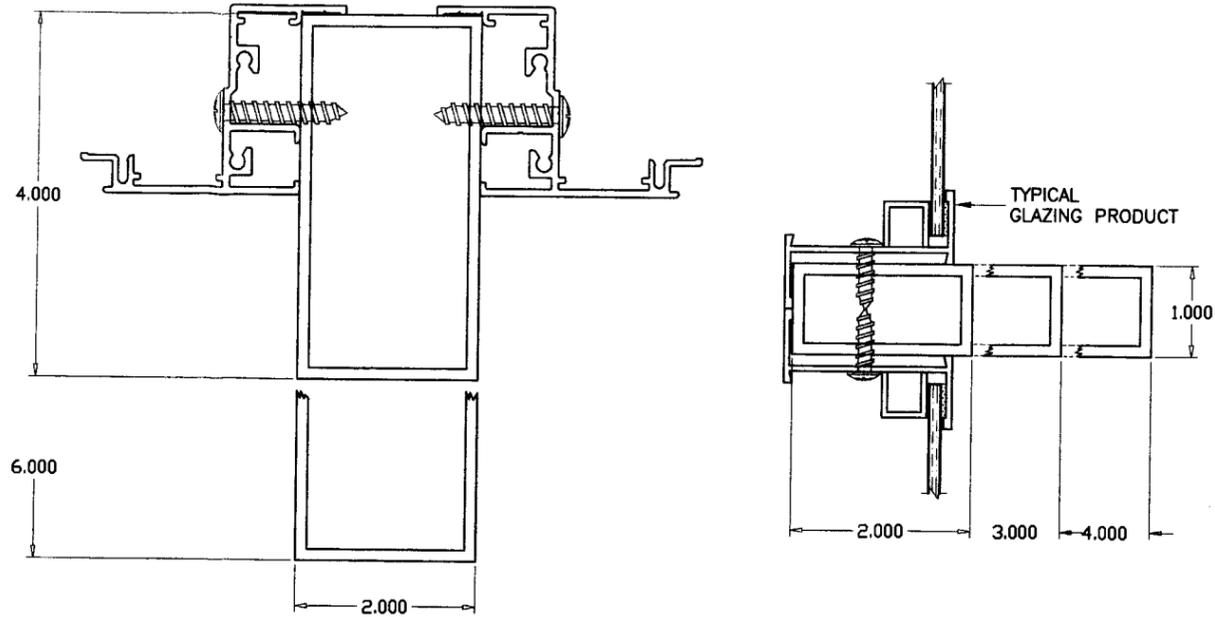
MULLION CLIP FOR 2BY TUBES
CGI-395
6063-T6
(ALT. TO 2 PIECE CLIP)



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.



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

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

ALL MULLIONS 6063-T6 MIN.

**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 FLORIDA BLDG. CODE SECTION 2003.8.4.

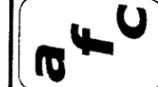
MULLION SYSTEM IS RATED FOR LARGE MISSILE IMPACT.
AND CAN BE USED WITH ALL MIAMI-DADE COUNTY APPROVED
IMPACT AND NON-IMPACT RESISTANT PRODUCTS.

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 08-0331.07
Expiration Date MARCH 28, 2013

MAR 27 2008

By *Manuel P...*
Miami Dade Product Control
Division



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

MULLION M95-13A-NEW

MULLION ELEVATIONS AND DETAILS

CGI WINDOWS & DOORS.

10100 NW 25 STREET
MIAMI, FL. 33172

FAX. (305) 593-6590

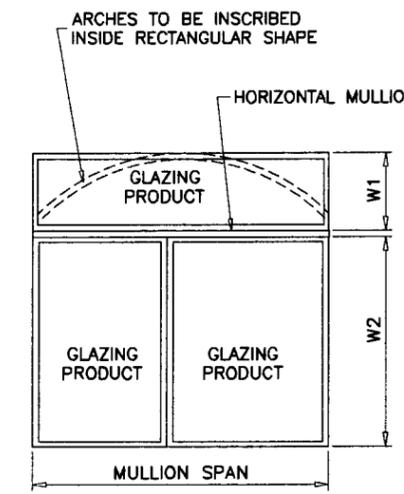
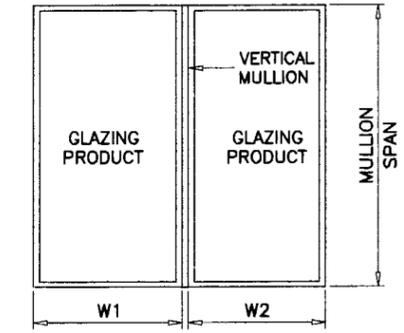
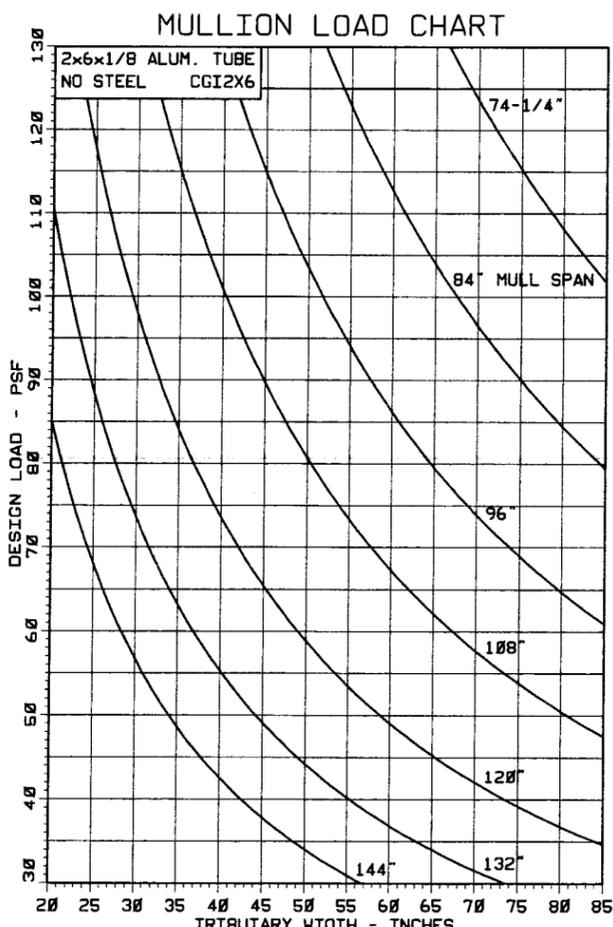
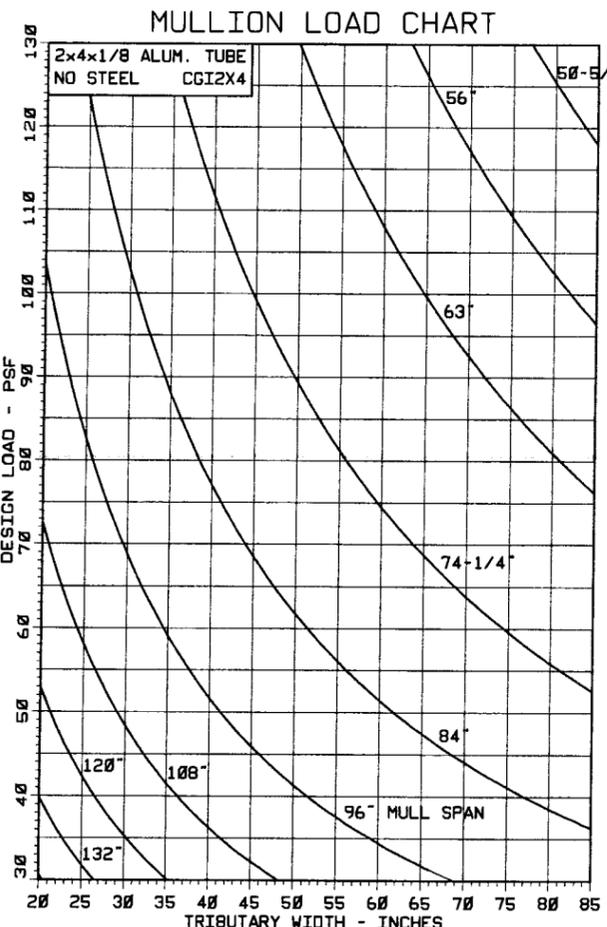
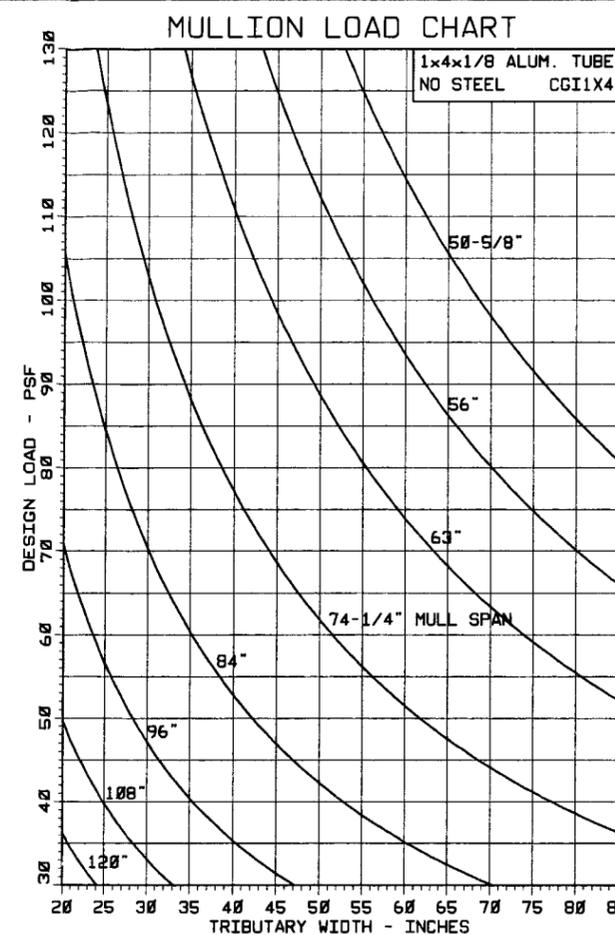
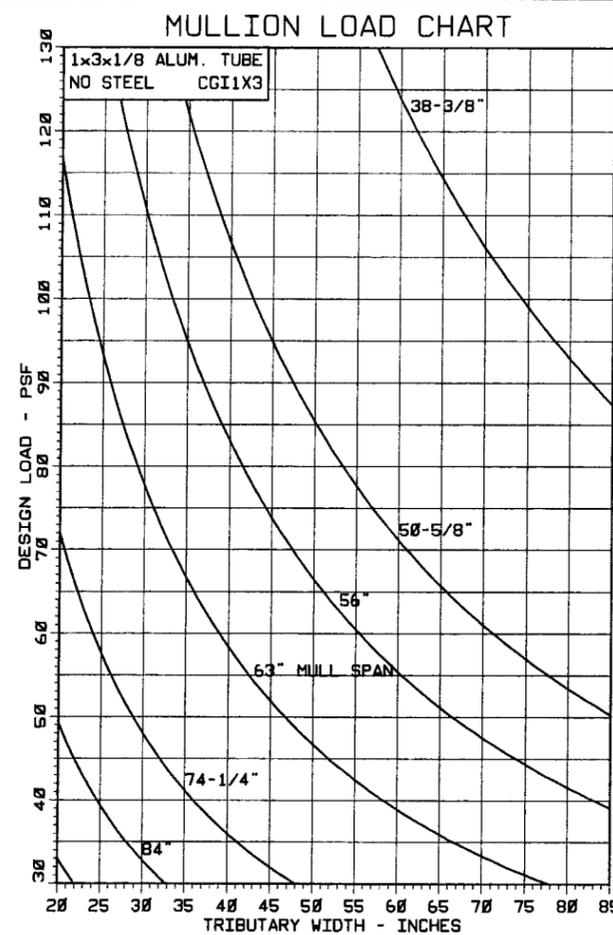
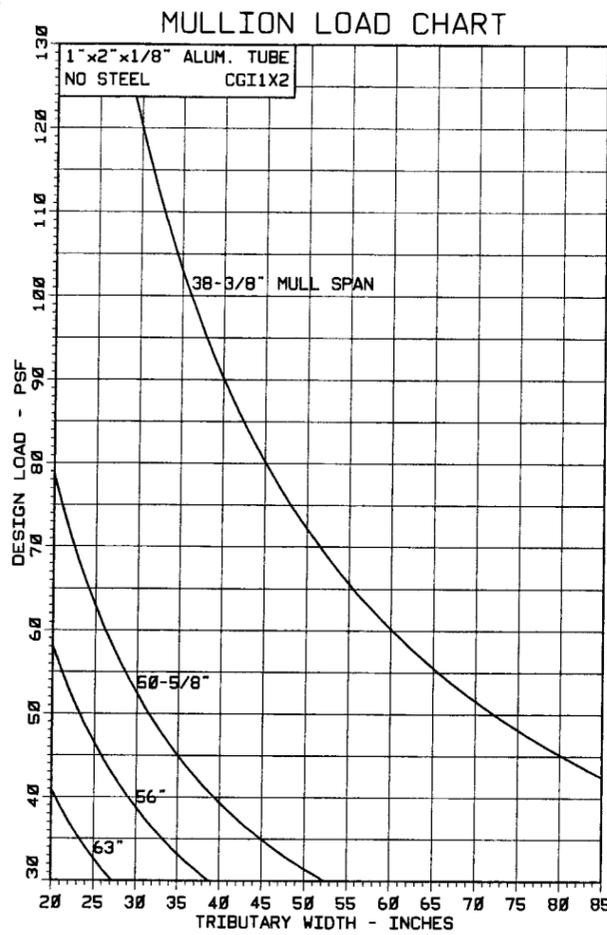
revisions:

date: 11-25-95

drawing no.

M95-13A

sheet 1 of 5



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

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

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. DB-0331.07
Expiration Date MARCH 22, 2013

by: *Manuel Pera*
Miami Code Product Control

MULLIONS

af c

AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION\M95-13A-NEW

MULLION ELEVATIONS AND DETAILS

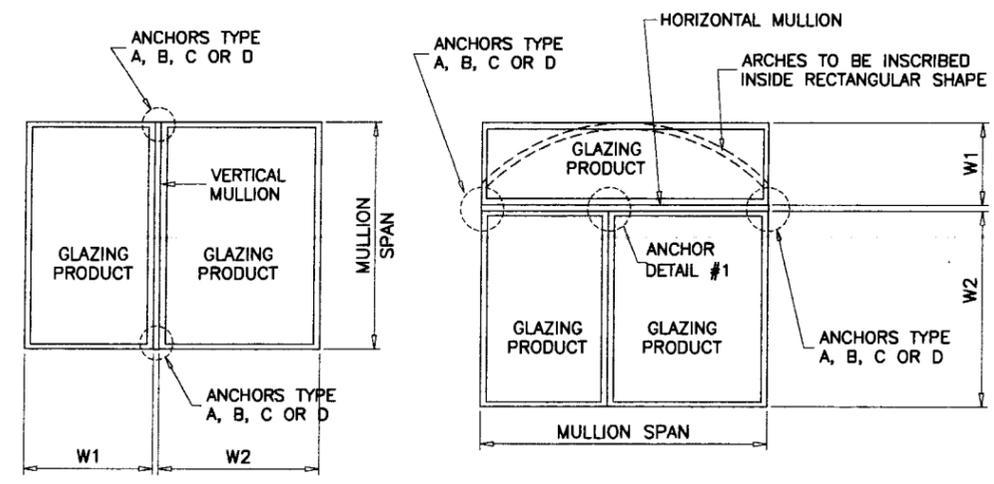
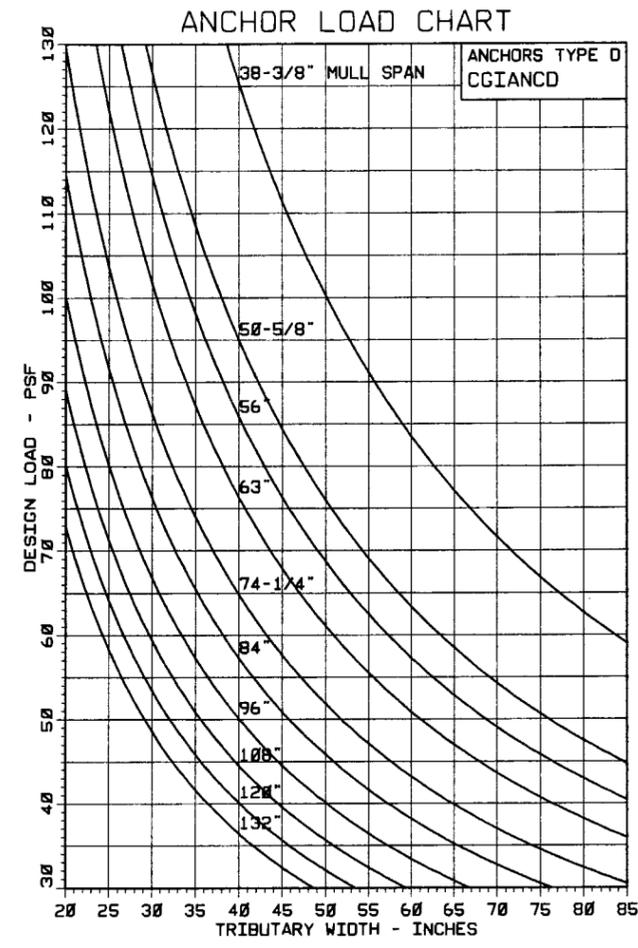
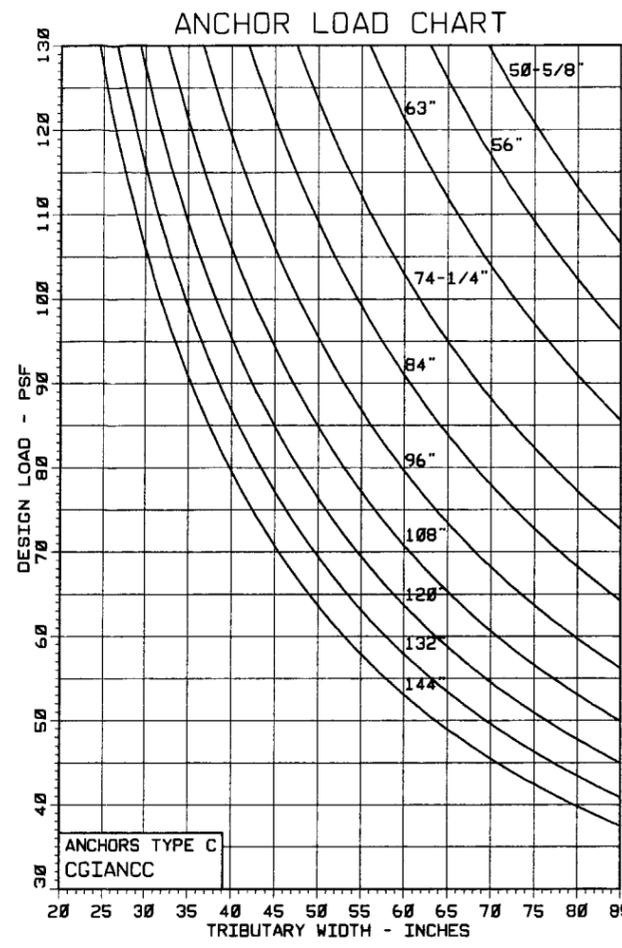
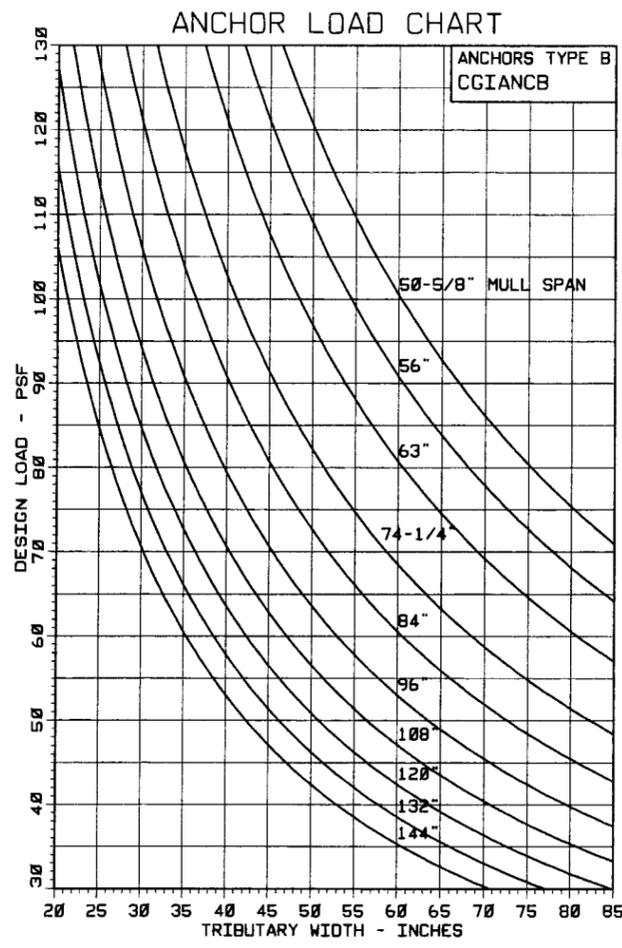
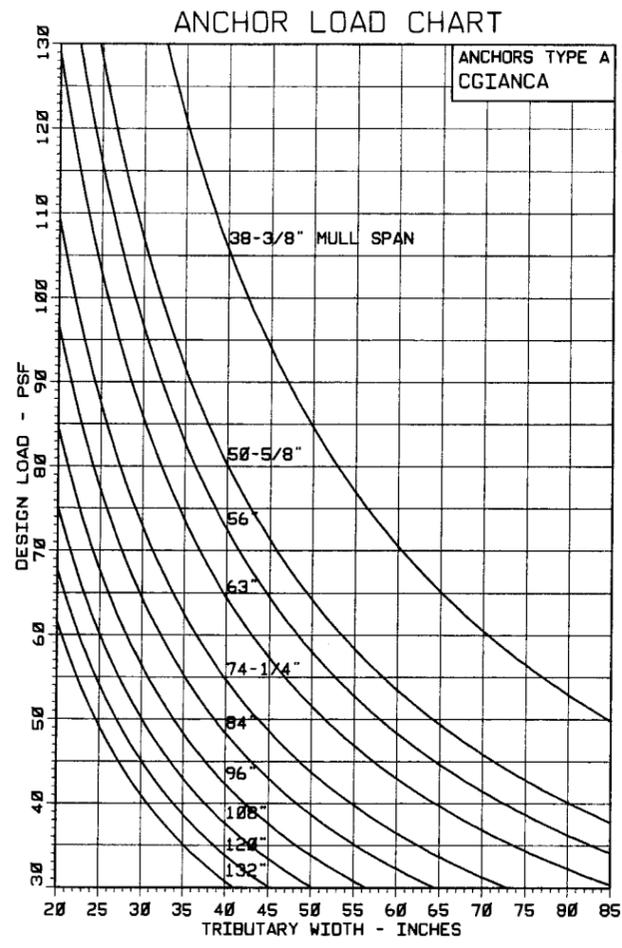
CGI WINDOWS & DOORS.
10100 NW 25 STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:	no	date	by	description
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date: 11-25-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
M95-13A

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

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **08-0331-07**
 Expiration Date **MARCH 28, 2013**

By *Manuel Perez*
 Miami Trade Product Control
 Division

MAR 27 2008

ANCHORS

MULLION ELEVATIONS AND DETAILS
CGI WINDOWS & DOORS.
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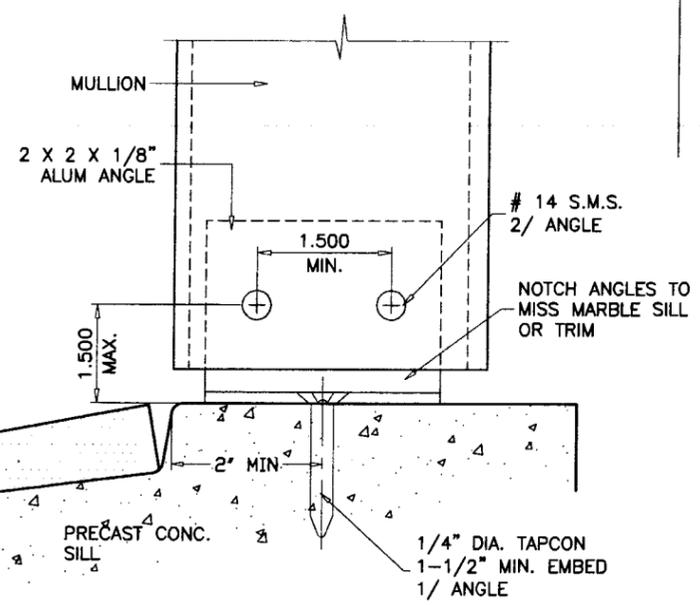
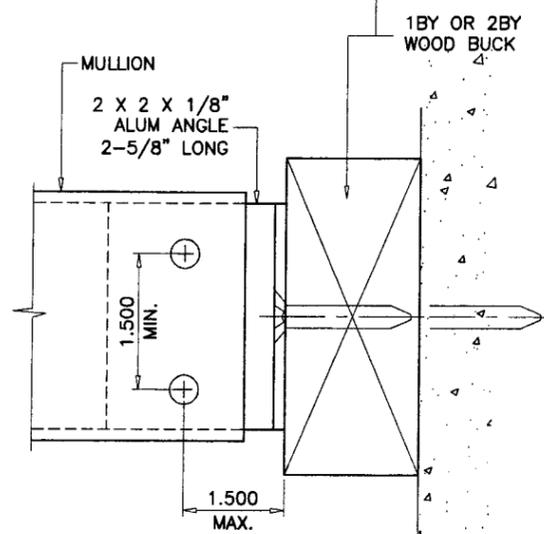
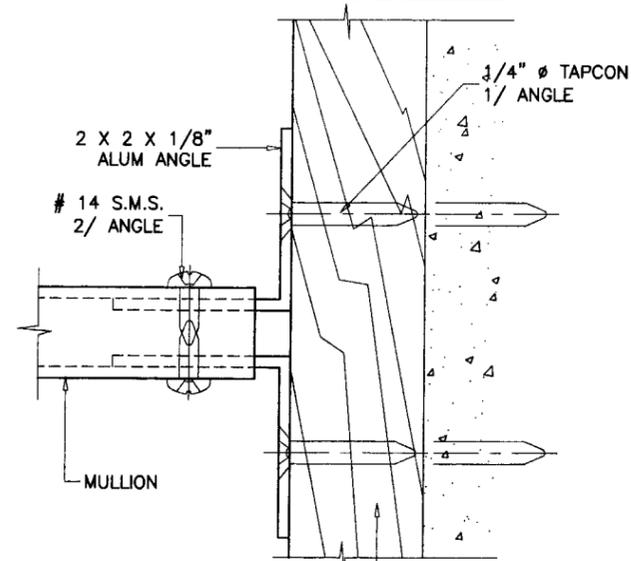
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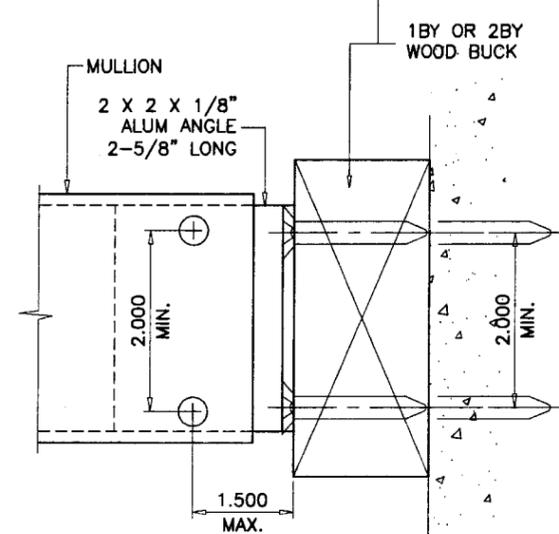
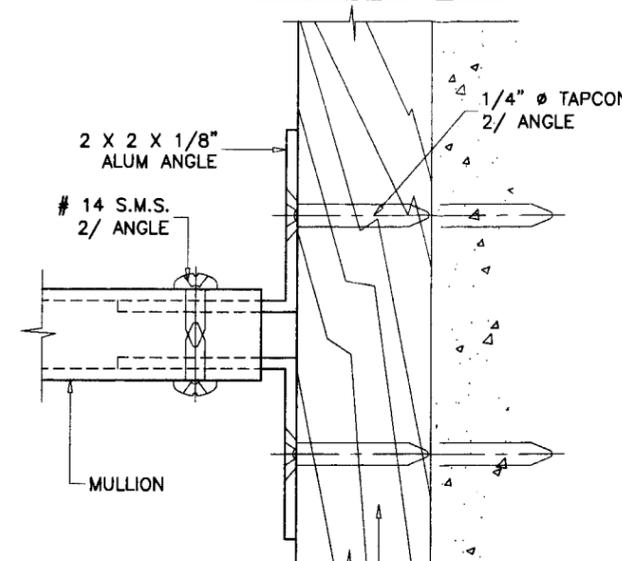
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M95-13A

sheet 3 of 5

ANCHORS TYPE 'A'



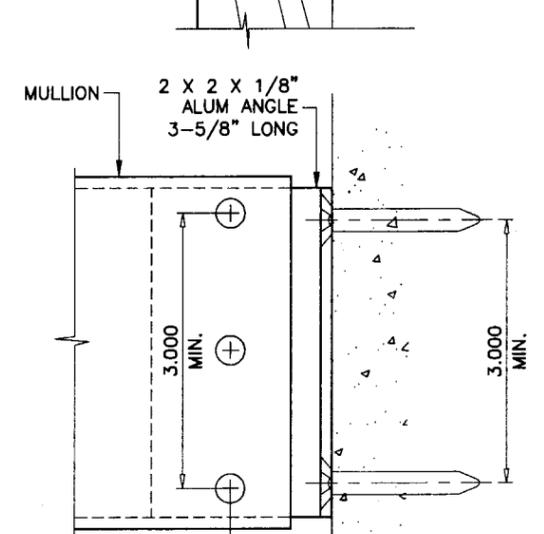
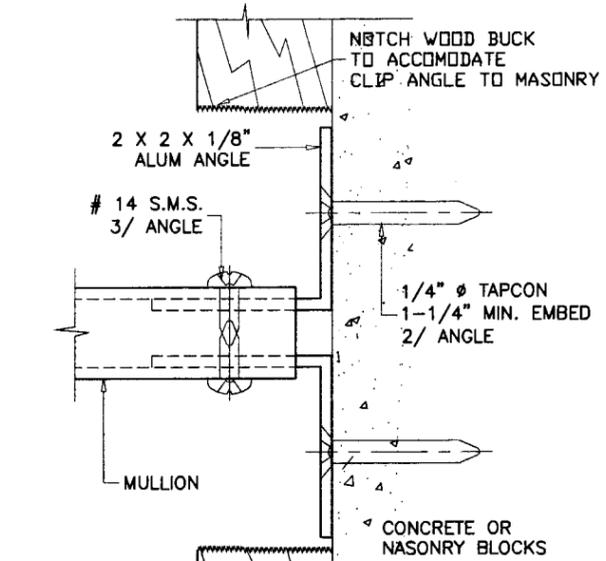
ANCHORS TYPE 'B'



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

MAR 27 2008

PRODUCT REVISED
 as complying with the Florida
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 Acceptance No. 08-0331.07
 Expiration Date MARCH 28, 2013

By: *Marcell Perez*
 Material/Product Control
 Division

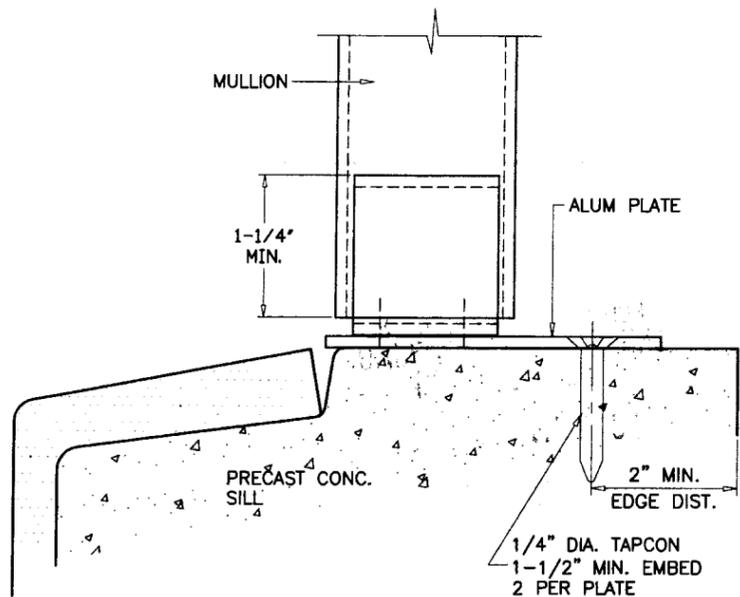
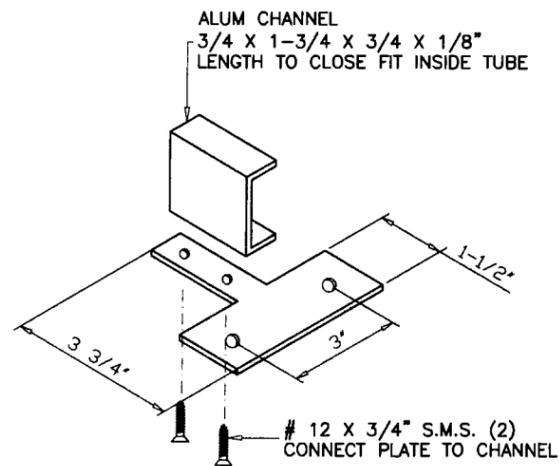
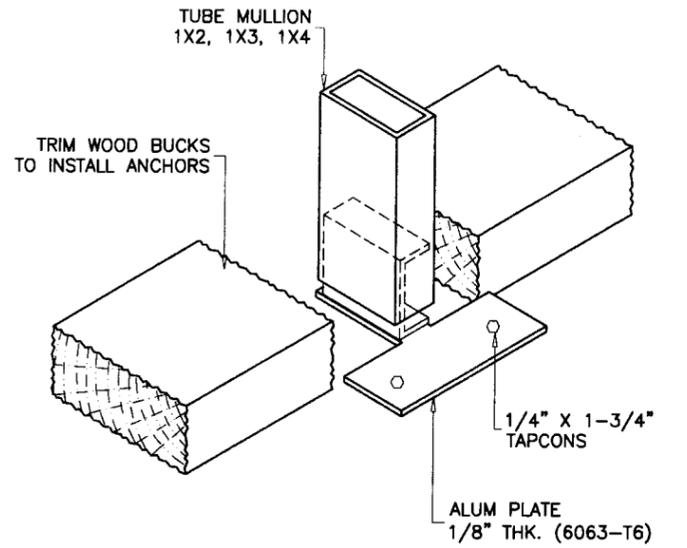
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AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
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 TEL. (305) 264-8100 FAX. (305) 262-6978
 MULLION M95-13A-NEW

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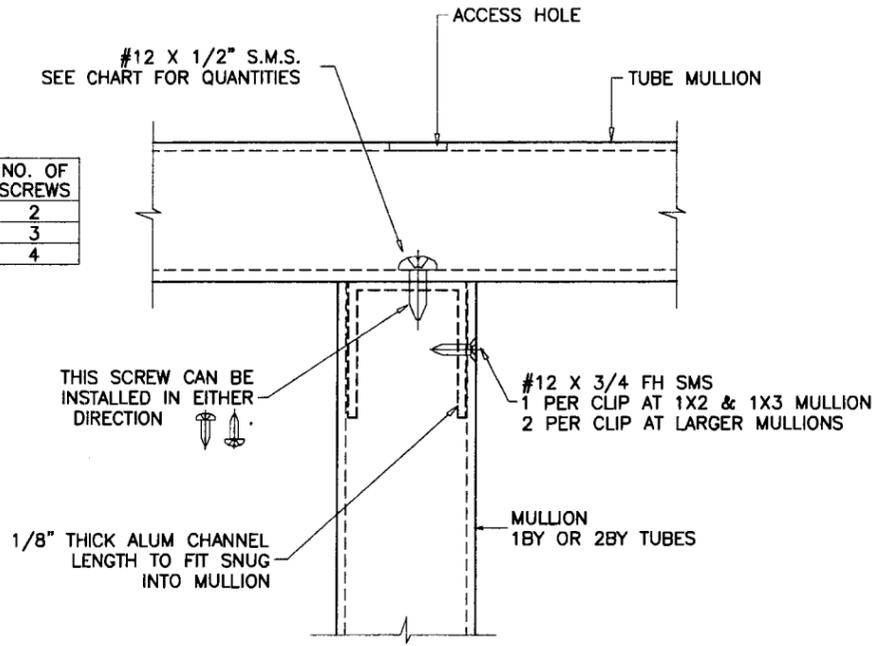
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date: 11-25-95
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 dr. by: HAMID
 chk. by:
 drawing no.
M95-13A
 sheet 4 of 5

ANCHORS TYPE 'D'



ANCHOR CHART	NO. OF SCREWS
TYPE A & D	2
TYPE B	3
TYPE C	4



ANCHORS DETAIL #1
METAL TO METAL CONNECTION

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

PRODUCT REVISED
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Expiration Date MARCH 28, 2013

By *Maurel Rose*
Miami Dade Product Control
Division

MAR 27 2008

af c

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MULLION\M95-13A-NEW

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revisions:	no	date	by	description
	D	03.27.08		DETAIL 1 ADDED

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

drawing no.
M95-13A

sheet 5 of 5