



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Weather Shield Manufacturing, Inc.
1 Weather Shield Plaza (P.O. Box 309)
Medford ,WI 54451

Your application for Notice of Acceptance (NOA) of:

Aluminum Tube Mullions with Steel Reinforcement - Impact & Non-Impact Resistant

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 00-0802.01
EXPIRES: 07/17/2003

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 11/02/2000

Weather Shield Manufacturing, Inc

ACCEPTANCE No. : 00-0802.01

APPROVED : NOV 0 2 2000

EXPIRES : July 17, 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 98-1110.08, which was issued on May 13, 1999. It approves a structural mullion system, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The **Aluminum Tube Mullions with Steel Reinforcement – Impact & Non-Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No. **M96-06**, titled “Mullion Details”, prepared by Al-Farooq Corporation, dated May, 12, 1996, with revision B dated March 03, 1999, Sheets 1 through 3 of 3, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to structural mullions to be installed vertically or horizontally, as shown in the approved drawings.

3.2 For Design Pressure Rating vs. Mullion size, Span, Tributary width, and Anchor type, see "Mullion Load" and "Anchor Load" charts in approved drawings.

3.3 Both mullion (size and span), as well as anchor (type) selected design pressure rating, per load charts, must each meet or exceed the pressure requirement for the opening in which it is to be installed.

3.4 Mullions are to be used only to support ***Weather Shield Manufacturing, Inc.*** windows and doors, with a current Notice of Acceptance.

4. INSTALLATION

4.1 The structural mullion system and its components shall be installed in strict compliance with the approved drawings.

4.2 This mullion **can** be installed as part of an impact resistant unit.

5. LABELING

5.1 Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

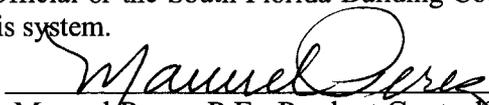
6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 The Notice of Acceptance of each window or door to be attached to the mullion.

6.1.4 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E., Product Control Examiner
Product Control Division

Weather Shield Manufacturing, Inc

ACCEPTANCE No. : 00-0802.01

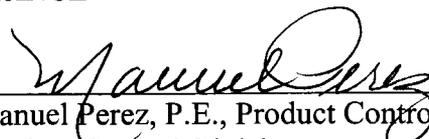
APPROVED : NOV 02 2000

EXPIRES : July 17, 2003

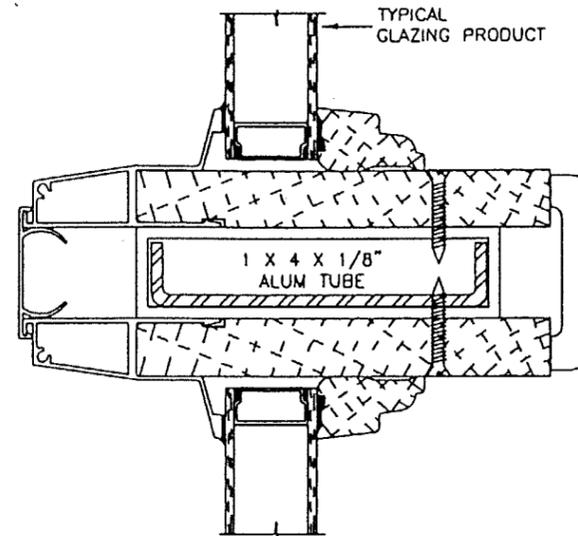
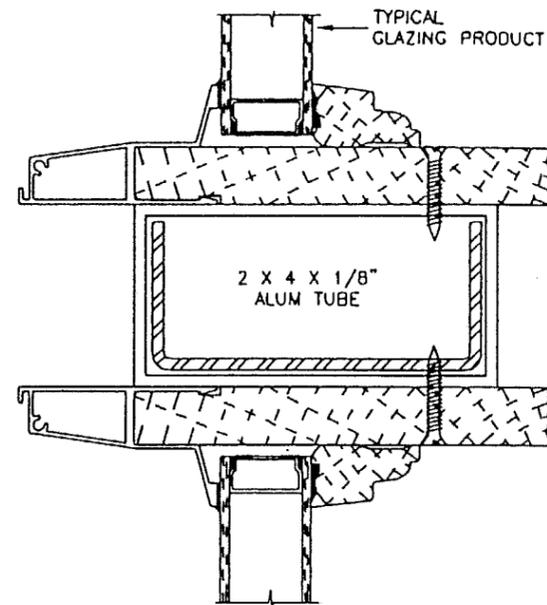
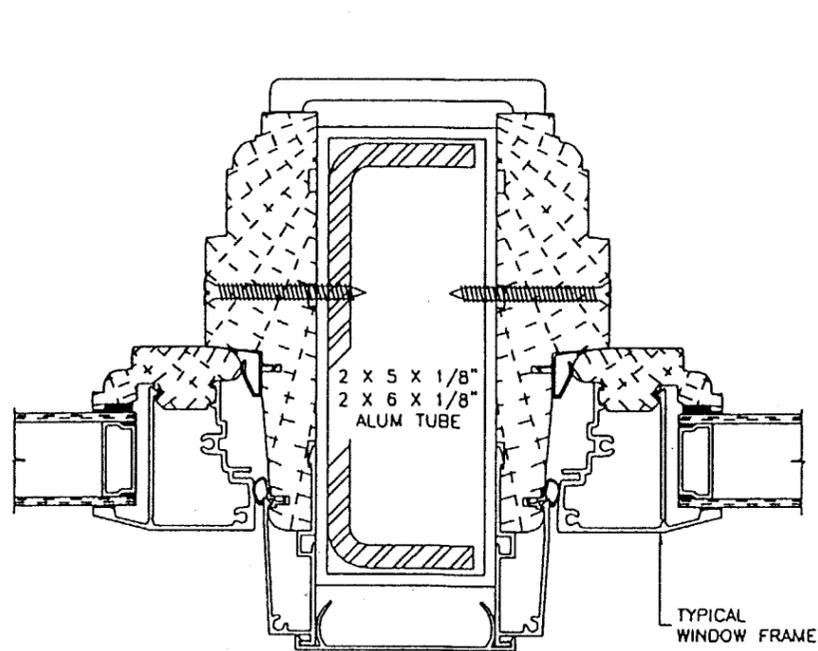
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approval", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



Manuel Perez, P.E., Product Control Examiner
Product Control Division

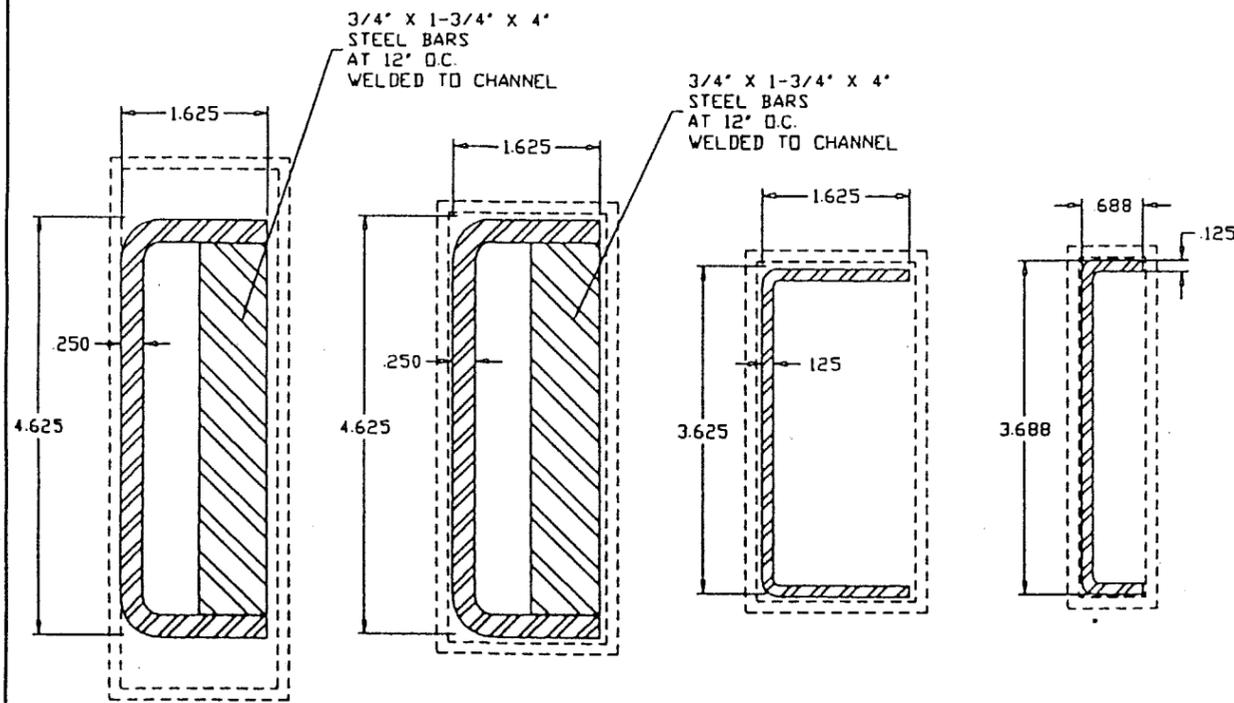


**MULLIONS WITH STEEL REINFORCEMENTS
CONTAINING TYPICAL GLAZING PRODUCTS (IMPACT/NON-IMPACT)
HORIZONTAL OR VERTICAL**

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *November 02, 2000*
BY *Manuel Serriz*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0802-01*

FOR IMPACT AND NON-IMPACT GLASS APPLICATIONS



STEEL REINFORCEMENTS

**RECTANGULAR MULLIONS WITH STEEL INSERTS
USING PROPERTIES FOR STEEL & ALUM TUBES.**

NOTES:

1. ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE DADE COUNTY REQUIREMENTS I.E. WIND LOAD, AIR & WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.
2. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC)
3. ANY CONDITIONS NOT COVERED IN THIS SUBMITTAL SUBJECT TO SEPARATE ENGINEERING REVIEW.
4. ALL MULLIONS TO BE ALLOY 6063-T5.
5. ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED.

INSTRUCTIONS:

USE CHARTS AND GRAPHS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7-88, 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** SPECIFY MAXIMUM SHIM SPACING
- STEP 5** USING GRAPHS ON SHEET 2 SELECT MULLION SIZE WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 6** USING ANCHOR TYPES ON SHEET 3, AND ANCHOR GRAPHS ON SHEET 2, SELECT ANCHOR TYPE WITH DESIGN RATING MORE THAN THE DESIGN LOADS SPECIFIED IN STEP 1 ABOVE.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

APR 14 1999

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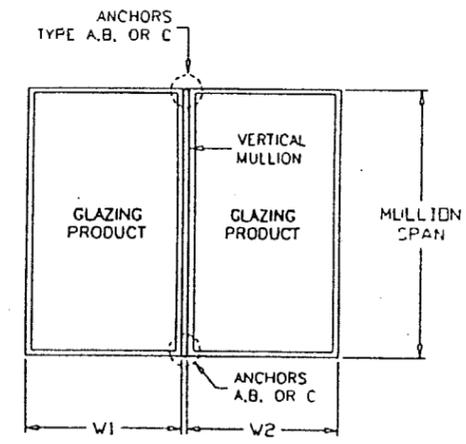
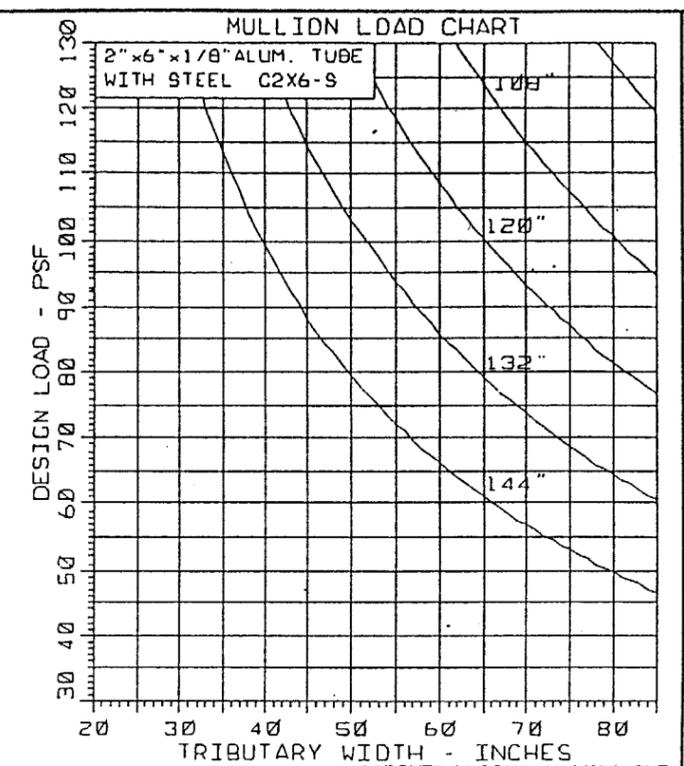
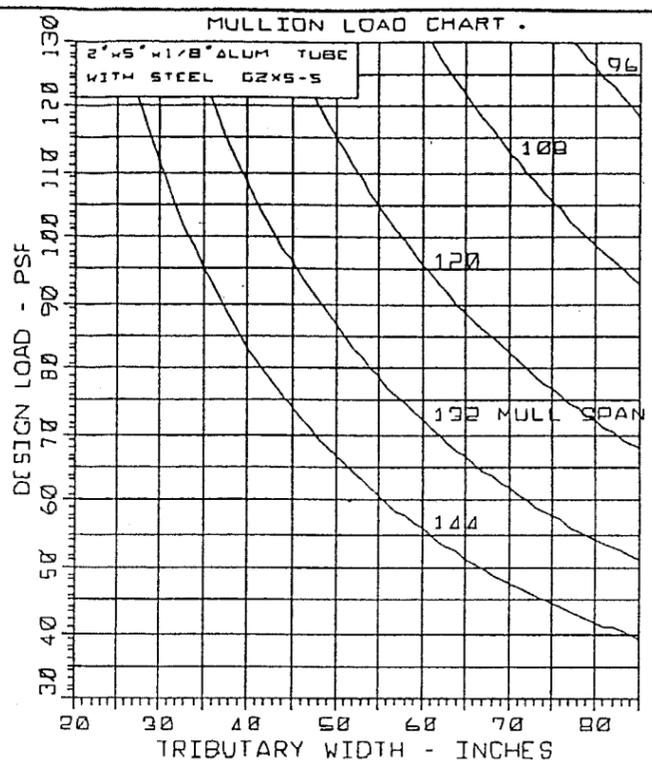
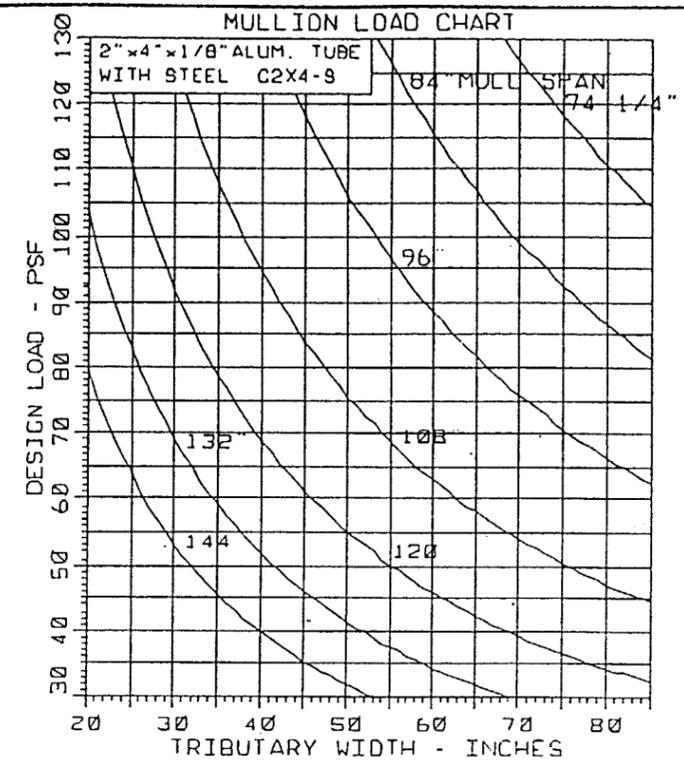
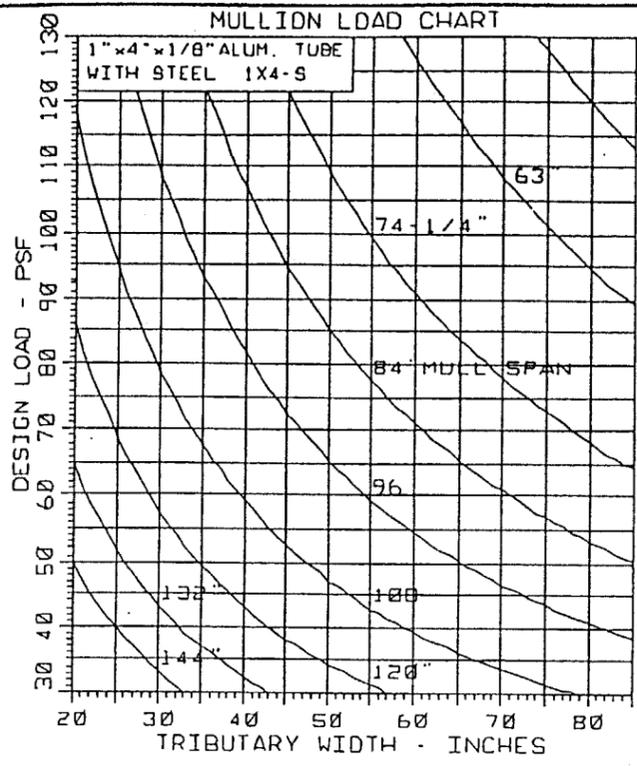
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT TESTING
1235 SW 87 AVE
MIAMI, FLORIDA 33174
(305) 264-8100
MULLION\M96-05WS

MULLION DETAILS
WEATHER SHIELD WINDOWS & DOORS
MEDFORD, WISCONSIN. 54451
(715) 748-2100

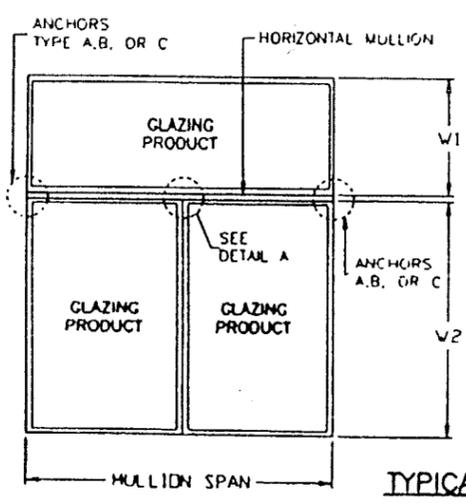
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B	03.03.99	H	STEEL REIN. REV.

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design by:
drawn by: HAHAD
checked by:

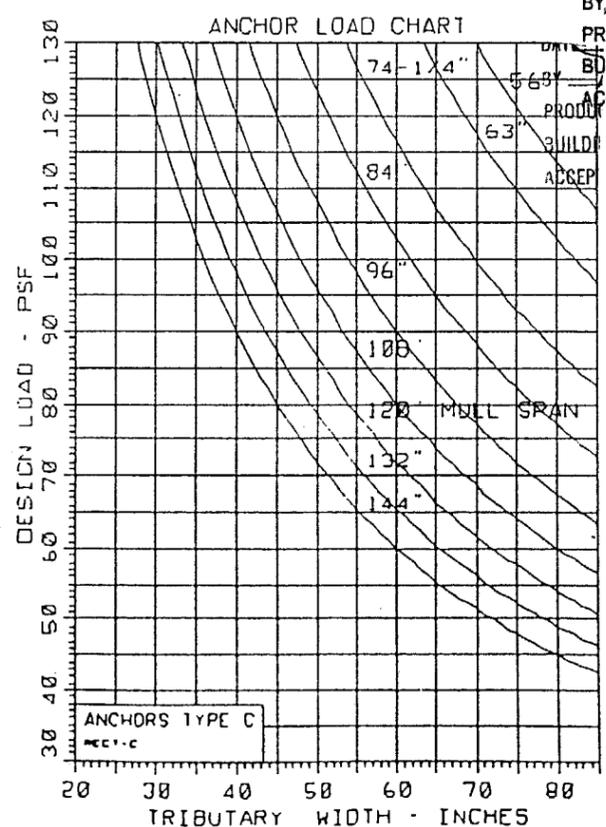
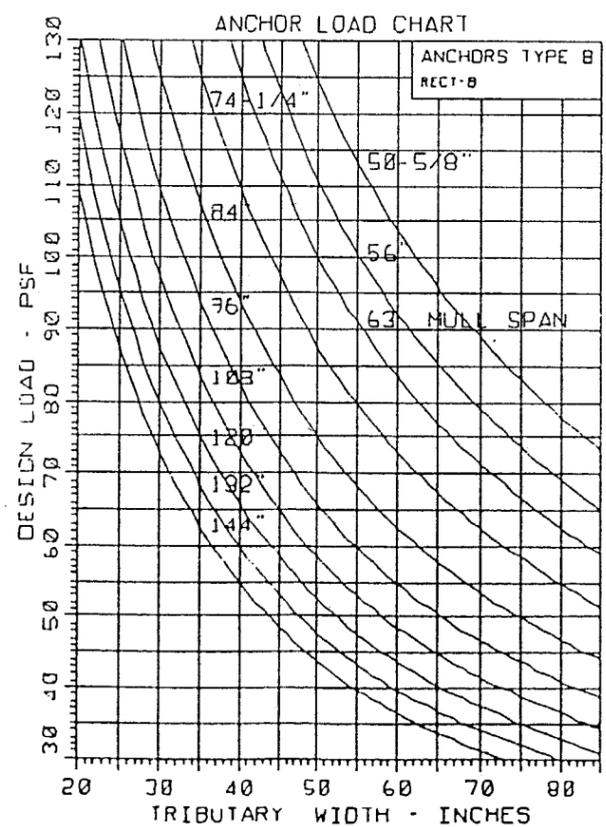
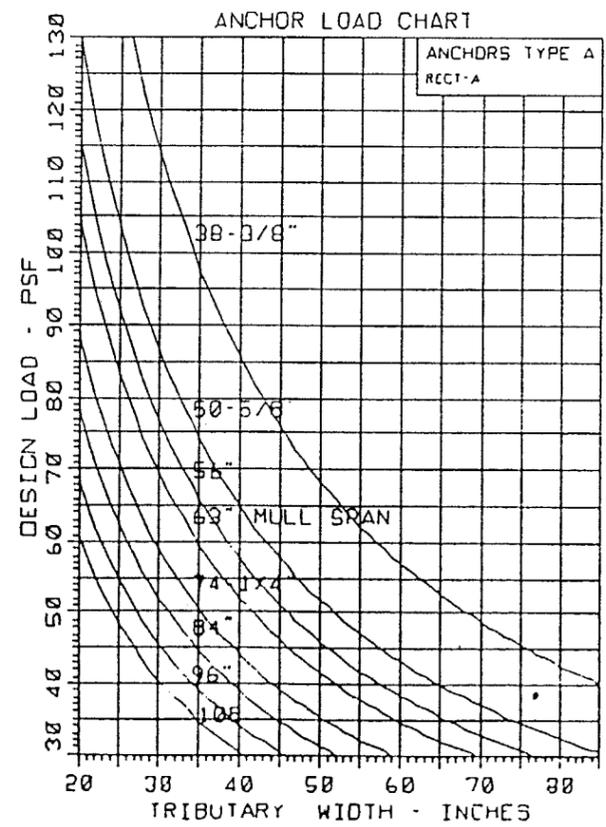
drawing no.
M96-06
sheet 1 of 3



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



TYPICAL MULLION ARRANGEMENTS



FOR ANCHORS DESCRIPTION SEE SHEET 3 OF 3.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE November 02, 2000
BY Mamun Siraj
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0802.01

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AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT TESTING
1235 SW 87 AVE
MIAMI, FLORIDA 33174
(305) 264-8100
MULLION\M96-05WS

MULLION DETAILS
WEATHER SHIELD WINDOWS & DOORS
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(715) 748-2100

no	date	by	description

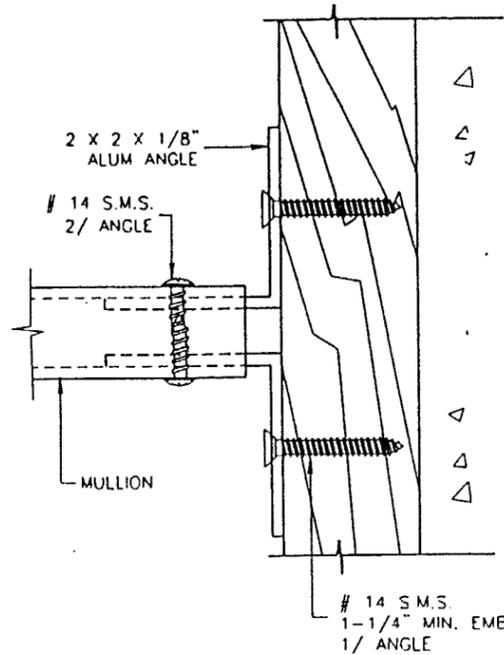
Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

APR 14 1999

date 03-17-98	draw 1/2 - 1	design by	check by
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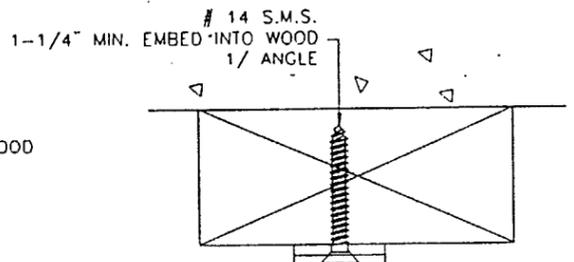
drawing no.
M96-06
sheet 2 of 3

ANCHORS TYPE 'A'

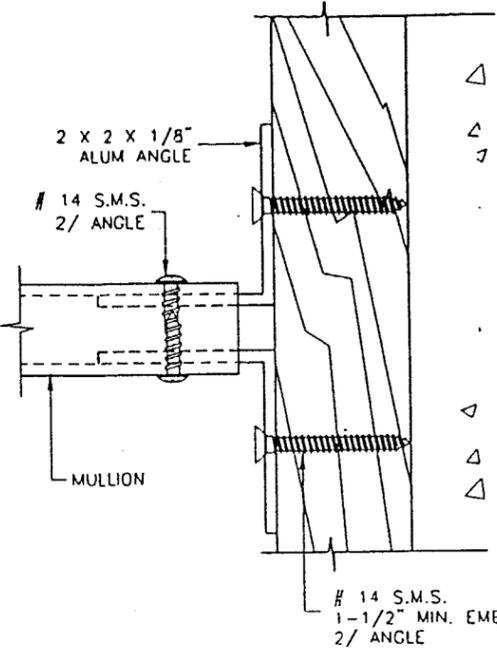


WOOD BUCKS NOT BY WEATHER SHIELD
MUST SUSTAIN LOADS IMPOSED.

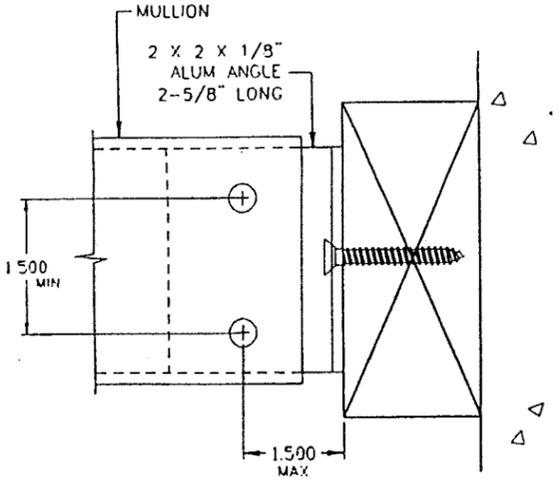
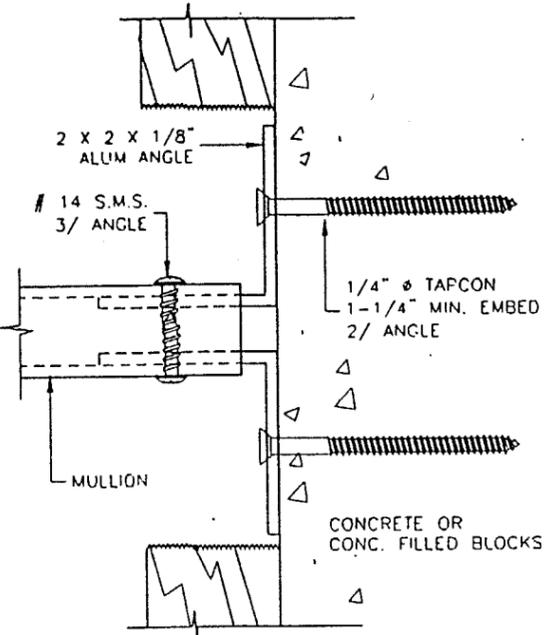
ALTERNATE TO ANCHOR TYPE 'A'
APPLICABLE AT TOP OR BOTTOM OF MULLION



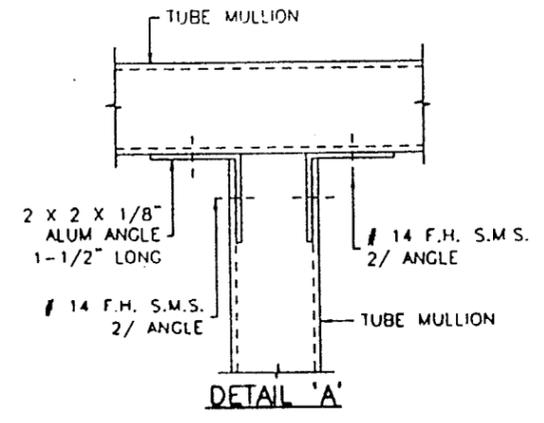
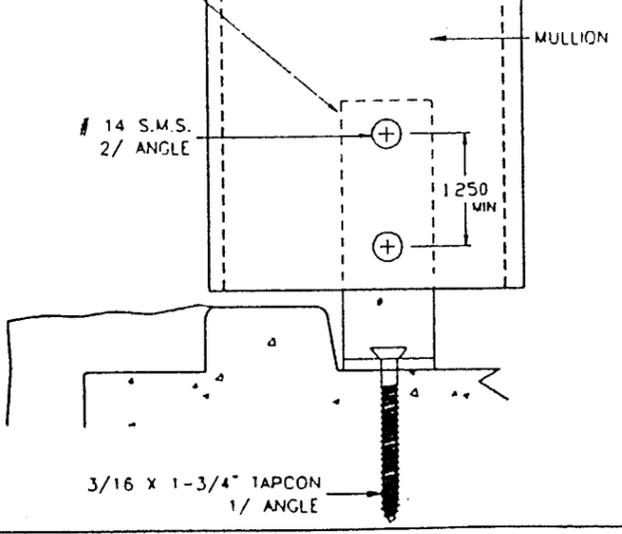
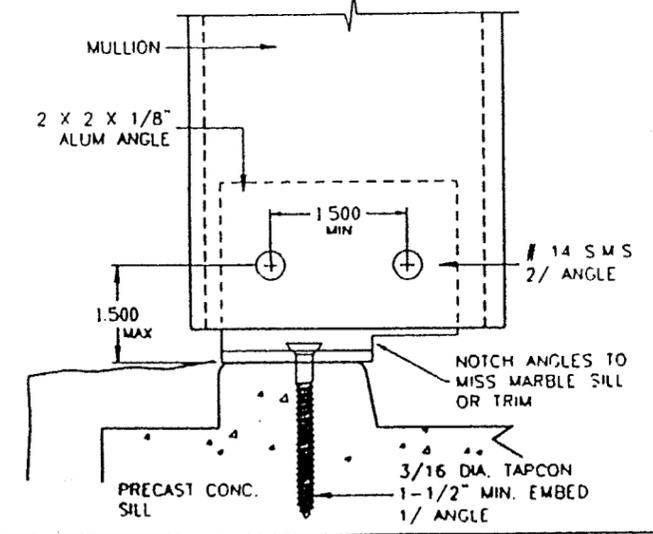
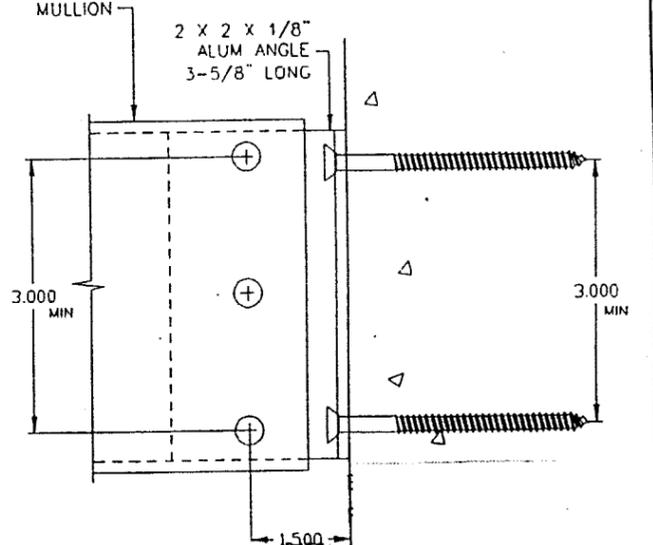
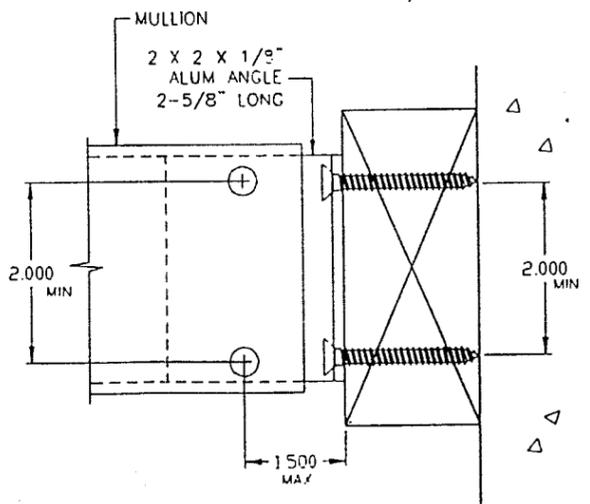
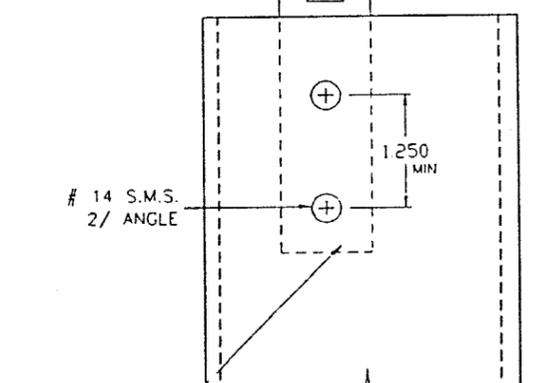
ANCHORS TYPE 'B'



ANCHORS TYPE 'C'



2 X 3 X 1/8" ALUM ANGLE 1" WIDE
EACH SIDE OF MULLION



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *November 02, 2000*
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0802.01*

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

APR 14 1999

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MULLION DETAILS
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no.	date	description

date: 09-12-98
scale: 1/2" = 1"
design by:
drawn by: HAMD
checked by:

drawing no.
M96-06
sheet 3 of 3