



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

Caradco Windows & Doors
201 Evans Road
Rantoul, IL 61866

Your application for Notice of Acceptance (NOA) of:

All Purpose Structural Clipped Mullion I Band IVB

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.

ACCEPTANCE NO.: 01-1206.01
EXPIRES: 12/07/2006

Raul Rodriguez
Chief Product Control Division

**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: 01/03/2002

APPROVED: January 3, 2002

EXPIRES: December 7, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** Notice of Acceptance (NOA) No. **99-0316.08**, which was issued on July 1, 1999. It renews the approval of a structural mullion system, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 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 **Series "All-Purpose" Structural Clipped Mullion "1B" & "1VB" – Impact Resistant** and its components shall be constructed in strict compliance with the following document: Drawing No **M98-05**, Sheets 1 through 6 of 6, titled "All-Purpose Structural Mullion," prepared by Al Farooq Corporation, dated 12/1/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies only to structural mullions to be installed vertically or horizontally, to support Caradco "CarClad" Windows to include Awning, Casement or Fixed Picture Windows and Half Round or Rectangular Fixed units, with a current Notice of Acceptance, installed as shown in approved drawings.

3.2 For Design Pressure Rating vs. Mullion length, see "Mullion Capacity" chart or graph for the corresponding configuration, mullion must meet or exceed the pressure requirement for the opening in which it is to be installed.

4. INSTALLATION

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

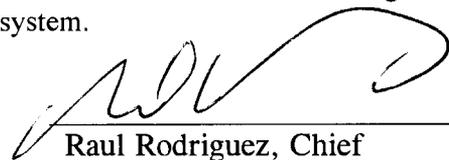
6. BUILDING PERMIT REQUIREMENTS

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 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.



Raul Rodriguez, Chief
Product Control Division

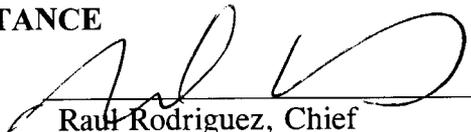
APPROVED: January 3, 2002

EXPIRES: December 7, 2006

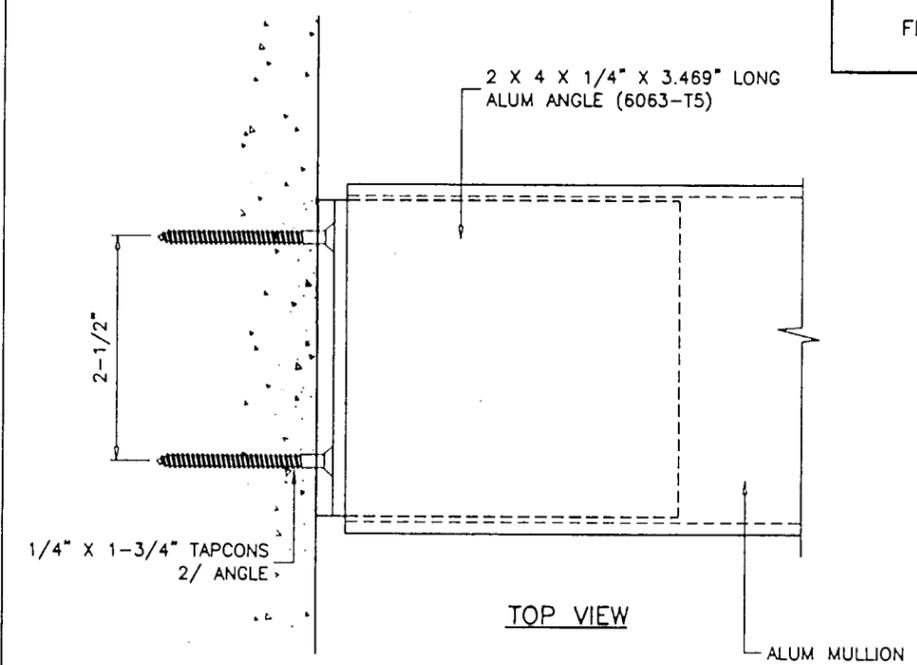
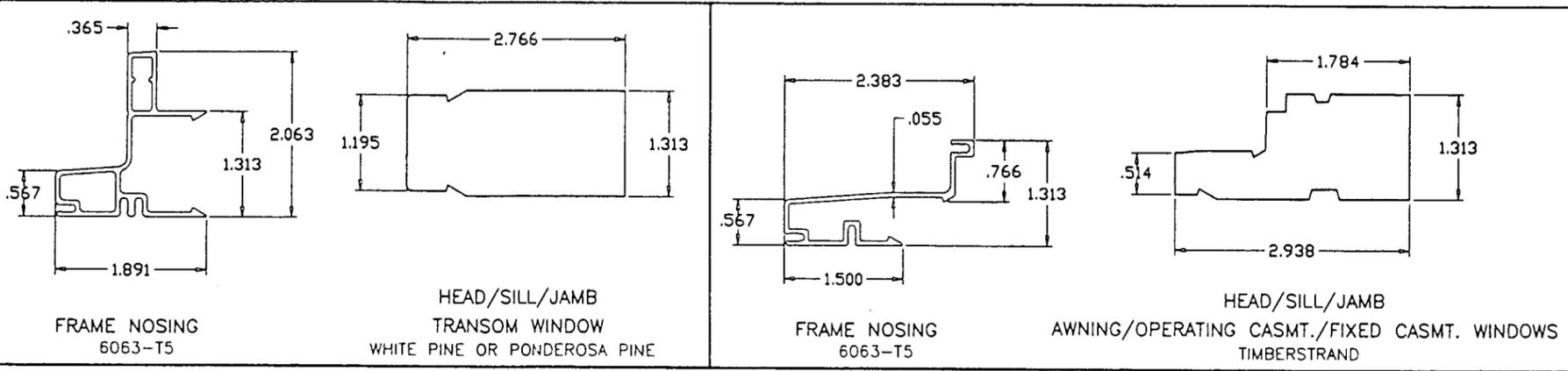
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, 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 Approved", 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 purpose.
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



Raul Rodriguez, Chief
Product Control Division

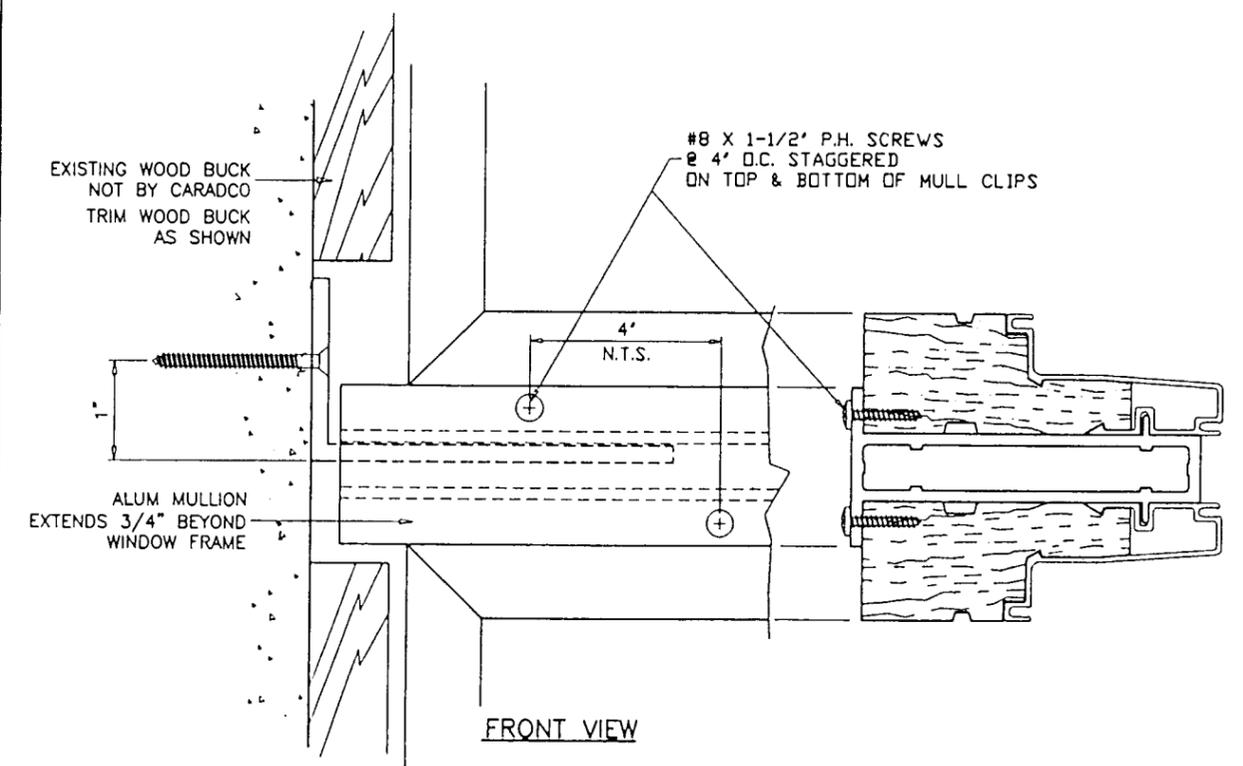
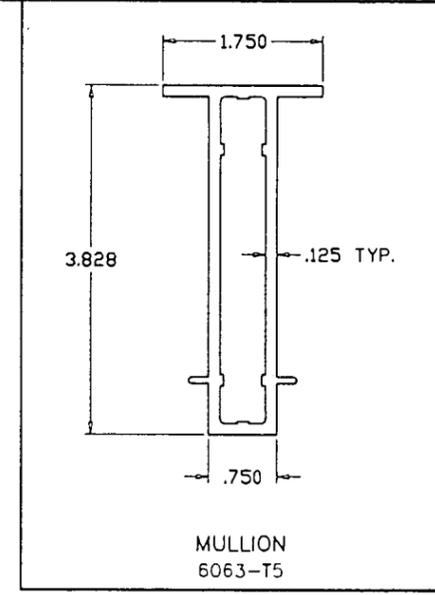


INSTRUCTIONS:

USE MULLION/ANCHOR LOAD CHART AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED FOR PARTICULAR OPENING.
- STEP 2** USE DADE COUNTY APPROVED GLAZING PRODUCTS MEETING ABOVE LOAD REQUIREMENTS, FOR WINDOWS WINDOW ANCHORS, VERT. MULLION AND MULLION ANCHORS.
- STEP 3** USING MULLION LOAD CHART DETERMINE MULLION CAPACITY WHICH MUST EXCEED THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

PRODUCTS USED WITH THIS N.O.A. TO SUPPORT ONLY CARADCO 'CAR CLAD' WINDOWS WITH A CURRENT NOTICE OF ACCEPTANCE. WINDOWS INCLUDE AWNING, OPERATING CASEMENT, FIXED CASEMENT AND FIXED PICTURE WINDOWS (ARCH OR RECTANGULAR TYPE).



THESE MULLIONS ARE RATED FOR LARGE MISSILE IMPACT

VERTICAL/HORIZONTAL STRUCTURAL ALUMINUM MULLION SYSTEM WINDOW FRAME MEMBERS INCLUDED IN PROPERTIES

NOTES:

- 1. GLAZING PRODUCTS USED WITH THIS MULLION MUST MEET THE APPLICABLE DADE COUNTY REQUIREMENTS I.E. WIND LOAD, AIR & WATER INFILTRATION, 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.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE July 01 1999
 BY *Mahmud*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0316.08

PRODUCT RENEWED

ACCEPTANCE No. 01-1206.01
 EXPIRATION DATE December 7, 2006
 By *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

Engr: DR. HUMAYDUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 JUN 14 1999

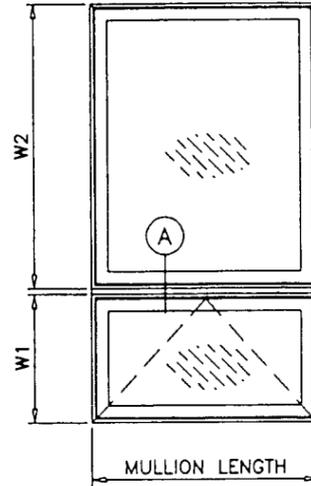
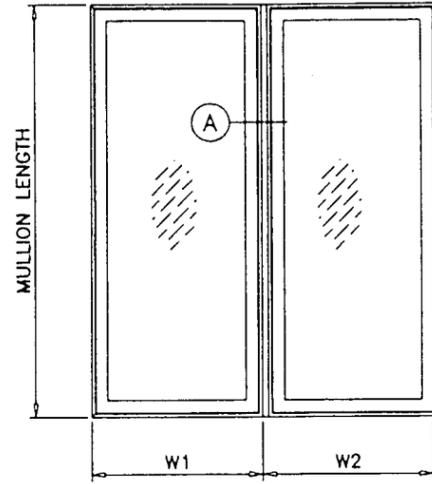
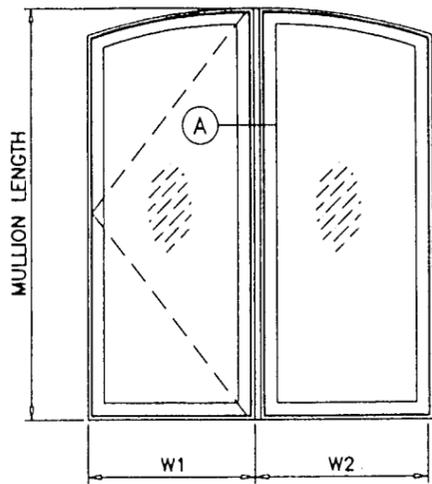
afc

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-6978
 MULLION\M98-05CO

ALL PURPOSE STRUCTURAL MULLION
 CARADCO WOOD WINDOWS & PATIO DOORS
 201 EVANS ROAD
 RANTOUL, ILLINOIS 61866
 TEL (217) 893-4444 FAX (217) 893-0921

no	date	description

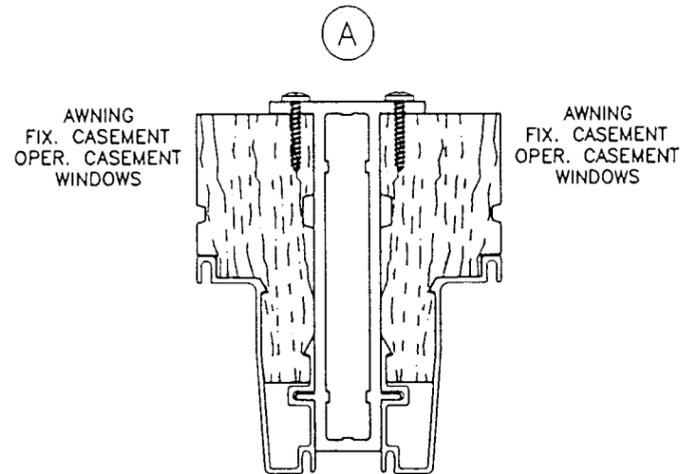
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 dr. by: HAMID
 chk. by:
 drawing no. M98-05
 sheet 1 of 6



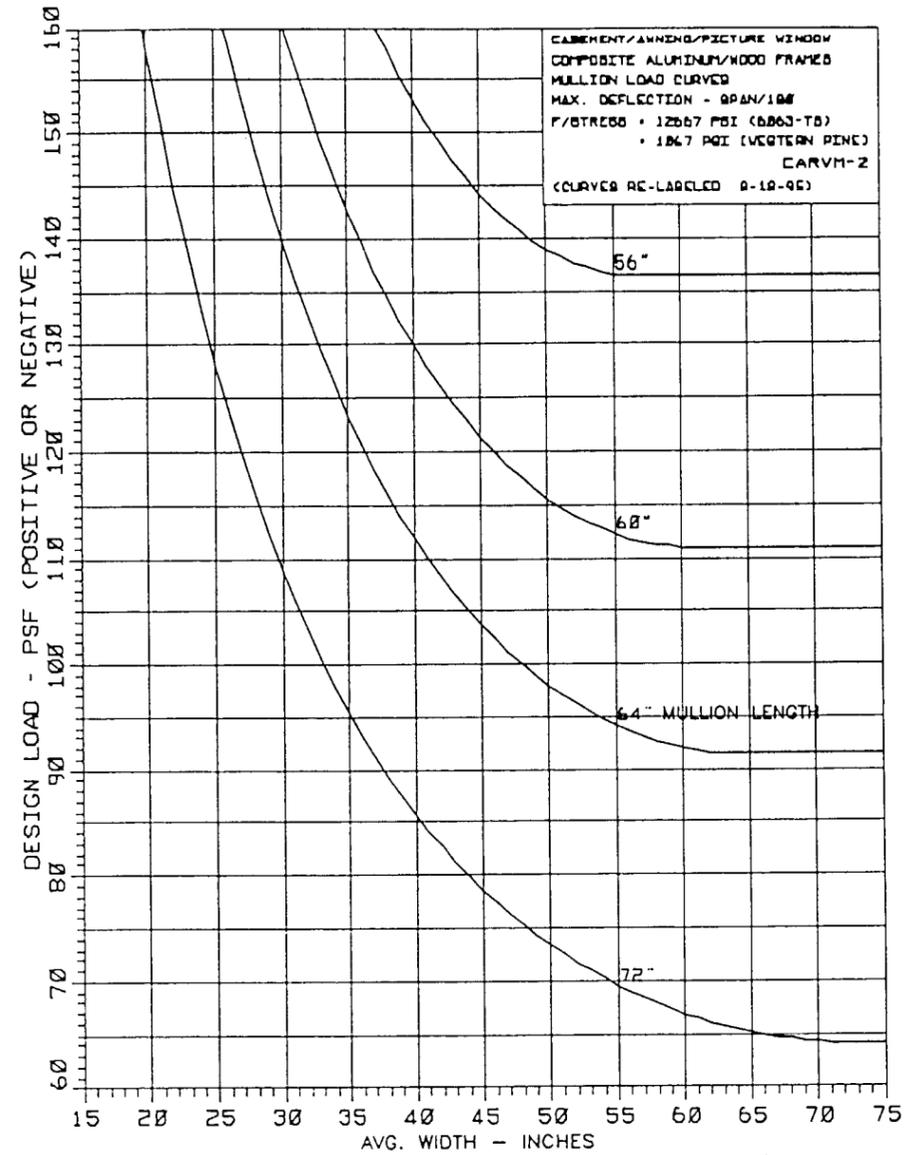
TYPICAL ELEVATIONS

SIDE/SIDE OR TOP/BOTTOM WINDOWS WITH MULLION IN BETWEEN
AWNING, OPERATING CASEMENT OR FIXED CASEMENT WINDOWS OR ANY COMBINATION THEREOF

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



EXTERIOR
VERTICAL OR HORIZONTAL SECTION



CASEMENT/AWNING/PICTURE WINDOW
COMPOSITE ALUMINUM/WOOD FRAMES
MULLION LOAD CURVES
MAX. DEFLECTION - SPAN/100
F/B STRESS - 12007 PSI (S&S3-T8)
- 1047 PSI (WESTERN PINE)
CARVM-2
(CURVES RE-LABELED 8-12-95)

PRODUCT RENEWED

ACCEPTANCE No. 01-1206.01

EXPIRATION DATE December 7, 2006

By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE July 01, 1999
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-0316-08

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557

JUN 14 1999

afc
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION\M98-05CO

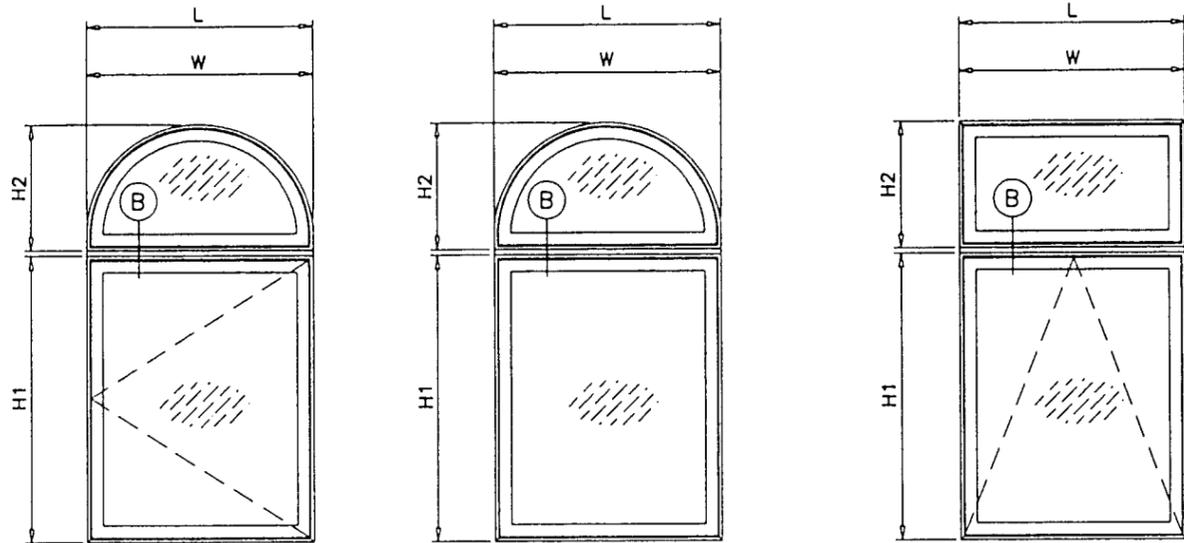
ALL PURPOSE STRUCTURAL MULLION
CARADCO WOOD WINDOWS & PATIO DOORS
201 EVANS ROAD
RANTOUL, ILLINOIS 61866
TEL. (217) 893-4444 FAX (217) 893-0921

revisions:	no	date	by	description

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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
M98-05

sheet 2 of 6

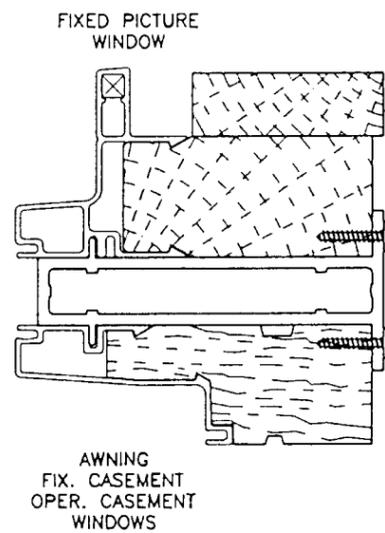


TYPICAL ELEVATIONS

AWNING, OPERATING CASEMENT OR FIXED CASEMENT WINDOWS WITH TRANSOM ABOVE

EXTERIOR

(B)



HORIZONTAL MULLION				
AWNING/OPERATING CASEMENT/FIXED CASEMENT WINDOWS WITH FIXED PICTURE WINDOW ABOVE				
WINDOW DIMENSIONS				MULLION CAPACITY
W	L	H1	H2	PSF
17'	17'	30'	10.5'	100.0
UPTO				
48'	48'	30'	26'	100.0
		36'		100.0
		48'		100.0
		60'		100.0
60'	60'	30'	32'	87.3
		36'		87.3
		48'		87.3
		60'		87.3
72'	72'	72'	38'	61.0

afsc

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

MULLION M98-05CO

ALL PURPOSE STRUCTURAL MULLION

CARADCO WOOD WINDOWS & PATIO DOORS
 201 EVANS ROAD
 RANTOUL, ILLINOIS 61866
 TEL. (217) 893-4444 FAX (217) 893-0921

PRODUCT RENEWED

ACCEPTANCE No. 61-1206-01

EXPIRATION DATE December 7, 2006

By [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE July 01, 1999
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0316-08

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. FE # 16557

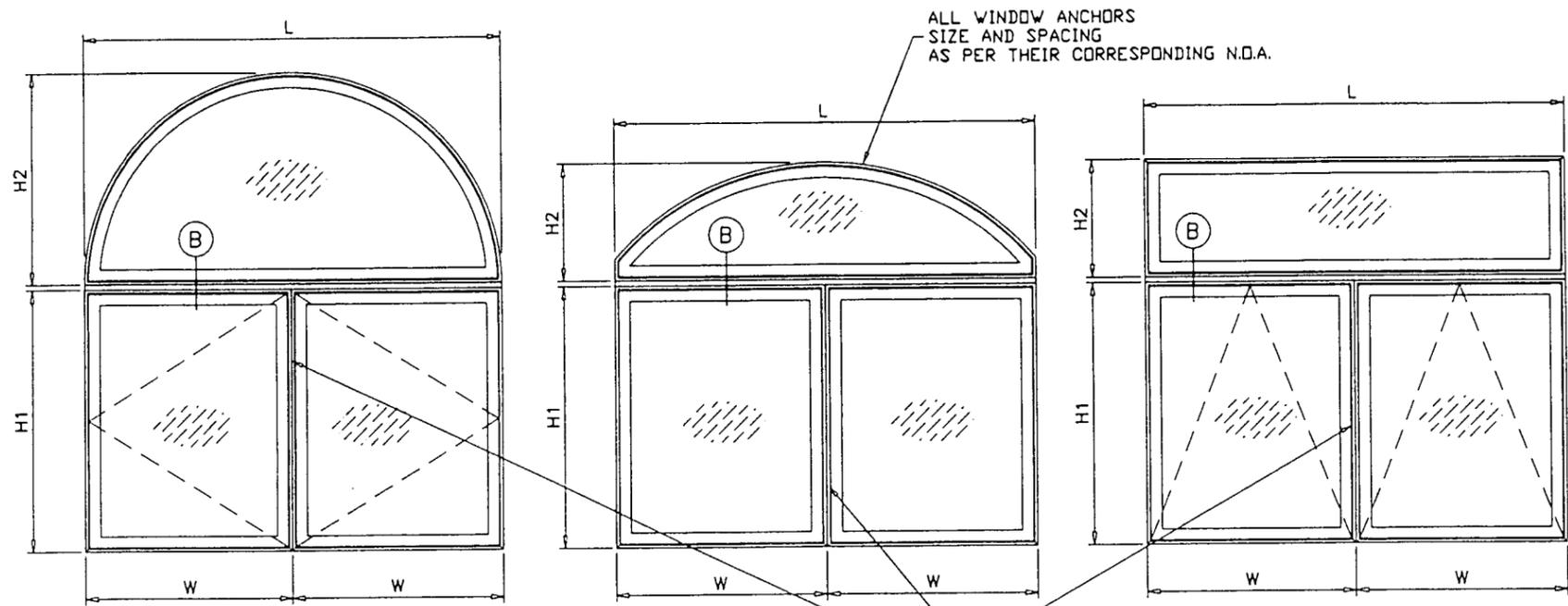
JUN 14 1999

no.	date	by	description

date: 12-01-98
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 dr. by: HAMID
 chk. by:

drawing no.
 M98-05

sheet 3 of 6



ALL WINDOW ANCHORS
SIZE AND SPACING
AS PER THEIR CORRESPONDING N.O.A.

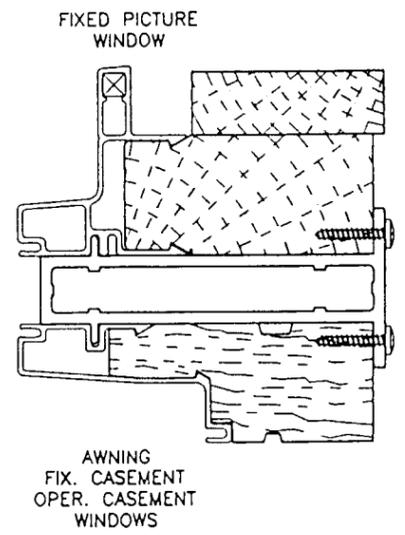
FOR DESIGN LOAD CAPACITY
OF SIDE BY SIDE MULLIONS
SEE SEPARATE N.O.A.
CORRESPONDING TO THE
GLAZING PRODUCTS BEING USED

TYPICAL ELEVATIONS

AWNING, OPERATING CASEMENT OR FIXED CASEMENT WINDOWS WITH TRANSOM ABOVE

EXTERIOR

(B)



HORIZONTAL MULLION						
AWNING/OPERATING CASEMENT/FIXED CASEMENT WINDOWS WITH FIXED PICTURE WINDOW ABOVE						
WINDOW DIMENSIONS				MULLION CAPACITY PSF		
W	L	H1	H2			
17'	34'	30'	19'	100.0		
UPTD						
30'	60'	30'	32'	100.0		
		36'		100.0		
		48'		100.0		
		60'		100.0		
		72'		91.5		
36'	72'	30'	19'	100.0		
			28'	100.0		
			39'	95.7		
		36'	19'	28'	100.0	
				39'	88.1	
				48'	98.6	
		48'	96'	48'	28'	86.9
					39'	75.9
					19'	83.6
				60'	28'	75.1
					39'	66.7
					19'	72.6
48'	96'	30'	22'	71.5		
			36'	56.3		
			50'	46.4		
		36'	22'	64.1		
			36'	51.6		
			50'	43.2		
		48'	22'	53.1		
			36'	44.2		
			60'	22'	45.3	

PRODUCT RENEWED

ACCEPTANCE No. 01-1206.01
 EXPIRATION DATE December 7, 2006
 By [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE July 6, 1999
 BY [Signature]
 PRODUCT CONTROL DIV'S ON
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0316.08

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

JUN 14 1999

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

ALL PURPOSE STRUCTURAL MULLION
 CARADCO WOOD WINDOWS & PATIO DOORS
 201 EVANS ROAD
 RANTOUL, ILLINOIS 61866
 TEL. (217) 893-4444 FAX (217) 893-0921

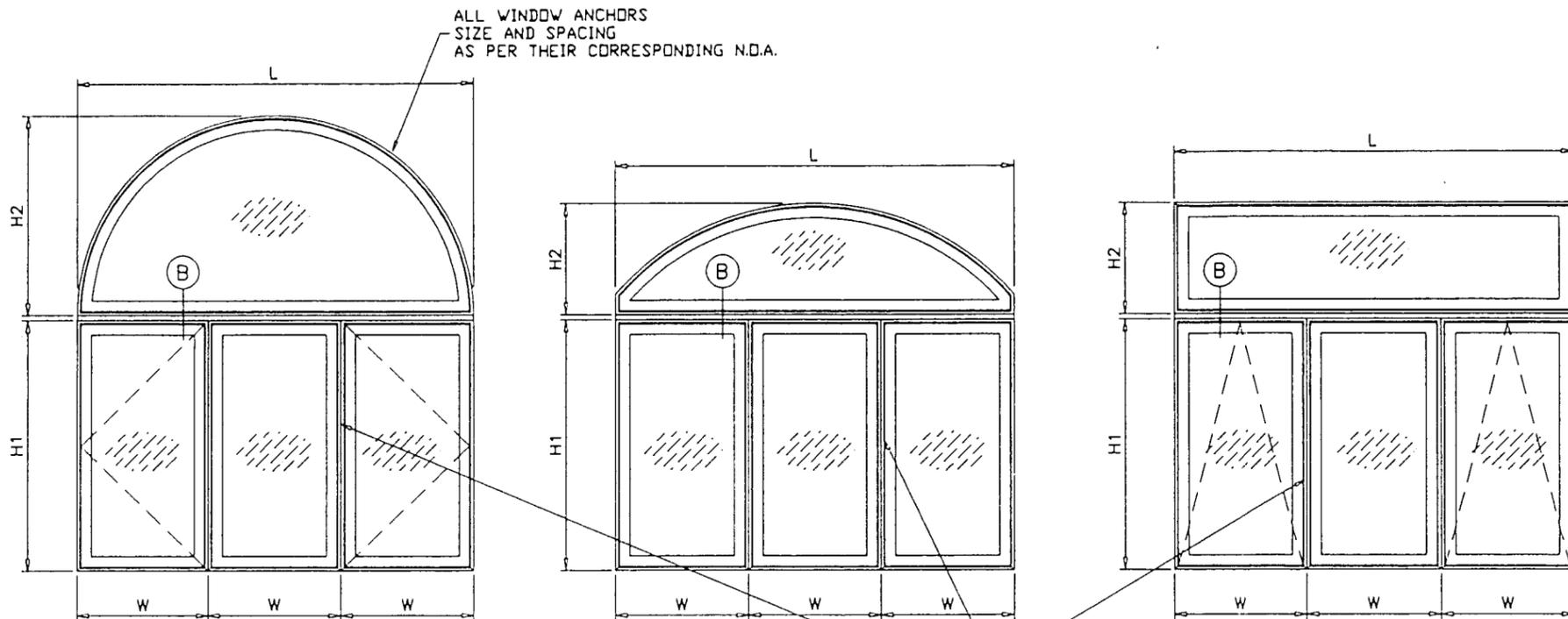
revisions:

no	date	by	description

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 dr. by: HAMID
 chk. by:

drawing no.
M98-05

sheet 4 of 6



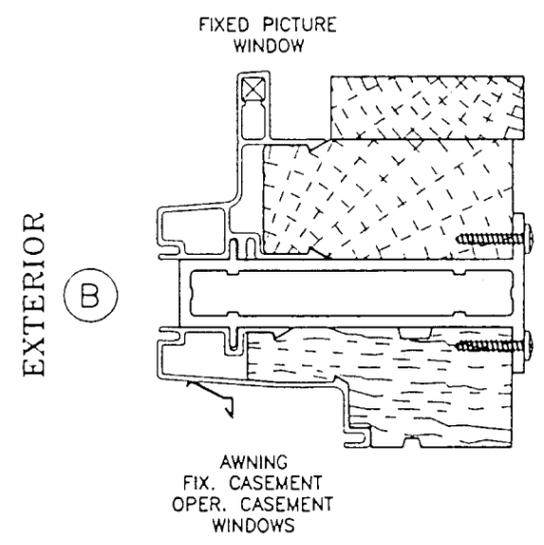
ALL WINDOW ANCHORS
SIZE AND SPACING
AS PER THEIR CORRESPONDING N.D.A.

FOR DESIGN LOAD CAPACITY
OF SIDE BY SIDE MULLIONS
SEE SEPARATE N.D.A.
CORRESPONDING TO THE
GLAZING PRODUCTS BEING USED

TYPICAL ELEVATIONS

AWNING, OPERATING CASEMENT OR FIXED CASEMENT WINDOWS WITH TRANSOM ABOVE

HORIZONTAL MULLION				
AWNING/OPERATING CASEMENT/FIXED CASEMENT WINDOWS WITH FIXED PICTURE WINDOW ABOVE				
WINDOW DIMENSIONS				MULLION CAPACITY PSF
W	L	H1	H2	
17'	51'	30'	18'	100.0
UPTD				
24'	72'	30'	18'	100.0
			28'	100.0
			38'	100.0
		36'	18'	100.0
			28'	100.0
			38'	94.4
		48'	18'	100.0
			28'	93.5
			38'	81.9
		60'	18'	92.6
			28'	81.2
			38'	72.3
30'	90'	72'	18'	80.6
			28'	71.8
			38'	64.8
		30'	21'	88.7
			32'	72.1
			47'	57.4
		36'	21'	79.8
			32'	66.1
			47'	53.5
48'	21'	66.4		
	32'	56.6		
	47'	47.1		
60'	21'	56.9		
	32'	49.5		
	47'	42.1		
72'	21'	49.7		
	32'	44.0		
	47'	-		



EXTERIOR
B

PRODUCT RENEWED

ACCEPTANCE No. 01-1206-01
EXPIRATION DATE December 7, 2006
By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE July 21, 1999
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-0316-08

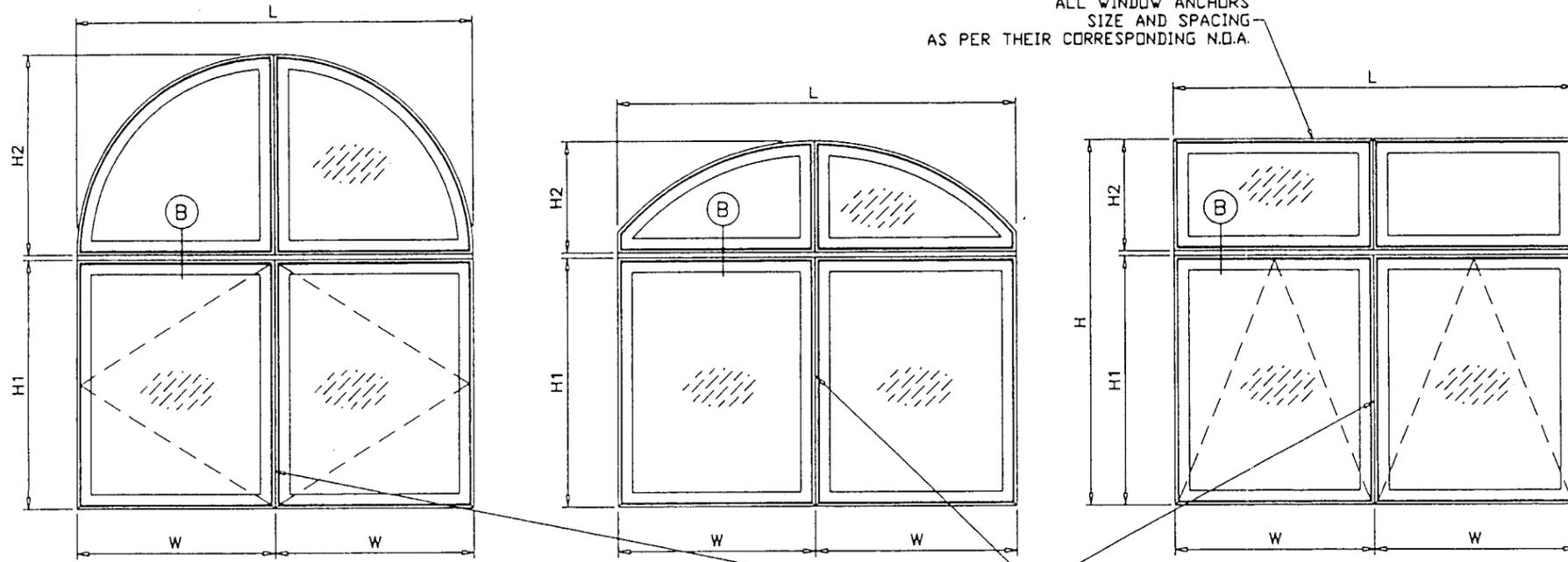
Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA FE # 16557
JUN 14 1998

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

ALL PURPOSE STRUCTURAL MULLION
CARADCO WOOD WINDOWS & PATIO DOORS
201 EVANS ROAD
RANTOUL, ILLINOIS 61866
TEL. (217) 893-4444 FAX (217) 893-0921

revisions:	no	date	by	description
date:	12-01-98	scale:	1/2" = 1"	
dr. by:	HAMID	chk. by:		

drawing no.
M98-05
sheet 5 of 6



ALL WINDOW ANCHORS
SIZE AND SPACING
AS PER THEIR CORRESPONDING N.O.A.

FOR DESIGN LOAD CAPACITY
OF SIDE BY SIDE MULLIONS
SEE SEPARATE N.O.A.
CORRESPONDING TO THE
GLAZING PRODUCTS BEING USED

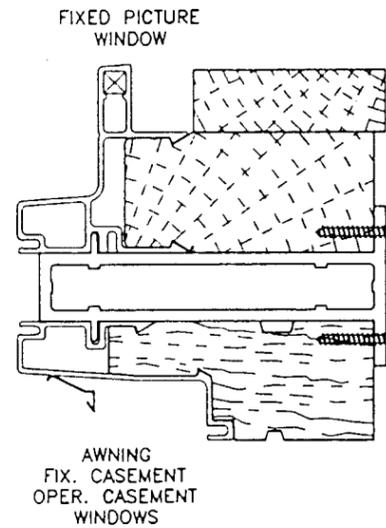
TYPICAL ELEVATIONS

AWNING, OPERATING CASEMENT OR FIXED CASEMENT WINDOWS STACKED WITH HORIZ. MULLION IN BETWEEN

HORIZONTAL MULLION			
AWNING/OPERATING CASEMENT/FIXED CASEMENT WINDOWS WITH FIXED PICTURE WINDOW ABOVE			
WINDOW DIMENSIONS			MULLION CAPACITY
W	L	H	PSF
17'	34'	60'	100.0
UPTD			
30'	60'	60'	100.0
		72'	100.0
		84'	98.3
		96'	86.0
		108'	76.5
36'	72'	60'	95.6
		72'	79.7
		84'	68.3
		96'	59.8
		108'	53.1
48'	96'	60'	53.8
		72'	44.8

EXTERIOR

(B)



PRODUCT RENEWED

ACCEPTANCE No. 01-1706.01

EXPIRATION DATE December 7, 2006

By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE July 01, 1999
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-0316.08

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

JUN 14 1999

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION M98-05CO

ALL PURPOSE STRUCTURAL MULLION
CARADCO WOOD WINDOWS & PATIO DOORS
201 EVANS ROAD
RANTOUL, ILLINOIS 61866
TEL. (217) 893-4444 FAX (217) 893-0921

date: 12-01-98	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no. M98-05			
sheet 6 of 6			