



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.buildingcodeonline.com

CGI Windows & Doors
 10100 N. W. 25th 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: Series 450 Aluminum Tube Mullion-Impact.

APPROVAL DOCUMENT: Drawing No. **M98-02 Rev D**, sheets 1 through 3 of 3 dated 04/23/98 and last revised on July 14, 2009, prepared by Al-Farooq Corporation, signed and sealed Arshad Viqar, 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 NOA # **06-0809.06** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



8/11/19

NOA No 09-0723.05
Expiration Date: October 05, 2011
Approval Date: September 23, 2009
 Page 1

CGI Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

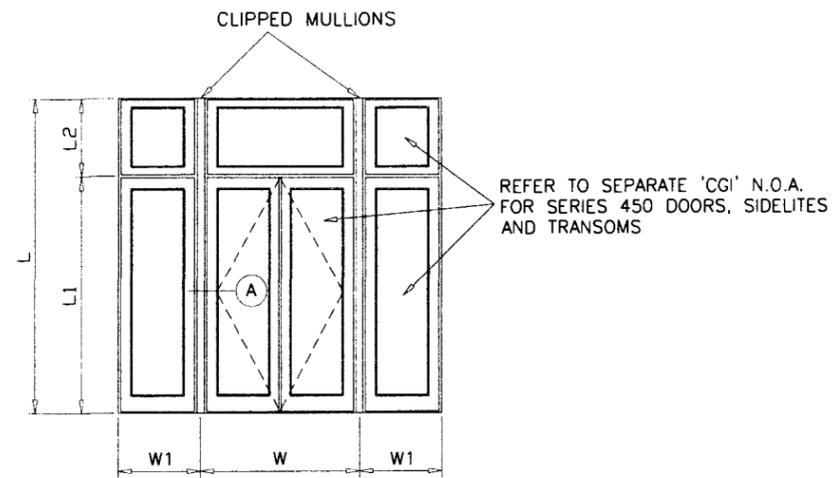
- A. DRAWINGS** (Transferred from file # **06-0809.06**)
1. Manufacturer's die drawings and sections.
 2. Drawing No. **M98-02 Rev D**, sheets 1 through 3 of 3 dated 04/23/98 and last revised on July 14, 2009, prepared by Al-Farooq Corporation, signed and sealed Arshad Viqar, P.E
- B. TESTS** (Transferred from file# **06-0809.06**) The test was conducted per SFBC, PA 201, 202 & 203-94, now termed as FBC, TAS 201, 202, 203-94.
1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
3) Large Missile Impact Test per SFBC, PA201-94
4) Cyclic Wind Pressure Loading per SFBC, PA 203-94
5) Water Resistance Test, per PA 202-94.
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
- Along with manufacturer's parts and section drawing marked-up drawings of aluminum In/out swing door w/sidelites, by Hurricane Testing Laboratory, Inc., Test Report No. **HTL-97055 (0080-912-97)** dated 09/23/97 thru 02/27/98 for specimen #1, 2, 3, 4 tested per PA202-94, specimen #4, 5A, 5B, 5C tested per PA201-94 & PA203-94, signed and sealed by Timothy S. Marshall, P.E.
- C. CALCULATIONS**
1. Anchor verification calculations , complying w/ FBC 2007, prepared by Al-Farooq Corporation, dated July 14, 2009, signed and sealed by Arshad Viqar, P. E.
 2. Anchor verification & structural analysis calculation dated Jan 20, 2006 and revised on June 03, 2006, prepared by Al-Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P. E.
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO)
- E. MATERIAL CERTIFICATIONS** (Transferred from file # **06-0809.06**)
1. Tensile Test prepared by Metallurgical, Inc., Report No. 8CM-709, dated 04/02/98, for cold roll Alum samples, tested per ASTM E8, signed & sealed by Frank Grate, P.E.
 2. Tensile Test prepared by Metallurgical, Inc., Report No. 8CM-709, dated 10/02/98, for cold roll Aluminum samples, tested per ASTM E-8 and Spectrographic analysis per ASTM E415, signed and sealed by Frank Grate, P.E.
- F. STATEMENTS**
1. Statement letter of conformance and "no financial interest", dated July 06, 2009, prepared by Al-Farooq Corporation, signed by Arshad Viqar, P.E.
 2. Laboratory compliance letter as part of above referenced test reports.
- G. OTHER**
1. This revises NOA # **06-0809.06** (# **06-0127.03**), expiring October 05, 2011.
 2. Test proposal # **09-0033**, approved on 05/09/97.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 09-0723.05
Expiration Date: October 05, 2011
Approval Date: September 23, 2009

DESIGN LOAD CAPACITY - PSF (1/4" DIA. ULTRACON)														
OPENING DIMENSIONS			DOOR WIDTH (W) = 60"				DOOR WIDTH (W) = 72"				DOOR WIDTH (W) = 84"			
			SIDELITE WIDTHS (W1)				SIDELITE WIDTHS (W1)				SIDELITE WIDTHS (W1)			
L	L1	L2	24"	30"	36"	42"	24"	30"	36"	42"	24"	30"	36"	42"
96"	84"	12"	100.0	100.0	100.0	100.0	100.0	100.0	99.5	94.0	100.0	94.7	89.7	85.3
102"	84"	18"	100.0	100.0	100.0	100.0	100.0	100.0	95.3	90.0	96.3	90.9	86.1	81.7
108"	84"	24"	100.0	100.0	100.0	96.0	100.0	97.4	91.5	86.3	92.8	87.4	82.7	78.4
114"	84"	30"	100.0	100.0	98.4	92.1	100.0	93.7	88.0	82.9	89.4	84.2	79.6	75.4
120"	84"	36"	100.0	100.0	94.7	88.6	96.7	90.3	84.7	79.8	86.3	81.2	76.7	72.6
126"	84"	42"	100.0	98.1	91.2	85.3	93.4	87.2	81.7	76.9	83.5	78.4	74.0	70.0
132"	84"	48"	100.2	92.9	86.5	81.0	88.2	82.4	77.4	72.9	78.7	74.1	70.0	66.3
138"	84"	54"	86.7	80.4	75.0	70.2	76.3	71.3	67.0	63.2	68.1	64.1	60.6	57.4
144"	84"	60"	75.7	70.3	65.5	61.4	66.6	62.3	58.5	55.2	59.4	56.0	52.9	50.2
108"	96"	12"	100.0	100.0	98.8	92.8	99.5	93.4	88.0	83.2	88.6	83.7	79.4	75.4
114"	96"	18"	100.0	100.0	95.0	89.1	96.0	90.0	84.7	80.0	85.5	80.8	76.5	72.6
120"	96"	24"	100.0	98.1	91.5	85.8	92.8	86.9	81.7	77.1	82.7	78.0	73.8	70.0
126"	96"	30"	100.0	94.7	88.3	82.7	89.7	84.0	78.9	74.4	80.0	75.4	71.3	67.6
132"	96"	36"	98.8	91.5	85.3	79.8	86.9	81.2	76.3	71.9	77.6	73.0	69.0	65.4
138"	96"	42"	90.5	83.7	77.8	72.7	79.8	74.4	69.7	65.6	71.3	67.0	63.2	59.8
144"	96"	48"	78.3	72.5	67.5	63.1	69.0	64.4	60.4	56.9	61.6	58.0	54.7	51.8
120"	108"	12"	100.0	94.7	88.6	83.2	89.1	83.7	78.9	74.6	79.4	75.0	71.1	67.6
126"	108"	18"	98.4	91.5	85.5	80.3	86.3	81.0	76.3	72.1	76.9	72.6	68.8	65.4
132"	108"	24"	95.3	88.6	82.7	77.6	83.7	78.4	73.8	69.7	74.6	70.4	66.6	63.3
138"	108"	30"	92.4	85.8	80.0	75.0	81.2	76.1	71.5	-	72.4	68.3	-	-
144"	108"	36"	82.7	76.2	70.7	65.9	73.1	68.0	63.5	-	65.4	61.3	-	-

DESIGN LOAD CAPACITY - PSF (5/16" DIA. ULTRACON)														
OPENING DIMENSIONS			DOOR WIDTH (W) = 60"				DOOR WIDTH (W) = 72"				DOOR WIDTH (W) = 84"			
			SIDELITE WIDTHS (W1)				SIDELITE WIDTHS (W1)				SIDELITE WIDTHS (W1)			
L	L1	L2	24"	30"	36"	42"	24"	30"	36"	42"	24"	30"	36"	42"
96"	84"	12"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
102"	84"	18"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
108"	84"	24"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114"	84"	30"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120"	84"	36"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	91.1
126"	84"	42"	100.0	100.0	100.0	94.2	100.0	96.2	90.2	84.9	92.0	86.5	81.7	77.3
132"	84"	48"	100.0	92.9	86.5	81.0	88.2	82.4	77.4	72.9	78.7	74.1	70.0	66.3
138"	84"	54"	86.7	80.4	75.0	70.2	76.3	71.3	67.0	63.2	68.1	64.1	60.6	57.4
144"	84"	60"	75.7	70.3	65.5	61.4	66.6	62.3	58.5	55.2	59.4	56.0	52.9	50.2
108"	96"	12"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
114"	96"	18"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
120"	96"	24"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.9
126"	96"	30"	100.0	100.0	100.0	99.1	100.0	100.0	95.7	89.8	98.7	92.4	86.9	82.0
132"	96"	36"	100.0	97.5	90.5	84.4	93.2	86.8	81.2	76.3	83.4	78.2	73.7	69.6
138"	96"	42"	90.5	83.7	77.8	72.7	79.8	74.4	69.7	65.6	71.3	67.0	63.2	59.8
144"	96"	48"	78.3	72.5	67.5	63.1	69.0	64.4	60.4	56.9	61.6	58.0	54.7	51.8
120"	108"	12"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.3	91.6
126"	108"	18"	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	100.0	98.4	93.2	88.5
132"	108"	24"	100.0	100.0	96.5	89.6	100.0	93.5	87.0	81.4	90.7	84.6	79.3	74.6
138"	108"	30"	96.5	88.8	82.2	76.5	85.4	79.3	74.0	-	76.6	71.6	-	-
144"	108"	36"	82.7	76.2	70.7	65.9	73.1	68.0	63.5	-	65.4	61.3	-	-



THESE MULLIONS ARE RATED FOR LARGE MISSILE IMPACT

**VERTICAL ALUMINUM MULLION
DOOR FRAME MEMBER INCLUDED IN PROPERTIES**

NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 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.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

INSTRUCTIONS:

USE MULLION/ANCHOR CHART AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.
- STEP 2** USE CONNECTION TO MULLION AS PER THIS PRODUCT APPROVAL.
- STEP 3** USING CHART SELECT ANCHORS WITH DESIGN RATING MORE THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** CAPACITY OF SELECTED CGI'S DOORS/SIDELITE/TRANSOM AND MULLION MUST EQUAL OR EXCEED REQUIRED LOADS.

THIS MULLION APPROVAL TO BE USED FOR MULLION AS SHOWN ON SHEET 3 AND MUST CONTAIN CGI'S SWING DOORS, SIDELITES AND TRANSOMS AS DEPICTED.

Engr. ARSHAD VIQAR
CIVIL
FLA. PE # 38863
C.A.N. 3538

[Signature]
JUL 14 2009

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0723-05
Expiration Date OCT 05, 2011
By Ishag I. Chaud
Miami Dade Product Control
Division

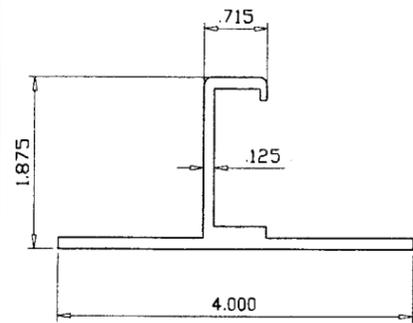
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION\M98-02CG

MULLION DETAILS - SERIES 450
CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

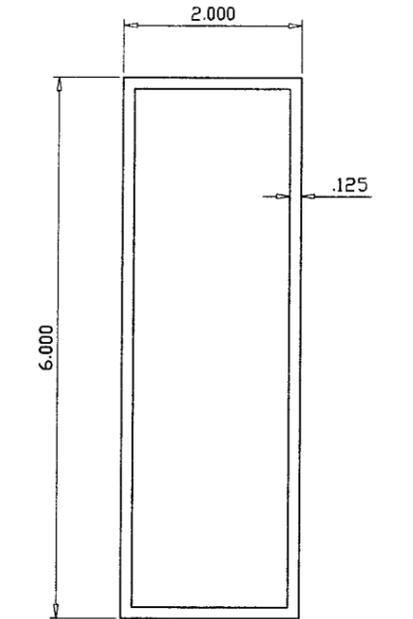
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B	12.30.05	UPDATED FOR 2004 FBC
C	05.23.06	REV. PER BCCO COMMENTS
D	07.09.09	UPDATED FOR 2007 FBC

date: 04-23-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

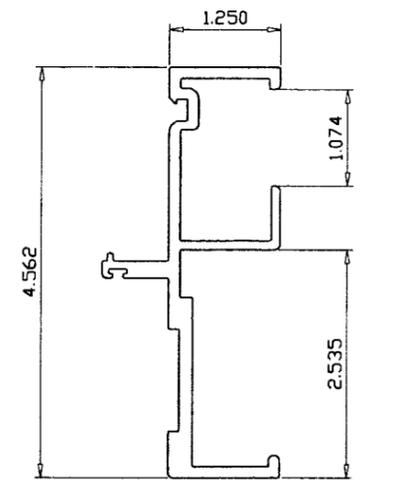
drawing no.
M98-02
sheet 1 of 3



MULLION CLIP
CGI-383
6063-T6



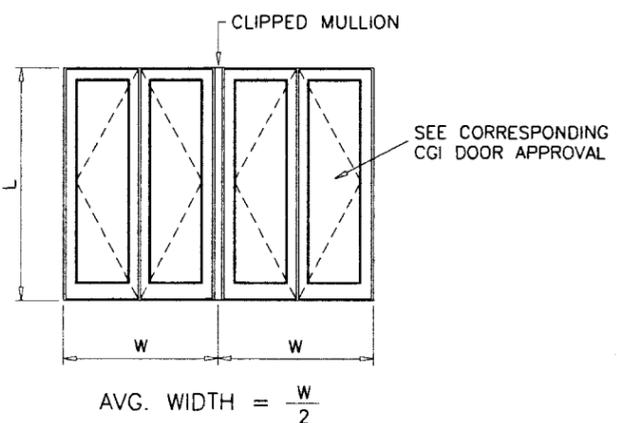
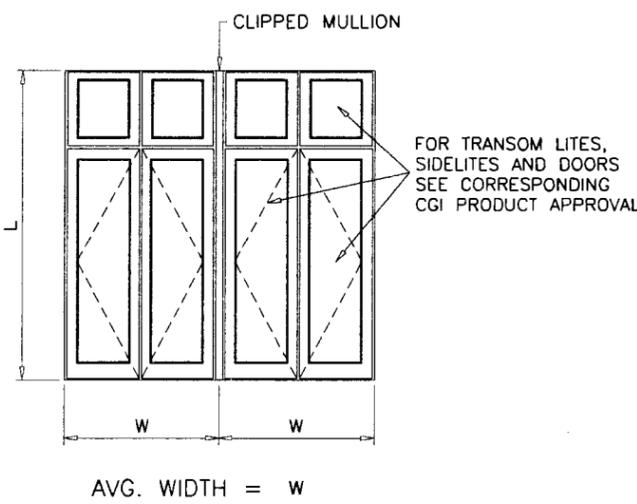
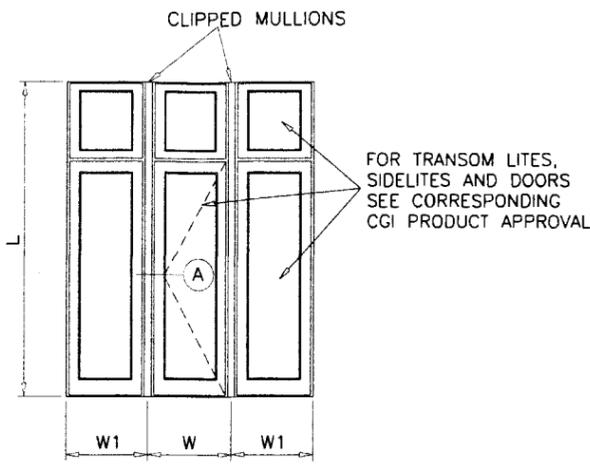
MULLION TUBE
6063-T6



DOOR JAMB
CGI-509
6063-T6

1/4" DIA. ULTRACON		
L IN.	AVG. WIDTH IN.	P MAX. PSF
84	24	100.0
	30	100.0
	36	100.0
	42	100.0
	48	100.0
	54	100.0
	60	98.1
	66	89.1
96"	72	81.7
	78	75.4
	84	70.0
	24	100.0
	30	100.0
	36	100.0
	42	100.0
	48	100.0
108"	54	95.3
	60	85.8
	66	78.0
	72	71.5
	78	66.0
	84	61.3
	24	100.0
	30	100.0
120"	36	100.0
	42	100.0
	48	95.3
	54	84.7
	60	76.3
	66	69.3
	72	63.6
	78	58.7

1/4" DIA. ULTRACON			
L IN.	AVG. WIDTH IN.	P MAX. PSF	
120"	24	100.0	
	30	100.0	
	36	100.0	
	42	98.1	
	48	85.8	
	54	76.3	
	60	68.6	
	66	62.4	
132"	72	57.2	
	78	24	100.0
	84	30	100.0
	24	100.0	
	30	100.0	
	36	100.0	
	42	89.1	
	48	78.0	
144"	54	69.3	
	60	62.4	
	24	100.0	
	30	97.3	
	36	81.1	
	42	69.5	
	48	60.8	
	54	54.0	
60	48.6		



5/16" DIA. ULTRACON		
L IN.	AVG. WIDTH IN.	P MAX. PSF
84	24	100.0
	30	100.0
	36	100.0
	42	100.0
	48	100.0
	54	100.0
	60	100.0
	66	100.0
96"	72	100.0
	78	100.0
	84	94.9
	24	100.0
	30	100.0
	36	100.0
	42	100.0
	48	100.0
108"	54	100.0
	60	100.0
	66	100.0
	72	96.8
	78	89.4
	84	83.0
	24	100.0
	30	100.0
120"	36	100.0
	42	100.0
	48	96.8
	54	83.0
	60	79.5
	66	93.9
	72	86.1
	78	79.5

5/16" DIA. ULTRACON		
L IN.	AVG. WIDTH IN.	P MAX. PSF
120"	24	100.0
	30	100.0
	36	100.0
	42	100.0
	48	100.0
	54	93.4
	60	84.0
	66	76.4
132"	72	70.0
	24	100.0
	30	100.0
	36	100.0
	42	90.2
	48	78.9
	54	70.2
	60	63.1
144"	24	100.0
	30	97.3
	36	81.1
	42	69.5
	48	60.8
	54	54.0
	60	48.6

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0723-05
Expiration Date 09/05/2011
By Iskhan L. Chaudhry
Miami Dade Product Control
Division

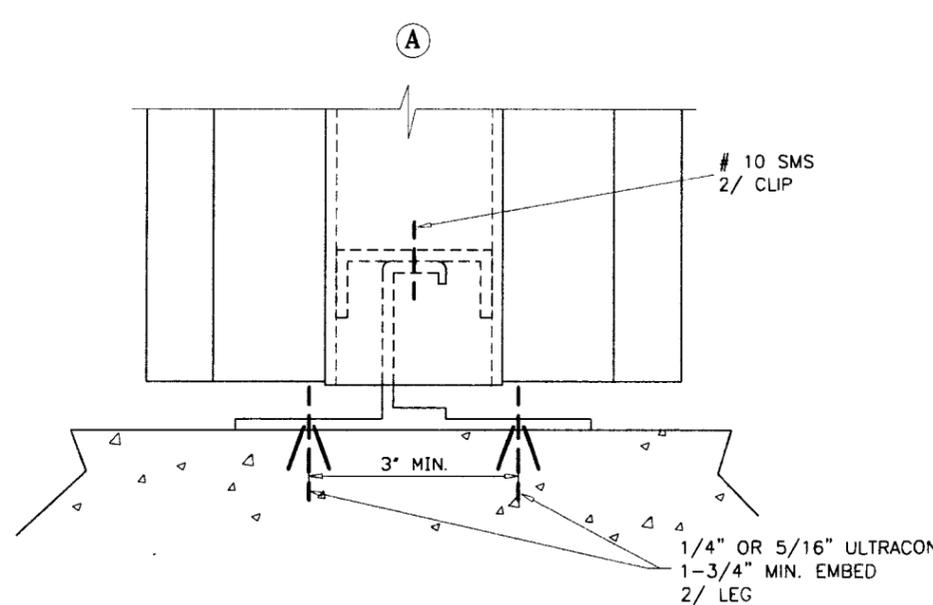
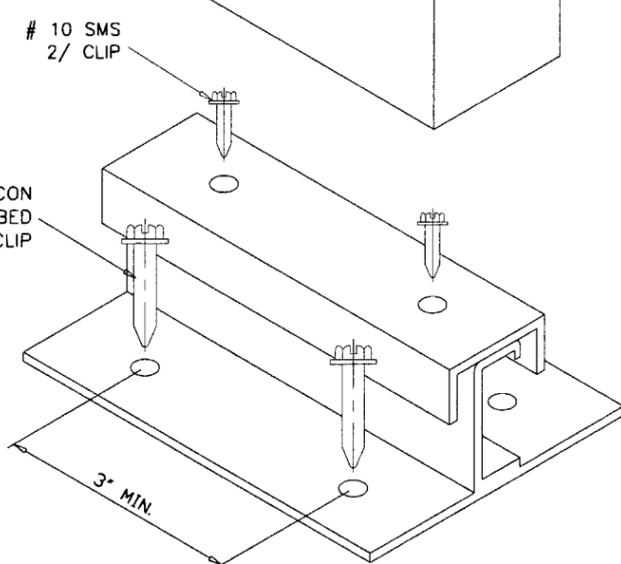
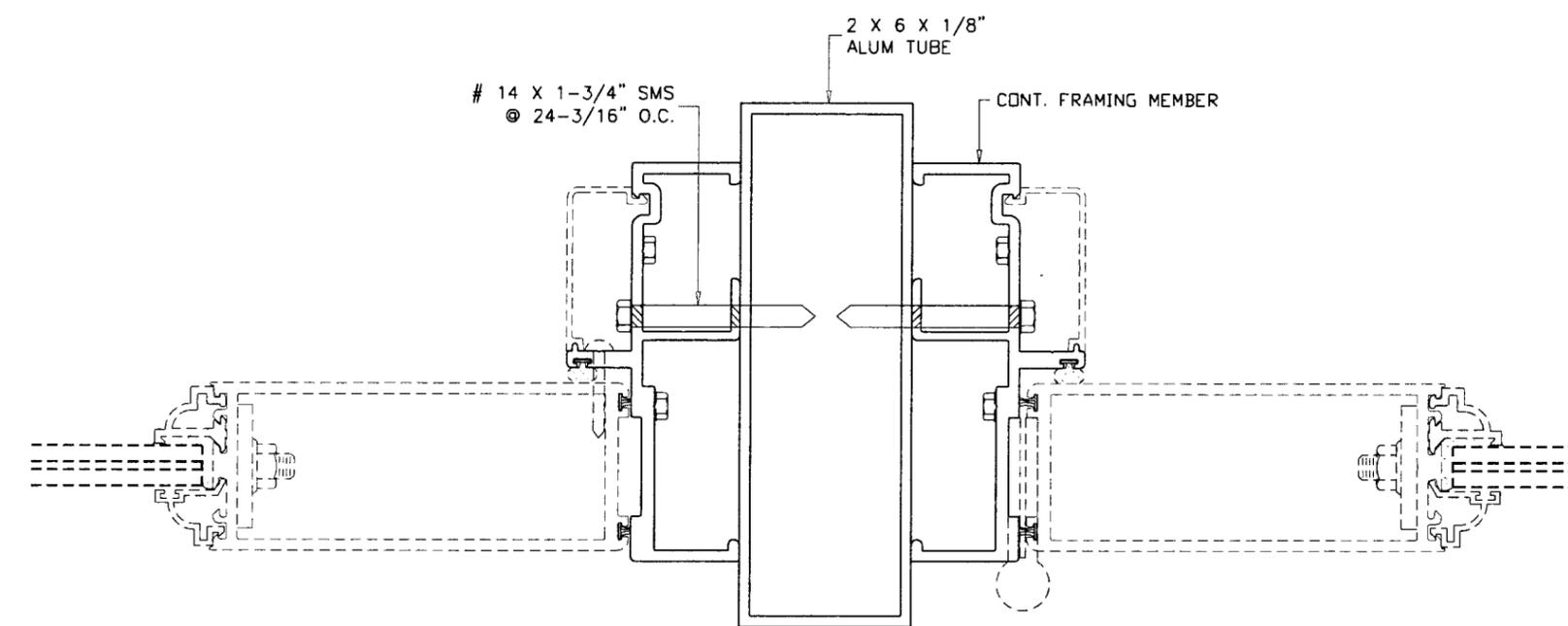
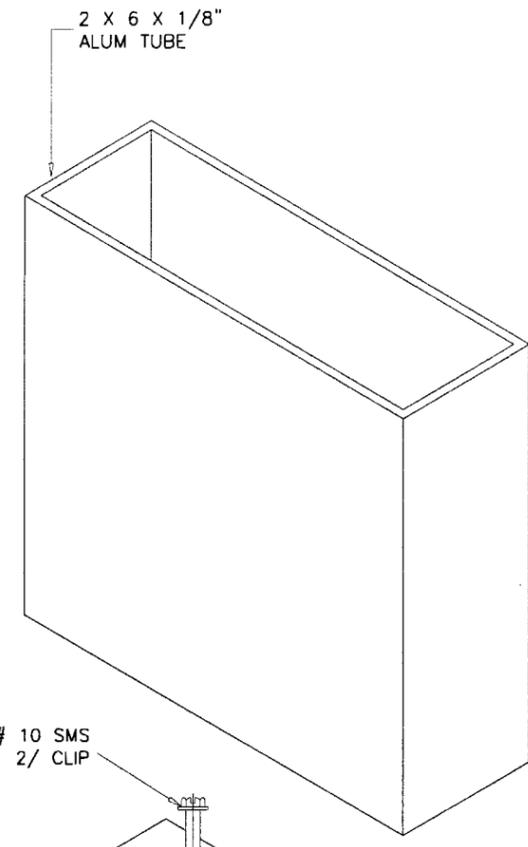
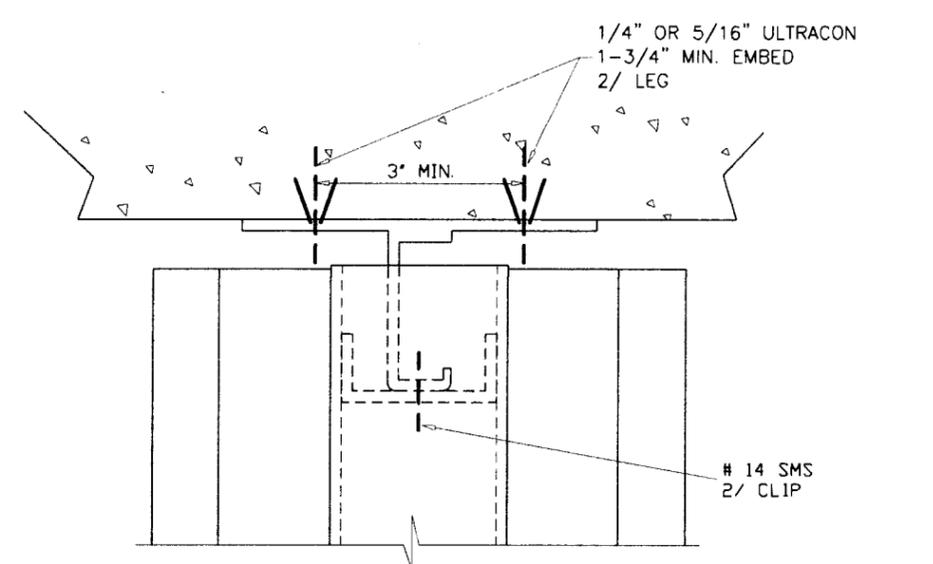
Engr: ARSHAD VIQAR
CIVIL
FLA. PE # 38863
C.A.N. 3538
[Signature]
JUL 14 2009

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION M98-02CC

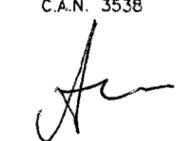
MULLION DETAILS - SERIES 450
CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

no	date	description
B	12.30.05	CHART REV.
C	05.23.06	REV. PER BCCO COMMENTS
D	07.09.09	UPDATED FOR 2007 FBC

date: 04-23-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no.
M98-02
sheet 2 of 3



NOTES:
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 2-1/2" MIN. EDGE DISTANCE
5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 3-1/4" MIN. EDGE DISTANCE
 CONCRETE f'c = 3000 PSI MIN.

Engr: ARSHAD VIQAR
 CIVIL
 FLA. PE # 38863
 C.A.N. 3538

 JUL 14 2009

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0723-05
 Expiration Date OCT 05, 2011
 By Ishaq I. Chaudhry
 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 M98-02CC

MULLION DETAILS - SERIES 450
CGI WINDOWS & DOORS
 10100 N.W. 25TH STREET
 MIAMI, FL. 33172
 TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:	no	date	description
	B	12.30.05	ANCHORS REV.
	C	05.23.06	REV. PER BCCO COMMENTS
	D	07.09.09	UPDATED FOR 2007 FBC

date: 04-23-98
 scale: 1/2" = 1"
 dr. by: HAMID
 ch. by:
 drawing no.
M98-02
 sheet 3 of 3