



**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)

**Arch Aluminum & Glass Co., Inc.
10200 NW 67 Street
Tamarac, FL 33321**

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 "Impact Wall 3000" Aluminum Storefront System-Impact

APPROVAL DOCUMENT: Drawing No. 98-42, titled "Impact wall 3000" Alum Window Wall Sys", sheets 1 through 7 of 7, dated 12/09/98 and last revised on 02-02-04, prepared by Al Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large 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 renews and revises NOA# 03-1107.02 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

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



**NOA No 03-1211.08
Expiration Date: March 05, 2009
Approval Date: February 26, 2004
Page 1**

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Arch Aluminum & Glass Co., Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **98-42**, titled "Impact wall 3000" Alum Window Wall Sys", sheets 1 through 7 of 7, dated 12/09/98 and last revised on 02-02-04, prepared by Al Farooq Corporation, signed and sealed by Dr. Humayoun Farooq, P.E.

B. TESTS (Original test report in file # 03-1107.02)

1. Test reports on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94(Structural only)
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 an aluminum storefront system, prepared & issued by Fenestration Testing Laboratory, Test Report No. **3398 (FTL-03175)** dtd December 10, 2003, signed & sealed by Edmundo J. Largaespada, P.E.
2. Reference Test reports on 1) Uniform Static Air Pressure Test 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 Window wall system, prepared & issued by Fenestration Testing Laboratory, Test Report No. **3363 (FTL-02180)** dated April 24, 2003, signed and sealed by Edmundo J. Largaespada, P.E.
3. Test reports transferred from NOA# 02-0507.02 & 01-0329.02
1) Large Missile Impact Test PA 201-94
2) Cyclic Loading Test, per SFBC PA 203-94
along with installation diagram of an aluminum window wall system marked-up by Fenestration Testing Laboratory, Inc. Test Reports Nos. **FTL-3326 (01088)**, report dated January 09, 2002, signed and sealed by Luis Antonio Figueredo, P.E.
4. Test reports transferred from NOA# 98-1216.06
1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
3) Water Resistance Test, per SFBC, PA 202-94
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1010**, dated Oct. 25, 1994, signed and sealed by Yamil Gerardo Kuri, P.E.
5. Test reports transferred from NOA# 98-1216.06
1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
3) Water Resistance Test, per SFBC, PA 202-94
along with marked-up drawings and installation diagram of an aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2221**, dated Dec. 9, 1998, signed and sealed by Gilbert Diamond, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 03-1211.08

Expiration Date: March 05, 2009

Approval Date: February 26, 2004

Arch Aluminum & Glass Co., Inc.

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C CALCULATIONS

1. Anchor calculations and structural analysis, prepared by Al-Farooq Corp., dated January 20, 2004 and last revised on 02/02/2004, signed and sealed by Dr. Humayoun Farooq, P.E.

D. QUAALITY ASSURANCE BY:

1. Miami-Dade County Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Polyvinyl Butyral Interlayer Saflex/ Keep SafeMax", expiring on 05/21/2006.
2. Notice of Acceptance No. **03.0421.01** issued to Solutia, Inc. for "Saflex HP a polyvinyl butyral interlayer for lamination of glass", expiring on 04/14/08.

F. STATEMENTS

1. Statement letter of conformance and "No financial interest", dated Jan 12, 2004, signed and sealed by Dr. Humayoun Farooq, P.E.
2. Laboratory compliance letter for Test Report no. **FTL-3326**, issued by Fenestration Testing Laboratory, Inc., dated January 23, 2003, signed and sealed by Edmundo Largaespada, P.E.
3. Laboratory compliance letter for Test Report no. **FTL-3633**, issued by Fenestration Testing Lab, Inc., dated May 13, 2003, signed & sealed by Edmundo Largaespada, P.E.
4. Laboratory compliance letter for Test Report no. **FTL-2221**, issued by Fenestration Testing Lab, as part of test report.
5. Request letter for renewal dated 11/04/2003 by Arch Aluminum, signed by G. Garcia.

G. OTHER

1. This NOA **renews and revises NOA# 03-1107.02.**
2. Test proposal dated 10-03-02 (Rev11/13/02) for system performance verification per TAS 201, 202 & 203-94, approved by BCCO.
3. Letter of correspondences between Arch Aluminum & BCCO, dated October 07, 2002, May 07, 2002 and November 18, 1998.
4. Previous files Associated with this approval NOA #03-1107.02, 02-0507.04, 01-0329.02 & 98-1216.06

Ishaq I. Chanda

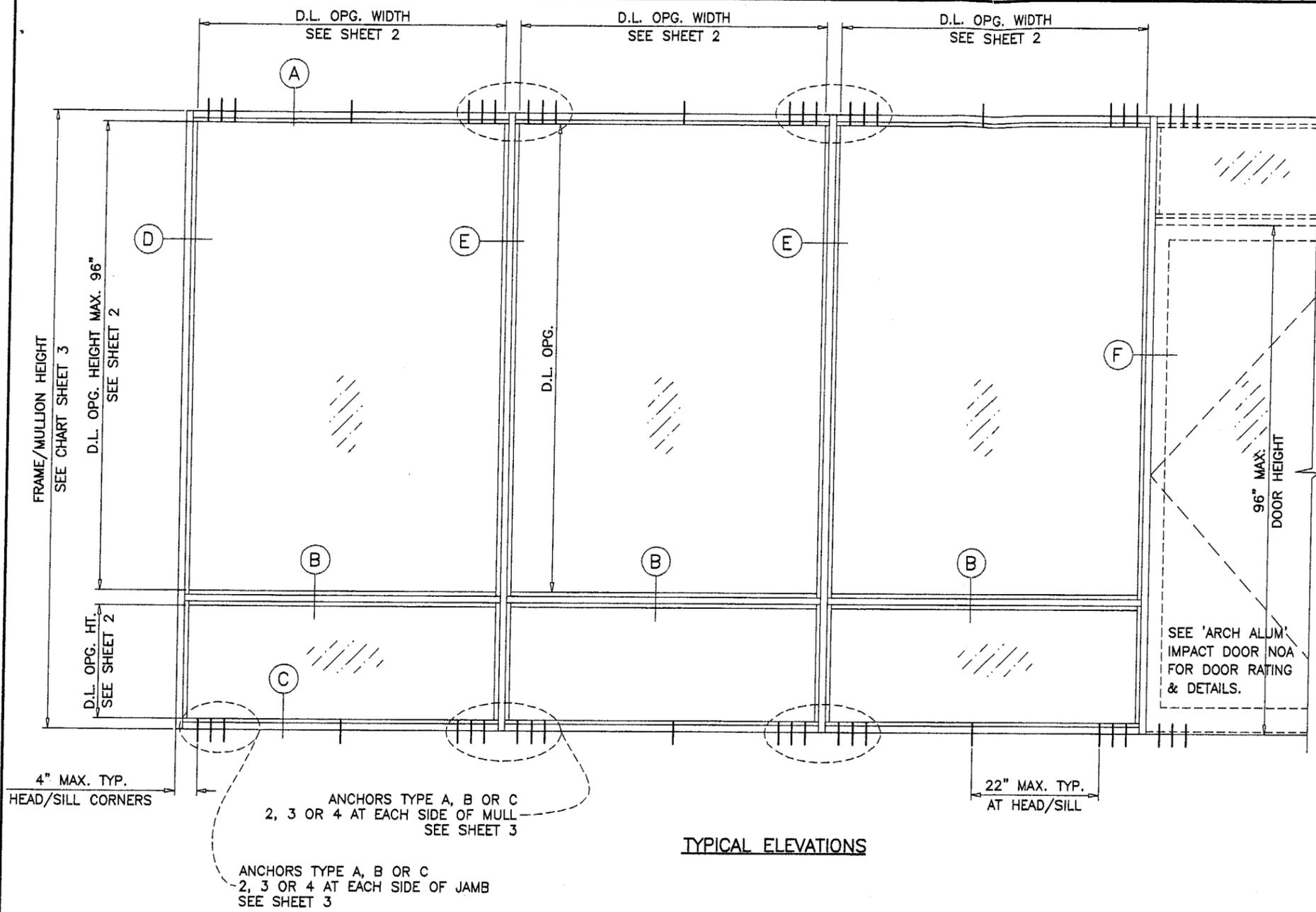
Ishaq I. Chanda, P.E.

Product Control Examiner

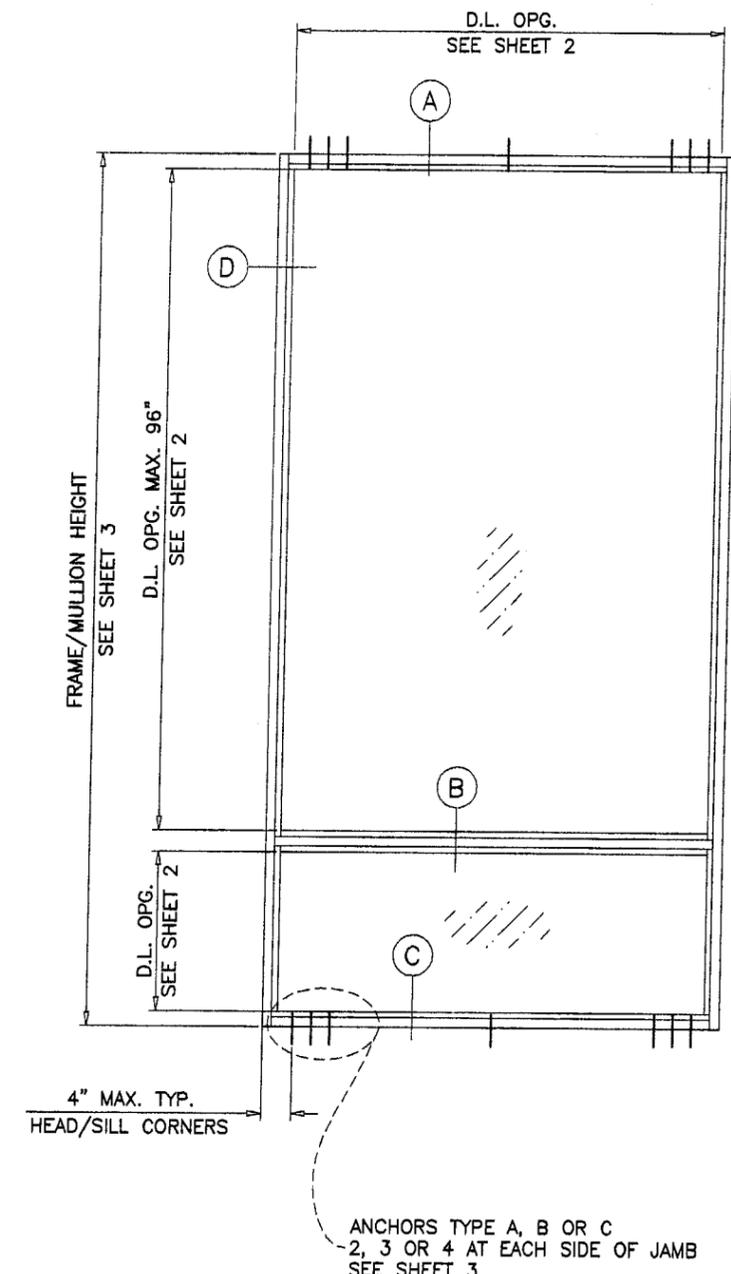
NOA No 03-1211.08

Expiration Date: March 05, 2009

Approval Date: February 26, 2004



TYPICAL ELEVATIONS



**'IMPACT WALL 3000' WINDOW WALL SYSTEM
INSIDE OR OUTSIDE GLAZED**

WINDOW WALL SYSTEM IS RATED FOR LARGE MISSILE IMPACT.
SHUTTERS NOT REQUIRED.

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI DADE
COUNTY APPROVED ENTRANCE DOORS.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE
ZONE OF THE 2001 FLORIDA BUILDING CODE.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL
DRESSING OR STUCCO.

ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED
ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE
USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEETS 2 FOR DESIGN LOAD CAPACITY
OF DESIRED GLASS SIZE.
- STEP 3** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND
HEIGHT USING CHARTS ON SHEET 3
THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHART ON SHEETS 4 SELECT ANCHOR OPTION
WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED
IN STEP 1 ABOVE.

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 18557
C.A.N. 3538

FEB 05 2004

Approved as complying with the
Florida Building Code
Date FEBRUARY 26, 2004
NOA# 03-1211.08
Miami Dade Product Control
Division
By Shag I. Chanda

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 98-42AA

'IMPACT WALL 3000' ALUM WINDOW WALL SYS.
ARCH ALUMINUM & GLASS LC.
10200 N.W. 67th street
TAMARAC, FL. 33321
TEL. (800) 432-8132 FAX. (954) 724-9293

no.	date	description	by
A	03.15.99	LAMINATE THICKNESS REVISED	
B	05.01.02	GENERAL REVISION	
C	10.09.02	REV. PER BCCO COMMENTS	
D	01.15.04	GENERAL REVISION	
E	02.02.04	REV. PER BCCO COMMENTS	

revisions:

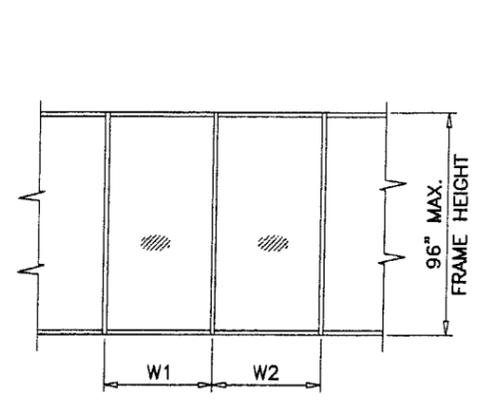
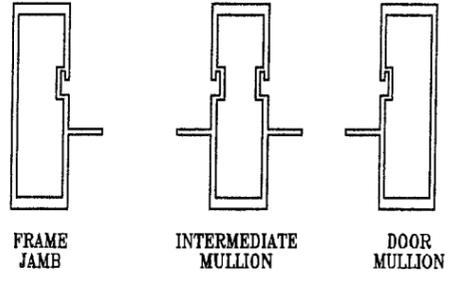
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chk. by:

drawing no.
98-42

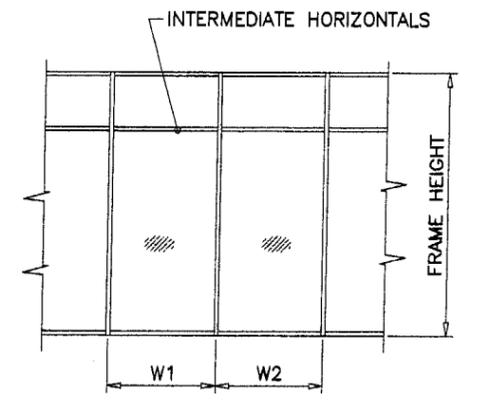
sheet 1 of 7

JAMB & MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		INTERMEDIATE MULLION JAMB/DOOR MULLION	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
24"	72"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
48"		87.5	87.5
54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5
72"	87.5	87.5	87.5
24"	78"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
48"		87.5	87.5
54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5
72"	87.5	87.5	87.5
24"	84"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
48"		87.5	87.5
54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5
72"	87.5	87.5	87.5
24"	90"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
48"		87.5	87.5
54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5
72"	87.5	87.5	87.5
24"	96"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
48"		87.5	87.5
54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5
72"	87.5	87.5	87.5
24"	102"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
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54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5

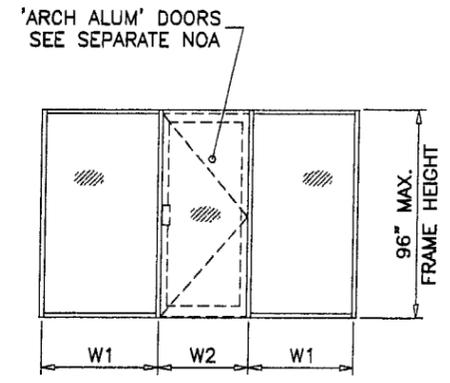
JAMB & MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		INTERMEDIATE MULLION JAMB/DOOR MULLION	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
24"	108"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
48"		87.5	87.5
54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5
24"	114"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
48"		87.5	87.5
54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5
24"	120"	87.5	87.5
30"		87.5	87.5
36"		87.5	87.5
42"		87.5	87.5
48"		87.5	87.5
54"		87.5	87.5
60"		87.5	87.5
66"		87.5	87.5



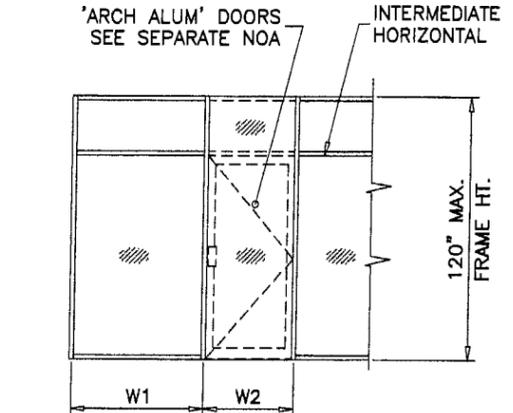
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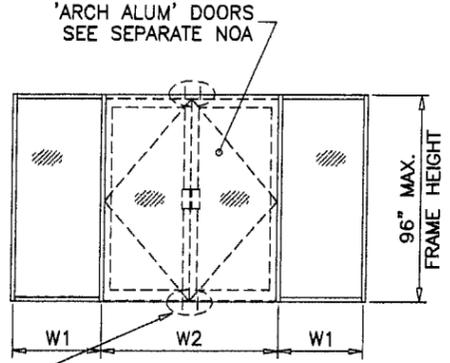
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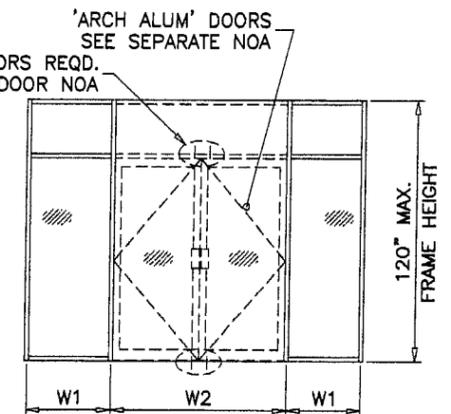
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



$$\text{WIDTH (W)} = \frac{W1}{2} + \frac{W2}{4}$$



$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

ANCHORS REQD. SEE DOOR NOA

ANCHORS REQD. SEE DOOR NOA

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
FEB 05 2004

Approved as complying with the
Florida Building Code
Date **FEB 26, 2004**
NOA# **03-1211-08**
Miami Dade Product Control
Division
By **Ishaq I. Chanda**

afc
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
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ARCH ALUMINUM & GLASS L.C.
10200 N.W. 67th street
TAMARAC, FL. 33321
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no	date	by	description
D	01.15.04		GENERAL REVISION
E	02.02.04		REV. PER BCCO COMMENTS

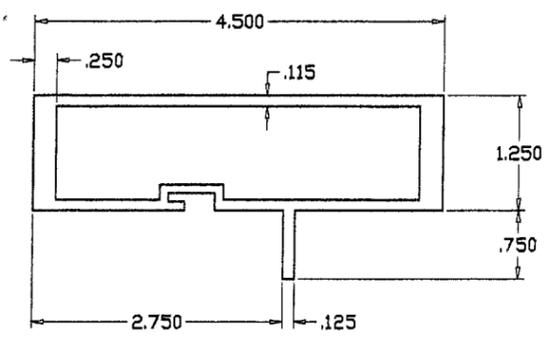
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chk. by:

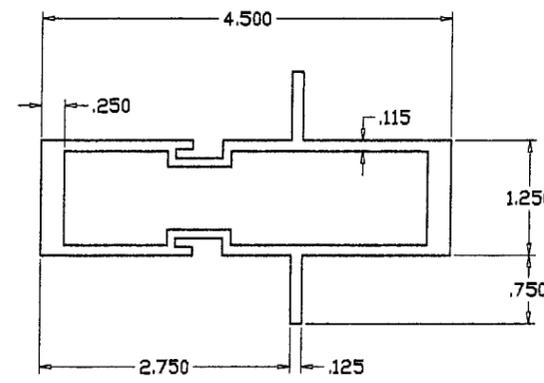
drawing no.
98-42
sheet 3 of 7

MATERIALS LIST

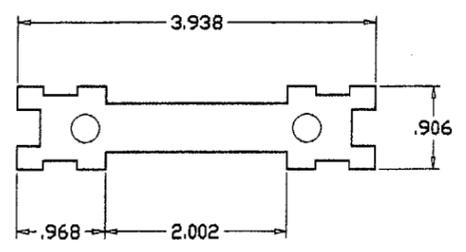
ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	3001 (AGA-356)	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T6	ARCH ALUM & GLASS CO.
2	3002	AS REQD.	INTERMEDIATE MULLION (VERT./HORIZ.)	6063-T6	ARCH ALUM & GLASS CO.
3	3003	AS REQD.	GLAZING STOP	6063-T6	ARCH ALUM & GLASS CO.
4	AR-3004	1/ CORNER	SHEAR BLOCK	6063-T5	1" LONG
5	H-63	AS REQD.	GLAZING GASKET	EPDM 70 ±5	UNIVERSAL RUBBER CO.
6	DC995	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
7	#12-24 X 3/4"	2/ CORNER	FLAT HEAD THREAD CUTTING SCREWS	-	-
8	1/4-20 X 1-1/2"	2/ CORNER	PAN HEAD MACHINE SCREWS	-	-
9	V2100	-	ADHESIVE FOAM TAPE	-	NORTON
10	-	AS REQD.	SETTING BLOCK (1/2" X 1/4" X 2" LONG)	NEOPRENE	NORTON



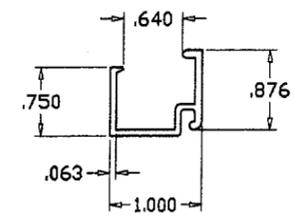
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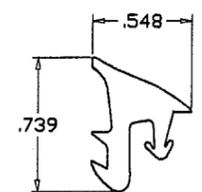
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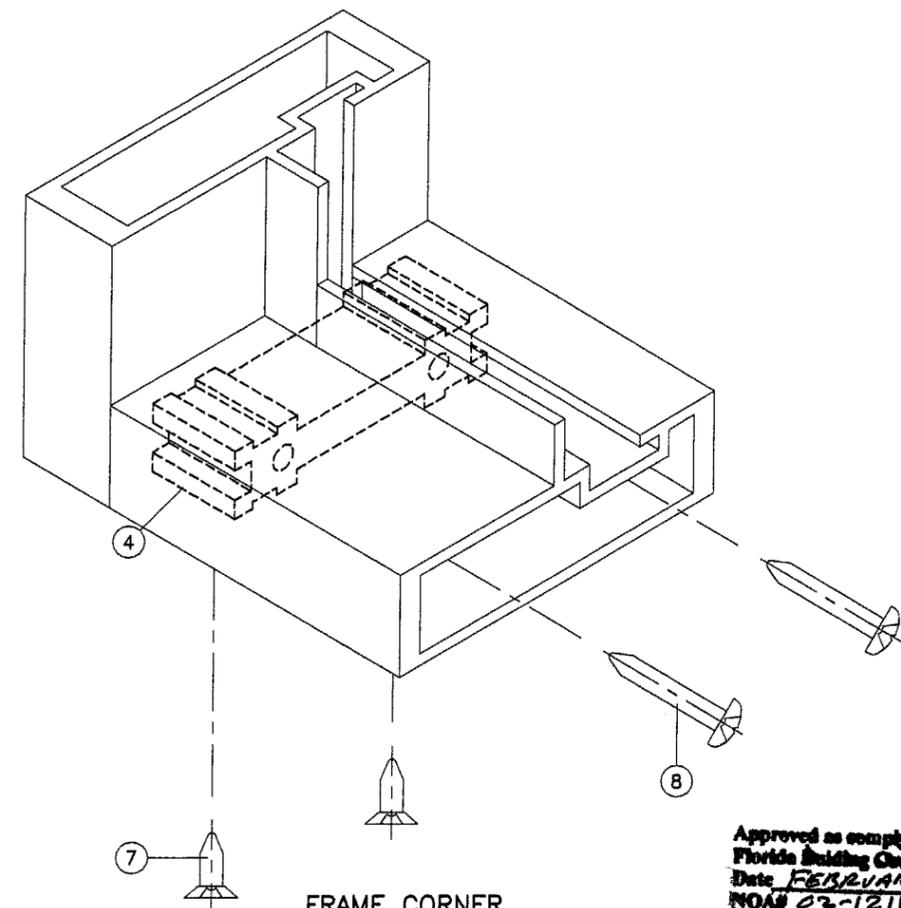
SHEAR BLOCK



GLAZING STOP



WEDGE-IN GASKET



FRAME CORNER HEAD & SILL INTER. HORIZ. MULLION

Approved as complying with the Florida Building Code
 Date FEBRUARY 26, 2004
 NOA# 02-1211-08
 Miami Dade Product Control Division
 By Shaqiq I. Chaudhry

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

FEB 05 2004

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no	date	description	by
D	01.15.04	GENERAL REVISION	
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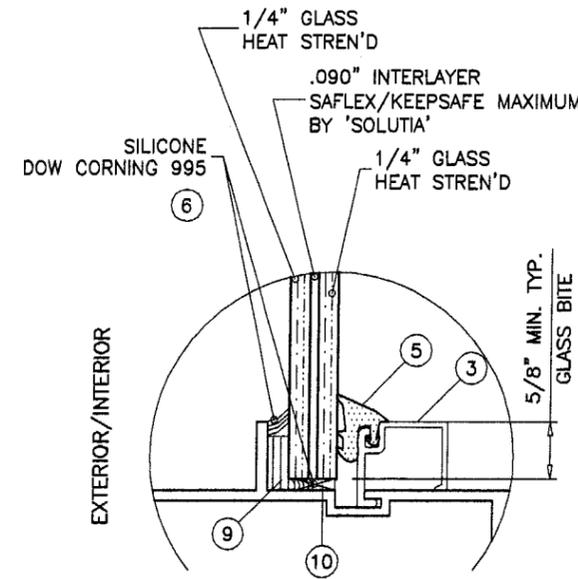
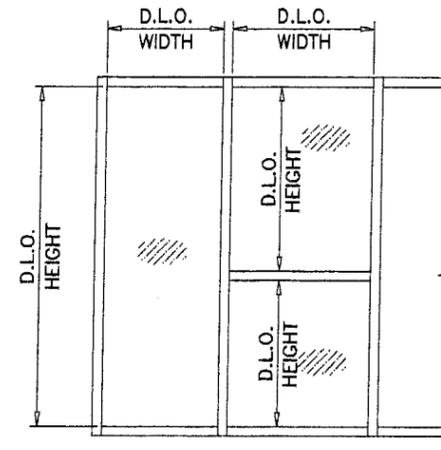
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 dr. by: HAMID
 chk. by:

drawing no.
98-42
 sheet 7 of 7

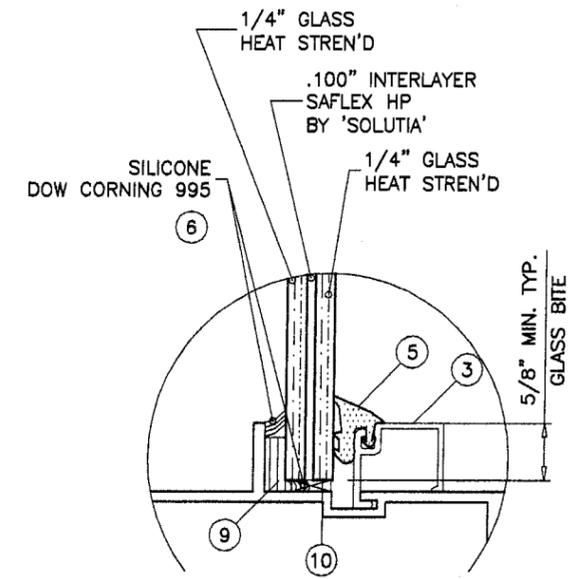
GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
36"	60"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		87.5	87.5
57"		87.5	87.5
60"	87.5	87.5	
36"	63"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		87.5	87.5
57"		87.5	87.5
60"	87.5	87.5	
36"	66"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		87.5	87.5
57"		87.5	87.5
60"	87.5	87.5	
36"	69"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		87.5	87.5
57"		87.5	87.5
60"	87.5	87.5	
36"	72"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		87.5	87.5
57"		87.5	87.5
60"	87.5	87.5	
36"	75"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		87.5	87.5
57"		87.5	87.5
60"	XX	87.5	

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
36"	78"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		87.5	87.5
57"		XX	87.5
60"	XX	87.5	
36"	81"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		XX	87.5
57"		XX	87.5
60"	XX	87.5	
36"	84"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		87.5	87.5
54"		XX	87.5
57"		XX	87.5
60"	XX	87.5	
36"	87"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		XX	87.5
54"		XX	87.5
57"		XX	87.5
60"	XX	87.5	
36"	90"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		87.5	87.5
51"		XX	87.5
54"		XX	87.5
57"		XX	87.5
60"	XX	87.5	
36"	93"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		XX	87.5
51"		XX	87.5
54"		XX	87.5
57"		XX	87.5
60"	XX	87.5	

GLASS LOAD CAPACITY - PSF			
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+) & INT.(-)	EXT.(+) & INT.(-)
36"	96"	87.5	87.5
39"		87.5	87.5
42"		87.5	87.5
45"		87.5	87.5
48"		XX	87.5
51"		XX	87.5
54"		XX	87.5
57"		XX	87.5
60"	XX	86.1	



GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS
9/16" OVERALL LAMINATED GLASS

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

[Signature]
FEB 05 2004

Approved as complying with the
Florida Building Code
Date FEB 26, 2004
NOAS 03-1211-08
Miami Dade Product Control
Division
By Shag J. Chande

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
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ARCH ALUMINUM & GLASS LC.
10200 N.W. 67th street
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no	date	description
D	01.15.04	GENERAL REVISION
E	02.02.04	REV. PER BCCO COMMENTS

revisions:

date: 12-09-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
98-42
sheet 2 of 7

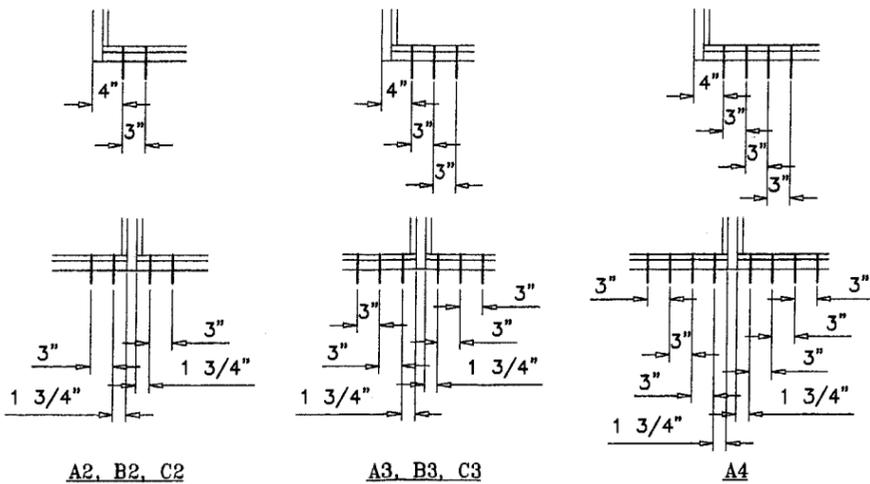
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)								
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'		ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	C2	C3
24"	72"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
42"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
48"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
54"		84.1	87.5	87.5	87.5	87.5	87.5	87.5
60"		75.7	87.5	87.5	87.5	87.5	87.5	87.5
66"		68.8	87.5	87.5	87.5	87.5	87.5	87.5
72"	63.1	87.5	87.5	87.5	87.5	87.5	87.5	
24"	78"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
42"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
48"		87.4	87.5	87.5	87.5	87.5	87.5	87.5
54"		77.7	87.5	87.5	87.5	87.5	87.5	87.5
60"		69.9	87.5	87.5	87.5	87.5	87.5	87.5
66"		63.6	87.5	87.5	87.5	87.5	87.5	87.5
72"	58.3	87.4	87.5	87.5	87.5	87.5	87.5	
24"	84"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
42"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
48"		81.1	87.5	87.5	87.5	87.5	87.5	87.5
54"		72.1	87.5	87.5	87.5	87.5	87.5	87.5
60"		64.9	87.5	87.5	87.5	87.5	87.5	87.5
66"		59.0	87.5	87.5	87.5	87.5	87.5	87.5
72"	54.1	81.1	87.5	87.5	87.5	87.5	87.5	
24"	90"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
42"		86.6	87.5	87.5	87.5	87.5	87.5	87.5
48"		75.7	87.5	87.5	87.5	87.5	87.5	87.5
54"		67.3	87.5	87.5	87.5	87.5	87.5	87.5
60"		60.6	87.5	87.5	87.5	87.5	87.5	87.5
66"		55.1	82.6	87.5	87.5	87.5	87.5	87.5
72"	50.5	75.7	87.5	87.5	87.5	87.5	87.5	
24"	96"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
42"		81.1	87.5	87.5	87.5	87.5	87.5	87.5
48"		71.0	87.5	87.5	87.5	87.5	87.5	87.5
54"		63.1	87.5	87.5	87.5	87.5	87.5	87.5
60"		56.8	85.2	87.5	87.5	87.5	87.5	87.5
66"		51.6	77.5	87.5	87.5	87.5	87.5	87.5
72"	47.3	71.0	87.5	87.5	87.5	87.5	87.5	
24"	102"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
42"		76.4	87.5	87.5	87.5	87.5	87.5	87.5
48"		66.8	87.5	87.5	87.5	87.5	87.5	87.5
54"		59.4	87.5	87.5	87.5	87.5	87.5	87.5
60"		53.5	80.2	87.5	87.5	87.5	87.5	87.5
66"		48.6	72.9	87.5	87.5	87.5	87.5	87.5

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)								
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'		ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	B3	C2	C3
24"	108"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		84.1	87.5	87.5	87.5	87.5	87.5	87.5
42"		72.1	87.5	87.5	87.5	87.5	87.5	87.5
48"		63.1	87.5	87.5	87.5	87.5	87.5	87.5
54"		56.1	84.1	87.5	87.5	87.5	87.5	87.5
60"		50.5	75.7	87.5	87.5	87.5	87.5	87.5
66"		45.9	68.8	87.5	85.8	87.5	85.2	87.5
24"	114"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		79.7	87.5	87.5	87.5	87.5	87.5	87.5
42"		68.3	87.5	87.5	87.5	87.5	87.5	87.5
48"		59.8	87.5	87.5	87.5	87.5	87.5	87.5
54"		53.1	79.7	87.5	87.5	87.5	87.5	87.5
60"		47.8	71.7	87.5	87.5	87.5	87.5	87.5
66"		42.5	63.7	87.5	87.5	87.5	87.5	87.5
24"	120"	87.5	87.5	87.5	87.5	87.5	87.5	87.5
30"		87.5	87.5	87.5	87.5	87.5	87.5	87.5
36"		75.7	87.5	87.5	87.5	87.5	87.5	87.5
42"		64.9	87.5	87.5	87.5	87.5	87.5	87.5
48"		56.8	85.2	87.5	87.5	87.5	87.5	87.5
54"		50.5	75.7	87.5	87.5	87.5	87.5	87.5
60"		45.4	68.2	87.5	85.0	87.5	84.3	87.5
66"		40.1	60.2	87.5	87.5	87.5	87.5	87.5

ANCHORS TYPES: SEE SHEET 4 FOR DESCRIPTION

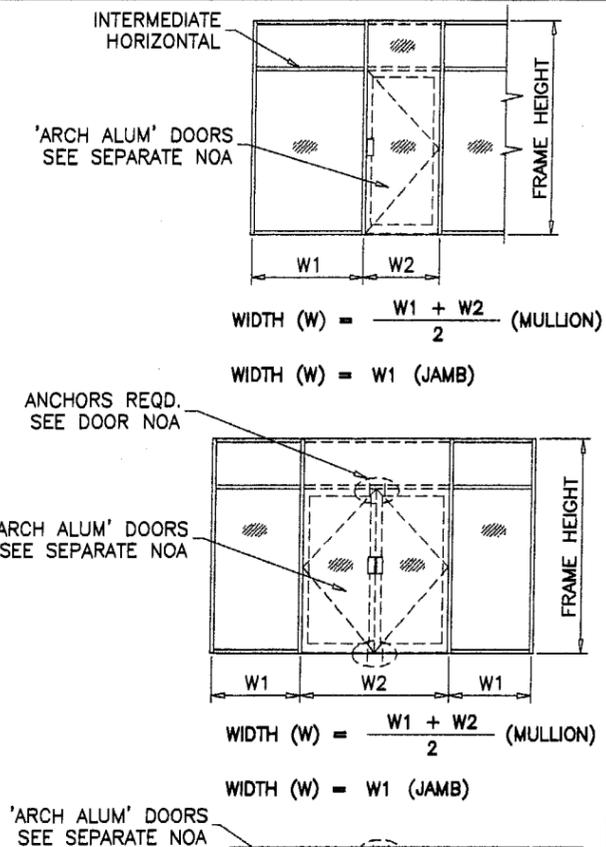
- A2 = (2) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB
- B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION OR JAMB
- C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION OR JAMB
- A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB
- B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION OR JAMB
- C3 = (3) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION OR JAMB
- A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION OR JAMB

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538
FEB 05 2004

Approved as complying with the
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Date **FEB 26 2004**
NOA# **03-1211-08**
Miami Dade Product Control
Division
By **Isaac I. Chanda**



af

AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33174
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IMPACTWALL 3000' ALUM WINDOW WALL SYS.

ARCH ALUMINUM & GLASS L.C.
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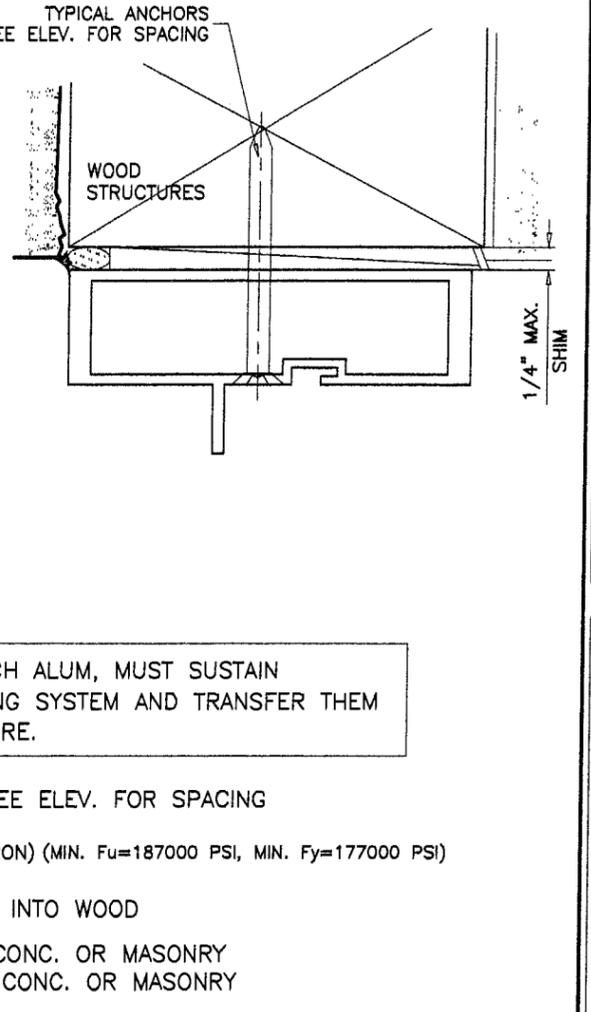
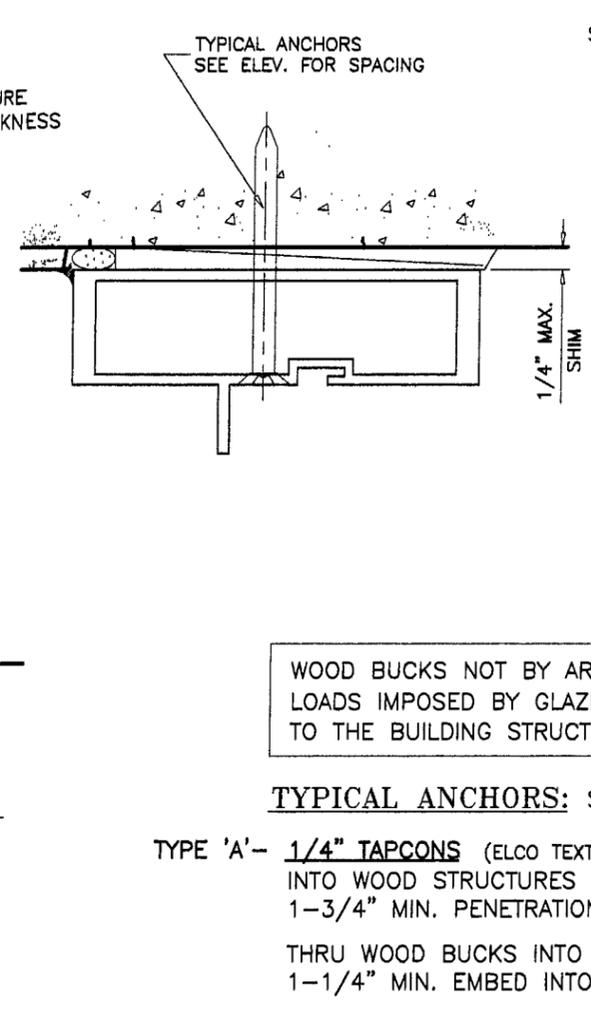
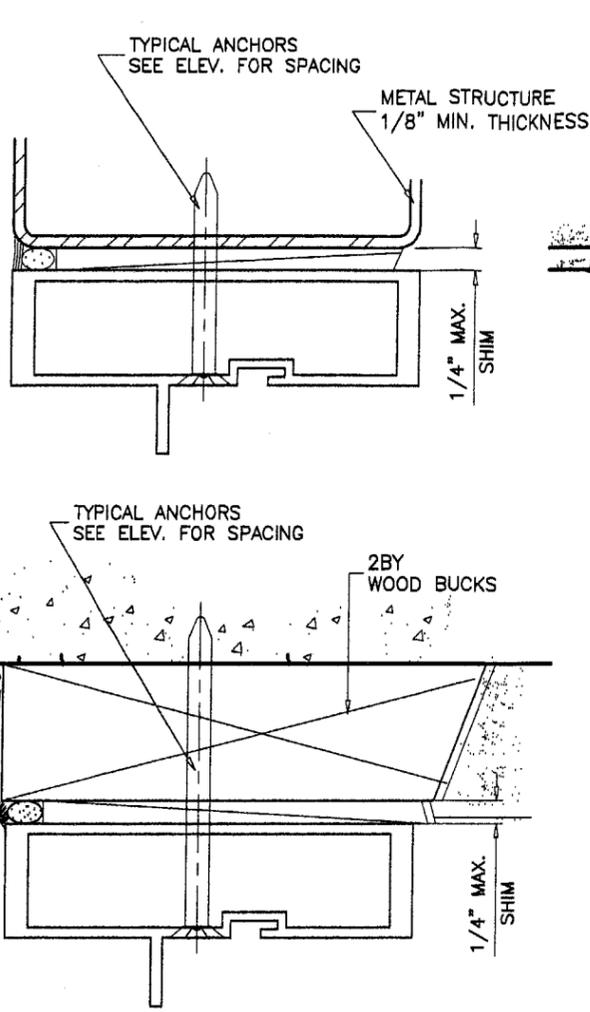
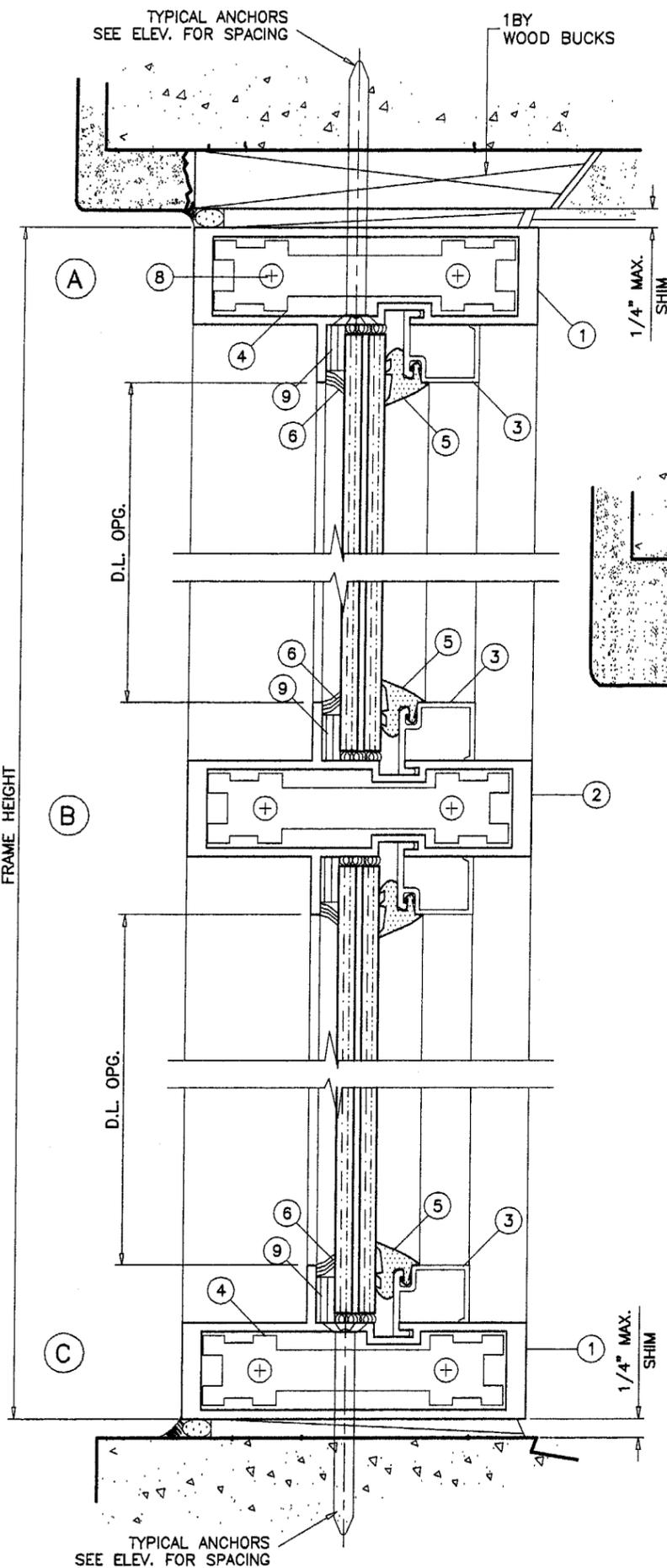
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D	01.15.04	GENERAL REVISION
E	02.02.04	REV. PER BCCO COMMENTS

date: 12-09-98
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no. **98-42**
sheet 4 of 7

EXTERIOR OR INTERIOR

FRAME HEIGHT



WOOD BUCKS NOT BY ARCH ALUM, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE 'A' - 1/4" TAPCONS (ELCO TEXTRON) (MIN. Fu=187000 PSI, MIN. Fy=177000 PSI) INTO WOOD STRUCTURES
1-3/4" MIN. PENETRATION INTO WOOD
THRU WOOD BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- TYPE 'B' - 1/4" TAPCONS (ELCO TEXTRON) (MIN. Fu=187000 PSI, MIN. Fy=177000 PSI) DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- TYPE 'C' - #14 SMS (Fy=57 KSI) OR 1/4" SELF DRILLING SCREWS (Fy=92 KSI) INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 3" MIN.
INTO WOOD STRUCTURE = 1" MIN.

SEALANTS:

GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 995.
FRAME CORNERS SEALED WITH DOW CORNING 999.

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

FEB 05 2004

Approved as complying with the
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Date FEB 26 2004
NOA 03-1211-08
Miami Dade Product Control
Division
By Ishag J. Chugh

THIS PRODUCT MAY BE INSTALLED INSIDE OR OUTSIDE GLAZED

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE 98-42AA

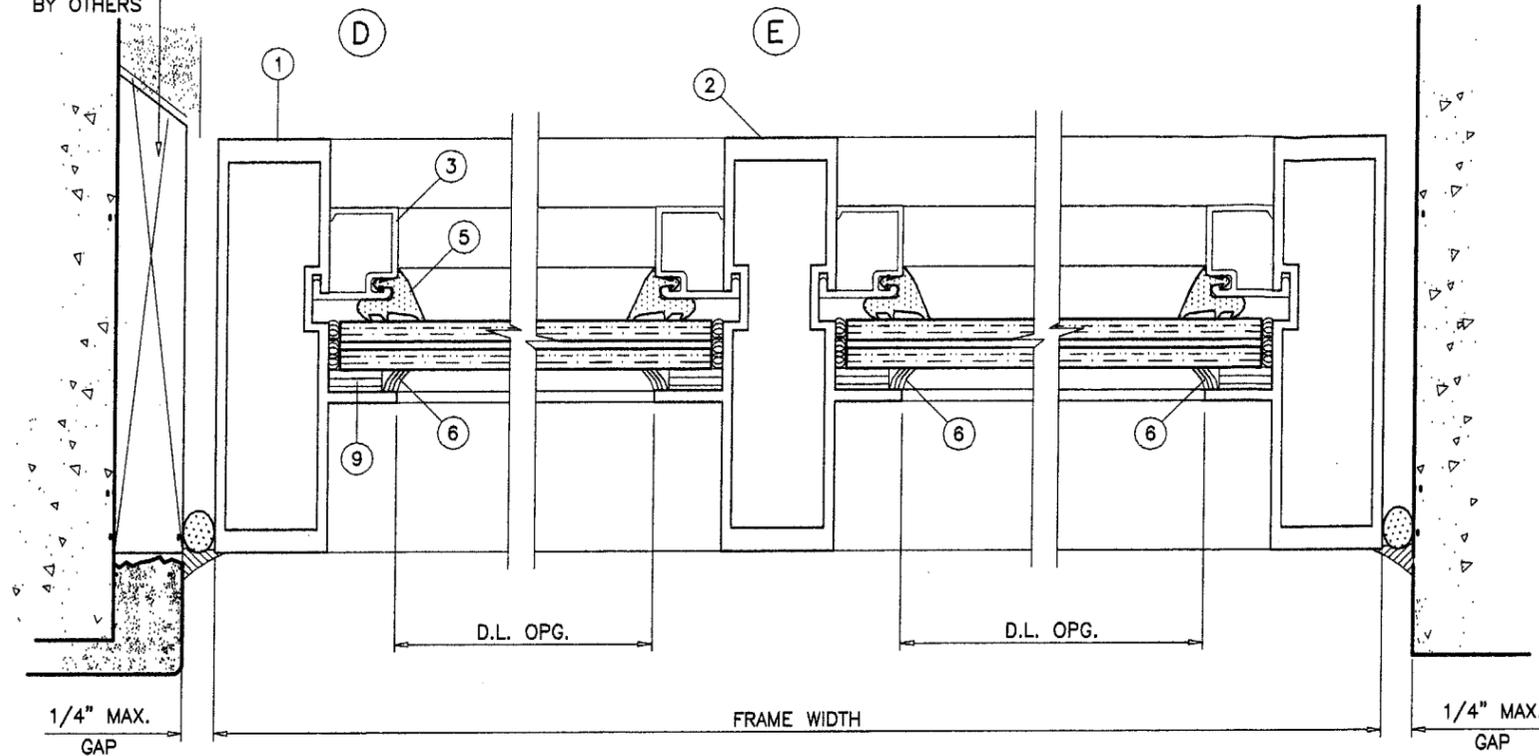
IMPACTWALL 3000' ALUM WINDOW WALL SYS.
ARCH ALUMINUM & GLASS L.C.
10200 N.W. 67th street
TAMARAC, FL. 33321
TEL (800) 432-8132 FAX. (954) 724-9293

no	date	by	description
D	01.15.04		GENERAL REVISION
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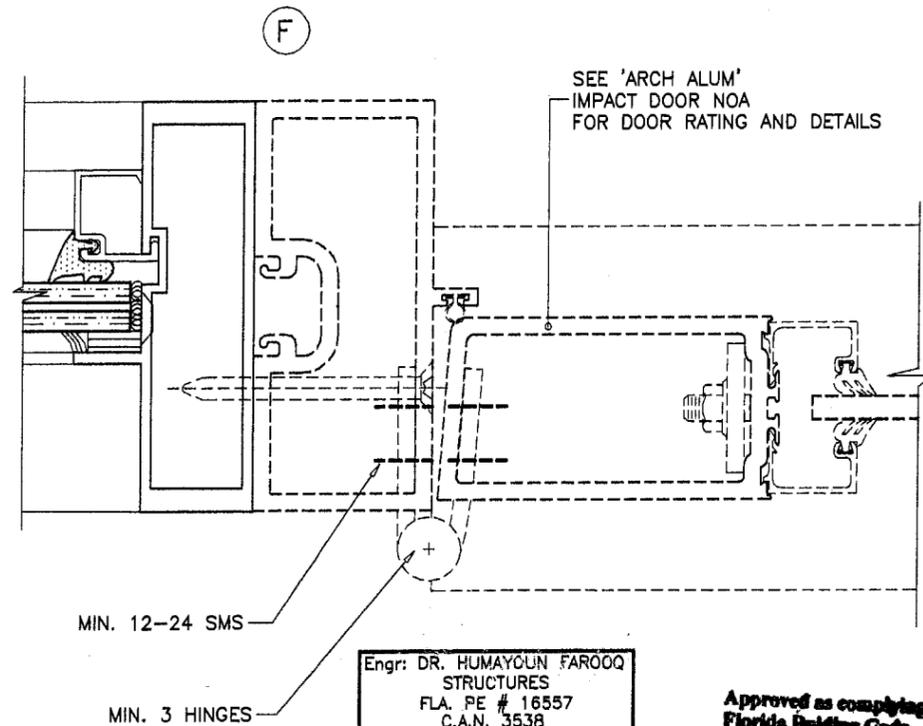
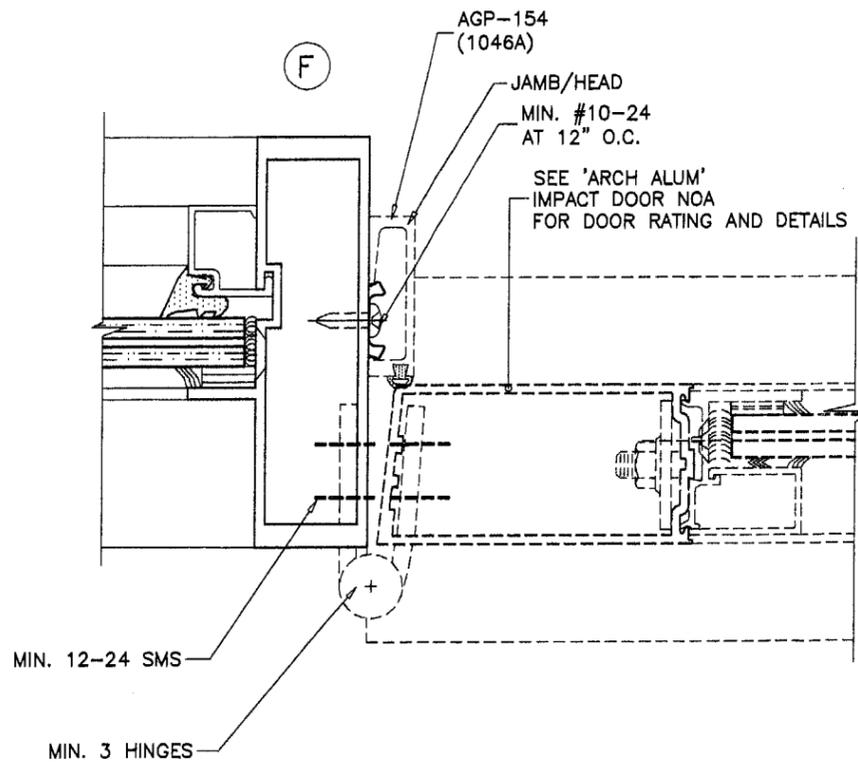
date: 12-09-98	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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drawing no. **98-42**
sheet 5 of 7

WOOD BUCK FILLER
OPTIONAL
BY OTHERS



EXTERIOR OR INTERIOR



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

FEB 05 2004

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Date FEB 26, 2004
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Miami Dade Product Control
Division
By Shaq I. Ulanda

afc

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98-42

sheet 6 of 7