



**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)**

**Smith Mountain Impact Systems**  
**11520 Sw 120 Street**  
**Miami, FL 33186**

**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 SMI-175 Aluminum Window Wall System-S.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W04-100**, titled "Series SMI-175 Alum. Window Wall System (S.M.I.)", sheets 1 through 7 of 7, prepared by AL- Farooq Corporation, dated 11/26/04, signed and sealed by Humayoun Farooq, P.E., 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.

**MISSILE IMPACT RATING: Small Missile Impact**

**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 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 **Herminio F. Gonzalez, P.E., Director, BCCO**



**NOA No 05-0209.01**  
**Expiration Date: May 05, 2010**  
**Approval Date: May 05, 2005**  
**Page 1**

Smith Mountain Impact Systems

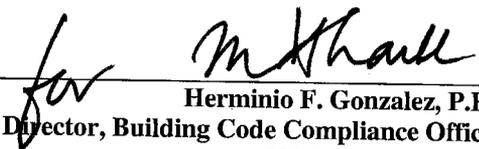
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturers die drawings and sections.
2. Drawing No. **W04-100**, titled "Series SMI-175 Alum. Window Wall-(S.M.I.)", sheets 1 through 7 of 7, prepared by AL- Farooq Corporation, dated 11/26/04, signed and sealed by Humayoun Farooq, P.E.

**B. TESTS**

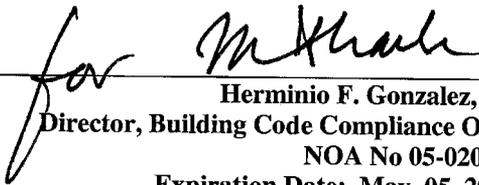
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Small Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Resistant Test, per FBC 2411.3.2.1 (b) and TAS 202-94  
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4267**, dated 08/13/04, signed and sealed by Edumundo Largaespada, P.E.
2. 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) Small 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 window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3465**, dated 07/17/02, signed and sealed by James Worth, P.E.
3. 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) Small 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 window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3833**, dated 08/05/03, signed and sealed by Joseph Chan, P.E.
4. Test reports on 1) Small Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of aluminum window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4257**, dated 07/18/04, signed and sealed by Edumundo Largaespada, P.E.

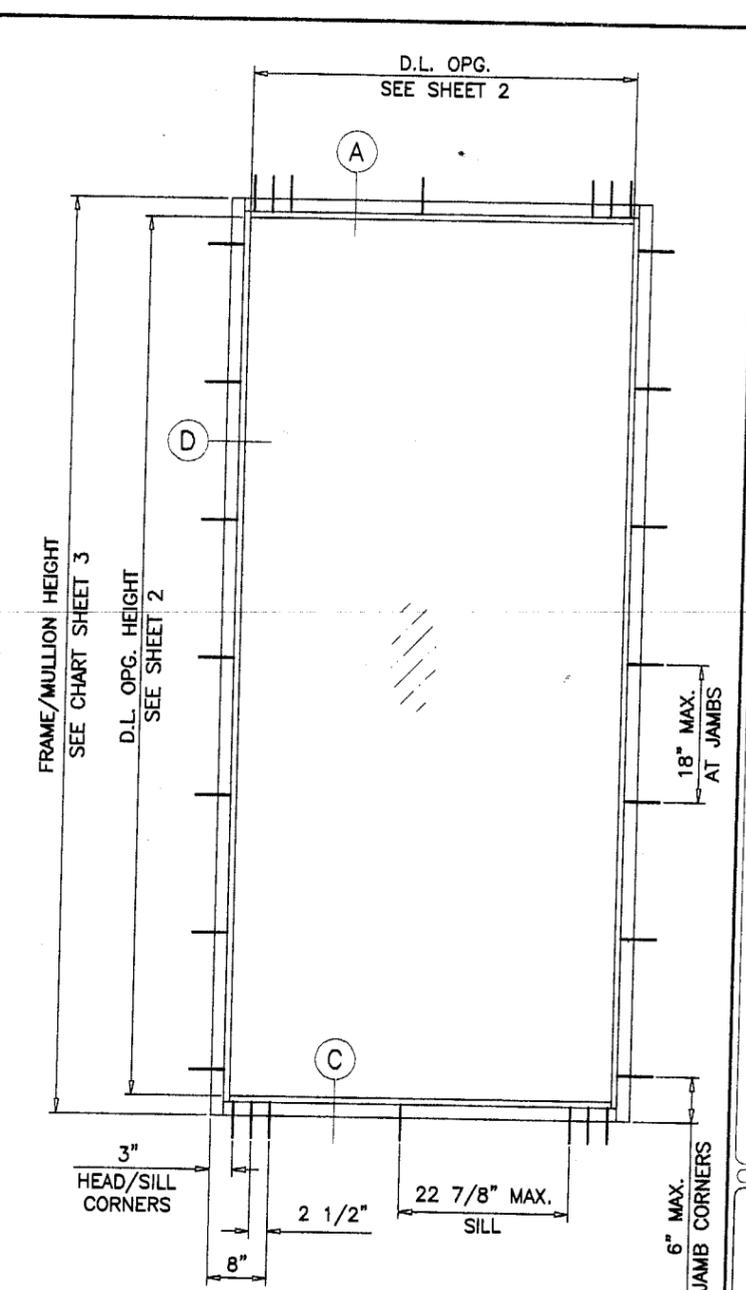
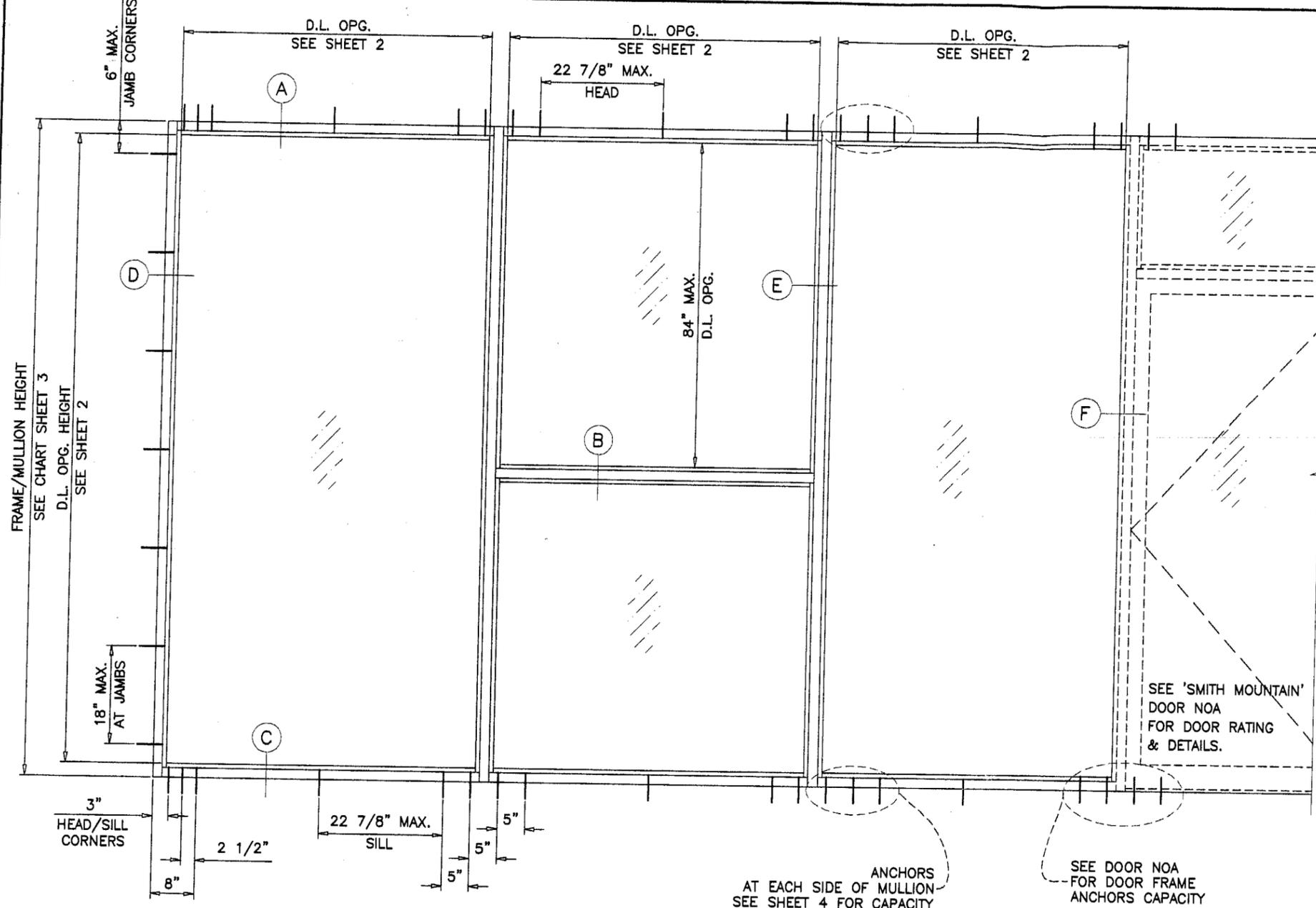
  
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Herminio F. Gonzalez, P.E.  
Director, Building Code Compliance Office  
NOA No 05-0209.01  
Expiration Date: May 05, 2010  
Approval Date: May 05, 2005

**Smith Mountain Impact Systems**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- C. CALCULATIONS**
1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 12/17/04, signed and sealed by Humayoun Farooq, P.E.
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. 03-1223.04 issued to "Surface Specialities, Inc." for "Uvekol" dated 02/05/04, expiring on 02/08/09.
  2. Notice of Acceptance No. 01-0205.02 issued to "Solutia, Inc." for "Saflex/Keepsafe Maximum" dated 05/17/01, expiring on 05/21/06.
- F. STATEMENTS**
1. Statement letter of conformance, dated December 17, 2004, signed and sealed by Humayoun Farooq, P.E.
  2. Statement letter of no financial interest, dated December 17, 2004, signed and sealed by Humayoun Farooq, P.E.
- G. OTHER**
1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).

  
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Herminio F. Gonzalez, P.E.  
Director, Building Code Compliance Office  
NOA No 05-0209.01  
Expiration Date: May 05, 2010  
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**TYPICAL ELEVATIONS**

**SERIES SMI-175 ALUM WINDOW WALL SYSTEM**

THIS PRODUCT RATED FOR SMALL MISSILE IMPACT.  
 MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS  
 REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.  
 SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.  
 CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE  
 REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY  
 HURRICANE ZONE.

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.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS  
 ARE NOT PART OF THIS APPROVAL.

A 33% INCREASE IN ALLOWABLE STRESS WAS USED IN DESIGN OF ANCHORS.

**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.

Approved as complying with the  
 Florida Building Code  
 Date 05/05/05  
 NOA# 05-0209.01  
 Miami Dade Product Control  
 Division  
 By: *[Signature]*

**LAMINATED GLASS  
 SMALL MISSILE IMPACT**

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

**JAN 28 2005**

**afc**

**AL-FAROOQ CORPORATION**  
 ENGINEERS, PLANNERS & PRODUCT DESIGN  
 1235 SW 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W04-100SM

**SERIES SMI-175 ALUM WINDOW WALL (S.M.I.)**  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11520 S.W. 120 ST.  
 MIAMI, FL. 33176  
 TEL (305) 278-2878 FAX. (305) 278-2879

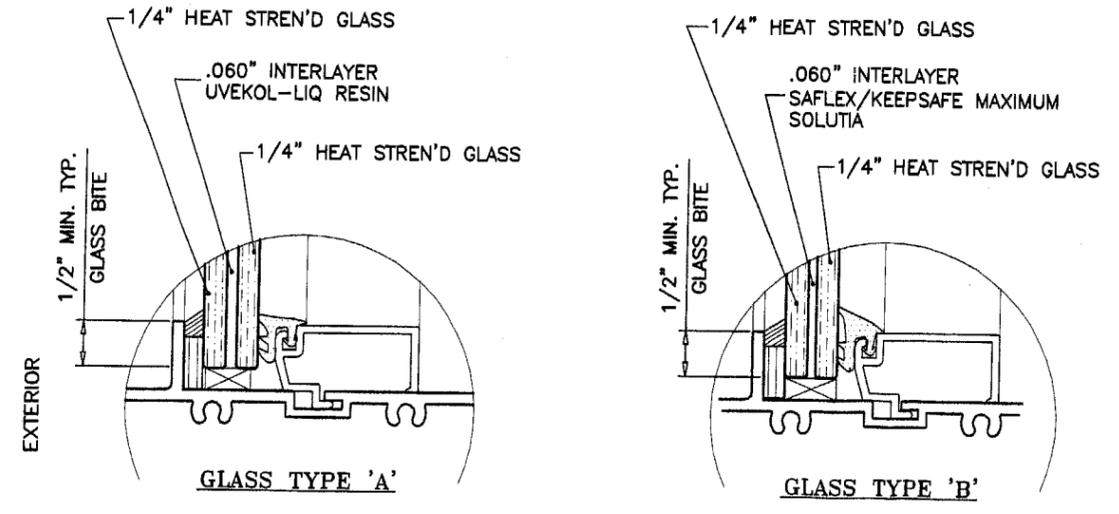
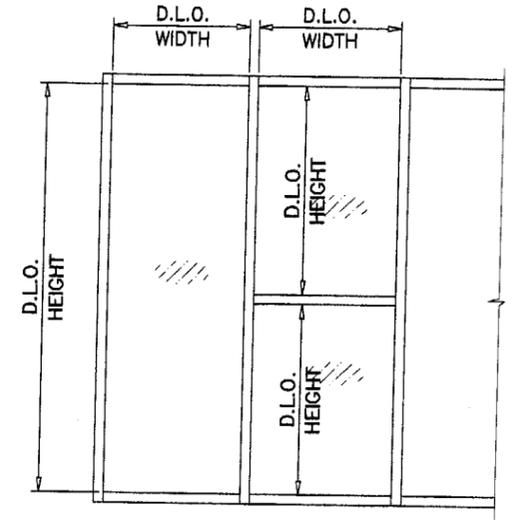
no	date	by	description

date: 11-26-04  
 scale: 1/2"=1'-0"  
 dr. by: HAMID  
 chk. by:  

drawing no.  
**W04-100**

sheet 1 of 7

GLASS LOAD CAPACITY - PSF				
NOMINAL DIMS.		TYPE 'A' & 'B'		
D.L.O. WIDTH	D.L.O. HEIGHT	EXT.(+)&INT.(-)		
26"	74"	120.0		
29"		120.0		
32"		120.0		
35"		120.0		
38"		120.0		
41"		120.0		
44"		120.0		
47"		120.0		
50"	120.0			
26"	80"	120.0		
29"		120.0		
32"		120.0		
35"		120.0		
38"		120.0		
41"		120.0		
44"		120.0		
47"		120.0		
26"	86"	120.0		
29"		120.0		
32"		120.0		
35"		120.0		
38"		120.0		
41"		120.0		
44"		120.0		
26"		92"	120.0	
29"	120.0			
32"	120.0			
35"	120.0			
38"	120.0			
41"	120.0			
26"	98"		120.0	
29"			120.0	
32"		120.0		
35"		120.0		
38"		120.0		
41"		120.0		
26"		104"	120.0	
29"			120.0	
32"	120.0			
35"	120.0			
26"	110"		120.0	
29"			120.0	
32"			120.0	
26"			116"	120.0
29"		120.0		
32"		120.0		
26"		120"		120.0
29"				120.0



GLAZING OPTIONS

Approved as complying with the Florida Building Code  
 Date 03/05/05  
 NOA# 05-0209.01  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

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

JAN 28 2005

*afc*

**AL-FAROOQ CORPORATION**  
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no	date	by	description

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date: 11-26-04	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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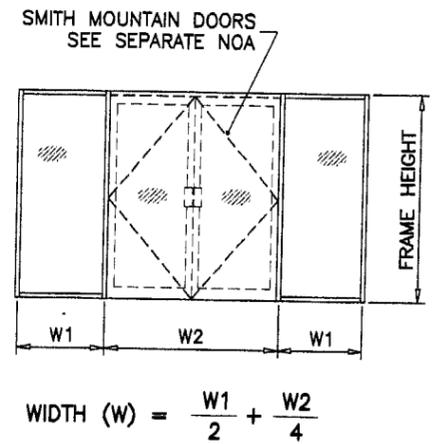
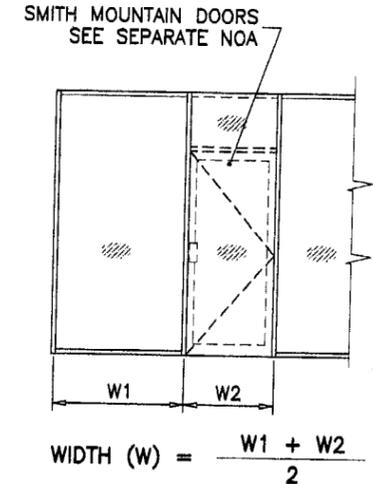
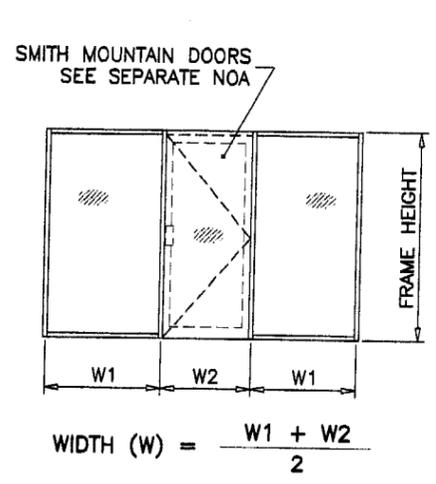
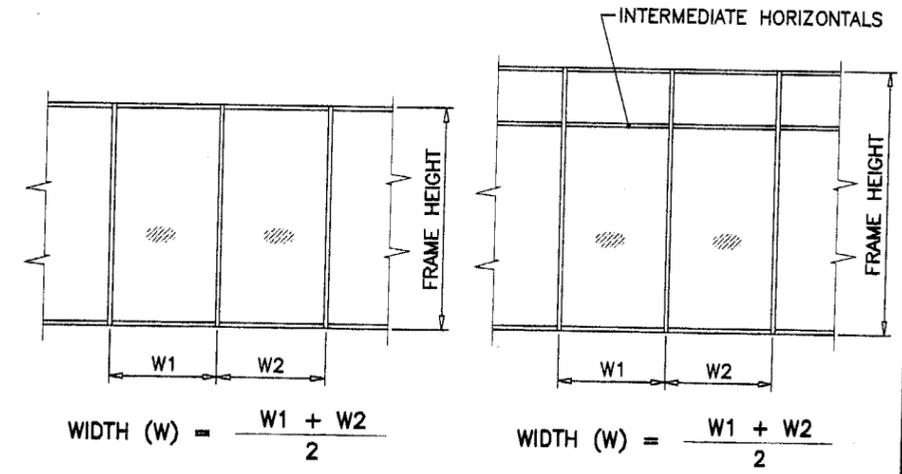
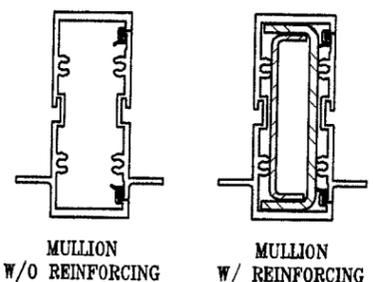
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drawing no. **W04-100**

sheet 2 of 7

DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		FRAME MULLION			
		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	72"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		100.0	100.0	100.0	120.0
60"		100.0	100.0	100.0	120.0
66"		93.4	93.4	100.0	100.0
24"	78"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		100.0	100.0	100.0	120.0
54"		97.2	97.2	100.0	120.0
60"		87.5	87.5	90.0	100.0
66"		79.6	79.6	90.0	100.0
24"	84"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		100.0	100.0	100.0	120.0
48"		94.3	94.3	100.0	120.0
54"		83.8	83.8	90.0	100.0
60"		75.5	75.5	90.0	100.0
66"		-	-	90.0	100.0
24"	90"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		100.0	100.0	100.0	120.0
42"		93.9	93.9	100.0	120.0
48"		82.2	82.2	100.0	120.0
54"		73.0	73.0	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	96"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		96.3	96.3	100.0	120.0
42"		82.5	82.5	100.0	120.0
48"		72.2	72.2	90.0	100.0
54"		64.2	64.2	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	102"	100.0	100.0	100.0	120.0
30"		100.0	100.0	100.0	120.0
36"		85.3	85.3	100.0	120.0
42"		73.1	73.1	100.0	120.0
48"		64.0	64.0	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	108"	100.0	100.0	100.0	120.0
30"		87.7	87.7	100.0	120.0
36"		73.1	73.1	100.0	120.0
42"		62.7	62.7	90.0	100.0
48"		54.8	54.8	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0

DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		FRAME MULLION			
		WITHOUT REINFORCING		WITH REINFORCING	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	114"	93.2	93.2	100.0	120.0
30"		74.6	74.6	100.0	120.0
36"		62.2	62.2	100.0	120.0
42"		53.3	53.3	90.0	100.0
48"		-	-	90.0	100.0
54"		-	-	90.0	100.0
60"		-	-	90.0	100.0
66"		-	-	90.0	100.0
24"	120"	79.9	79.9	100.0	120.0
30"		64.0	64.0	100.0	120.0
36"		53.3	53.3	100.0	120.0
42"		45.7	45.7	90.0	100.0
48"		-	-	90.0	100.0
54"		-	-	90.0	97.3
60"		-	-	87.6	87.6
66"		-	-	87.6	87.6
24"	126"	69.1	69.1	100.0	120.0
30"		55.2	55.2	100.0	120.0
36"		46.0	46.0	90.0	100.0
42"		-	-	90.0	100.0
48"		-	-	90.0	94.6
54"		-	-	84.1	84.1
60"		-	-	84.1	84.1
66"		-	-	84.1	84.1
24"	132"	60.1	60.1	100.0	120.0
30"		48.1	48.1	100.0	120.0
36"		40.0	40.0	90.0	100.0
42"		-	-	90.0	94.0
48"		-	-	82.3	82.3
54"		-	-	73.1	73.1
60"		-	-	73.1	73.1
66"		-	-	73.1	73.1
24"	138"	52.6	52.6	100.0	120.0
30"		42.1	42.1	100.0	115.2
36"		35.0	35.0	90.0	96.0
42"		-	-	82.3	82.3
48"		-	-	72.0	72.0
54"		-	-	72.0	72.0
60"		-	-	72.0	72.0
66"		-	-	72.0	72.0
24"	144"	46.3	46.3	100.0	120.0
30"		37.0	37.0	100.0	101.4
36"		30.8	30.8	84.5	84.5
42"		-	-	72.4	72.4
48"		-	-	63.4	63.4
54"		-	-	63.4	63.4
60"		-	-	63.4	63.4
66"		-	-	63.4	63.4



Approved as complying with the Florida Building Code  
 Date 05/05/05  
 NOA# 05-0209.01  
 Miami Code Product Control  
 Division  
 By *[Signature]*

Engr: DR. HUMAYOON FAROOQ  
 STRUCTURES  
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JAN 28 2005

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revisions:  
 no. date by description

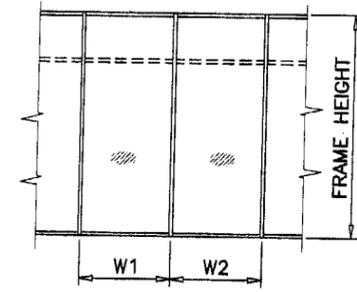
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 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no. **W04-100**  
 sheet 3 of 7

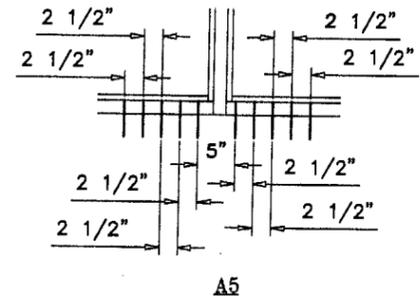
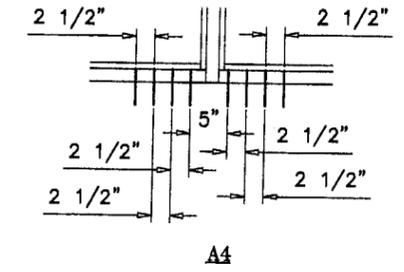
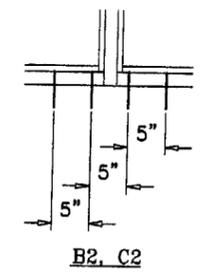
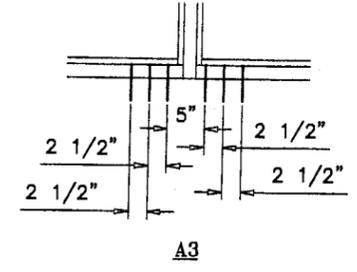
ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)						
NOMINAL DIMS.		ANCHORS TYPE 'A'			TYPE 'B'	TYPE 'C'
WIDTH (W)	FRAME HEIGHT	A3	A4	A5	B2	C2
24"	72"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0
48"		120.0	120.0	120.0	120.0	120.0
54"		107.3	120.0	120.0	120.0	120.0
60"		96.6	120.0	120.0	120.0	120.0
66"	87.8	112.9	120.0	120.0	120.0	
24"	78"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		120.0	120.0	120.0	120.0	120.0
48"		111.5	120.0	120.0	120.0	120.0
54"		99.1	120.0	120.0	120.0	120.0
60"		89.2	114.6	120.0	120.0	120.0
66"	81.1	104.2	120.0	120.0	120.0	
24"	84"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		118.3	120.0	120.0	120.0	120.0
48"		103.5	120.0	120.0	120.0	120.0
54"		92.0	118.3	120.0	120.0	120.0
60"		82.8	106.5	120.0	120.0	120.0
66"	75.3	96.8	118.3	120.0	120.0	
24"	90"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		110.4	120.0	120.0	120.0	120.0
48"		96.6	120.0	120.0	120.0	120.0
54"		85.9	110.4	120.0	120.0	120.0
60"		77.3	99.4	120.0	120.0	120.0
66"	70.3	90.3	110.4	120.0	120.0	
24"	96"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		120.0	120.0	120.0	120.0	120.0
42"		103.5	120.0	120.0	120.0	120.0
48"		90.6	116.4	120.0	120.0	120.0
54"		80.5	103.5	120.0	120.0	120.0
60"		72.5	93.1	113.8	120.0	120.0
66"	65.9	84.7	103.5	120.0	119.8	
24"	102"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		113.6	120.0	120.0	120.0	120.0
42"		97.4	120.0	120.0	120.0	120.0
48"		85.2	109.6	120.0	120.0	120.0
54"		75.8	97.4	119.1	120.0	120.0
60"		68.2	87.7	107.2	120.0	120.0
66"	62.0	79.7	97.4	113.4	112.7	
24"	108"	120.0	120.0	120.0	120.0	120.0
30"		120.0	120.0	120.0	120.0	120.0
36"		107.3	120.0	120.0	120.0	120.0
42"		92.0	118.3	120.0	120.0	120.0
48"		80.5	103.5	120.0	120.0	120.0
54"		71.6	92.0	112.4	120.0	120.0
60"		64.4	82.8	101.2	117.8	117.1
66"	58.5	75.3	92.0	107.1	106.5	

ANCHOR LOAD CAPACITY - PSF EXT.(+) & INT.(-)							
NOMINAL DIMS.		ANCHORS TYPE 'A'			TYPE 'B'	TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A3	A4	A5	B2	C2	
24"	114"	120.0	120.0	120.0	120.0	120.0	
30"		120.0	120.0	120.0	120.0	120.0	
36"		101.7	120.0	120.0	120.0	120.0	
42"		87.2	112.1	120.0	120.0	120.0	
48"		78.3	98.1	119.8	120.0	120.0	
54"		67.8	87.2	106.5	120.0	120.0	
60"		61.0	78.4	95.9	111.6	110.9	
24"	120"	120.0	120.0	120.0	120.0	120.0	
30"		115.9	120.0	120.0	120.0	120.0	
36"		96.6	120.0	120.0	120.0	120.0	
42"		82.8	108.5	120.0	120.0	120.0	
48"		72.5	93.1	113.8	120.0	120.0	
54"		64.4	82.8	101.2	117.8	117.1	
60"		58.0	74.5	91.1	106.0	105.4	
24"	126"	120.0	120.0	120.0	120.0	120.0	
30"		110.4	120.0	120.0	120.0	120.0	
36"		92.0	118.3	120.0	120.0	120.0	
42"		78.9	101.4	120.0	120.0	120.0	
48"		69.0	88.7	108.4	120.0	120.0	
54"		61.3	78.9	96.4	112.2	111.5	
24"		132"	120.0	120.0	120.0	120.0	120.0
30"	105.4		120.0	120.0	120.0	120.0	
36"	87.8		112.9	120.0	120.0	120.0	
42"	75.3		96.8	118.3	120.0	120.0	
48"	65.9		84.7	103.5	120.0	119.8	
54"	58.5		75.3	92.0	107.1	106.5	
24"	138"		120.0	120.0	120.0	120.0	120.0
30"		100.8	120.0	120.0	120.0	120.0	
36"		84.0	108.0	120.0	120.0	120.0	
42"		72.0	92.6	113.1	120.0	120.0	
48"		63.0	81.0	99.0	115.2	114.6	
24"		144"	120.0	120.0	120.0	120.0	120.0
30"			96.6	120.0	120.0	120.0	120.0
36"	80.5		103.5	120.0	120.0	120.0	
42"	69.0		88.7	108.4	120.0	120.0	
48"	60.4		77.6	94.9	110.4	109.8	

**ANCHORS TYPES:** SEE SHEET 5 FOR DESCRIPTION  
 B2 = (2) ANCHORS TYPE 'B' AT EACH SIDE OF MULLION  
 C2 = (2) ANCHORS TYPE 'C' AT EACH SIDE OF MULLION  
 A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION  
 A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION  
 A5 = (5) ANCHORS TYPE 'A' AT EACH SIDE OF MULLION  
 ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION.



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



Approved as complying with the  
 Florida Building Code  
 Date: 03/03/05  
 NOA: 05-0209.01  
 Miami Dade Product Control  
 Division  
 By: *[Signature]*

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

JAN 28 2005

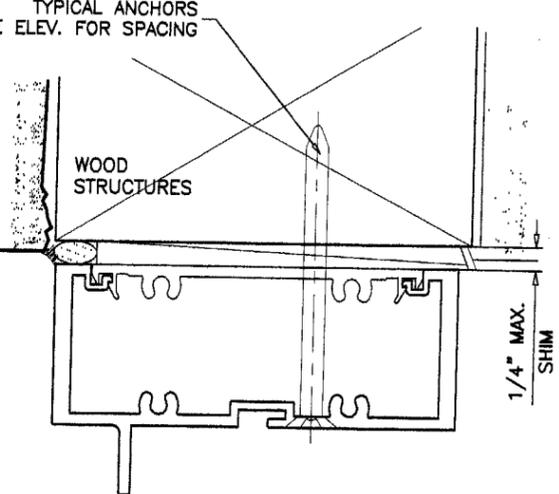
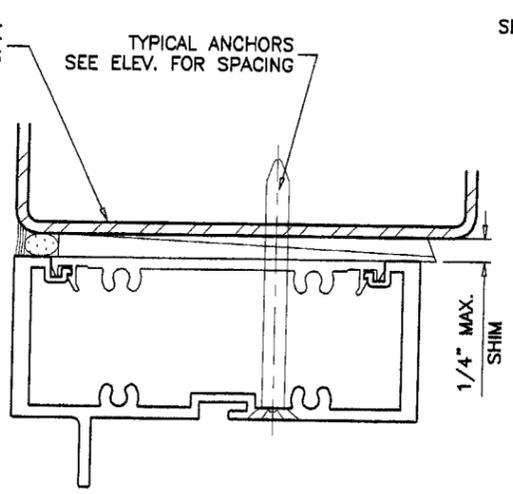
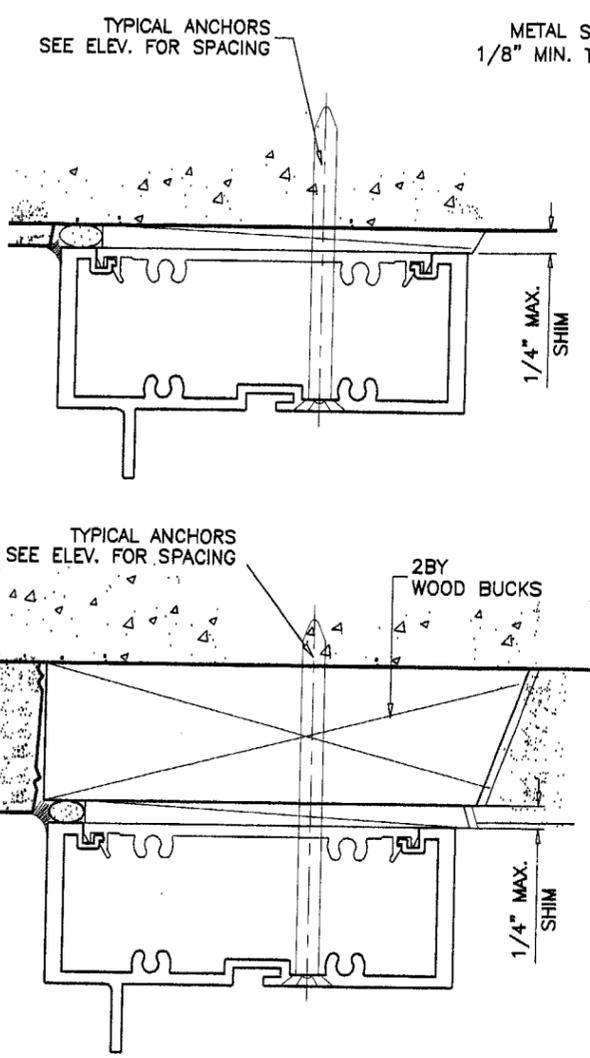
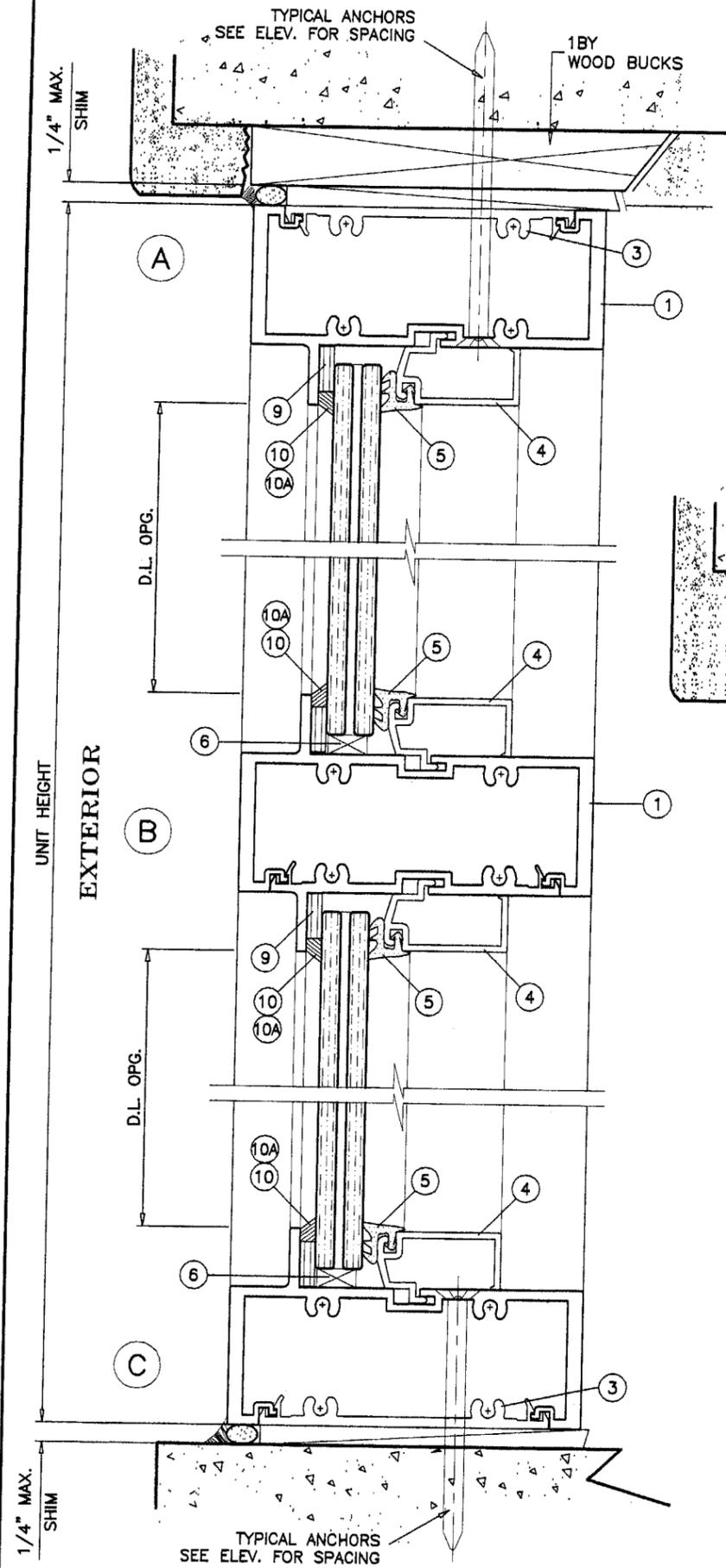
**AL-FAROOQ CORPORATION**  
 ENGINEERS, PLANNERS & PRODUCT DESIGN  
 1235 SW 87 AVE  
 MIAMI, FLORIDA 33174  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W04-100SM

SERIES SMI-175 ALUM WINDOW WALL (S.M.I.)  
**SMITH MOUNTAIN IMPACT SYSTEMS**  
 11520 S.W. 120 ST.  
 MIAMI, FL. 33176  
 TEL. (305) 278-2878 FAX. (305) 278-2879

revisions:	no	date	by	description

date: 11-26-04  
 scale: 1/2" = 1"  
 dr. by: HAMID  
 chk. by:

drawing no.  
**W04-100**  
 sheet 4 of 7



WOOD BUCKS NOT BY SMITH MOUNTAIN, MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

- TYPE 'A' - 1/4" TAPCONS  
 INTO WOOD STRUCTURES  
 1-1/2" 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  
 DIRECTLY INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- TYPE 'C' - #14 SMS OR 1/4" SELF DRILLING SCREWS  
 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.

Approved as complying with the  
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 Date 05/05/05  
 NOA# 05-0209.01  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

Engr: DR. HUMAYOUN FAROOQ  
 STRUCTURES  
 FLA. PE # 18557  
 C.A.N. 3538  
  
*[Signature]*  
 JAN 28 2005

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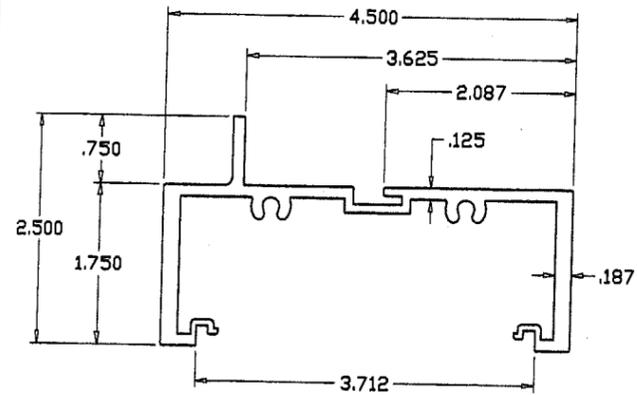
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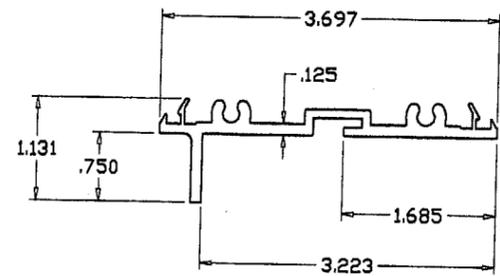
date: 11-26-04  
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 dr. by: HAMID  
 chk. by:

drawing no.  
**W04-100**  
 sheet 5 of 7

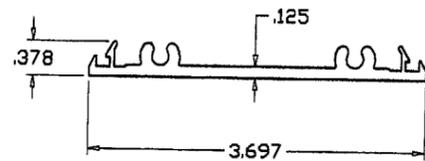




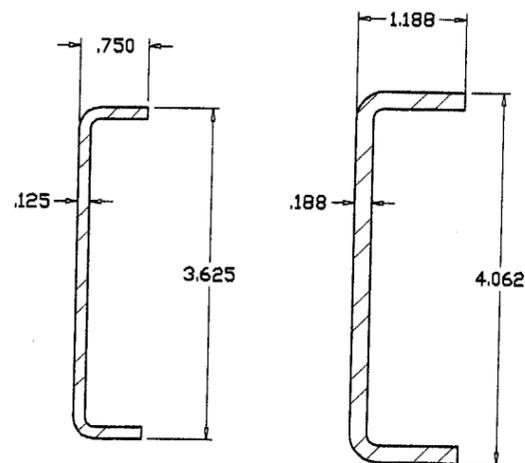
① FRAME HEAD/SILL/JAMB



② INTERMEDIATE SNAP-IN

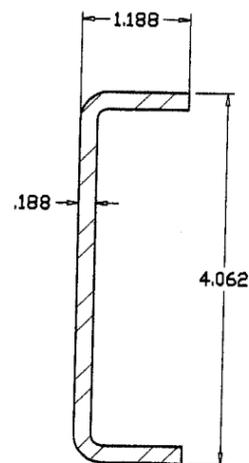


③ POCKET FILLER

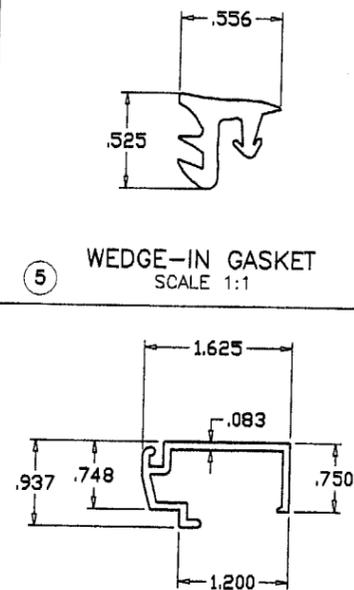


⑫

POCKET FILLER



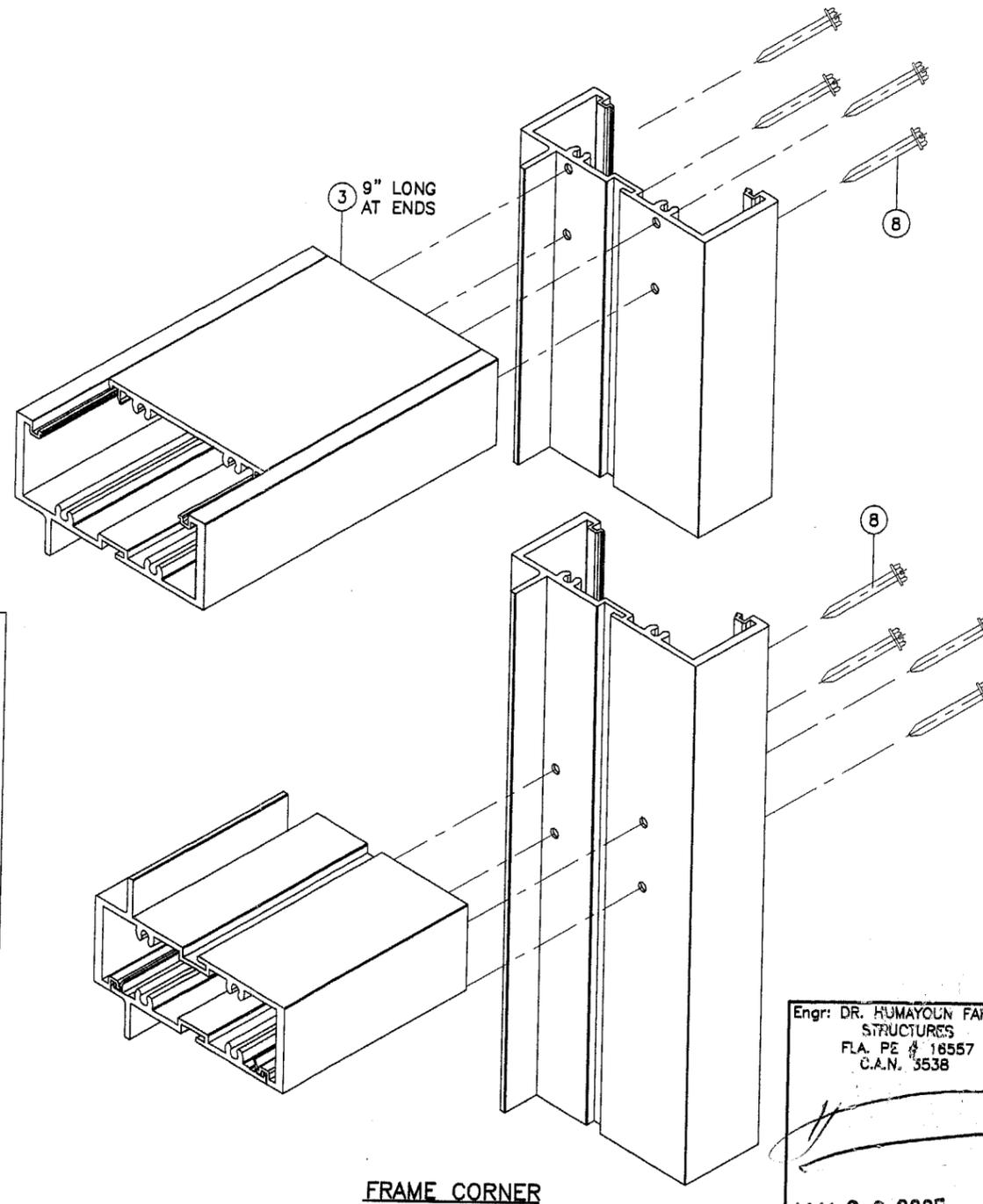
⑪



⑤ WEDGE-IN GASKET  
SCALE 1:1

④ GLAZING STOP

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SMI-001	AS REQD.	FRAME HEAD/SILL/JAMB	6063-T5	SMITH MOUNTAIN
2	SMI-003	AS REQD.	INTERMEDIATE SNAP-IN	6063-T5	SMITH MOUNTAIN
3	SMI-004	AS REQD.	FLAT FILLER	6063-T6	SMITH MOUNTAIN
4	SMI-002	1/ CORNER	GLASS STOP	6063-T5	SMITH MOUNTAIN
5	H-63	AS REQD.	GLAZING GASKET	EPDM 70 ±5	UNIVERSAL RUBBER CO.
6	G-40A	AS REQD.	SETTING BLOCK (1/4" X 1/2" X 2" LONG)	EPDM 70 ±5	UNIVERSAL RUBBER CO.
7	1/4-20 X 2-1/4"	AS REQD.	MULLION SCREWS WITH NUT & WASHER	-	AT 4" FROM ENDS & 12" O.C.
8	#12 X 1-1/2"	2 PER CORNER	FRAME ASSEMBLY SCREWS	-	HEX H SELF DRILLING
9	V2100	-	ADHESIVE FOAM TAPE (1/4" X 1/2")	-	NORTON
10	995	-	GLAZING COMPOUND	-	DOW CORNING
10A	895	-	GLAZING COMPOUND	-	PECORA
11	-	-	REINFORCING CHANNEL	STEEL	1-3/16" X 4-1/16" X 1-3/16" X 3/16" THK.
12	-	-	REINFORCING CHANNEL	STEEL	3/4" X 3-5/8" X 3/4" X 1/8"



FRAME CORNER

Approved as complying with the  
Florida Building Code  
Date 05/05/05  
NOA: 05-0709.01  
Miami Code Product Control  
Division  
By: *[Signature]*

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

JAN 28 2005

*afc*  
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sheet 7 of 7